# Governing lowa's public universities and special schools

University of Iowa Iowa State University University of Northern Iowa Iowa School for the Deaf Iowa Braille and Sight Saving School Lakeside Lab Regents Resource Center Quad-Cities Graduate Center Southwest Iowa Regents Resource Center Tri-State Graduate Center



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Andrew J. Baumert, Interim Executive Director

December 18, 2007

Michael E. Marshall Secretary of the Senate State Capitol Building Des Moines IA 50319 Mark Brandsgard Chief Clerk of the House State Capitol Building Des Moines IA 50319 Dennis C. Prouty, Director Legislative Services Agency State Capitol Building Des Moines IA 50319

Re: Economic Development and Technology Transfer Report

Dear Members of the Iowa General Assembly:

Pursuant to <u>lowa Code</u>, 2005 <u>lowa Acts</u>, and 2007 <u>lowa Acts</u>, the enclosed annual report includes information from the University of Iowa, Iowa State University, the University of Northern Iowa, and their respective research foundations as follows:

Iowa Code §262B.3Patents and Licenses2005 Iowa Acts, Chapter 170Iowa Values Fund2007 Iowa Acts, Chapter 212Progress of Regents Institutions on Tech Transfer

If there are any questions concerning this report, please do not hesitate to contact us.

Sincerely,

Andrew J. Baumert

H:\BF\Legislative\2008 Session\Responses\GA\_econdevreport121407.doc Enclosures cc: Legislative Liaisons Legislative Log

**Contact: Andy Baumert** 

# 2007 ECONOMIC DEVELOPMENT AND TECHNOLOGY TRANSFER REPORT

**Actions Requested:** Consider recommending the following to the Board:

- 1) Receive the report.
- 2) Direct that this report and copies of complete institutional reports be forwarded to the Secretary of Senate, the Chief Clerk of the House of Representatives, the Legislative Services Agency, and the Office of the Governor and the Director of the Iowa Department of Economic Development pursuant to Iowa Code Chapters 262B.3, HF 809 (2005 Session) and HF 2459 (2006 Session).

# **Executive Summary:**

The Regents universities promote the economy of lowa primarily by providing higher education to the people of the state. They also strengthen the lowa economy by conducting academic research-most notably when it results in intellectual property and applications in the marketplace-and by providing expertise and assistance directly to lowa's people, industry and communities. The Regent universities thus support the economy of lowa primarily through their core missions, and their economic contributions to the state are fundamentally linked to their overall academic excellence.

This core mission was supported by \$683 million in funding sponsored by federal and corporate sources in FY 2007. This funding provided the basis on which the Regent universities conducted a wide variety of economic development programs that produced the following results in the past year:

- -227 new intellectual property disclosures
- -175 patent applications
- -152 new patents
- -149 new license and option agreements on intellectual property
- -430 total license and option agreements yielding income
- -\$25.56 million in royalty and fee income
- -\$89.06 million in revenue generated by Iowa companies as a direct result of university technologies
- -2,455 lowans employed at 126 companies at the SUI, ISU and UNI research parks and incubators
- -9,584 businesses and individuals located in all 99 lowa counties received technical services and training through the economic development and technology transfer programs at the three universities

#### **Engagement**

Many organizational units at the Regents universities are engaged with lowa's people, industry and communities for the promotion of the state's economic development. Key economic development efforts include: research, intellectual property development and technology transfer, business incubation and acceleration, direct technical assistance to local and regional economic development groups, technical assistance and counseling to businesses, market research for lowa companies and attracting and retaining businesses in the state. These activities are also highly coordinated with the economic development efforts of the Governor, the lowa General Assembly and state agencies including the lowa Department of Economic Development.

The full annual reports from the universities are included in the Regents Exhibit Book and will be provided to the General Assembly, the Governor's Office, the Legislative Services Agency and the Iowa Department of Economic Development.

# State Funding for Economic Development and Technology Transfer

State funding in FY2007 was provided in three primary economic development program areas:

# 1. Ongoing Economic Development and Technology Transfer Programs: \$3.108 million

In FY 2007, the state provided \$3.108 million for several ongoing programs which include the research parks at SUI and ISU, the Institute for Physical Research and Technology, the Small Business Development Centers, the Institute for Decision Making, the Metal Casting Center and the Center for Advanced Drug Development. Since FY 2001, state appropriations for these programs have declined from \$7.63 million to \$3.108 million. These programs were responsible for providing technical services and training to more than 9,500 individual businesses and communities in every county in Iowa in 2007.

# 2. Grow Iowa Values Fund (GIVF): \$5,000,000

In FY 2005, the General Assembly authorized an annual appropriation of \$5 million under the GIVF to the Regents universities for purposes of supporting the human and physical infrastructure needed to effectively develop and transfer technology discoveries. In August 2007, the Board of Regents approved the FY 2008 proposals by the universities to use the GIVF appropriation to strengthen the technology transfer capabilities at each campus and to fund development projects involving several existing companies and start ups. The universities and companies involved in the projects provided more than \$5 million in matching funds for the projects. Examples of projects included:

- -A project partnering three ISU researchers and the BioProtection System Corporation to develop novel vaccines against pneumonic plague. Using recombinant proteins and nanotechnology, the group proposes to develop vaccines that can be used at lower doses and perhaps protect military forces and citizens from airborne pathogens with only a single dose.
- -As many as eight new regions will be rolled out for participation in UNI's successful MyEntrenet program which already has more than 1,400 registered entrepreneurs across lowa.
- -New entrepreneurial faculty will be recruited by the University of Iowa who will be relocating or creating new companies in Iowa in the key biosciences area.
- -New incubator space and upgrades of facilities will be developed at the SUI College of Pharmacy Center for Advanced Drug Development.
- -UNI will open its new incubator for technology transfer and a new incubator for student businesses.
- -A project partnering five ISU researchers and the POET Corporation to optimize the technique of converting corn to ethanol without gelatinizing the starch. The process is expected to dramatically improve the yield of ethanol from corn and produce a high value co-product protein suitable for making biodegradable plastics.

# Private College Grant Program

Of the \$5 million in GIVF funding, \$200,000 was awarded by the Board of Regents to three independent universities and colleges for economic development and technology transfer projects.

Des Moines University received \$78,000 to conduct research designed to provide new methods for identifying mutations in the genetic material of pregnant women that increase their risk of delivering infants prematurely and to seek a commercial opportunity to disseminating the work.

Drake University received \$67,000 to enhance technology and product commercialization through DU's College of Pharmacy and Health Science's DELTA Rx Institute and the Drake Undergraduate Collaboration Institute.

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Luther College received \$55,000 for a project to develop novel polymerization catalysts that will strengthen the viability of biodegradable polymers from lowa crops.

# 3. Battelle Economic Development Appropriations: \$20,000,000

The Iowa General Assembly authorized \$20 million in FY 2007 funding to the Regents universities for economic development activities in three key platform areas of biosciences, advanced manufacturing and information technology. Of the total, \$5 million was designated to be used for endowed chairs and faculty salaries, \$6.8 million for related physical infrastructure and \$8.2 million for general support of projects in the key platform areas. The Board of Regents approved the universities' proposals in September of 2007. The universities provide regular progress reports on the Battelle-funded projects at Regents board meetings. No new Battelle funding has been provided by the Iowa legislature.

Nearly all of the projects include matching funding, either from businesses, the universities or federal agencies, even though matching funding for platform projects is not required by the legislation. The platform funding provided funding for 23 projects with research participation or investment by more than 40 companies and entrepreneurs to create new products and technology services. The aggregate amount of industry/university/federal matching funding for all three universities was \$49.5 million, resulting in a better than 5 to 1 matching ratio with the \$8.2 million in Battelle platform funding provided. The \$6.8 million of infrastructure proposals are highly integrated to supply key infrastructure support for the research and commercialization efforts proposed in the platform projects. The \$5 million in endowment and faculty salary funding will attract or retain several top quality faculty members whose research in the targeted platform areas has the highest potential for commercialization.

Table 1: Intellectual Property, Technology Transfer, and External Support FY2005-2007												
	FY 2005				FY 2006				F	Y 2007	1	
Indicators	ISU	SUI	UNI	Regents Totals	ISU	SUI	UNI	Regents Totals	ISU	SUI	UNI	Regents Totals
Number of disclosures of intellectual property	142	83	4	229	120	89	11	220	114	87	26	227
2. Number of patent applications filed	54	115	3	172	52	178	5	235	41	130	4	175
3. Number of patents awarded	15	34	2	51	19	56	5	80	26	119	7	152
Number of license and option agreements executed on institutional intellectual property in total	218	35	1	254	14	43	2	59	113	34	2	149
5. Number of license and option agreements executed on institutional intellectual property in lowa									62	3	2	67
6. Number of license and option agreements yielding income	317	176	9	502	299	92	11	402	268	151	11	430
7. Revenue to Iowa companies as a result of licensed technology <sup>1</sup>	22.00	1.08	4.16	27.24	38	0.89	5.9	44.79	\$83 M	\$1.5 M	\$4.56 M	\$89.06 M
8. Number of startup companies formed, in total (through licensing activities)									2	1		3
9. Number of startup companies formed, in lowa (through licensing activities)									2	1		3
10. Number of start up companies formed through UNI MyEntrenet/Incubator											51	51
11. Number of companies in research parks and incubators									61	50	15	126

# **BOARD OF REGENTS** STATE OF IOWA

	FY 2005			FY 2006				FY 2007				
Indicators	ISU	SUI	UNI	Regents Totals	ISU	SUI	UNI	Regents Totals	ISU	SUI	UNI	Regents Totals
12. Number of <b>new</b> companies in research parks and incubators									16	3	10	29
13. Number of employees in companies in research parks and incubators									636	1,780	39	2455
14. Royalties and license fee income	4.90	18.05	0.06	23.01	8	16.3	0.32	24.33	\$8.1 M	\$17.4 M	\$62,937	\$25.56 M
15. Total sponsored funding (\$ million)	286.90	359.60	33.07	679.57	279.7	366.4	19.96	666.06	\$272 M	\$382.2 M	\$29.2	\$683.4
16. Corporate-sponsored funding for research and economic development <sup>2</sup> in total (\$ million)	28.50	31.23	1.92	61.65	28.6	31.9	1.76	62.26	\$14.2 M	\$41.8 M	\$1.7 M	\$56.7 M
17. Corporate-sponsored funding for research and economic development <sup>2</sup> in lowa (\$ million)									\$8.1 M	\$1.6 M	\$1.7 M	\$11.4 M

<sup>&</sup>lt;sup>1</sup>Aggregate sales reported by lowa companies of products and services based on licensed inventions. <sup>2</sup>Excludes corporate philanthropy

# **FY 2007 Economic Development Appropriations**

	Ongoing Programs	Grow Iowa Values Fund	GIVF Matching
SUI: -Oakdale Research Park -Center for Advanced Drug Development	\$247,005	\$1.925 M	\$1.925 M
ISU: -Institute for Physical Research and Technology -Small Business Development Centers -Research Park	\$2.5 M	\$1.925 M	\$1.925 M
UNI: -Metal Casting Center -Institute for Decision Making	\$361,291	\$950,000	\$950,000
Totals	\$3.108 M	\$4.800 M	\$4.800 M

# IOWA STATE UNIVERSITY OF SCIENCE & TECHNOLOGY

# **FY2007 Board of Regents Annual Economic Development and Technology Transfer Report**

PRESENTED BY JOHN BRIGHTON, VICE PRESIDENT FOR RESEARCH & ECONOMIC DEVELOPMENT

October 4, 2007

# FY 2007 Board of Regents Annual Economic Development and Technology Transfer Report

- 1. Please briefly describe the relationship of your institution's economic development activities to the enhancement of economic growth in the state. The description should cover, but not necessarily be limited to the following:
  - a. The relationship between institutional activities and creation of jobs and wealth in lowa
  - b. Institutional activities and services which indirectly promote economic development, such as training provided to staff of local economic development agencies

# 1.A Enhancement of Economic Growth through Job Creation and Retention, Investments, Sales, and Cost Savings

Iowa State University engages in several activities that have direct impact on both the creation as well as the retention of jobs in Iowa. The ISU Research Park is a technology community that encourages commercialization of university research. Likewise, the Innovations Development Facility, part of the Plant Sciences Institute, incubates new companies. In addition, the IPRT (Institute for Physical Research and Technology) Company Assistance Program, ISU Extension's Center for Industrial Research and Service (CIRAS), the Small Business Development Center (SBDC) and the ISU Pappajohn Center for Entrepreneurship interact with companies across Iowa to solve production and management problems. These interactions lead to the resolution of problems related to product development and business management. As a consequence of the improved production resulting from these interactions, businesses have been able to retain and often expand their work force rather than lay off workers due to the expected down turn in business if no solution to the problems had been found. Some examples of the impact that ISU units have had this past year are as follows:

➤ The ISU Research Park has been very successful in initiating as well as nurturing numerous new businesses. Sixteen new companies and affiliates have joined the Park in FY07, bringing the historical total to 167 companies. Currently, there are 52 companies located in the park, employing over 635 people.

A study by an ISU economist for the ISU Research Park suggests there is a substantial and diverse set of economic activity located at the ISU Research Park whose effects link strongly with the Iowa economy. The study, conducted in 2002/2003 which focused on current tenants at the Park, indicated that tenants contributed both directly and indirectly to \$134.2 million in total industrial output of firms in the state. Wages paid by Research Park companies exceeded \$36.7 million annually, with an additional \$16.9 million in wages generated by businesses providing goods and services to Research Park companies and its employees. At the time of the study, the Research Park tenant companies employed over 900 people. Another 639 jobs were generated by businesses providing goods and services to the companies and its employees. The average wage per worker at the Research Park, including students, exceeded \$40,000. The economic activity generated by Research Park tenants generated an estimated \$3.7 million in state tax income and another \$1.4 million in state charges and miscellaneous revenues annually.

- ➤ Two new faculty start-up companies have located in the Innovations Development Facility, which is a recently established on-campus business incubator in the Roy J. Carver Co-Laboratory, under direction of the Plant Sciences Institute. A total of eleven companies have signed lease agreements for business incubator space since the facility opened in September 2003.
- ➤ A five-year summary of project evaluation data was analyzed in April 2007 and clearly shows that lowa companies with technical problems and research and development needs continue to find important technical help through the services of IPRT Company Assistance. Companies report positive impacts affecting their companies' sales, investments, and operating costs. The estimated annual average impact over the period is \$17.3M per year, and it is estimated that 34 jobs on average are created or retained each year. The average satisfaction rating given by clients during this four year period is 4.4 (1-5 scale), and the average survey return rate is 55%.
- Extension's CIRAS (Center for Industrial Research and Service) staff provided educational information to 11,000 individuals in FY07. In-depth assistance was provided to 577 distinct Iowa companies by CIRAS and CIRAS partners. These companies reported \$122 million in new investments, \$7 million in costs saved or avoided, and \$62 million in sales gained or retained. Company executives stated that 1,658 jobs were added or retained as a result of the technical assistance and education they received.
- Extension's CIRAS is partnering with the USDA Office of Energy Policy and New Uses to stimulate economic growth in the biobased products industry. Staff work with manufacturers, industry associations and federal agencies to identify, designate and promote biobased product categories that will be afforded "preferred procurement" status within federal purchasing sectors. Nearly 1,900 U.S. manufacturers have been identified that produce over 10,000 biobased products. Iowa has over 100 companies that produce over 300 different biobased products.
- In a report published by James J. Chrisman, Ph.D. in Management and Information Systems at Mississippi State University, data was collected from survey respondents for *Economic Impact of Small Business Development Centers (SBDC's)*. In that report, based on several years of data, it was shown that for every \$1.00 in SBDC funding in FY04, the amount of tax dollars returned to the State of Iowa and the federal government by SBDC clients was \$4.41. There were also 351 jobs retained, 1,001 jobs created, \$6.4 million in sales retained and \$125.3 million in sales increased.
- New technologies originating at ISU and licensed to Iowa companies have resulted in \$83 million in sales by those companies in calendar year 2006. Total sales of ISURF-licensed technologies were \$471 million, not including germplasm.
- ➤ The Office of Intellectual Property and Technology Transfer began supporting SBIR (Small Business Innovation Research) and STTR (Small Business Technology Transfer) outreach efforts in FY06. Since then, SBIR and STTR

funding in Iowa has rebounded following a decrease in FY05 after federal support for an earlier assistance program at ISU ended. An emphasis placed on outreach and training activities, including a monthly newsletter, proposal writing workshops and providing proposal preparation support has led to an increasing number of companies receiving funding. Nineteen lowa companies were assisted in the preparation of 23 SBIR or STTR proposals during FY07 including eight Iowa State faculty or staff related start-up companies. In FY07 fifteen Iowa companies won 21 new SBIR and STTR awards worth nearly \$4.8 million. The Departments of Agriculture and Defense, as well as the National Institutes of Health and the National Science Foundation, are funding this year's lowa SBIR/STTR award winners. The funded projects reflect lowa's strengths in biotechnology, information systems, materials development and agriculture. Over \$3 million in support was awarded from NIH for diverse projects that range from the development of an advanced medication dispenser to software to facilitate genomic analyses to creation of novel nanotechnology tools for life science research.

Over 650 public works professionals attended Engineering Continuing Education events in FY07. Geotechnical engineers, geologists, safety personnel, maintenance managers, plant engineers, utilities supervisors, urban planners, and storm-water managers attended conferences and meetings across Iowa. The conferences provided CEUs from Iowa State University on critical infrastructure topics including Electric Utility Operation and Management, Transportation Planning, and Environmental & Water Resources. Attendees were also able to obtain professional development hours toward retention of their Iowa Engineering Licenses.

# 1.B Training Opportunities for Staff of Local Economic Development Agencies

- Many units on campus provide training opportunities for staff of economic development groups across the State. Some of these are done through visits to campus and some are done by ISU units going out to the agency or respective community. For example, the Office of the Vice President for Research and Economic Development has sponsored an Economic Development Open House for the past five years, in which many economic development groups across the State have participated in a conference, including tours of campus facilities.
- Extension's CIRAS and the Department of Economics at Iowa State combined resources with the Economic Development Administration to conduct regional studies of economically distressed regions in Iowa. Economic developers from Adams, Cass, Fremont, Harrison, Mills, Montgomery, Page, Pottawattamie, Shelby, and Taylor counties participated in the most recent research. The study identified challenges for the region, such as out-migration and an older, less-educated workforce, as well as specialization in numerous areas, including agricultural production, construction, and transportation.
- 2. Please provide the following information for FY 2007: (If your institution utilizes additional metrics specific to your institution's specialized areas of research or service, please include them here)

Note: Unless noted, the data provided below is FY07 data. In some categories, the AUTM (Association of University Technology Managers) ranking is shown. AUTM is a national association that conducts annual surveys. Their most recent data published was based on FY05 numbers and included 158 U.S. university participants. See Attachment A for three years of data.

- Number of disclosures of intellectual property 114 (AUTM Ranking—tied at 21<sup>st</sup>
- b. Number of patent applications filed 41 (AUTM Ranking—47<sup>th</sup>)
- c. Number of patents awarded 26 (AUTM Ranking—53<sup>rd</sup>)
- Number of license and option agreements executed on institutional intellectual property, in total and in Iowa 113 total, 62 in Iowa (AUTM Ranking, in total—2<sup>nd</sup>)
- e. Number of license and option agreements yielding income 268
- f. Revenue to Iowa companies as a result of licensed technology \$83 million
- g. Number of startup companies formed, in total and in Iowa (through licensing activities) 2 total, 2 in Iowa (AUTM Ranking—tied at 22<sup>nd</sup>)
- h. Number of companies in research parks and incubators 47 private and 14 university-related
- Number of new companies in research parks and incubators 10 private and 6 university-related
- Number of employees in companies in research parks and incubators 390 private and 246 university-related
- k. Royalties and license fee income \$8.1 million (AUTM Ranking—46<sup>th</sup>)
- I. Total sponsored funding \$272 million of which \$167 million is for research
- m. Corporate sponsored funding for research and economic development, in total and in Iowa \$14.2 million total, \$8.1 million in Iowa
- n. Iowa special appropriations for economic development in the following categories:
  - i. Annual state appropriations for ongoing programs (such as research parks, SBDC, IPRT, IDM, Metal Casting Center) \$2.5 million includes \$650,000 SBDC, \$148,000 ISU Research Park & \$1.7 million IPRT
  - ii. Grow Iowa Values Fund appropriations \$1.925 million
  - iii. Battelle appropriations No new funding in FY07
- Research expenditures (including state appropriations and external funding) \$222 million—Note that this is a FY06 number, most recent number available
- Licenses and options executed per \$10 million research expenditures 9
   (AUTM Ranking—1<sup>st</sup>)—Note that this is a FY05 figure, most recent number available
- q. Sales of licensed products by lowa-based companies \$82.7 million--Note that this is a FY06 figure, most recent number available.
- Number of employees for current Research Park tenants and incubator, as well as former tenants that are still in existence in basic form world-wide 2,266
- s. Number of interactions ISU had in FY07 with communities and businesses across the State of Iowa (not including interactions with the Small Business Development Center) 4,484 (see last two paragraphs in section 3.C for more detail)—the number the previous year was about 3,200

- 3. Please describe the ways in which your institution is engaged in the following activities (For example, what is the nature of the outreach and service activities? Which units provide it? What kinds of people and organizations benefit?)
  - a. Direct and hands-on technical assistance to businesses and entrepreneurs
  - b. Direct economic development assistance to lowa communities
  - c. Economic development services provided by research parks, incubators or similar service units

# 3.A&B ISU System for Innovation

Iowa State University is charged with advancing economic development and technology transfer activities that promote growth and benefit all citizens. While creation of knowledge remains the basic responsibility of a research university, the way we share knowledge determines our success. ISU shares knowledge and expertise with students (learning and teaching), communities (engagement), and business and industry (technology transfer and economic development). ISU ranks as one of the most successful universities nationwide in several categories of technology transfer and economic development. The activities of the colleges, institutes and centers are coordinated through the Economic Development Council that advises the Vice President for Research and Economic Development. The Vice President and this Council continuously communicate with economic development entities within the State such as the Iowa Department of Economic Development, the Iowa Business Council, the Greater Des Moines Partnership and other local and regional agencies.

The Iowa State University "System for Innovation" was developed to focus on the transfer of university technologies into commercial applications in start-up or existing companies. Functions of the ISU System for Innovation include:

- Business Development & Assistance and Entrepreneurial Activities: Efforts related to start-up companies, including business assistance services & SBIR/STTR applications.
- Technical Assistance & Technology Development: Solving technical problems, assisting in product development and process improvement projects for existing businesses. This includes the current efforts of no-cost technical assistance and cost-sharing projects.
- **Industry Relations**: Facilitation of a multitude of interactions between ISU and its industry partners, including the management of research relationships and interactions with economic development groups, legislative groups, and other third parties.
- Community Development: To disseminate and develop programming, facilitating community organizations, fostering community planning, and coordinating with community and regional economic development networks and organizations.
- **Technology Transfer and Licensing:** The transfer of patented intellectual property to business and industry through license agreements.
- Physical Space: Physical space for business incubation is available in the ISU Research Park, Plant Sciences Institute, and Center for Crops Utilization Research.

 Research and Instrumentation Facilities: Iowa State University maintains more than 20 central research facilities that also serve communities and businesses on a fee-for-service basis.

# 3.C ISU's Key Units engaged in Economic Development

lowa State University, as part of the higher education system in the State, is charged with advancing technology transfer and economic development activities that promote growth and benefit all citizens. The University evolves these goals by contributing to workforce development, creating intellectual property, advancing ideas to the stage of market readiness, supporting creation of new companies, offering assistance to existing companies, and attracting new companies to the State. The University's economic development/technology transfer support system includes the following units that are coordinated through the Economic Development Council:

- Institute for Physical Research and Technology (IPRT): Through IPRT's Company Assistance Program, Iowa companies can leverage the expertise of the IPRT research centers and other ISU capabilities in order to solve technical problems, create new products and processes, and increase productivity and quality. IPRT Company Assistance provides help through both short-term, nocost technical assistance, and its R&D cost-sharing program. IPRT assists early-stage technology commercialization and actively collaborates with Iowa companies on technology transfer projects. Materials and process problems can be addressed, and IPRT experts can also assist Iowa companies with inspection and measurement challenges. IPRT plays an integral role in the process of technology transfer targeted at new business creation.
- Pappajohn Center for Entrepreneurship and the Small Business Development Center (SBDC): These units work with researchers to define the technologists' role in the company, evaluate markets, assist in the creation of a business plan and help the company develop connections with a network of business resources including consultants, accountants, attorneys, prospective employees and investors. In a typical year, the Pappajohn Center, working with IPRT, the Plant Sciences Institute, ISURF/OIPTT and other research centers, identifies approximately 25 prospective new technologies. These technologies can take six to 26 months to develop sufficiently to justify the formation of businesses. During this time the researcher receives assistance in moving the technology from the researcher's bench to the marketplace. The Pappajohn Center helps the researcher develop the model for the business and establish the network of resources necessary to implement the plan. These resources can include business assistance, students or capital. The Pappajohn Center/SBDC also continues to provide a referral network and facilitates the recruitment of students including access to internships.
- Iowa State Innovation System (ISIS): Near the time a venture is launched, facilities become an issue. ISIS, ISU's technology incubator, provides an ideal first home for companies. ISIS offers connections to the University, affordable space with reception services, office equipment (copiers, fax machines, and computers), conference rooms, and other amenities at a very reasonable rate. The Pappajohn Center, described above, provides mentoring to the companies

as well as the opportunity for companies to utilize students as interns and researchers. ISIS will generally attract five new companies each year. Companies typically spend one to three years in the Incubator moving from product development to product sales. Once sales are established, companies grow out of the Incubator. Some companies remain within the Research Park and continue to receive development assistance, while others move on to commercial space elsewhere but can still receive business development services from the ISU Pappajohn Center and ISU SBDC. As companies mature, the University provides opportunities for collaboration between researchers at the University and in the companies. Students provide cost-effective labor and are potential employees. The Research Park provides expansion space, often financing the space and improvements.

- Iowa State University Research Park: The Iowa State University Research Park is a 230-acre development with nearly 325,000 square feet of building space and is located south of the Iowa State University campus. The ISU Research Park is more than just land and buildings; it is a technology community that encourages commercialization of University research.
- Extension's Center for Industrial Research and Service (CIRAS): CIRAS provides education, research, and technical assistance to Iowa industry through partnerships with Iowa's universities and community colleges, government agencies, and professional associations. Account managers throughout the state meet with clients to assess needs and provide links to resources that companies can use to increase their competitiveness. Solutions are offered through a combination of direct assistance from center staff, university faculty, partner organizations, and outside consultants. CIRAS staff have expertise in biorenewables, engineering, management practices, government procurement, productivity, and quality systems. The center is supported in part by the NIST/DoC Manufacturing Extension Partnership, the DoD Procurement Technical Assistance Program, the EDA University Center Program, and USDA BioPreferred.
- ISU Research Foundation (ISURF) and the Office of Intellectual Property and Technology Transfer (OIPTT): ISURF owns and ISURF and OIPTT jointly manage, market and license the intellectual property for Iowa State University. ISURF/OIPTT works with faculty members in regard to the reporting and protection of innovations, including patenting inventions. It markets the innovations to find commercial partners interested in licensing. It also funds projects within the University that have potential for broadening the intellectual property protection or providing value for its commercial potential. ISURF also provides assistance to Iowa companies, including ISU faculty start-ups with SBIR and STTR applications.
- Innovations Development Facility (IDF): This is a business incubator operated by the Plant Sciences Institute to promote the commercialization of plant biotechnology. IDF encourages ISU faculty, staff, and students to commercialize their research in the plant sciences and promotes the development of start-up companies among aspiring entrepreneurs. IDF is housed in the Roy J. Carver Co-Laboratory and consists of six well-equipped laboratory modules. The facility offers an environment to transition research from a university to a business

- setting. The IDF facility is a productive research location where scientists from academe and industry can work together to advance the mission of the Plant Sciences Institute and to promote economic development in Iowa.
- Extension's Community and Economic Development Program: They provide assistance in land use and community planning, community economic analysis, nonprofit management, community design, local government management and leadership development. Major partners in the provision of these services and educational programs have included the lowa Department of Economic Development, the University of Iowa Nonprofit Resource Center, the Iowa Department of Transportation, the U.S. Department of Housing and Urban Development, the Office of the Iowa Secretary of State, Hometown Perry, Iowa, and the U.S. Department of Agriculture.
- ISU Extension to Families: They provide leadership for Iowa families and communities in meeting workforce development needs associated with dependent adult and child care, food safety, financial management, nutrition and health issues. They also serve as the lead delivery unit within Extension for the Horizons project in Iowa, working in 20 rural Iowa communities to help communities take charge and build stronger leaders to address poverty, economic decline and the exodus of young adults. This program is funded by the Northwest Area Foundation.
- ISU Extension to Agriculture and Natural Resources (ANR): They provide educational leadership to integrate lowa's rich natural resources, productive people, and viable communities with its strong agricultural industry to grow the economic base of Iowa agriculture. ANR Extension plans and delivers extension education activities through seven teams of faculty, field specialists and staff with expertise in crop production and protection, farm business management, horticulture, beef production management, pork production management, dairy production management and natural resources and stewardship. For example, the Dairy Production Management Team has partnered with external groups to establish the Iowa Dairy Coalition. During the past three years, through the leadership of the Coalition and Extension, Iowa dairies have increased their contribution to the Iowa economy by more than \$180 million.
- The Office of the Vice President for Research and Economic Development (OVPR/ED) works closely with all of the above units, including the Office of the Vice President for Extension and Outreach, in promoting the University's mission related to technology transfer and economic development.
  - The Economic Development Council (chaired by the VPR/ED) coordinates ISU technology transfer and economic development activities. Members meet monthly to discuss problems, update each other on activities, assess the state and national environment for technology transfer, and propose policy and procedures to encourage technology transfer and economic development activities at ISU. This council, formed in 1993, is comprised of representatives from all units on campus that have a primary role in economic development and technology transfer as well as representatives from each of the seven colleges.

- o An Economic Development Team within the OVPR/ED meets regularly to coordinate activities in this area. Members of this team include the VPR/ED, the Director of Industry and Government Relations, the Director of Industry Initiatives, the Director of the Office of Sponsored Programs Administration, the Executive Director and Associate Director of the ISU Research Foundation/Office of Intellectual Property and Technology Transfer, the Director of the ISU Research Park and Pappajohn Center for Entrepreneurship, and the Special Advisor to the VPR/ED.
- An opportunity response team (ORT) was formed to focus on the bioeconomy initiative and fostering relationships with industry in this area. Members include the Director of the Office of Biorenewables Programs; the Assistant Director of the Office of Biorenewables Programs; the Director of Industry and Government Relations; and the Director of Development, ISU Foundation. In FY07, this team helped secure an eight-year \$22.5 million research award from ConocoPhillips. This award will support ISU scientists and engineers as they research and develop a biofuel-production technology. It will also support research of the plant sciences and crop production, the harvesting and transportation of biomass and the impacts of biofuels on economic policy and rural sociology.

The above units are the key units that focus attention on economic development and technology transfer at ISU; however, significant additional related activity also occurs across campus in individual academic departments, centers and institutes, and colleges.

A recent survey of all ISU units was conducted to capture an estimate of the number of interactions ISU has had with communities and businesses across the State of Iowa. In FY07, the number of interactions reported was 4,484. This activity occurred in all 99 counties. (See Attachment B for details of these interactions, Attachment C for information on the coding used in Attachment B, and Attachment D for a map that shows distribution by county.)

In addition, the Small Business Development Center (SBDC) provided business assistance to companies, involving 2,168 clients and 15,598 counseling hours in 99 counties. They also conducted 387 training workshops in which 5,094 individuals participated. Information on SBDC is not included in the Excel sheet or map due to confidentiality reasons.

4. Please briefly describe two or three examples of major economic development collaborative projects with such other entities as Regent universities, Iowa community colleges, the Iowa Department of Economic Development, Iowa Workforce Development, or other state agencies.

# Major Economic Development Collaborative Projects

<u>Grow Iowa Values Fund</u> -- This legislation is providing the universities and private colleges financial resources to expand technology transfer and commercialization efforts. We are in the third year of GIVF funding, in addition to providing core support for

infrastructure in the Research Park, Pappajohn Center, IPRT Company Assistance, and the VPR/ED office. Each year projects are funded that pair ISU researchers and Iowa companies. A longer summary appears below.

<u>Battelle Initiative</u> – ISU, the University of Iowa and the University of Northern Iowa have worked closely with the Iowa Department of Economic Development, the Board of Regents, State of Iowa; legislators and business leaders through the Biosciences Alliance of Iowa organization to implement the Battelle initiative. Proposed projects that focus on the biosciences, information technology and advanced manufacturing have been funded. A longer summary appears below.

<u>Company Visits</u> – Each year IDED brings companies to visit ISU as part of their normal recruiting efforts. Two of the companies that IDED introduced to ISU in the past year are in the process of establishing research relationships with Iowa State. In addition, one company that was a joint effort between IDED and ISU has decided to locate in the ISU Research Park.

- 5. Please provide the following information about Grow Iowa Values Fund projects for FY 2007:
  - a. Identify and briefly describe each project or initiative which received GIVF funding in FY 2007 including information on outcomes or progress made
  - b. Identify metrics which were used to measure outcomes for each project and report progress on each metric for FY 2007
  - c. Provide a description of the sources of the matching institutional dollars for each GIVF-funded project

Projects funded in FY07 will conclude May 31, 2009. All projects are in-progress and reports are interim. A copy of the full report submitted to the Board of Regents in August is attached to this report (see Attachment E).

Principal Investigator	Project Title	Award Amount
Mary Holz-Claus	Corn-Biomass Composite Fuel Pellets: An Industry-University Partnership	\$49,380
Samir Khanal	Ultrasonication in Soy Processing for Enhanced Protein and Sugar Yields and Subsequent Nisin Production	\$81,977
Vikram Dalal	Collaborative Research on High Performance Stable Amorphous Silicon- Germanium Solar Cells	\$63,406
Manjit Misra	Commercialization of a Continuous In-Line Flow Meter	\$74,480
Larry Johnson	Commercializing New Fractionated Soy Proteins to Improve Human Health and Food Quality	\$167,717

	Davidonment of Desistence and Law Coloria	
Jay-Lin Jane	Development of Resistance and Low-Caloric Maltodextrins from Cornstarch	\$96,273
David Grewell	Ultrasonic Assisted Exfoliation of Bio-	\$72,681
Richard Larock	Commercialization of a Corn/Soy Oil-Based Composite Hog Feeder	\$96,000
Robert Brown	Gasification Technologies in Support of Biorefineries	\$132,247
Jacek Koziel	Purification & Quality Enhancement of Fuel Ethanol to Produce Alcoholic Beverages with Ozonation & Activated Carbon	\$81,848
Hans van Leeuwen	Converting Low Value Thin Stillage from Dry Milling Ethanol Plans into High Value Fungal Biomass	\$82,070
Pamela White	Designing Corn Lines with Dietary Fiber to Produce Ethnic Foods with Enhanced Health Benefits	\$67,960
Suzanne Hendrich	Flaxseed Lignans for Health	\$66,960
Ruth MacDonald	Role of complex carbohydrates from soybeans in inflammatory bowel disease	\$65,000
Anumantha Kanthasamy	Development of Novel Gene Therapy Approach for Parkinson's disease by Targeting a Cleavage Site of a Proapoptotic Kinase	\$50,000
Don Reynolds	Concept Paper for Biosafety Level 3 (BSL3) Facilities at Vet Med	\$38,000

# **High Performance Solar Cells**

PI: Vikram L. Dalal

# **Metrics:**

# Publications/presentations based on project:

At ICANS in August 2007

Awards received: Iowa Energy Center

# External funding applied for (indicate received/denied/pending):

DOE-BES: Pending; NSF-will be sent in the September and October round; PRF-will be sent in September round; NSF-MRSEC-Preproposal sent to VP Research

**Progress Report:** The project is on target for developing higher performance solar cells that Powerfilm can implement in production a few years down the line. Powerfilm has already implemented one of our improvements from the GIVF project.

# **Matching Funds:**

- Powerfilm \$20K in-kind
- ISU \$48.000
  - Whitney Chair Professorship
  - Micron faculty fellowships for Excellence
  - o NSF Grant ECS-0501251

# Corn-biomass Composite Fuel Pellets: An Industry-University Partnership

PI: Mary Holz-Clause CoPI(s) Douglas Stokke, Daniel Burden

#### Metrics:

**External funding applied for (indicate received/denied/pending):** A USDA Rural Development Pass-Through-Loan-Guarantee application to assist the ongoing expansion of the fuel-stove production facility in Pella, IA, has been submitted by the lowa Area Development Group.

# **Progress report:**

A patent application regarding the architecture of the extrusion die has been applied for by LDJ, Landers Machine, and Gary Wobler under the name of Ag Pellet Energy. Additionally, a filing for patent-protection currently is underway on a 100 percent pellet processing system for both fuel and feed applications. Ag Pellet Energy and Landers Machine have introduced this concept to the ethanol industry and are forming a new company, Ag Fuel & Feed, which will be based in lowa. The "100 percent DDG Pellet and Processing System" is designed to be located at or near ethanol plants. Marketing the technology as a system for sale to ethanol plants was initially proposed by the ISU Extension Value-added Agriculture Project.

#### **Matching Funds:**

- LDJ Manufacturing \$35,600 (in-kind)
- Wobler, Gary \$7,680 (in-kind)
- Iowa Area Development Group \$6,100 (in-kind)

# Commercializing New Fractionated Soy Proteins to Improve Human Health and Food Quality

PI: Lawrence A. Johnson

#### Metrics:

#### Publications/presentations based on project:

American Oil Chemists Society annual meeting (Quebec City, Canada):

Soy Protein Fractionation Using Gas-Supported Screw-Pressed Soybean Meal.
 (N. Deak and L. Johnson)

- Compositions and Properties of Gas-Supported Screw-Pressed Soybean Meal.
   (N. Deak, Z. Nazareth, and L. Johnson)
- Effects of Hydrogen Peroxide on Microbial Safety and Functionality of Soy Protein Isolates (N. Deak, N. Winsetel, and L. Johnson)
- Functional Properties of Soy Protein Isolates Made from Gas-Supported Screw-Pressed Soybean Meal. (Z. Nazareth, N. Deak, and L. Johnson)

#### Invention disclosures:

ISURF filed for US patent on April 13, 2007.

# **Progress report:**

We previously completed the first two of five objectives of the grant (proof-of-concept and scale-up, and process cost estimation). In the present reporting period, we focused on the third objective, to prepare a catalog of properties for our protein fractions and to compare those properties with those of existing protein products in the marketplace, which will be our competition. We have completed all of the compositional and functional tests and are evaluating and interpreting the results for the fractions produced in the pilot plant.

# **Matching Funds:**

- SafeSoy \$75,000 (in-kind)
- Crown Iron Works \$20,000 (in-kind)
- ISU \$83,000
  - o IAHEES project no 290-40-42
  - Salaries/Benefits for L. Johnson, N. Deak, Technician and undergraduate hourly support

# **Gasification Technologies in Support of Biorefineries**

PI: Robert C. Brown

#### Metrics:

# External funding applied for (indicate received/denied/pending):

GOALI: CFD Modeling and Validation of Biomass Particle Injection in Fluidized Bed Gasifiers, Theodore J. Heindel, Francine Battaglia and John P. Reardon, National Science Foundation. Denied.

Fluidized Bed Modeling and Validation for Gasification and Pyrolysis, Robert C. Brown, Francine Battaglia and Theodore J. Heindel, ConocoPhilips, 04/01/2007-12/31/2007. Received.

# **Progress report:**

The various beds were compared at three different flow rates, and the ratio of superficial gas velocity to minimum fluidization velocity was constant for each bed material. X-ray CT imaging was used to provide a qualitative view of the local time-averaged solids concentration, and clearly showed differences in fluidization between the materials. Computational fluid dynamics (CFD) simulations were used to predict the fluidized bed

behavior for glass beads and ground walnut shell, and were compared with the experimental data. Glass beads were used to validate the appropriate grid resolution for the CFD calculations because the material is well characterized in terms of coefficient of restitution and sphericity.

# **Matching Funds:**

- Frontline BioEnergy \$110,000
- ISU \$22,500
  - o Salary/Benefits for R. Brown, F. Battaglia, T. Heindel, S. Sadaka

# Designing Corn Lines with Dietary Fiber to Produce Ethnic Foods with Enhanced Health Benefits

PI: Pam White, Linda Pollak and Sue Duvick

#### Metrics:

# External funding applied for (indicate received/denied/pending):

Hendrich, S., P.J. White, and L.M. Pollak, Screening System for Digestion-Resistant Starch. USDA Special Grants Program. Center for Designing Foods to Improve Nutrition, ISU. \$30,000 funded through 2008.

Hendrich, S., P.J. White, and L.M. Pollak, Screening System for Digestion-Resistant Starch: Effects on Human Fecal Microbes and Short-chain Fatty Acid Production, ISU Plant Sciences Institute. \$50,000 funded through 2009.

White, P.J., J.-L. Jannink, and N. Yao. β-Glucan Structure and Interactions Modulate Physicochemical, Physiological and Sensory Functions of Oats. USDA National Research Initiative, Competitive Grants Program. \$495,229 funded through 2010.

J.-L. Jannink, P.J. White, M.P. Scott, K. Moore, R. Wise, and O. Anderson. Association genetics of  $\beta$ -glucan metabolism to enhance oat and barley germplasm for food and nutritional function. USDA National Research Initiative, Competitive Grants Program. \$500,000 funded through 2011.

# **Progress report:**

A procedure for extracting the corn starch and determining the RS percentage has been determined by using the Megazyme Resistant Starch Kit. Analyses of various standards, including commercial high amylose (has high amount of RS) corn starch and normal corn starch, have been completed. These standards also have been analyzed on an instrument called a differential scanning calorimeter, which precisely measures heating characteristics of starches, including a measure of the RS.

# **Matching Funds:**

- GEI Enterprises,
- Midwest Dairy Association
- USDA NRI Grant

# **Development of Resistant and Low-caloric Maltodextrins from Cornstarch**

PI: Jay-lin Jane

Metrics:

Publications/presentations based on project: 1

Invention disclosures: 1

#### External funding applied for (indicate received/denied/pending):

Grow Iowa Values Funding for 2008-09: denied.

### Progress report):

Novel technologies for producing resistant and low-caloric maltodextrins have been developed. Using these technologies, resistant and low-caloric maltodextrin products displaying 50% and greater enzyme resistance have been produced in the laboratory. Products made during the period between January and June, 2007 showed enzymeresistance ranged from 51% to 97% and the water solubility ranged from 84% to 95%. The weight-average molecular weights of these products ranged from 10³ to 10⁵ Da. These products had white to yellowish color and slight off-flavor. The production process has been successfully scaled-up to kilogram size.

# **Matching Funds:**

• GPC - \$145,000 (\$20,000 in cash, remainder in-kind)

# Commercialization of a Corn/Soy Oil-Based Composite Hog Feeder

PI: Distinguished Professor Richard C. Larock

#### **Metrics:**

# Publications based on project:

- Lu, Y.; Larock, R. C. "Fabrication, Morphology and Properties of Soybean Oil-Based Composites Reinforced with Continuous Glass Fibers", Macromol. Mater. Eng. 2007, submitted.
- Henna, P. H., Larock, R. C. "Rubbery Thermosets Prepared by Ring Opening Metathesis Copolymerization of a Functionalized Castor Oil and Cyclooctene", Macromol. Mater. Eng. 2007, submitted.

# Presentations based on project:

• Larock, R. C. "Development of Novel Plastics from Agricultural Oils," Consortium for Plant Biotechnology Research, Washington D.C., February 13, 2007.

- Larock, R. C. "Adventures in Biopolymers, Iodine Cyclizations, and Palladium Annulation and Migration Chemistry," First University of Nevada at Reno Chemistry Graduate Student Association Distinguished Lecture Award, Reno, Nevada, February 16, 2007.
- Larock, R. C. "Novel Bioplastics and Composites from Natural Oils," Ag-West Bio and National Research Council Plant Biotechnology Institute Third Plant Bio-Industrial Oils Workshop, Saskatoon, Saskatchewan, Canada, February 27, 2007.
- Henna, P. H.; Larock, R. C. "Rubbery Thermosets Prepared by Ring Opening Metathesis Copolymerization of a Functionalized Castor Oil and Cyclooctene", 233th American Chemical Society national meeting, March 25-29, 2007.
- Larock, R. C. "Adventures in Biopolymers, Iodine Cyclizations, and Palladium Annulation and Migration Chemistry," Tohoku University, Sendai, Japan, May 23, 2007.
- Larock, R. C. "Adventures in Biopolymers, Iodine Cyclizations, and Palladium Annulation and Migration Chemistry," Okayama University, Okayama, Japan, May 29, 2007.
- Larock, R. C. "Novel Bioplastics and Composites from Natural Oils", 234th American Chemical Society national meeting, Boston, Massachusetts, August 21, 2007.
- Valverde, M., Larock, R. C. "Free Radical Synthesis of Rubbers Made Entirely From Highly Unsaturated Vegetable Oils and Derivatives", 234th American Chemical Society national meeting, Boston, Massachusetts, August 19-23, 2007.

# Invention disclosures:

- Larock, R. C.; Lu, Y. S. "Bio-based Thermoset Plastic Composite Materials and Methods of Making Same", U.S. patent application 60/839,918 (2006).
- Larock, R. C.; Henna, P. H. "Ring Opening Metathesis Polymerization of Vegetable Oils", ISURF Disclosure, (2007).

# **External funding applied for:**

- "Development of Bioplastic Composites Using Ag Co-product Fillers", Iowa Biotechnology Consortium-USDA, 9/1/06-8/31/07, funded.
- "Biorenewable Composites Reinforced with Under-used Co-products from Ethanol Production", Recycling and Reuse Technology Transfer Center, University of Northern Iowa, 7/1/07-6/30/09, funded.
- "Novel Renewable Bio-based Rubber Composites from Plant Oils and Agricultural Co-products", Iowa State University, Plant Sciences Institute, 7/1/07-6/30/09, funded.
- "Development and Commercialization of Soy/Corn/Linseed Oil Bioplastics", Consortium for Plant Biotechnology Research, pending.
- "Practical Waterborne Agricultural Oil-based Coatings", Consortium for Plant Biotechnology Research, pending.
- "Novel Waterborne Coatings from Renewable Resources", Nine Sigma, pending.

- "Vegetable Oil Copolymers to Replace Petroleum-Based Matrices in Thermosetting Composites", NIST- ATP, pending.
- "Pultruded Window Frames from Agricultural Oils", Grow Iowa Values Fund, denied.

**Progress report:** During the last six months, we have made great progress on this project. Our work has focused on optimization of 1) the composition of the vegetable oil-based resin, 2) the ratio of the resin and glass fibers, and 3) the processing conditions, such as cure time, temperature, pressure, etc. So far, we have successfully prepared some very hard composites from several different resins (for example, 50 wt % soybean oil, 25 wt % styrene and 20 wt % divinylbenzene or 25 wt % soybean oil, 25 wt % linseed oil, 28 wt % styrene and 20 wt % divinylbenzene) reinforced with 45-55 wt % glass fibers. The tensile strength and Young's modulus are in the range 100-130 MPa and 2.5-5.0 GPa, respectively. These properties meet the requirements for a viable hog feeder. We have also dramatically shortened the cure time of the composites from 24 hr to 10-20 min, with no reduction in the thermal and mechanical properties.

# **Matching Funds:**

• R3 Composites, AgVantage - \$96,000 (in-kind)

# Commercialization of a Continuous In-Line Flow Meter

PI: Manjit K. Misra

**Metrics:** 

**Invention disclosures:** Already patented

# **Progress report:**

A prototype of the flowmeter was installed and tested in the ISU seed conditioning facility. The test apparatus consists of the prototype, a bucket elevator, a 45-bushel holding bin, calibrated slide gate for flow rate control, two way sample diverter valve, and a PC-based data logger. Seed was recycled from the holding bin to the slide gate, through the flow meter, elevator and then back to the bin during continuous operation. Seed samples were collected and weighed at periodic intervals for comparison with flow meter totalized data. A Visual Basic program was developed for collecting the real-time data from the load cell via the data acquisition board.

# **Matching funds:**

- Almaco \$34,500 (in-kind)
- Remington \$8,000 (in-kind)
- ISU \$32.500
  - Salary/Benefits Yuh, Yuan Shyy, Alan Gaul, Technical staff and hourly workers

 Use of test facilities and equipment, software license fees, prototype fabrication and labor for field install and tests

# **Flaxseed Lignans for Heart Health**

PI: Suzanne Hendrich

Metrics:
N/A

**Progress report:** Tablet formulations have been developed for the 3 supplements (placebo and 2 lignan doses) and tablets are being prepared. Human subjects approval has been obtained and subjects are being recruited according to the approved inclusion/exclusion criteria. The first cohort of 30 subjects is expected to begin the trial in August 2007, with study completion by March 2008.

# **Matching Funds:**

ADM

# Converting Low Value Thin Stillage from Dry Milling Ethanol Plants into High Value Fungal Biomass

PI: J.(Hans) van Leeuwen

**Metrics:** 

#### wetrics:

# Publications/presentations based on project:

- Sindhuja, S., Khanal, S.K., Pometto, A.L. and Van Leeuwen, J. (2007) Sindhuja, S., Khanal, S. K., Pometto, A. L. and Van Leeuwen, J. (2007) Use of microfungi for wastewater treatment and production of high value fungal by-products: A review. Critical Reviews in Environmental Science and Biotechnology. (by invitation, in press).
- Rasmussen, M., Kambam, Y., Khanal, S. K., Pometto, A. L. and Van Leeuwen, J. (2007) Thin stillage treatment from dry grind ethanol plants with fungi. ASABE Annual International Meeting (AIM), Jun 17-20, Minneapolis, MN.

#### Invention disclosures:

- ISURF #03387 "Purification of Thin Stillage from Dry Corn Milling with Fungi"
- This was covered by a provisional patent until last month and a regular patent application was submitted in June 2007, now patent pending.

# External funding applied for (indicate received/denied/pending):

 Developing an alternative methodology for stillage treatment and resource recovery based on fungal cultivation, GIVF with Poet assistance – denied

- Developing an alternative methodology for stillage treatment and resource recovery based on fungal cultivation, Biomass Research and Development Initiative USDA/DoE \$800,000 with \$200,000 co-funding from Poet - pending
- Developing an alternative methodology for Poet's BPX and BFRAC stillage treatment and resource recovery based on fungal cultivation, Poet \$300 to \$400k
   pending

# **Progress report:**

Bioreactors were operated to treat thin stillage, the centrate of the distillation leftovers from a dry-grind ethanol plant, Lincolnway Energy with fungi. The aerated reactors were inoculated with spores of *Rhizopus oligosporus*. Mycelial growth was visible within two days after inoculation. By day 3, the 5-L vessel filled with fungal biomass. The total organic concentration of the thin stillage, characterized as chemical oxygen demand (COD) of 94 g/L, was lowered by 77%, after four days of batch fermentation. Continuous operation could achieve 93% COD removal. Total suspended solids in the samples decreased from 30 to less than 0.1 g/L. Water from thin stillage could be recovered without evaporation, in contrast to current technology, with less loss.

# **Matching Funds:**

- Lincolnway Energy \$20,000 (in-kind)
- ADM \$10,000 (in-kind)
- Northern Filter \$18,000 (in-kind)
- ISU \$35.000
  - o Salary/Benefits Hans van Leeuwen, Sam Beattie, Alan Trenkle

# Ultrasonication in Soy Processing for Enhanced Protein and Sugar Yields and Subsequent Nisin Production

PI: Samir Kumar Khanal

# Metrics:

# Publications/presentations based on project:

Karki, B\*., Lamsal, B. P., Grewell, D., Van Leeuwen, J. and **Khanal, S. K**. Ultrasonication in soy processing for enhanced protein and sugar yields and subsequent bacterial nisin production. ASABE Annual International Meeting (AIM), Jun 17-20, Minneapolis, MN.

#### Invention disclosures:

Ultrasonication in soy processing for enhanced protein and sugar yields and subsequent nisin production [US Provisional Patent No. 60/914,502].

#### **Progress report:**

Several batch sonication experiments were conducted using defatted soybean flakes under controlled temperature conditions. The particle size of sonicated sample decreased by nearly 10 to 15-fold with respect to control at 100% amplitude. The particle size reduction was proportional to power level. The analyses of extract with ultrasound pretreatment under controlled temperature conditions showed improvements in protein

yield by 43% and sugar release by 45% with respect to control. These tests showed that temperature did not have significant effect on protein and sugar yields.

# **Matching Funds:**

- Cargill \$15,000 (in-kind)
- ADM \$7.000 (in-kind)
- P&G \$10,000 (in-kind)
- Branson \$45,000 (in-kind)

# **Role of Complex Carbohydrates on Colon**

PI: Ruth MacDonald

Metrics:
N/A

**Progress report:** The goal of the project is to develop a suitable animal model and tissue markers to investigate the role of dietary carbohydrates in colon cell physiology. To address this goal, we have undertaken a series of animal feeding trials using soybased products. The animal trials have been completed and we are in the process of analyzing tissue samples. In one model, we induced inflammation in the colon that would be similar to that observed in humans with inflammatory bowel disease. The tissues from these animals are being studied for specific markers of tissue damage and changes in cell physiology to determine if the dietary components protected the cells from the insult. We are working on tools to examine cellular changes in the colon of these animals and identifying appropriate biomarkers.

# Matching Funds:

ISU Ag Experiment Station Technician salary/benefits

# Development of a Novel Gene Therapy Approach for Parkinson's Disease by Targeting a Cleavage Site of a Proapoptotic Kinase

**PI:** Anumantha G Kanthasamy

### **Metrics:**

**Invention disclosures:** In addition to the progress below, we have also formed a small startup company called PK Biosciences. This will foster our efforts to commercialize this and other novel technologies.

#### **Progress report:**

As proposed, we began examining the neuroprotective effect of lentiviruses coding for the PKCδ cleavage motif triplet peptides QDAM<sub>3</sub>, DMQD<sub>3</sub> and DMQA<sub>3</sub> in cell culture and animal models of Parkinson's disease. First, we cloned the PKCδ cleavage

site sequence in QDAM<sub>3</sub> in LentiTopoV5 vector and then generated lentiviruses coding for the QDAM<sub>3</sub> triplet peptide. LacZ was used as a negative control. To determine the transduction efficiency of the lentiviruses coding for LacZ and QDAM<sub>3</sub>, N27 cells were transduced with different titers. Immunocytochemical analysis revealed >80% transduction efficiency. Lentiviruses coding for DMQD<sub>3</sub>, and DMQA<sub>3</sub> but not QDAM<sub>3</sub> were found to be protective against MPP<sup>+</sup>-induced proteolytic activation and cell death, confirming their neuroprotective effect in cell culture models of Parkinson's disease.

# Matching Funds:

- ISU \$50,000 (W. Eugene and Linda Lloyd Endownment and salary savings funds)
  - Salary/Benefits An. Kanthasamy, Ar. Kanthasamy, V. Anatharam, postdoc
  - o Equipment, animals and animal care, travel & publication costs

# Purification and Quality Enhancement of Fuel Ethanol to Produce Industrial Alcohols with Ozonation and Activated Carbon

PI: Jacek Koziel

#### Metrics:

# Publications/presentations based on project:

- Purification and Quality Enhancement of Fuel Ethanol to Produce Industrial Alcohols with Ozonation and Activated Carbon (2007 ASABE Annual International Meeting, Minneapolis, MN June 2007)
- Purification of Alcohol with Ozonation and Activated Carbon (Institute for Food Safety and Security symposium, Ames, IA April 2007, Air & Waste Management Association Iowa Chapter meeting, Des Moines, IA March 2007, Biorenewable Resources and Technology Research Symposium, Ames, IA April 2007, and Iowa Renewable Fuels Association meeting, Ames, IA March 2007).

**Awards received:** Grand Prize for Research from the American Association of Environmental Engineers, May 2007

**Progress report (300 word maximum):** The pure feed gas providing setup improved ozone gas quality significantly. However, it was also found that the ozone generator produced impurities in ozone gas during the ozone generating process. To improve ozone gas quality, a new ozone generator was introduced, which is consisted of less ozone reactive materials. Also, our original ozone generator was designed .It is consisted of only non-ozone reactive materials such as stainless steel, glass, and PTFE. It is expected that purer ozone gas provides more precise data of the purification efficiency.

# Matching Funds:

MellO3Z - \$55,000 (in-kind)

- Lincolnway Energy \$10,000 (in-kind)
- Fischer Law Firm \$14,400
- ISU Salary & Benefits (Van Leeuwen, Koziel)

# Ultrasonic Assisted Exfoliation of Bio-Renewable Polymer Nanocomposites with Micro-Cellular Structures

PI: David Grewell

CoPIs: Michael Kessler, Howard Van Auken

# **Metrics:**

# Publications/presentations based on project:

### **Journal Article:**

 Maria Vlad, Gowrishankar Srinivasan, David Grewell, Improvement of the mechanical properties of soy protein isolate based plastics through formulation and processing, International Polymer Processing Journal, In Press.

# **Conference Papers:**

- Maria Vlad, Gowrishankar Srinivasan, David Grewell, Improvement of the mechanical properties of soy protein isolate based plastics, Proceedings of the 65<sup>th</sup> Annual Technical Conference for the Society of Plastics Engineers (2007), Society of Plastics Engineers, Brookfield, CT
- Gowrishankar Srinivasan, Michael Kessler, David Grewell, Casting of Zein Protein Polymers, Proceedings of the 65<sup>th</sup> Annual Technical Conference for the Society of Plastics Engineers (2007), Society of Plastics Engineers, Brookfield, CT
- David Grewell, Maria Vlad, Gowrishankar Srinivasan, Improvement Of The Mechanical Properties Of Soy Protein Isolate Based Polymers, The Polymer Processing Society 23rd annual meeting, Salvador, Brazil, May 27-31, 2007

# Magazine articles:

- David Grewell, Mike Kessler, Maria Vlad, Gowrishankar Srinivasan, Enhancing Plastic from Naturally Occurring Proteins, Submitted November 2006, SPG Media Group PLC, Brunel House, London W2 1LA, UK
- David Grewell, Michael Kessler, and William Graves, *Protein-based Plastics and Applications*, Bioplastics Magazine, Issue 02/2007 (June).

# External funding applied for (indicate received/denied/pending):

Status	Title	Sponsor	Amount	PI	Co-PI(s)
	Degradable pots for plants	Horticultural		William	David Grewell
Funded		ResearchInstitute	\$14,000	Grave	
Pending	Protein plastics and application development	USDA-CSREES	\$416,875	D. Grewell	Mike Kessler, Deland Myers

### **Progress report:**

For Zein-based plastic, it was observed that moisture absorption increased with immersion time. However, an unexpected phenomenon of fluctuation in water uptake was observed with both concentrations of nanoclay formulations. It was observed that, initially, water absorption was negative and generally remained relatively low and in some cases remained negative (Figure 1). A possible hypothesis for this observation was that the exfoliated nanoclay distribution acted as a diffusion barrier preventing water from diffusing into the samples.

# Matching Funds:

- Creative Composites \$10,000 (in-kind)
- Vermeer \$10,000 (in-kind)
- Trexel/Zien/Branson \$38,500 (in-kind)
- ISU \$12,000 (equipment)

# **Modular BL3 Facility**

PI: Don Reynolds

### **Metrics:**

External funding applied for (indicate amount & received/denied/pending):
Kellogg Foundation - \$1 million / Denied

# **Progress report:**

To date, \$10,785 has been spent on the planning of the BL3 modular laboratory. This planning has resulted in various sites being considered for the BL3 at the VMRI and at the Vet Med complex. It has been revealed that VMRI is at capacity with regard to utilities and adding more facilities is not possible without major expansion of infrastructure which is beyond the scope of this project. The sites located near the Vet Med complex are being considered and planning is under way in preparation for an upcoming CPC meeting.

**Matching Funds:** Approximately \$2.0M is needed for the project, they are still in the process of securing the funding.

6. Please provide the following information about Battelle-funded projects for FY 2007:

a. Identify and briefly describe each project or initiative which received Battelle funding in FY 2007 including information on outcomes or progress made

b. Identify metrics which were used to measure outcomes for each project and report progress on each metric for FY 2007

A copy of the full report submitted to the Board of Regents in August is attached to this report (see Attachment F).

#### **METRICS:**

Metrics for Battelle are the same as GIVF, publication/presentation, honors/awards, external funding (leverage), and intellectual property. A summary across all platforms and sources of funding includes:

Publication/Presentations: 21 Intellectual Property disclosures: 2

External Funding (leverage): 46 grants have been applied for, as of July 01, 2007, 15

awards have been received totaling \$8,266,000.

#### ANIMAL SYSTEMS

Platform Chair: Max Rothschild

# Highlights:

- 50 pig genes have been selected and molecular markers have been identified for 28 of these genes. These markers will be useful in marker-assisted breeding for improved characteristics in pigs. These markers were developed using equipment purchased with the battelle infrastructure funds.
- A study is underway to evaluate the effects of high carbohydrate vs. high fat diets in pigs. The feeding trials have been done and samples taken to prepare for microarray analysis
- The project that is studying transmissible spongiform encephalophathies has formed a collaboration with a small company in Iowa City (iOptics, LLC)
- Improvements have been made to the Kildee Hall Animal Facilities to allow expanded housing of canine and feline animals. Animals are predicted to be able to move into the new facility in August 2007.

# **ADVANCED FOOD & FEED**

Platform Chair: Ruth MacDonald

# Highlights:

- The Wellness Center is open for business.
  - o One project has started and two more are in the planning stages.
  - One full time staff has been hired, salary provided by the College of Human Sciences
  - Diane Birt has been named the Interim Director effective September 1, 2007
- A two-day symposium was held the first annual Advanced Foods for Health Symposium – and attended by more than 100 people
- Several companies have toured the Wellness Center and indicated that this will be a valuable resource to companies.

#### ADVANCED MANUFACTURING

Platform Chair: Ron Cox

# Highlights:

• Discussions are ongoing to determine the best use of the funds

#### **BIOECONOMY**

Platform Chair: Robert Brown

# **Highlights:**

- In the syngas cleanup effort, updates are being made to existing equipment in order to evaluate a variety of feedstocks. In addition, a new method for gas clean-up is being installed.
- A microreactor was designed, constructed, and used for CO-water mass transfer measurements and initial experiments show that the CO-water volumetric mass transfer coefficients are repeatable under a variety of conditions.
- A continuous syngas fermentation system is under development to improve on the previous batch-process, to produce polyhydroxy alkanoate (PHA) biopolymers. Battelle infrastructure funds are being used to develop this system.
- E.Coli were successfully engineered to co-produce acetaldehyde and hydrogen from glucose. Work is continuing to increase and optimize production
- Six rhodospirillum rubrum genes have been identified that are involved in PHA production. Further study of these genes can lead to enhanced production of PHA from syngas fermentation
- A new pyrolyzer has been designed and constructed. In addition, an analytical instrumentation laboratory has been set up to analyze the products produced from pyrolysis
- Infrastructure funds have also been used to renovate research laboratories and provide essential equipment for three faculty in the Department of Chemistry.
   This support led to more than \$13,450,000 in grant submissions, with more than \$5,320,000 already awarded
- A laser system capable of performing planar imaging of sprays and combusting flows has been purchased – two projects are currently underway

#### **BIOSECURITY**

Platform Chair: Manjit Misra

# Highlights:

- Instrumentation has been purchased and installed for the Antimicrobial and Prebiotic Discovery Initiative
  - o SOP's have been developed for two procedures

- Assistant Scientist has been hired
- Commercial advisors have been selected and bi-monthly meetings are taking place
- Iowa Livestock Traceability project
  - Key barriers have been identified
  - Software revisions are underway
  - 30 people have been trained to use the software, in collaboration with UNI
  - Training has been approved for 3 continuing education credits
- The upgrade of a lab to a BL2 was approved by ISU, and equipment has been purchased with a renovation completion set at Fall 2007
- A field building has been erected for the college of agriculture

#### INFORMATION TECHNOLOGY

Platform Chair: Jim Oliver

# Highlights:

- The CyberInnovation Institute has moved into their new location at the ISU Research Park
- ISU was invited to join the Great Lakes Consortium for Petascale Computation led by the National Center for Supercomputing Applications (NCSA) at the University of Illinois, Urbana-Champaign. This regional consortium is a finalist in the National Science Foundation's "High Performance Computing System Acquisition: Towards a Petascale Computing Environment for Science and Engineering" program, a \$500M project to build the ultimate high-performance computer.
- April 25-27 the CyberInnovation Institute (CII) hosted the "Emerging Technologies Conference" ETC 2007. This three-day event featured research progress and economic development activities of all CII's research centers and attracted more than 450 attendees.
- In May the Center for Information Assurance hosted the second annual "Cyber Defense Competition" for regional high school students at the CyberInnovation Institute's new facilities at 2321 North Loop Drive in Ames. This two-day event was attended by more than 50 students and attracted substantial media attention.
- A high-performance computing system has been purchased for the Windus group. They have applied for nearly \$10.5M in funding (all pending) to utilize the system.
- A computer cluster with 16 nodes and 32 processors has been purchased for the Wang group. They have secured funding from DARPA for experimentation.

### **ENDOWED CHAIRS PROGRAM**

Of the \$2 M allocated for matching funds (\$1public:\$2private) for endowed chairs, \$500,000 in matching funds will be added to \$1M in private gift funds received in April

2007 to create the W. Eugene Lloyd Chair in Toxicology in the College of Veterinary Medicine. The College has not appointed a faculty member to this chair and no expenditures have been made from the endowment.

Numerous proposals for endowed chairs related to the Biorenewables area are pending and matching dollars have been discussed with the donors on a first to be funded will be the first qualified for matching basis.

Commitments on these proposals are expected during the fall to utilize the remaining matching funds.

- 7. Optional: If desired, please include observations regarding:
  - a. Availability of startup and venture capital for technology entrepreneurs
  - b. Suggestions for new programs or activities that could further enhance the impact of university technology transfer and service on creation of jobs and wealth in lowa.

7.A lowa continues to suffer from a lack of investment capital for start up and rapidly growing technology/innovation based firms.

- The Values Funds to the universities have provided a valuable source of funding for proof of concept/early stage development funding for the innovations that will become the next generation of businesses.
- There has been an increase in the number of Angel/Seed funds throughout the state. Available capital and experience varies widely and there is little coordination between the funds. The seed funds have typically brought more individual investors into play.
- The funding provided by Wellmark through the Pappajohn Center's has been a very valuable tool for early stage investment.
- There are very few true venture capital firms located in the state of lowa actively investing funds at this point in time.
- Each fund has a particular focus, the investment profile further limiting choices and resulting in very little competition.
- Most venture firms invest with other venture firms, one as lead with the others in secondary positions to spread risk and assure the ability to continue to fund the needs of the company--this is a major problem in lowa.
- Firms must look outside the state for significant investments of \$5 million plus.
- Really good businesses with really good management teams will attract money; a major problem is the development of an experienced/skilled management team.
- 7.B.1 Restoration of funds for economic development and technology transfer activities due to budget cuts in the past several years would greatly enhance the University's efforts in this area. The following is a summary of what benefits would occur if funds

were restored in the three units affected by budget cuts. (This information is the same information provided to the Board of Regents' staff in August, 2007.)

- Small Business Development Centers: Restoring \$300,000 of state funding would bring the Small Business Development Centers to the 2001 level and would allow us to see more clients, offer additional training and target additional services to high potential clients. Currently a high majority of our centers have very limited or no support staff. This means that we have highly trained professionals answering the phone and entering data instead of providing counseling and training for entrepreneurs. Along with increased client assistance, additional funding would also help us restore the South Central SBDC, headquartered in Creston, to full funding status. In terms of outcomes, we estimate that this additional funding would lead to the creation of over 300 new jobs, leverage 15 million dollars in additional financing and result in sales increases of 50 million dollars for lowa companies.
- Iowa State University Research Park: The restoration of approximately \$230,000 in funding to the Iowa State University Research Park would provide direct benefit to Iowa State University efforts to establish and support new technology ventures. New funds would be utilized to support the costs of providing incubator space and the support services required by new and early stage companies. The additional funds will increase the capacity for business incubation resulting in more new companies created and higher quality support for the young companies.
- Institute for Physical Research and Technology (IPRT): In recent years the IPRT economic development programs suffered a loss of over \$2,500,000 in budget cuts. Ironically, these cuts came at a time when the need for IPRT's expertise by Iowa industries was rapidly growing. Although much of the program has survived the cuts, it now serves only a fraction of the Iowa companies it once served and the current personnel are overextended. Each year since the budget cuts, both the technology commercialization unit and the technical assistance unit have had unmet requests for assistance to Iowa companies. The attached chart shows the reductions in overall company assistance over the period of 1993 to 2007.

A unique feature of the economic development program in IPRT is the active participation of scientists from internationally renowned ISU centers such as the Center for Nondestructive Evaluation, the Virtual Reality Applications Center and the Center for Catalysis. Also, these centers have excellent track records of spinning off new lowa businesses in the areas in which they excel. Unfortunately, budget cuts reduced our ability to inform lowa manufacturers about our industrial outreach program, which provides firms with the know-how to apply the results of cutting-edge research to their issues of quality control. This loss also meant that students who previously received training in doing the basic engineering work for projects no longer have this important hands-on industrial experience.

The technology commercialization unit has administered cost-sharing, contract research projects and since 1993 has leveraged tax dollars slightly better than 4 to 1. The staff are frustrated — they are working with lowa's small to medium-

sized manufacturers and identifying research and development needs that can be addressed by university teams of faculty scientists and engineers. These small companies have very limited R&D dollars and facilities, and now, this unit does not have the funds needed to leverage the companies' limited resources. These are projects with obvious economic impact—introduction of new products, addressing manufacturing processes, and improving quality—all areas that impact lowa's global competitiveness in the manufacturing sector.

The materials assistance unit of the IPRT economic development program provides short-term technical assistance to lowa manufacturers and is often the first interaction manufacturers have with the University. Restoration of funding would allow for growth of materials assistance, enhancing their delivery of services in three crucial areas. First they would be able to alleviate saturation of their available resources by adding a new staff member, thereby increasing their responsiveness to Iowa manufacturers. Second, by adding a staff member with complementary expertise, they will be able to offer a wider scope of services directly meeting the needs of Iowa manufacturers. Results of recent surveys of Iowa manufacturers by IPRT and CIRAS indicate that materials and quality issues associated with metallurgical processing, material selection, fabrication, and especially, coatings for wear and corrosion protection remain top priorities. If funding becomes available, they will hire staff with coating expertise. Finally they would utilize a portion of this additional funding to reinstate technical assistance projects with the broader University community. Both the traditional IPRT economic development units and the new emerging Centers such as the Center for Building Energy Research are dedicated to enhancing the state's competitiveness. Restoring the budget cuts to IPRT units would have a rapid and quantifiable impact on lowa's manufacturing sector. An investment now will result in continuing benefits to lowa's companies, important opportunities to retain our brightest students, and new industries based on discoveries in ISU's world-class Centers.

7.B.2 Provide funds for development of a central database by IDED of lowa technology companies, contacts, and areas of technology interest. This database should be web based for updating by the companies and access by the lowa university technology transfer offices as well as linkages to the universities' technologies available for licensing. This could lead to a broader pool of lowa companies for the technology transfer offices to contact and potentially license. This could also potentially lead to more funding from lowa companies to the university researchers.

## **IOWA STATE UNIVERSITY**

**Vice President for Research and Economic Development** 

## Research Park

	FY05	FY06	<u>FY07</u>
Number of companies in Research Park	51	48	61
Private companies	41	39	47
University-related	10	9	14
Number of new companies in Research Park	6	6	16
Private companies	6	6	10
University-related	0	0	6
Number of employees in companies in Research Park	619	621	636
Private companies	397	400	390
University-related	222	221	246
Number of startup companies in Research Park	3	5	6

## IOWA STATE UNIVERSITY

**Vice President for Research and Economic Development** 

#### Disclosures, Patents, Licenses, New Starts

	<u>FY05</u>	FY06	FY07	<u>AUTM</u> <u>Ranking*</u>
Number of invention disclosures	142	120	114	21st (tie)
Number of patents filed	54	52	41	47th
Number of patents awarded	15	19	26	53rd
Number of licenses and options executed (in total)**	218	140	113	2nd
Number of licenses and options executed (in lowa)	98	42	62	
Revenues (in total)	\$4,935,000	\$8,064,000	\$8,127,000	46th
Revenues (in Iowa)	\$534,000	\$669,000	\$672,000	
Number of startup companies formed (in total)***	5	3	2	22nd (tie)
Number of startup companies formed (in lowa)	2	1	2	

AUTM (Association of University of Technology Managers) is a national association that conducts annual surveys--most recent data published was based on FY05 and included 158 U.S. university participants.

<sup>\*\*</sup>Over the last three years, licenses for plant varieties have accounted for 81% of total licenses and options. The decline in total numbers for FY06 and FY07 is due to a different method of accounting for plant variety licensing

<sup>\*\*\*</sup>Through licensing activities

## **IOWA STATE UNIVERSITY**

**Vice President for Research and Economic Development** 

# Research Funding Received

	<u>FY05</u>	<u>FY06</u>	<b>FY07</b>
Research funding	\$179,800,000	\$171,400,000	\$167,100,000
Research funding from industry (in total)	\$16,000,000	\$15,500,000	\$14,200,000
Research funding from Industry (in Iowa)	\$11,200,000	\$10,600,000	\$8,100,000

		+	Iowa Companies and Communities Served by ISU durin	g FY07	
		+			
				Name of ISU Unit Providing	
	County	City/Town	Name of Company or Community Served	Assistance	Type of Assistance
	Adair	Greenfield	Bull Technologies and Manufacturing	College of Engineering	BAC
	Adair	Greenfield	Grow Iowa Foundation	College of Engineering	BCOM, BAC
	Adair	Greenfield	CAI Students	Crop Advisor Institute	PWD OCOM
	Adair	Greenfield	Greenfield	Families Extension Agricultural Education and	ОСОМ
	Adair	Orient	City of Orient	Studies	FAC
	Adair	Greenfield	Greenfield	Extension CED	TCOM
	Adair	Greenfield	Keller Manufacturing	Extension CED	BAC
	Adair	Orient	Midwest Partnership Corporation	Extension CED	FAC/ BCOM
	Adair		Renew Rural Iowa	Extension CED	FAC
	Adair		Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition	Extension CED	BAC/ TCOM/ FAC BCOM
	Adair		Southwest Iowa Coalition	Extension CED	FAC
	Adair	Adair	Adair-Casey Community	ISU Extension	BCOM
	Adair		Adair County RC&D	ISU Extension	BCOM
	Adair	Greenfield	City of Greenfield/Main Street	ISU Extension	BCOM
	Adair	Fontanelle	City of Fontanelle/Enterprise Club	ISU Extension	BCOM
	Adair		Adair County Empowerment	ISU Extension	FAC
	Adair	Greenfield	Nodaway Valley Community Schools	ISU Extension	OCOM
	Adair	Adoir	Adair County Home Care  Little Bomber Preschool	ISU Extension ISU Extension	OCOM PWD
	Adair Adair	Adair Menlo	West Central Community Schools	ISU Extension ISU Extension	PWD
	Adair	Bridgewater	B-F Prekindergarten	ISU Extension	PWD
	Adair	Greenfield	Nodaway Valley Developmental Preschool	ISU Extension	PWD
	Adair	Orient	Shared Visions O-M	ISU Extension	PWD
	Adair	Greenfield	Little Lambs	ISU Extension	PWD
	Adair	Greenfield	Sunshine Day Care Center	ISU Extension	PWD
	Adair	Adair	Owner Revolution Inc	ISUE-CIRAS	TAC
	Adair	Greenfield	Cardinal Glass Industries Inc	ISUE-CIRAS	TAC
	Adair	Greenfield	Cardinal Glass Industries Inc	ISUE-CIRAS	TAC
	Adair	Greenfield	Greenfield	ISU Extension	OCOM
	Adair		Adair County Farm Bureau	Extension CED	FAC/ BCOM
	Adair Adair	+	Adair County Supervisors  Adair County Tourism	Extension CED  Extension CED	FAC/ BCOM FAC/ BCOM
	Adair		Cardinal IG	Extension CED	FAC/ BCOM
	Adair	+	City of Greenfield	Extension CED	FAC/ BCOM
	Adair		Greenfield Chamber/Mainstreet & Development	Extension CED	FAC/ BCOM
	Adair		Greenfield Implement Company	Extension CED	FAC/ BCOM
	Adair		Greenfield Municipal Utilities	Extension CED	FAC/ BCOM
	Adair		Multi-State Regional Development	Extension CED	FAC
	Adair		Regional Foods Working Group	Extension CED	BAC
	Adair		Rural Development Resource Center	Extension CED	FAC
	Adair		Rural Development Summit	Extension CED	FAC
	Adair	Greenfield	Wash Haus, LLC Adair Co. Cattlemen	Extension CED External Relations	FAC/ BCOM FAC
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The state of the s	Adams	Corning  Corning  Corning  Corning  Corning  Corning  Corning  Corning  Corning	Adams County Great Places  Adams County Economic Development Corporation Corning Meat Processing Adams County Great Places Corning Johnny Carson Birthplace Adams County Adams County Farm Bureau Emerald Hills Dairy Consortium Grundman Insurance McMahon Drug Store Regional Foods Working Group Renew Rural Iowa Adams County - VITA site  Ron Corey vineyard & winery Adams County - VITA site Adams Conty - VITA site Adams Community Chamber of Commerce Adams Community Chamber of Commerce Adams Community Economic Development, Corning Chamber/Mainstreet Corning Community School District Corning Nursing & Rehab Center Midwest Opportunities Miltner Insurance Multi-State Regional Development	IDRO  College of Engineering Meat Science Extension IDRO  Extension CED	BCOM  BCOM  PWD  BCOM  PWD  BCOM  TCOM  BAC  FAC/  FAC/  FAC/  FAC/  BCOM  FAC/  FAC/  FAC/  FAC/  BCOM  FAC/  FAC
	Adams	Corning  Corning  Corning  Corning  Corning  Corning  Corning  Corning  Corning	Adams County Great Places  Adams County Economic Development Corporation Corning Meat Processing Adams County Great Places Corning Johnny Carson Birthplace Adams County Adams County Farm Bureau Emerald Hills Dairy Consortium Grundman Insurance McMahon Drug Store Regional Foods Working Group Renew Rural Iowa Adams County - VITA site  Ron Corey vineyard & winery Adams County - VITA site Adams County - VITA site Adams County - VITA site Adams Community Chamber of Commerce Adams Community Chamber of Commerce Corning Community School District Corning Nursing & Rehab Center Midwest Opportunities Miltner Insurance Multi-State Regional Development Okey Vernon First National Bank	College of Engineering Meat Science Extension IDRO Extension CED	BCOM  BCOM  PWD  BCOM  PWD  BCOM  TCOM  BAC  FAC/  FAC/  FAC/  FAC/  BCOM  FAC/  FAC
	Adams	Corning  Corning  Corning  Corning  Corning  Corning  Corning  Corning  Corning	Adams County Great Places  Adams County Economic Development Corporation Corning Meat Processing Adams County Great Places Corning Johnny Carson Birthplace Adams County Farm Bureau Emerald Hills Dairy Consortium Grundman Insurance McMahon Drug Store Regional Foods Working Group Renew Rural Iowa Adams County - VITA site  Ron Corey vineyard & winery Adams County - VITA site  Adams County - VITA site  Adams County - VITA site  Adams Community Chamber of Commerce Adams Community Chamber of Commerce Corning Community School District Corning Community School District Corning Community School District Corning Nursing & Rehab Center Midwest Opportunities Miltier Insurance Multi-State Regional Development Okey Vernon First National Bank Regional Marketing	IDRO  College of Engineering Meat Science Extension IDRO Extension CED	BCOM  BCOM  PWD  BCOM  PWD  BCOM  TCOM  BAC  FAC/ FAC/BCOM  BAC  FAC/BCOM  FAC/BCOM  TAC, BAC  OCOM  TAC, BAC  FAC/BCOM  BCOM  BCOM
The state of the s	Adams	Corning  Corning  Corning  Corning  Corning  Corning  Corning  Corning  Corning	Adams County Great Places  Adams County Economic Development Corporation Corning Meat Processing Adams County Great Places Corning Johnny Carson Birthplace Adams County Adams County Farm Bureau Emerald Hills Dairy Consortium Grundman Insurance McMahon Drug Store Regional Foods Working Group Renew Rural Iowa Adams County - VITA site  Ron Corey vineyard & winery Adams County - VITA site  Adams Coomunity Chamber of Commerce Adams Community Chamber of Commerce Corning Community Economic Development, Corning Chamber/Mainstreet Corning Community School District Corning Nursing & Rehab Center Midwest Opportunities Miltner Insurance Multi-State Regional Development Okey Vernon First National Bank Regional Marketing Rural Development Resource Center: Grow Iowa	College of Engineering Meat Science Extension IDRO Extension CED	BCOM  BCOM  PWD  BCOM  PWD  BCOM  FAC/ FAC/ FAC/ FAC/ FAC/ FAC/ BCOM  FAC/ FAC/ BCOM  TAC, BAC  OCOM  TAC, BAC  OCOM  FAC/ FAC/ FAC/ FAC/ FAC/ FAC/ BCOM  FAC/ FAC/ FAC/ FAC/ BCOM  FAC/ FAC/ FAC/ BCOM  BC
	Adams	Corning  Corning  Corning  Corning  Corning  Corning  Corning  Corning  Corning	Adams County Great Places  Adams County Economic Development Corporation Corning Meat Processing Adams County Great Places Corning Johnny Carson Birthplace Adams County Farm Bureau Emerald Hills Dairy Consortium Grundman Insurance McMahon Drug Store Regional Foods Working Group Renew Rural Iowa Adams County - VITA site  Ron Corey vineyard & winery Adams County - VITA site  Adams County - VITA site  Adams County - VITA site  Adams Community Chamber of Commerce Adams Community Chamber of Commerce Corning Community School District Corning Community School District Corning Community School District Corning Nursing & Rehab Center Midwest Opportunities Miltier Insurance Multi-State Regional Development Okey Vernon First National Bank Regional Marketing	IDRO  College of Engineering Meat Science Extension IDRO Extension CED	BCOM  BCOM  PWD  BCOM  PWD  BCOM  TCOM  BAC  FAC/ BCOM  BAC  FAC/ BCOM  FAC/ BCOM  TAC, BAC  OCOM  TAC, BAC  FAC/ BCOM  BCOM

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	Adams Adams		Second Home Subdivision Southern Iowa Council of Government	Extension CED Extension CED	BAC BCOM
					FAC
Adama Carretii	Adams 31		Southwest Iowa Coalition	Extension CED	3
Adams County			Trinity Fahriagtions	Callege of Dusiness	FAC
	Allamakee Allamakee	New Albin Postville	Trinity Fabrications  Norplex-Micarta	College of Business OIPTT	BAC
			•	CRP	
	Allamakee	Upper Explorerland	Building & Zoning		ТСОМ
	Allereneline	D6-dil-	Name Inc. Minanta	IPRT Company Assistance-	TAO
	Allamakee	Postville	Norplex - Micarta	NDE .	TAC
	Allamakee	Postville	Agriporcessors	Meat Science Extension	PWD
İ				Brenton Ctr for Ag	
	Allamakee	Waukon	Distance Education Students = 1	Instruction	PWD
İ	Allamakee	Waukon	Jet's Meat Processing	Meat Science Extension	PWD
	Allamakee	Waukon	Quillin's Meat Processing Plant	Meat Science Extension	PWD
	Allamakee	Lansing	Nex-Gen Biofuels, Inc.	Extension CED	BAC
	Allamakee	Upper Explorerland	Building & Zoning	Extension CED, CRP	TCOM
İ				Extension	
	Allamakee	Waukon	NE Iowa Community Development Conference	Extension CED	FAC
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	Allamakee		Northeast Iowa Food & Farm Coalition	Allamakee County Extension	BCOM
	riiamakoo		Treatment for a rain commen	7 marrianes searry Extension	200
	Allamakee		Northeast Iowa Food & Fitness Initiative	Allamakee County Extension	BCOM
	Allamakee		Notifiedst Iowa i ood & Fittiess Illitiative	Aliamakee County Extension	DCOIVI
	Allamatica	M/	Allemakes County Foonemia Development	Allomotros County Estancian	DCOM
	Allamakee	Waukon	Allamakee County Economic Development	Allamakee County Extension	BCOIVI
	Allenseles	10/	Worken Chember of Cor	Allemakes Court Foto	FAC
	Allamakee	Waukon	Waukon Chamber of Commerce	Allamakee County Extension	FAC
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	Allamakee	Postville	Postville Chamber of Commerce	Allamakee County Extension	FAC
<u></u>	Allamakee	Lansing	Lansing Chamber of Commerce	Allamakee County Extension	FAC
	Allamakee	Waukon	Allamakee Substance Abuse Prevention	Allamakee County Extension	OCOM
				·	
	Allamakee	Waukon	Allamakee County Auditor	Allamakee County Extension	ОСОМ
			, , , , , , , , , , , , , , , , , , , ,		
İ	Allamakee	Waukon	Community Connections	Allamakee County Extension	OCOM
	Allamakee	Waukon	Veterans Memorial Hospital	ISU Extension	OCOM
	Allamakee	Lansing		ISU Extension	PWD
			Kerndt Brothers Savings Bank		
	Allamakee	Lansing	Lansing Housing Products, Inc.	ISUE-CIRAS	TAC
<u> </u>	Allamakee	New Albin	Trinity Fabricators Inc	ISUE-CIRAS	BAC
<u> </u>	Allamakee	Lansing	Lansing Housing Products, Inc.	ISUE-CIRAS	BAC
<u> </u>	Allamakee	Postville	Norplex Micarta	ISUE-CIRAS	BAC
	Allamakee	New Albin	Trinity Fabricators Inc	ISUE-CIRAS	TAC
	Allamakee	Postville	Norplex Micarta	ISUE-CIRAS	TAC
	Allamakee	Waukon	Allamakee Co.	CTRE/CP Tech	PWD
	Allamakee	Waukon	Iowa DOT	CTRE/CP Tech	PWD
Allamakee County	30				3
	Allamakee		Allamakee County Auditors	Extension CED	ОСОМ
	Allamakee		NE Iowa Community Development Conference	Extension CED	FAC
	Allamakee		NE Iowa Food & Farm Coalition	CD-DIAL - Sociology	BAC
1				Extension	-
	Allamakee		Silos & Smokestacks National Heritage Area	Extension CED	ОСОМ
Allamakee County	Allamarce 4		Olios & Ollokestacks National Fielitage Area	Extension GED	OCOW
Alialliakee County	Appanoose	Centerville	Results Consulting, LLC	OIPTT	BAC
		W. Centerville	-	CRP	TCOM
	Appanoose		GIS Technician	CRP	TCOM
	Appanoose	W. Centerville	The Building Inspectors		
	Appanoose	1	Board of Administrators	CRP	
	A	O1:"	I i O	0 " (5 : :	TCOM
	Appanoose	Centerville	Irvin Company	College of Engineering	BAC
	Appanoose	Centerville	Results Consulting, inc.	College of Engineering College of Engineering	BAC FAC
		Centerville Centerville Centerville		College of Engineering College of Engineering College of Engineering	BAC
	Appanoose Appanoose	Centerville Centerville	Results Consulting, inc. Rattlers	College of Engineering College of Engineering College of Engineering Brenton Ctr for Ag	BAC FAC FAC
	Appanoose	Centerville	Results Consulting, inc.	College of Engineering College of Engineering College of Engineering Brenton Ctr for Ag Instruction	BAC FAC
	Appanoose Appanoose Appanoose	Centerville Centerville Centerville	Results Consulting, inc. Rattlers  Distance Education Students = 1	College of Engineering College of Engineering College of Engineering Brenton Ctr for Ag Instruction Agricultural Education and	BAC FAC FAC PWD
	Appanoose Appanoose	Centerville Centerville	Results Consulting, inc. Rattlers	College of Engineering College of Engineering College of Engineering Brenton Ctr for Ag Instruction	BAC FAC FAC PWD
	Appanoose Appanoose Appanoose	Centerville Centerville Centerville	Results Consulting, inc. Rattlers  Distance Education Students = 1	College of Engineering College of Engineering College of Engineering Brenton Ctr for Ag Instruction Agricultural Education and	BAC FAC FAC PWD
	Appanoose Appanoose Appanoose Appanoose	Centerville Centerville Centerville Centerville	Results Consulting, inc. Rattlers  Distance Education Students = 1 Indian Hills Community College	College of Engineering College of Engineering College of Engineering Brenton Ctr for Ag Instruction Agricultural Education and Studies	BAC FAC FAC PWD
	Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose	Centerville Centerville Centerville Centerville Moravia	Results Consulting, inc. Rattlers  Distance Education Students = 1  Indian Hills Community College City of Moravia	College of Engineering College of Engineering College of Engineering Brenton Ctr for Ag Instruction Agricultural Education and Studies Extension CED	BAC FAC FAC PWD OCOM BCOM
	Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose	Centerville Centerville Centerville Centerville Moravia Moravia	Results Consulting, inc. Rattlers  Distance Education Students = 1  Indian Hills Community College City of Moravia Moravia	College of Engineering College of Engineering College of Engineering Brenton Ctr for Ag Instruction Agricultural Education and Studies Extension CED Extension CED	BAC FAC FAC PWD OCOM BCOM TCOM
	Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose	Centerville Centerville Centerville Centerville Moravia Moravia W. Centerville	Results Consulting, inc. Rattlers  Distance Education Students = 1  Indian Hills Community College City of Moravia Moravia GIS Technician	College of Engineering College of Engineering College of Engineering Brenton Ctr for Ag Instruction Agricultural Education and Studies Extension CED Extension CED Extension CED, CRP Extension	BAC FAC FAC PWD OCOM BCOM TCOM TCOM
	Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose	Centerville Centerville Centerville Centerville Moravia Moravia	Results Consulting, inc. Rattlers  Distance Education Students = 1  Indian Hills Community College City of Moravia Moravia	College of Engineering College of Engineering College of Engineering Brenton Ctr for Ag Instruction Agricultural Education and Studies Extension CED Extension CED Extension CED, CRP Extension Extension CED, CRP Extension CED, CRP	BAC FAC FAC PWD OCOM BCOM TCOM
	Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose	Centerville Centerville Centerville Centerville Moravia Moravia W. Centerville	Results Consulting, inc. Rattlers  Distance Education Students = 1  Indian Hills Community College City of Moravia Moravia GIS Technician  The Building Inspectors	College of Engineering College of Engineering College of Engineering Brenton Ctr for Ag Instruction Agricultural Education and Studies Extension CED Extension CED Extension CED, CRP Extension Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP	BAC FAC FAC PWD OCOM BCOM TCOM TCOM TCOM
	Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose	Centerville Centerville Centerville Centerville Moravia Moravia W. Centerville	Results Consulting, inc. Rattlers  Distance Education Students = 1  Indian Hills Community College City of Moravia Moravia GIS Technician	College of Engineering College of Engineering College of Engineering Brenton Ctr for Ag Instruction Agricultural Education and Studies Extension CED Extension CED Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP	BAC FAC FAC PWD OCOM BCOM TCOM TCOM
	Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose	Centerville Centerville Centerville Centerville Moravia Moravia W. Centerville W. Centerville	Results Consulting, inc. Rattlers  Distance Education Students = 1  Indian Hills Community College City of Moravia Moravia GIS Technician  The Building Inspectors  Administrator	College of Engineering College of Engineering College of Engineering Brenton Ctr for Ag Instruction Agricultural Education and Studies Extension CED Extension CED Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP	BAC FAC FAC PWD OCOM BCOM TCOM TCOM TCOM TCOM
	Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose	Centerville Centerville Centerville Moravia Moravia W. Centerville W. Centerville Centerville	Results Consulting, inc. Rattlers  Distance Education Students = 1  Indian Hills Community College City of Moravia Moravia GIS Technician  The Building Inspectors  Administrator  Mercy Medical Center	College of Engineering College of Engineering College of Engineering Brenton Ctr for Ag Instruction Agricultural Education and Studies Extension CED Extension CED Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension ISU Extension	BAC FAC FAC PWD OCOM BCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM T
	Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose Appanoose	Centerville Centerville Centerville Centerville Moravia Moravia W. Centerville W. Centerville Centerville Centerville	Results Consulting, inc. Rattlers  Distance Education Students = 1  Indian Hills Community College City of Moravia Moravia GIS Technician  The Building Inspectors  Administrator  Mercy Medical Center Appanoose Biofuels, LLC	College of Engineering College of Engineering College of Engineering Brenton Ctr for Ag Instruction Agricultural Education and Studies Extension CED Extension CED Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension Extension Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension ISU Extension ISU Extension ISUE-CIRAS	BAC FAC FAC PWD OCOM BCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM T
	Appanoose Appanoose	Centerville Centerville Centerville Centerville Moravia Moravia W. Centerville W. Centerville Centerville Centerville Centerville	Results Consulting, inc. Rattlers  Distance Education Students = 1  Indian Hills Community College City of Moravia Moravia GIS Technician  The Building Inspectors  Administrator  Mercy Medical Center Appanoose Biofuels, LLC Media Tech	College of Engineering College of Engineering College of Engineering Brenton Ctr for Ag Instruction Agricultural Education and Studies Extension CED Extension CED Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension In Extension CED, CRP Extension Extension CED, CRP Extension ISUE Extension ISUE Extension ISUE-CIRAS ISUE-CIRAS	BAC FAC FAC PWD OCOM BCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM T
	Appanoose Appanoose	Centerville Centerville Centerville Centerville Moravia W. Centerville W. Centerville Centerville Centerville Centerville Centerville Centerville	Results Consulting, inc. Rattlers  Distance Education Students = 1  Indian Hills Community College City of Moravia Moravia GIS Technician  The Building Inspectors  Administrator  Mercy Medical Center Appanoose Biofuels, LLC Media Tech B and K Machining	College of Engineering College of Engineering College of Engineering Brenton Ctr for Ag Instruction Agricultural Education and Studies Extension CED Extension CED Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension ISUE Extension ISUE Extension ISUE-CIRAS ISUE-CIRAS	BAC FAC FAC PWD OCOM BCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM T
	Appanoose Appanoose	Centerville Centerville Centerville Centerville Moravia Moravia W. Centerville W. Centerville Centerville Centerville Centerville	Results Consulting, inc. Rattlers  Distance Education Students = 1  Indian Hills Community College City of Moravia Moravia GIS Technician  The Building Inspectors  Administrator  Mercy Medical Center Appanoose Biofuels, LLC Media Tech	College of Engineering College of Engineering College of Engineering Brenton Ctr for Ag Instruction Agricultural Education and Studies Extension CED Extension CED Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension Extension Extension Extension ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech	BAC FAC FAC PWD OCOM BCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM T
	Appanoose Appanoose	Centerville Centerville Centerville Centerville Moravia W. Centerville W. Centerville Centerville Centerville Centerville Centerville Centerville	Results Consulting, inc. Rattlers  Distance Education Students = 1  Indian Hills Community College City of Moravia Moravia GIS Technician  The Building Inspectors  Administrator  Mercy Medical Center Appanoose Biofuels, LLC Media Tech B and K Machining	College of Engineering College of Engineering College of Engineering Brenton Ctr for Ag Instruction Agricultural Education and Studies Extension CED Extension CED Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension Extension Extension CED, CRP Extension ISU Extension ISU Extension ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech CRP	BAC FAC FAC PWD OCOM BCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM T
	Appanoose Appanoose	Centerville Centerville Centerville Centerville Moravia W. Centerville W. Centerville Centerville Centerville Centerville Centerville Centerville	Results Consulting, inc. Rattlers  Distance Education Students = 1  Indian Hills Community College City of Moravia Moravia GIS Technician  The Building Inspectors  Administrator  Mercy Medical Center Appanoose Biofuels, LLC Media Tech B and K Machining Secondary Roads	College of Engineering College of Engineering College of Engineering Brenton Ctr for Ag Instruction Agricultural Education and Studies Extension CED Extension CED Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension Extension Extension Extension ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech	BAC FAC FAC PWD OCOM BCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM T
	Appanoose Appanoose	Centerville Centerville Centerville Centerville Moravia W. Centerville W. Centerville Centerville Centerville Centerville Centerville Centerville	Results Consulting, inc. Rattlers  Distance Education Students = 1  Indian Hills Community College City of Moravia Moravia GIS Technician  The Building Inspectors  Administrator  Mercy Medical Center Appanoose Biofuels, LLC Media Tech B and K Machining Secondary Roads Administrator  Supervisor	College of Engineering College of Engineering College of Engineering Brenton Ctr for Ag Instruction Agricultural Education and Studies Extension CED Extension CED Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension Extension Extension CED, CRP Extension ISU Extension ISU Extension ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech CRP	BAC FAC FAC PWD OCOM BCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM T
	Appanoose Appanoose	Centerville Centerville Centerville Centerville Moravia W. Centerville W. Centerville Centerville Centerville Centerville Centerville Centerville	Results Consulting, inc. Rattlers  Distance Education Students = 1  Indian Hills Community College City of Moravia Moravia GIS Technician  The Building Inspectors  Administrator  Mercy Medical Center Appanoose Biofuels, LLC Media Tech B and K Machining Secondary Roads  Administrator  Supervisor Zoning Administrator	College of Engineering College of Engineering College of Engineering Brenton Ctr for Ag Instruction Agricultural Education and Studies Extension CED Extension CED Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension ISU Extension ISU Extension ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech CRP CRP CRP	BAC FAC FAC PWD OCOM BCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM T
	Appanoose Appanoose	Centerville Centerville Centerville Centerville Moravia W. Centerville W. Centerville Centerville Centerville Centerville Centerville Centerville	Results Consulting, inc. Rattlers  Distance Education Students = 1  Indian Hills Community College City of Moravia Moravia GIS Technician  The Building Inspectors  Administrator  Mercy Medical Center Appanoose Biofuels, LLC Media Tech B and K Machining Secondary Roads Administrator  Supervisor	College of Engineering College of Engineering College of Engineering Brenton Ctr for Ag Instruction Agricultural Education and Studies Extension CED Extension CED Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension ISU Extension ISU Extension ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech CRP CRP	BAC FAC FAC PWD OCOM BCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM T

	Appanoose		Board of Administrators	Extension CED, CRP Extension	ТСОМ
	Appanoose		Supervisor	Extension CED, CRP Extension	ТСОМ
	Appanoose		Zoning Administrator	Extension CED, CRP Extension	ТСОМ
Appanoose County	27	•		LATERISION	27
				Brenton Ctr for Ag	
	Audubon	Audubon	Distance Education Students = 3	Instruction	PWD
	Audubon	Audubon	Audubon Community Schools	Agricultural Education and Studies	осом
	Audubon	Manning	Manning Community School	Agricultural Education and Studies	FAC
	Audubon	Manning	Regional Foods Working Group	Extension CED	BAC
	Audubon		Rural Development Resource Center: Grow Iowa	Extension CED	BAC/ TCOM/ FAC/
			Fund; Wallace Fund; Southwest Iowa Coalition	ISU Extension, Audubon	BCOM
	Audubon	Audubon	Audubon	County	FAC
	Audubon	Audubon	Hobby Farms	ISUE-CIRAS	TAC
	Audubon	Audubon	Audubon Co.	CTRE/CP Tech	PWD
	Audubon	Audubon	City of Audubon	CTRE/CP Tech	PWD
	Audubon		Audubon County Auditors	Extension CED	ОСОМ
	Audubon		Audubon County Economic Development Corporation	Extension CED	FAC/ BCOM
	Audubon		Multi-State Regional Development	Extension CED	FAC
	Audubon Audubon		Renew Rural Iowa Rural Development Resource Center	Extension CED Extension CED	FAC FAC
	Audubon		Rural Development Resource Center  Rural Development Summit	Extension CED  Extension CED	FAC
	Audubon		Southwest Iowa Coalition	Extension CED	FAC
	Audubon	all communities	Volunteer Income Tax Assistance	ISU Extension	OCOM
Audubon County	17				17
	Benton	Vinton	MellO3z	OIPTT	BAC
	Benton	Urbana	Urbana Planning & Zoning Chair	CRP	TCOM
	Benton	Van Horne	Benton Community H.S.	College of Engineering / ABE (PLTW)	ОСОМ
	Benton	Norway	Distance Education Students = 1	Brenton Ctr for Ag Instruction	PWD
				Brenton Ctr for Ag	
	Benton	Mt. Auburn	Distance Education Students = 5	Instruction	PWD
				Organic Ag Program (K. Delate; Agronomy &	
	Benton	Norway	Frontier Natural Products	Horticulture)	TAC
	Benton	Urbana	Urbana Planning & Zoning Chair	Extension CED, CRP Extension	ТСОМ
	Benton Benton		25 entrepreneurs	Extension CED Extension CED	BAC PWD
	Benton		Benton County Benton County Developing Dynamic Leaders	Extension CED	OCOM
	Benton		NE Iowa Community Development Conference	Extension CED	FAC
			, , , , , , , , , , , , , , , , , , , ,	Benton County Extension	
	Benton	Vinton	Vinton	CEED Benton County Extension	BCOM
	Benton	Vinton	Vinton Shellsburg Community School District	CEED	ОСОМ
	Benton		Shawn Ritter Farm	Extension/Iowa Beef Center	TAC
	Benton	Watkins	Natural Soy Products, LLC	ISUE-CIRAS	TAC
	Benton	Vinton	City of Vinton	CTRE/CP Tech	PWD
	Benton	Vinton	Fischer Law Firm LLP	Industry Relations	TAC
	Benton		Benton - ISU Extension County Office Marketing	CD-DIAL - Sociology	BAC
	Benton		Surveys Benton County	Extension CED	PWD
	Benton		Silos & Smokestacks National Heritage Area	Extension CED	OCOM
	Benton	Vinton	Benton Co.	CTRE/CP Tech	PWD
	Benton	Vinton	Benton Co.	CTRE/CP Tech	PWD
Benton County	22				22
	Black Hawk Black Hawk	Cedar Falls Gilbertville	Telemedicine International Gilbertville	OIPTT Landscape Architecture,	FAC BCOM
	Disability of	Lludoon	Commission of BOA	IDRO	TCOM
	Black Hawk Black Hawk	Hudson Hudson	Commissioner-BOA Zoning Administrator	CRP CRP	TCOM TCOM
	Black Hawk	Waterloo	Deere and Company	CRP College of Engineering	TAC
	Black Hawk	Waterloo	John Deere	College of Engineering	PWD
				IPRT Company Assistance-	
	Black Hawk	Waterloo	Engineered Products Company	NDE	TAC
	Black Hawk	Waterloo	John Deere - Waterloo Foundry	IPRT Company Assistance- NDE	TAC
			John Deere Weterlee Wester	IPRT Company Assistance- Technology	
	Disch Henry		John Deere Waterloo Works	Commercialization	TT
	Black Hawk	Waterloo			
	Black Hawk Black Hawk	Waterloo	Waterloo Police Department	Midwest Forensics Resource Center, IPRT	PWD
			Waterloo Police Department  Distance Education Students = 1	Midwest Forensics Resource	PWD

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	Black Hawk	Raymond	Diotopos Education Students – 1	Brenton Ctr for Ag Instruction	PWD
	DIACK FIAWK	Raymonu	Distance Education Students = 1	Brenton Ctr for Ag	FVVD
	Black Hawk	Waterloo	Distance Education Students = 3	Instruction	PWD
				Brenton Ctr for Ag	
	Black Hawk	Hudson	Distance Education Students = 4	Instruction	PWD
	Black Hawk	Waterloo	East High School	College of Engineering / ABE (PLTW)	осом
	Black Hawk	Waterloo	Tyson Foods	Meat Science Extension	PWD
	Black Hawk	Cedar Falls	Stonebridge Ltd.	ISURF	TT
	Black Hawk	Cedar Falls	University of Northern Iowa Facilities Planning	Extension CED	PWD
			Department		
	Black Hawk	Gilbertville	Gilbertville	Landscape Architecture,	всом
	Black Hawk	Hudson	Commissioner-BOA	IDRO Extension CED, CRP	тсом
	DIACK FIAWK	Huuson	COMMISSIONEI-BOA	Extension	I COIVI
	Black Hawk	Hudson	NE Iowa Community Development Conference	Extension CED	FAC
	Black Hawk	Hudson	Zoning Administrator	Extension CED, CRP	TCOM
				Extension	
	Black Hawk	Waterloo	Compassion Iowa - Nonprofit Management Academy	Extension CED	PWD
	Black Hawk	Waterloo	NE Iowa Community Development Conference	Extension CED	FAC
	Black Hawk	Waterloo	Waterloo	Extension CED	OCOM/ PWD
	Black Hawk	Waterloo	Young Parents Together Coalition	Extension CED	FAC
	Black Hawk		Black Hawk County	Extension CED	OCOM/ TCO/
					PWD
	Disabiliani	All	Composition Issue Manager Continue	Black Hawk County	BAC
	Black Hawk	All	Compassion Iowa Management Series	Extension Black Hawk County	BAC
	Black Hawk	Waterloo	Opportunity Works Community Service Network	Extension	FAC
	3011.10111		Control Control	Black Hawk County	1.5
	Black Hawk	Waterloo	Waterloo Chamber of Commerce	Extension	FAC
				Black Hawk County	
	Black Hawk	Waterloo	Public Safety Grant Committee	Extension	FAC
	Black Hawk	Cedar Falls	Chamber of Commerce Education Committee	Black Hawk County Extension	FAC
	DIACK FIAWK	Cedal Falls	Chamber of Commerce Education Committee	Black Hawk County	FAC
	Black Hawk	Waterloo	Cedar Valley's Promise	Extension	ОСОМ
				Black Hawk County	
	Black Hawk	Evansdale	City of Evansdale	Extension	ОСОМ
				Black Hawk County	
	Black Hawk	All	County's School Superintendents	Extension	ОСОМ
	Black Hawk	Waterloo	Waterloo Community Schools	Black Hawk County Extension	осом
	Diaok Hawk	***dicrioo	Valorico Community Corrocio	Black Hawk County	CCCINI
	Black Hawk	Waterloo	Emergency Management Team	Extension	ОСОМ
				Black Hawk County	
	Black Hawk	Waterloo	El Centro Latinoamericano	Extension	ОСОМ
	Diagle Liquide	Waterloo	Oneration Threehold	Black Hawk County	00014
	Black Hawk	waterioo	Operation Threshold	Extension Black Hawk County	ОСОМ
	Black Hawk	Waterloo	Renato Gonzalez - University of Colima	Extension	PWD
			,	Black Hawk County	
	Black Hawk	All	Black Hawk County Soil Survey	Extension	TAC
	Black Hawk	Waterloo	John Deere Waterloo Works	ANR Extension	PWD
	Black Hawk	Waterloo	Applebee's	ISU Extension	PWD PWD
	Black Hawk	Waterloo Evansdale	Barnes and Noble	ISU Extension	DIAID
	Black Hawk	Waterloo	Bertch Cabinet Manufacturing	ISU Extension	TAC
	Black Hawk	Waterloo	Bertch Cabinet Manufacturing	ISUE-CIRAS	TAC
	Black Hawk	Waterloo	Bertch Cabinet Manufacturing	ISUE-CIRAS	TAC
·	Black Hawk	Waterloo	Chromavantage	ISUE-CIRAS	BAC
	Black Hawk	Waterloo	Cedar Industries Inc.	ISUE-CIRAS	BAC
	Black Hawk Black Hawk	Waterloo	O'Neal Steel Inc Event in Black Hawk County	ISUE-CIRAS ISUE-CIRAS	TAC
	Black Hawk		Event in Black Hawk County	ISUE-CIRAS	TAC
	Black Hawk		Event in Black Hawk County	ISUE-CIRAS	TAC
	Black Hawk	Cedar Falls	Wood Components and Technologies	ISUE-CIRAS	TAC
	Black Hawk	Cedar Falls	City of Cedar Falls	CTRE/CP Tech	PWD
	Black Hawk	Cedar Falls	Power Pavers, Inc.	CTRE/CP Tech	PWD
	Black Hawk Black Hawk	Cedar Falls Elk Run Heights	UNI United Concrete Inc.	CTRE/CP Tech CTRE/CP Tech	PWD PWD
	Black Hawk	Evansdale	City of Evansdale	CTRE/CP Tech	PWD
	Black Hawk	Waterloo	Ament, Inc.	CTRE/CP Tech	PWD
	Black Hawk	Waterloo	Black Hawk Co.	CTRE/CP Tech	PWD
	Black Hawk	Waterloo	Black Hawk Co. Courthouse	CTRE/CP Tech	PWD
	Black Hawk	Waterloo	Cedar Valley Corp.	CTRE/CP Tech	PWD
	Black Hawk	Waterloo	City of Waterloo	CTRE/CP Tech	PWD
	Black Hawk Black Hawk	Waterloo Waterloo	Earth Tech lowa DOT	CTRE/CP Tech CTRE/CP Tech	PWD PWD
		Waterloo	Manatt's	CTRE/CP Tech	PWD
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	Black Hawk	Waterloo	Deere & Company	Center, IPRT	PWD
	Black Hawk	Cedar Falls	Nutriant, division of Kerry Foods	FSHN	TAC
	Black Hawk	Waterloo	Waterloo Dietetic Association	FSHN	PWD
	Black Hawk	Waterloo	Hawkeye Communtiy College	Agricultural Education and Studies	ОСОМ
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	Black Hawk	Waterloo	Hawkeye Community College	Studies	OCOM PWD
	Black Hawk	Waterloo	Family & Children's Council, Waterloo	Johnson County Extension	
	Black Hawk	Waterloo	Waterloo Dietetic Association	Dietetics Internship faculty 4/	
	Black Hawk		Black Hawk County Auditors	Extension CED	OCOM
	Black Hawk		Black Hawk County Auditors	Extension CED	OCOM
	Black Hawk		Silos & Smokestacks National Heritage Area	Extension CED	OCOM
Black Hawk County	80				8
	Boone	Boone	Vibroacoustics Solutions	OIPTT	BAC
	Boone	Boone	Alliant Energy	College of Engineering	BAC
	Boone	Woodward	Woodward Resource Center	College of Engineering	TAC
	Boone	Boone	Boone High School	College of Engineering / ABE (PLTW)	осом
				Ag Engineering/Agronomy	
	Boone	Boone	British Petroleum	Farm, ISU	FAC
	Boone	Boone	Distance Education Students = 5	Brenton Ctr for Ag Instruction	PWD
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	Boone	Rural Area	United Community School	Program Agricultural Education and	OCOM
	Boone	Woodward	Woodward Granger Community Schools	Studies	ОСОМ
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	Boone	Boone	Boone Community Schools	Studies	ОСОМ
	Boone	Boone	Boone	Extension CED	PWD
	Boone	Boone	Boone Co. Hospital Foundation	Extension CED	PWD
	Boone	Boone	Central District Conference, EFCA	Extension CED	PWD
	Boone	Boone	ISU-CFAH	Extension CED	PWD
	Boone	Boone	Scared Heart School/Church	Extension CED	PWD
	Boone		Boone County Auditors	Extension CED	OCOM
	Boone		Boone County	Boone County Extension	FAC
	Boone		Boone County	Boone County Extension	OCOM
	Boone		Boone County	Boone County Extension	OCOM
	Boone		Boone County	Boone County Extension	OCOM
	Boone		Boone County	Boone County Extension	PWD
	Boone		Boone County	Boone County Extension	PWD
	Boone	Boone	Godfather's Pizza	ISU Extension	PWD
	Boone	Boone	Gates Corp	ISUE-CIRAS	TAC
	Boone	Boone	Boone Co.	CTRE/CP Tech	PWD
	Boone	Boone	PowerFilm	Industry Relations	TAC
	Boone	Boone	Vibroacoustic Solutions	Industry Relations	TAC
	Boone		Boone County	Extension CED	PWD
	Boone		Boone County	Extension CED	OCOM/ PWD
	Boone		Silos & Smokestacks National Heritage Area	Extension CED	OCOM
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	Bremer	Waverly	United Equipment Accessories, Inc.		_
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		•		College of Engineering / ABE (PLTW)  Brenton Ctr for Ag Instruction	
	Bremer	Denver	Denver High School	College of Engineering / ABE (PLTW) Brenton Ctr for Ag	ОСОМ
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	Bremer Bremer	Denver Janesville Sumner	Denver High School  Distance Education Students = 1  Distance Education Students = 1	College of Engineering / ABE (PLTW) Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag	OCOM PWD PWD
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Butler Parkersburg Parkersburg Landscape Architecture, IDRO  Butler Shell Rock Shell Rock Landscape Architecture, IDRO  Brenton Ctr for Ag	Buena Vista County			Aplington	Landscape Architecture,	BCOM 30
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IDRO Brenton Ctr for Ag			,	-	IDRO	
		Dullel	OHEII KOCK	OHEII RUCK	IDRO	DCUIVI
		Butler	Parkersburg	Distance Education Students = 1	Brenton Ctr for Ag Instruction	PWD

	Butler	Greene	Distance Education Students = 3	Brenton Ctr for Ag Instruction	PWD
	Butler	Aplington	Aplington	Landscape Architecture, IDRO	ВСОМ
	Butler	Aplington	NE Iowa Community Development Conference	Extension CED	FAC
	Butler	Parkersburg	NE Iowa Community Development Conference	Extension CED	FAC
	Butler	Parkersburg	Parkersburg	Landscape Architecture, IDRO	ВСОМ
	Butler	Shell Rock	Shell Rock	Landscape Architecture, IDRO	ВСОМ
	Butler		Silos & Smokestacks National Heritage Area	Extension CED	ОСОМ
	Butler	Allison	Allison	Butler County Extension	BCOM
	Butler	Allison	community groups on Bioeconomy-2X	Robert Tigner	FAC
	Butler	Dumont	Dumont Telephone	ISU Extension	PWD
	Butler	Allison	Butler - Grundy County REC	Industry Relations	BCOM
	Butler	Butler County	Butler County Resource Development Group	Butler County Extension	FAC
Butler County	16				1
Deather Consider	Butler		Butler County Auditors	Extension CED	ОСОМ
Butler County	Calhoun 1	Somers	CAI Students	Crop Advisor Institute	PWD
	Califouri	Somers	CAI Students	Brenton Ctr for Ag	FVVD
	Calhoun	Pomeroy	Distance Education Students = 4	Instruction	PWD
		•		ABE/IGQI	BAC, TAC
	Calhoun	Farnhamville	Farnhamville Coop		PWD
	Calhoun	Lake City	Lake City Locker	Meat Science Extension	PWD
	Calhoun	Farnhamville	Northwest Grape Growers Assn	Midwest Grape & Wine Industry Institute	FAC
	Calhoun	Rockwell City	Twin Lakes Steaks	Webster Co. Extension - CEED	BAC
	Calhoun	Lake City	Lake City Horizons	ISU Extension	OCOM
	Calhoun	Farnhamville	Farmers Cooperative Co	ISUE-CIRAS	TAC
	Calhoun	Rockwell City	Calhoun/Sac Co.	CTRE/CP Tech	PWD
	Calhoun	Farnhamville	Farnhamville Coop	ABE/IGQI	BAC
	Calhoun	Farnhamville	Farnhamville Coop	ABE/IGQI	TAC
	Calhoun	Farnhamville	Business Unit info & planning	Greene County Extension	FAC, BAC
	Calhoun	Various	Wall Street Journal	ABE/IGQI	FAC
	Calhoun	Yetter	Yetter Locker	Meat Science Extension	PWD
	Calhoun		Calhoun County Auditors	Extension CED	OCOM
Calhoun County	15				1
	Carroll	Templeton	Accusteel Inc	College of Business	BAC
	Carroll	Carroll	Goodrich Turbine	College of Business	PWD
	Carroll	Manning	Asst. County Attorney	CRP	TCOM
	Carroll	Manning	City Manager	CRP	TCOM
	Carroll	Ralston	Renewable Energy Group	College of Engineering	FAC
	Carroll	Ralston	West Central	College of Engineering	TAC
	Carroll	Ralston	West Central Cooperative	College of Engineering	TAC
	Carroll	Ralston	West Central Cooperative	Center for Catalysis, IPRT	TT
	Carroll	Manning	Distance Education Students = 1	Brenton Ctr for Ag Instruction	PWD
				Brenton Ctr for Ag	
	Carroll	Carroll	Distance Education Students = 2	Instruction	PWD
	Carroll	Carroll	Farmland Foods	Meat Science Extension	PWD
	Carroll	Carroll	Mike's Meats	Meat Science Extension	PWD
	Carroll	Ralston	Renewable Energy Group	CCUR	FAC
	Carroll	Carroll	St Anthony Regional Hospital	FSHN	PWD
	Carroll	Ralston	West Central Cooperative	CCUR	FAC, TAC, TT
	Carroll	Ralston	Renewable Energy Group	CCUR	FAC
	Carroll	Ralston	West Central Cooperative	CCUR	FAC, TAC, TT
	Carroll	Ralston	West Central Cooperative	ISURF	TT
	Carroll	Carroll	United Way of Carroll	Extension CED	PWD
	Carroll	Manning	Asst. County Attorney	Extension CED, CRP	TCOM
		_	·	Extension	
	Carroll	Manning	City Manager	Extension CED, CRP Extension	ТСОМ
	Carroll		Carroll County	Extension CED	TAC; PWD
	Carroll		Farmers Cooperative	Extension CED	BAC
			·	Midwest Grape & Wine	
	Carroll	Willey	Santa Maria Winery	Industry Institute	BAC
	Carroll	Carroll	Child Care Providers	ISU Extension	PWD
	Carroll	Carroll	New Opportunities	ISU Extension	PWD
	Carroll	Ralston	West Central Cooperative	ISUE-CIRAS	FAC
	Carroll	Ralston	West Central Cooperative	ISUE-CIRAS	TAC
	Carroll	Ralston	West Central Cooperative	ISUE-CIRAS	TAC
	Carroll		12 small businesses	CED (Access eCommerce)	BAC
	Carroll	Carroll	ACTS Inc.	ISU Carroll County Extension	BAC
	Carroll	Carroll	Brown & Associates	ISU Carroll County Extension	BAC
			EnviroWaste Technology Inc.	ISU Carroll County Extension	BAC
	Carroll	Carroll	Jan Abbe Interiors	ISU Carroll County Extension	BAC
	Carroll	Carroll			

Carroll Carroll New Opportunities Families Extension PWD Carroll Carroll No-Burn of Central lowa Extension BAC Carroll Carroll Old Alley Gallery Extension BAC Carroll Carroll Smiley Worms SISU Carroll County Extension BAC Carroll Carroll Smiley Worms SISU Carroll County Extension BAC Carroll Carroll Snare Shop Extension BAC Carroll Carroll Sound Solutions SISU Carroll County Extension BAC Carroll Carroll Sound Solutions SISU Carroll County Extension BAC Carroll Carroll Sound Solutions SISU Carroll County Extension BAC Carroll Manning Struve Labs. Inc. SISU Carroll County Extension BAC Carroll Carroll The Flower Garden SISU Carroll County Extension BAC Carroll Carroll The Flower Garden SISU Carroll County Extension BAC Carroll Carroll Well Done Menus Extension BAC Carroll Carroll City of Carroll City of Carroll Created SISU Carroll County Extension BAC Carroll Carroll Carroll City of Carroll Created Carroll Created Carroll Carrol
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Cass County Farm Bureau Extension CED FAC/ BCOM Cass Emerald Hills Dairy Consortium Extension CED BAC Cass Regional Foods Working Group Extension CED BAC Cass Regional Marketing Extension CED BCOM Cass Regional Marketing Extension CED BCOM Cass Renew Rural Iowa Extension CED FAC Cass Renew Rural Iowa Extension CED FAC Cass Southwest Iowa Latino Resource Center Extension CED FAC Cass County Cass/Atlantic Development Corporation Cass County Extension FAC Cass County P.R.I.D.E. (Cass County Economic Development Cass County Extension CED Cass Atlantic The Plastic Professionals ISUE-CIRAS TAC Cass Lewis BIOWA Development Association ISUE-CIRAS FAC
Cass County Farm Bureau Extension CED FAC/ BCOM Cass Emerald Hills Dairy Consortium Extension CED BAC Cass Regional Foods Working Group Extension CED BAC Cass Regional Marketing Extension CED BCOM Cass Renew Rural Iowa Extension CED BCOM Cass Renew Rural Iowa Extension CED FAC Cass Rural Development Summit Extension CED FAC Cass Southwest Iowa Latino Resource Center Extension CED BAC Cass Atlantic Cass/Atlantic Development Corporation Cass County Extension FAC Cass all communities Volunteer Income Tax Assistance ISU Extension OCOM Cass Atlantic The Plastic Professionals ISUE-CIRAS TAC Cass Atlantic The Plastic Professionals ISUE-CIRAS TAC Cass Atlantic The Plastic Professional ISUE-CIRAS FAC Cass Atlantic Atlantic Atlantic Atlantic Machine and Fabrication ISUE-CIRAS BAC Cass Atlantic Atlantic Adachine and Fabrication ISUE-CIRAS BAC Cass Atlantic Dana Glacier Daido Co ISUE-CIRAS TAC
Cass County Farm Bureau Extension CED FAC/ BCOM Cass Emerald Hills Dairy Consortium Extension CED BAC Cass Regional Foods Working Group Extension CED BAC Cass Regional Marketing Extension CED BCOM Cass Regional Marketing Extension CED BCOM Cass Renew Rural Iowa Extension CED FAC Cass Rural Development Summit Extension CED FAC Cass Southwest Iowa Latino Resource Center Extension CED BAC Cass Atlantic Cass/Atlantic Development Corporation Cass County Extension FAC Cass County P.R.I.D.E. (Cass County Economic Development Cass County Extension CED BAC Cass Atlantic The Plastic Professionals ISUE-CIRAS TAC Cass Atlantic The Plastic Professionals ISUE-CIRAS FAC Cass Atlantic Atlantic Machine and Fabrication ISUE-CIRAS BAC Cass Atlantic Dana Glacier Daido Co ISUE-CIRAS BAC Cass Atlantic Dana Glacier Daido Co ISUE-CIRAS TAC Cass Atlantic Dana Glacier Daido Co ISUE-CIRAS TAC Cass Atlantic Dana Glacier Daido Co ISUE-CIRAS TAC Cass Atlantic Dana Glacier Daido Co ISUE-CIRAS TAC Cass Atlantic Dana Glacier Daido Co ISUE-CIRAS TAC Cass Atlantic Dana Glacier Daido Co ISUE-CIRAS TAC Cass Atlantic Dana Glacier Daido Co ISUE-CIRAS TAC Cass Atlantic Dana Glacier Daido Co ISUE-CIRAS TAC Cass Atlantic Dana Glacier Daido Co ISUE-CIRAS TAC Cass Atlantic Iowa DOT
Cass County Farm Bureau Extension CED FAC/ BCOM Cass Emerald Hills Dairy Consortium Extension CED BAC Cass Regional Foods Working Group Extension CED BAC Cass Regional Marketing Extension CED BCOM Cass Regional Marketing Extension CED BCOM Cass Renew Rural Iowa Extension CED FAC Cass Renew Rural Iowa Extension CED FAC Cass Southwest Iowa Latino Resource Center Extension CED FAC Cass County Extension CED FAC Cass Cass County Extension CED FAC Cass Cass Atlantic Cass/Atlantic Development Corporation Cass County Extension FAC Cass In County P.R.I.D.E. (Cass County Economic Development Cass County Extension CED Cass Atlantic The Plastic Professionals ISUE-CIRAS TAC Cass Atlantic The Plastic Professionals ISUE-CIRAS TAC Cass Atlantic The Plastic Professionals ISUE-CIRAS FAC Cass Atlantic Atlantic Machine and Fabrication ISUE-CIRAS BAC Cass Atlantic Dana Glacier Daido Co ISUE-CIRAS TAC Cass Atlantic Dana Glacier Daido Co ISUE-CIRAS TAC Cass Atlantic Iowa DOT CTRE/CP Tech PWD Cass Atlantic Iowa DOT CTRE/CP Tech PWD
Cass County Farm Bureau Extension CED FAC/ BCOM Cass Emerald Hills Dairy Consortium Extension CED BAC Cass Regional Foods Working Group Extension CED BAC Cass Regional Foods Working Group Extension CED BCOM Cass Regional Marketing Extension CED BCOM Cass Renew Rural Iowa Extension CED FAC Cass Renew Rural Iowa Extension CED FAC Cass Southwest Iowa Latino Resource Center Extension CED FAC Cass Southwest Iowa Latino Resource Center Extension CED BAC Cass Atlantic Cass/Atlantic Development Corporation Cass County Extension FAC Cass County P.R.I.D.E. (Cass County Economic Development Cass County Extension CED Cass Atlantic The Plastic Professionals ISU Extension OCOM Cass Atlantic The Plastic Professionals ISUE-CIRAS TAC Cass Atlantic The Plastic Professionals ISUE-CIRAS FAC Cass Atlantic Atlantic Machine and Fabrication ISUE-CIRAS BAC Cass Atlantic Dana Glacier Daido Co ISUE-CIRAS TAC Cass Atlantic Dana Glacier Daido Co ISUE-CIRAS TAC Cass Atlantic Iowa DOT CTRE/CP Tech PWD

	Cass	Griswold	Amos Sweet Corn	Armstrong Research Farm, ISU	TAC
	Cass	Griswoid	Allos Gweet Colli	Darrell Busby SW IA Beef	TAC
	Cass	Lewis	TCSCF Cooperative	Specialist Darrell Busby SW IA Beef	BAC
	Cass	Lewis	Certified Angus Beef & TCSCF Cooperative	Specialist	TAC
	Cass		A.M. Cohron & Sons, Inc.	Extension CED	FAC/ BCOM
	Cass		A-Plus Designs	Extension CED	FAC/ BCOM
	Cass		Cass County Auditors	Extension CED	OCOM
	Cass		Cass County Board of Supervisors	Extension CED	FAC/ BCOM
	Cass		Cass-Atlantic Development Corporation	Extension CED	FAC/ BCOM
	Cass		Cass-Atlantic Economic Development; PRIDE	Extension CED	BCOM
			(economic development)		
	Cass		City of Griswold	Extension CED	FAC/ BCOM
	Cass		Multi-State Regional Development	Extension CED	FAC
	Cass		National Center for Appropriate Technology	Extension CED	FAC/ BCOM
	Cass		Rural Development Resource Center	Extension CED	FAC
	Cass		Rural Development Resource Center: Grow Iowa	Extension CED	BAC/ TCOM/ FAC/
			Fund; Wallace Fund; Southwest Iowa Coalition		BCOM
	Cass		Snyder & Associates, Inc.	Extension CED	FAC/ BCOM
	Cass		Southwest Iowa Coalition	Extension CED	FAC
	Cass		Van Ginkel Law Office	Extension CED	FAC/ BCOM
	Cass		Wallace Foundation for Rural Research &	Extension CED	FAC/ BCOM
			Development		
	Cass		Wells Fargo Bank - Atlantic	Extension CED	FAC/ BCOM
Cass County	64				64
	Cedar	Tipton	Tipton	Landscape Architecture,	BCOM
				IDRO	
				IPRT Company Assistance-	
	Cedar	Durant	Schumacher Company, LC	Materials	TAC
L	Cedar	Durant	Durant Locker	Meat Science Extension	PWD
	Cedar	Clarence	IMPA	Meat Science Extension	PWD
	Cedar	Tipton	Tipton Locker	Meat Science Extension	PWD
	Cedar	Tipton	NE Iowa Community Development Conference	Extension CED	FAC
	Cedar	Tipton	Tipton	Landscape Architecture, IDRO	ВСОМ
	Cedar	Tipton	Tipton Community Visioning	Cedar County Extension	BCOM
	Cedar	Tipton	Cedar County Senior Citizens, Tipton	Johnson County Extension	PWD
	Cedar	Tipton	Prairie Hill	ISU Extension	PWD
	Cedar	Tipton	Dairy Queen	ISU Extension	PWD
	Cedar	Tipton	Cedar Co.	CTRE/CP Tech	PWD
	Cedar	Tipton	Cedar Co. Secondary Roads	CTRE/CP Tech	PWD
	Cedar		Cedar County Auditors	Extension CED	OCOM
	Cedar		Silos & Smokestacks National Heritage Area	Extension CED	ОСОМ
Cedar County	15				15
	Cerro Gordo	Thornton	Niman Ranch Pork	ISU Extension	OCOM
	Cerro Gordo	Mason City	Metal Craft	College of Engineering	FAC
				IPRT Company Assistance-	
	Cerro Gordo	Clear Lake	Larson Manufacturing Company	Materials	TAC
				IPRT Company Assistance-	
	Cerro Gordo	Clear Lake	Larson Manufacturing Company	NDE	TAC
				IPRT Company Assistance-	
				Technology	
	Cerro Gordo	Clear Lake	Clear Lake Specialty Products	Commercialization	TT
				IPRT Company Assistance-	
			L	Technology	
	Cerro Gordo	Mason City	Metalcraft	Commercialization	TT
	Cerro Gordo	Mason City	Armour-Eckrich Meats LLC.	Meat Science Extension	PWD
	Cerro Gordo	Mason City	Campbell Industries	CCUR	TAC
			L	Brenton Ctr for Ag	
	Cerro Gordo	Clear Lake	Distance Education Students = 2	Instruction	PWD
			5.4 5.4 6.4 5.5	Brenton Ctr for Ag	DIA/D
	Cerro Gordo	Mason City	Distance Education Students = 2	Instruction	PWD
			5.4 5.4 6.4 5.5	Brenton Ctr for Ag	DIA/D
	Cerro Gordo	Swaledale	Distance Education Students = 2	Instruction	PWD
	OCHO COIGO				II.
				Agricultural & Biosystem	
	Cerro Gordo	Mason City	Freedom Fuels	Engineering - STIR	TAC
	Cerro Gordo Cerro Gordo	Mason City	Innovative Growers LLC	Engineering - STIR CCUR	FAC
	Cerro Gordo Cerro Gordo Cerro Gordo	Mason City Mason City	Innovative Growers LLC Mercy Medical Center	Engineering - STIR CCUR FSHN	FAC PWD
	Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo	Mason City Mason City Thornton	Innovative Growers LLC Mercy Medical Center Niman Ranch	Engineering - STIR CCUR FSHN SEU - CDFIN	FAC PWD TAC
	Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo	Mason City Mason City Thornton Mason City	Innovative Growers LLC Mercy Medical Center Niman Ranch Ralph's Old Fashon Canned Meat	Engineering - STIR CCUR FSHN SEU - CDFIN Meat Science Extension	FAC PWD TAC PWD
	Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo	Mason City Mason City Thornton	Innovative Growers LLC Mercy Medical Center Niman Ranch	Engineering - STIR CCUR FSHN SEU - CDFIN Meat Science Extension Meat Science Extension	FAC PWD TAC
	Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo	Mason City Mason City Thornton Mason City Ventura	Innovative Growers LLC Mercy Medical Center Niman Ranch Ralph's Old Fashon Canned Meat Ventura Locker	Engineering - STIR  CCUR FSHN SEU - CDFIN Meat Science Extension Meat Science Extension Agricultural Education and	FAC PWD TAC PWD PWD
	Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo	Mason City Mason City Thornton Mason City Ventura Mason City	Innovative Growers LLC Mercy Medical Center Niman Ranch Ralph's Old Fashon Canned Meat Ventura Locker  Northeast Iowa Community College	Engineering - STIR CCUR FSHN SEU - CDFIN Meat Science Extension Meat Science Extension Agricultural Education and Studies	FAC PWD TAC PWD PWD OCOM
	Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo	Mason City Mason City Thornton Mason City Ventura Mason City Mason City	Innovative Growers LLC Mercy Medical Center Niman Ranch Ralph's Old Fashon Canned Meat Ventura Locker  Northeast Iowa Community College Campbell Industries	Engineering - STIR  CCUR FSHN SEU - CDFIN Meat Science Extension Meat Science Extension Agricultural Education and Studies CCUR	FAC PWD TAC PWD PWD OCOM TAC
	Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo	Mason City Mason City Thornton Mason City Ventura Mason City Mason City Mason City Mason City	Innovative Growers LLC Mercy Medical Center Niman Ranch Ralph's Old Fashon Canned Meat Ventura Locker  Northeast Iowa Community College Campbell Industries Innovative Growers LLC	Engineering - STIR  CCUR FSHN SEU - CDFIN Meat Science Extension Meat Science Extension Agricultural Education and Studies CCUR CCUR	FAC PWD TAC PWD PWD OCOM TAC FAC
	Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo	Mason City Mason City Thornton Mason City Ventura Mason City Mason City	Innovative Growers LLC Mercy Medical Center Niman Ranch Ralph's Old Fashon Canned Meat Ventura Locker  Northeast Iowa Community College Campbell Industries Innovative Growers LLC Niman Ranch	Engineering - STIR CCUR FSHN SEU - CDFIN Meat Science Extension Meat Science Extension Agricultural Education and Studies CCUR CCUR SEU - CDFIN	FAC PWD TAC PWD PWD OCOM TAC FAC TAC
	Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo	Mason City Mason City Thornton Mason City Ventura Mason City Mason City Mason City Mason City	Innovative Growers LLC Mercy Medical Center Niman Ranch Ralph's Old Fashon Canned Meat Ventura Locker  Northeast Iowa Community College Campbell Industries Innovative Growers LLC	Engineering - STIR  CCUR FSHN SEU - CDFIN Meat Science Extension Meat Science Extension Agricultural Education and Studies CCUR CCUR	FAC PWD TAC PWD PWD OCOM TAC FAC TAC FAC FAC
	Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo	Mason City Mason City Thornton Mason City Ventura Mason City Mason City Mason City Mason City Thornton	Innovative Growers LLC Mercy Medical Center Niman Ranch Ralph's Old Fashon Canned Meat Ventura Locker  Northeast Iowa Community College Campbell Industries Innovative Growers LLC Niman Ranch	Engineering - STIR CCUR FSHN SEU - CDFIN Meat Science Extension Meat Science Extension Agricultural Education and Studies CCUR CCUR SEU - CDFIN	FAC PWD TAC PWD PWD OCOM TAC FAC TAC
	Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo	Mason City Mason City Thornton Mason City Ventura Mason City Mason City Mason City Mason City Thornton	Innovative Growers LLC Mercy Medical Center Niman Ranch Ralph's Old Fashon Canned Meat Ventura Locker  Northeast Iowa Community College Campbell Industries Innovative Growers LLC Niman Ranch NE Iowa Community Development Conference	Engineering - STIR CCUR FSHN SEU - CDFIN Meat Science Extension Meat Science Extension Agricultural Education and Studies CCUR CCUR SEU - CDFIN Extension CED	FAC PWD TAC PWD PWD OCOM TAC FAC TAC FAC FAC
	Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo	Mason City Mason City Thornton Mason City Ventura Mason City Mason City Mason City Mason City Thornton	Innovative Growers LLC Mercy Medical Center Niman Ranch Ralph's Old Fashon Canned Meat Ventura Locker  Northeast Iowa Community College Campbell Industries Innovative Growers LLC Niman Ranch ME Iowa Community Development Conference Cerro Gordo County Auditors	Engineering - STIR CCUR FSHN SEU - CDFIN Meat Science Extension Agricultural Education and Studies CCUR CCUR SEU - CDFIN Extension CED Extension CED	FAC PWD TAC PWD OCOM TAC FAC FAC TAC FAC OCOM
	Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo Cerro Gordo	Mason City Mason City Thornton Mason City Ventura Mason City Mason City Mason City Mason City Mason City Thornton Mason City	Innovative Growers LLC Mercy Medical Center Niman Ranch Ralph's Old Fashon Canned Meat Ventura Locker  Northeast Iowa Community College Campbell Industries Innovative Growers LLC Niman Ranch NE Iowa Community Development Conference Cerro Gordo County Auditors Silos & Smokestacks National Heritage Area	Engineering - STIR  CCUR FSHN SEU - CDFIN Meat Science Extension Meat Science Extension Agricultural Education and Studies CCUR CCUR SEU - CDFIN Extension CED Extension CED Extension CED	FAC PWD TAC PWD PWD OCOM TAC FAC TAC FAC TAC OCOM OCOM

	Cerro Gordo	Clear Lake	National Model T Assoc annual rally	Cerro Gordo County Extension	BAC
	Cerro Gordo	Clear Lake	National Model 1 Assoc annual fally	Cerro Gordo County	BAC
	Cerro Gordo	Mason City	Jan Libby Farmers Market NI Assoc	Extension	BAC
	Cerro Gordo	Mason City	North Iowa Coop	Cerro Gordo County Extension	BAC
	Cerro Gordo	Mason City	Chamber of Commerce Ag Committee	Cerro Gordo County Extension	ВСОМ
	Cerro Gordo	Mason City	Mason City Econ Development	Cerro Gordo County Extension	ВСОМ
	Cerro Gordo	,		Cerro Gordo County Extension	ВСОМ
		Mason City	Regional Planning Group North Iowa	Cerro Gordo County	
	Cerro Gordo	Mason City	Bio Village Group	Extension Cerro Gordo County	BCOM
	Cerro Gordo	Mason City	CARE Advisory Group	Extension Cerro Gordo County	BCOM
	Cerro Gordo	Mason City	Mason City Downtown Association	Extension Cerro Gordo County	всом
	Cerro Gordo	Mason City	Chamber of Commerce Ag/City show	Extension	FAC
	Cerro Gordo	Mason City	NI Head Start Annual Mtg Facilitator	Cerro Gordo County Extension	FAC
	Cerro Gordo	Mason City	NIACC	Cerro Gordo County Extension	ОСОМ
	Cerro Gordo	,	Mason City Econ Develop	Cerro Gordo County Extension	ОСОМ
		Mason City		Cerro Gordo County	
	Cerro Gordo	Mason City	NIACC/AEA	Extension Cerro Gordo County	ОСОМ
	Cerro Gordo	Mason City	United Way	Extension Cerro Gordo County	ОСОМ
	Cerro Gordo	Mason City	Community Kitchen of North Iowa	Extension	осом
	Cerro Gordo	Clear Lake	Central Gardens Association	Cerro Gordo County Extension	осом
	Cerro Gordo	Clear Lake	women farm operators and land owners	Robert Tigner Midwest Grape & Wine	BAC
	Cerro Gordo	Clear Lake	Clear Lake Chamber of Commerce	Industry Institute	FAC
	Cerro Gordo	Mason City	Low Income earners and elderly	ISU Extension	OCOM
	Cerro Gordo	Mason City	Early Childhood Center	ISU Extension	OCOM
	Cerro Gordo	Mason City	Transition Advisory Board	ISU Extension	OCOM
	Cerro Gordo	Mason City	Cerro Gordo Public Health	ISU Extension	PWD
	Cerro Gordo	Mason City	Graham Manufacturing Corp	ISUE-CIRAS	TAC
	Cerro Gordo	Mason City	IMI Cornelius Inc	ISUE-CIRAS	TAC
	Cerro Gordo		Event in Cerro Gordo County	ISUE-CIRAS	FAC
	Cerro Gordo	Mason City	Metalcraft Inc	ISUE-CIRAS	TAC
	Cerro Gordo	Mason City	Graham Manufacturing Corp	ISUE-CIRAS	TAC
	Cerro Gordo	Mason City	Metalcraft Inc	ISUE-CIRAS	TAC
	Cerro Gordo	Mason City	IMI Cornelius Inc	ISUE-CIRAS	TAC
	Cerro Gordo	Mason City	IMI Cornelius Inc	ISUE-CIRAS	TAC
	Cerro Gordo	Clear Lake	City of Clear Lake	CTRE/CP Tech	PWD
	Cerro Gordo	Clear Lake	Yohn Ready Mix	CTRE/CP Tech	PWD
	Cerro Gordo	Mason City	Cerro Gordo Co.	CTRE/CP Tech	PWD
		,			PWD
	Cerro Gordo	Mason City	City of Mason City	CTRE/CP Tech	
	Cerro Gordo	Mason City	lowa DOT	CTRE/CP Tech	PWD
	Cerro Gordo	Mason City	Iowa DOT District 2	CTRE/CP Tech	PWD
	Cerro Gordo	Mason City	Ryken Engineering	CTRE/CP Tech	PWD
	Cerro Gordo	Mason City	WHKS & Co.	CTRE/CP Tech	PWD
	Cerro Gordo	Mason City	Yaggy Colby Associates	CTRE/CP Tech	PWD
	Cerro Gordo	Mason City	Innovative Growers LLC	CCUR	FAC
	Cerro Gordo	Thornton Magaz City	Niman Ranch	SEU - CDFIN	TAC
	Cerro Gordo	Mason City	Campbell Industries	CCUR	TAC
	Cerro Gordo	Mason City	Mercy Medical Center	Dietetics Internship faculty 6/	
	Cerro Gordo	Thornton	Niman Ranch	David Stender	BAC
	Cerro Gordo	Clear Lake	Administrator	CRP	TCOM
	Cerro Gordo	Clear Lake	Administrator	Extension CED, CRP Extension	TCOM
	Cerro Gordo	Mason City	Mason City Economic Development Corporation  NIACC John Pappajohn Entrepreneurial Center	OIPTT	BCOM BCOM
	Cerro Gordo Cerro Gordo	Mason City Mason City	NIACC John Pappajohn Entrepreneurial Center NIACC John Pappajohn Entrepreneurial Center	OIPTT	FAC
Cerro Gordo County	77				7
	Cherokee	Cherokee	Cherokee	Landscape Architecture, IDRO	ВСОМ
	Cherokee	Cherokee	Advance Foods	Meat Science Extension Organic Ag Program (K.	PWD
				Delate; Agronomy &	T4.0
	Cherokee	Cherokee	American Natural Soy/Spectrum Organics	Horticulture)	TAC
			Tyson Prepared Foods	Meat Science Extension	PWD
	Cherokee	Cherokee			
		Cherokee Cherokee	Cherokee	Landscape Architecture, IDRO	ВСОМ
	Cherokee				TAC
	Cherokee Cherokee	Cherokee	Cherokee	IDRO	
	Cherokee Cherokee	Cherokee Cherokee	Cherokee Valley Vet Center	IDRO David Stender	TAC
	Cherokee Cherokee Cherokee Cherokee	Cherokee Cherokee Aurelia	Cherokee  Valley Vet Center Sleezer Fertility Center	IDRO David Stender David Stender	TAC BAC

	Cherokee	Cherokee	Cherokee Public Library	ISU Extension	PWD
	Cherokee	Cherokee	Fareway Food Store	ISU Extension	PWD
1	Cherokee	Cherokee	First Cooperative Association	ISU Extension	PWD
	Cherokee	Cherokee	Cherokee Villa	ISU Extension	PWD
	Cherokee	Cherokee	Hy-Vee Food Store	ISU Extension	PWD
	Cherokee	Cherokee	Hy-Vee Warehouse	ISU Extension	PWD
	Cherokee	Cherokee	Lundell Construction Co., Inc	ISU Extension	PWD
			Mental Health Institute	ISU Extension	PWD
	Cherokee	Cherokee		ISU Extension	
	Cherokee	Cherokee	R.J. Thomas Manufacturing		PWD
	Cherokee	Cherokee	Schoon Construction, Inc	ISU Extension	PWD
	Cherokee	Cherokee	Sioux Valley Memorial Hospital	ISU Extension	PWD
	Cherokee	Cherokee	Plymouth Life	ISU Extension	PWD
	Cherokee	Marcus	Marcus-Meridan-Cleghorn Comm School	ISU Extension	PWD
	Cherokee	Quimby	Simonsen Industries, Inc	ISU Extension	PWD
	Cherokee	Cherokee	Bright Beginnings	ISU Extension	PWD
	Cherokee	Cherokee	Cherokee Regional Medical Center	ISU Extension	PWD
			Marcus Bowl	ISU Extension	PWD
	Cherokee	Marcus			
	Cherokee	Cherokee	Dairy Queen	ISU Extension	PWD
	Cherokee	Cherokee	Cherokee Bowling Alley	ISU Extension	PWD
	Cherokee	Cherokee	Little Sioux Laser	ISUE-CIRAS	BAC
!	Cherokee	Marcus	Sand Seed Service Inc	ISUE-CIRAS	TAC
1	Cherokee		24 election officials certified	CED	OCOM
	Cherokee	Cherokee	Bright Beginnings	Family Life Staff	PWD
	Cherokee	Cherokee	Cherokee Bowling Alley	Families Extension	PWD
	Cherokee	Cherokee	Cherokee Regional Medical Center	Families Extension	PWD
	Cherokee	Cherokee	Dairy Queen	Families Extension	PWD
	Cherokee		Emergency Management Agency	Lyon & Osceola Extension	OCOM
	Cherokee	Marcus	Marcus Bowl	Families Extension	PWD
	Cherokee		NW la Developers Coalition	Lyon & Osceola Extension	BCOM
	Cherokee		NW la Developers Coalition	Lyon & Osceola Extension	FAC
	Cherokee		NW la Developers Coalition	Lyon & Osceola Extension	ОСОМ
-	Cherokee	Cherokee	Cherokee Co.	CTRE/CP Tech	PWD
	Cherokee	Cherokee	L and H Engineers	CTRE/CP Tech	PWD
	Cherokee	Cileiokee	L and IT Engineers	CTRE/OF Tech	FVVD
	Cherokee	Cherokee	Cherokee Area Economic Development Corporation	Industry Relations	всом
ļ ·	Cherokee	Cherokee	Cherokee Area Economic Development Corporation	Industry Relations	BCOM
	Cherokee		24 election officials certified	Extension CED	OCOM
	Cherokee		Cherokee County	Extension CED	OCOM
	Cherokee		Cherokee County Auditors	Extension CED	ОСОМ
Cherokee County	48		encroked deality Additions	EXICIOIOTI CEB	48
Cherokee County	Chickasaw	Fredericksburg	Fredericksburg	Landscape Architecture,	BCOM
<u> </u>	Cilickasaw	redeficksburg	Tredeficksburg	IDRO	DCOW
	01:1	N. 11 .	N. II.		D0014
	Chickasaw	New Hampton	New Hampton	Landscape Architecture, IDRO	ВСОМ
				IPRT Company Assistance-	
<u> </u>			T 74 4 0 0		T10
	Chickasaw	New Hampton	TriMark Corporation	Materials	TAC
	Chickasaw	New Hampton	Sparboe Foods	Meat Science Extension	PWD
<u> </u>	Chickasaw	Fredericksburg	Fredericksburg	Landscape Architecture,	BCOM
				IDDO	
l i				IDRO	
	Chickasaw	New Hampton	New Hampton		BCOM
	Chickasaw	New Hampton	New Hampton	Landscape Architecture,	ВСОМ
	Chickasaw	New Hampton	New Hampton	Landscape Architecture, IDRO	ВСОМ
			'	Landscape Architecture, IDRO Chickasaw County	
	Chickasaw Chickasaw	New Hampton	New Hampton Chickasaw County Planning Commission	Landscape Architecture, IDRO Chickasaw County Extension	ВСОМ
	Chickasaw	county	Chickasaw County Planning Commission	Landscape Architecture, IDRO Chickasaw County Extension Chickasaw County	всом
			'	Landscape Architecture, IDRO Chickasaw County Extension Chickasaw County Extension	
	Chickasaw	county	Chickasaw County Planning Commission  All Saints Hwy committee	Landscape Architecture, IDRO Chickasaw County Extension Chickasaw County	BCOM FAC
	Chickasaw Chickasaw Chickasaw	county	Chickasaw County Planning Commission  All Saints Hwy committee  Chickasaw County New Iowans Committee	Landscape Architecture, IDRO Chickasaw County Extension Chickasaw County Extension Chickasaw County Extension Chickasaw County Extension	BCOM FAC OCOM
	Chickasaw	county  county  county  New Hampton	Chickasaw County Planning Commission  All Saints Hwy committee	Landscape Architecture, IDRO Chickasaw County Extension Chickasaw County Extension Chickasaw County Extension Robert Tigner	BCOM FAC OCOM TAC
	Chickasaw Chickasaw Chickasaw	county	Chickasaw County Planning Commission  All Saints Hwy committee  Chickasaw County New Iowans Committee	Landscape Architecture, IDRO Chickasaw County Extension Chickasaw County Extension Chickasaw County Extension Chickasaw County Extension Robert Tigner ISUE-CIRAS	BCOM FAC OCOM
	Chickasaw Chickasaw Chickasaw Chickasaw	county  county  county  New Hampton	Chickasaw County Planning Commission  All Saints Hwy committee  Chickasaw County New Iowans Committee  dairy farms	Landscape Architecture, IDRO Chickasaw County Extension Chickasaw County Extension Chickasaw County Extension Robert Tigner	BCOM FAC OCOM TAC
	Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw	county  county  county  New Hampton  Fredericksburg  New Hampton	Chickasaw County Planning Commission  All Saints Hwy committee  Chickasaw County New Iowans Committee dairy farms Aveka Manufacturing	Landscape Architecture, IDRO Chickasaw County Extension Chickasaw County Extension Chickasaw County Extension Chickasaw County Extension Robert Tigner ISUE-CIRAS CTRE/CP Tech	BCOM FAC OCOM TAC TAC
	Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw	county county county New Hampton Fredericksburg	Chickasaw County Planning Commission  All Saints Hwy committee  Chickasaw County New Iowans Committee  dairy farms  Aveka Manufacturing  Chickasaw Co.	Landscape Architecture, IDRO Chickasaw County Extension Chickasaw County Extension Chickasaw County Extension Chickasaw County Extension Robert Tigner ISUE-CIRAS	BCOM FAC OCOM TAC TAC PWD PWD
Chickasaw County	Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw	county  county  county  New Hampton  Fredericksburg  New Hampton	Chickasaw County Planning Commission  All Saints Hwy committee  Chickasaw County New Iowans Committee dairy farms  Aveka Manufacturing Chickasaw Co. Iowa DOT	Landscape Architecture, IDRO Chickasaw County Extension Chickasaw County Extension Chickasaw County Extension Chickasaw County Extension Robert Tigner ISUE-CIRAS CTRE/CP Tech CTRE/CP Tech	BCOM FAC OCOM TAC TAC PWD PWD 13
Chickasaw County	Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw	county  county  county  New Hampton  Fredericksburg  New Hampton	Chickasaw County Planning Commission  All Saints Hwy committee  Chickasaw County New Iowans Committee dairy farms  Aveka Manufacturing Chickasaw Co. Iowa DOT  Chickasaw County Auditors	Landscape Architecture, IDRO Chickasaw County Extension Chickasaw County Extension Chickasaw County Extension Chickasaw County Extension Robert Tigner ISUE-CIRAS CTRE/CP Tech Extension CED	BCOM  FAC  OCOM TAC TAC PWD PWD  13 OCOM
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Chickasaw County  Chickasaw County	Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw	county county New Hampton Fredericksburg New Hampton New Hampton	Chickasaw County Planning Commission  All Saints Hwy committee  Chickasaw County New Iowans Committee dairy farms  Aveka Manufacturing Chickasaw Co. Iowa DOT  Chickasaw County Auditors Silos & Smokestacks National Heritage Area  Clark Comm School	Landscape Architecture, IDRO Chickasaw County Extension Chickasaw County Extension Chickasaw County Extension Robert Tigner ISUE-CIRAS CTRE/CP Tech Extension CED Extension CED McNay Research Farm, ISU	BCOM  FAC  OCOM TAC TAC PWD PWD 13 OCOM OCOM 2 OCOM
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Chickasaw County  Chickasaw County	Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Clarke	county county county New Hampton Fredericksburg New Hampton New Hampton Osceola Osceola Osceola Osceola Osceola Osceola	Chickasaw County Planning Commission  All Saints Hwy committee  Chickasaw County New Iowans Committee  dairy farms  Aveka Manufacturing  Chickasaw Co.  Iowa DOT  Chickasaw County Auditors  Silos & Smokestacks National Heritage Area  Clark Comm School  Clarke County Development Corporation  Clarke County Development Corporation  Nex-Gen Biofuels, Inc.  Multi-State Regional Development  Renew Rural Iowa  Rural Development Resource Center  Rural Development Resource Center: Grow Iowa  Fund; Wallace Fund; Southwest Iowa Coalition  Clarke County - VITA site  Southern Hills Winery	Landscape Architecture, IDRO Chickasaw County Extension Chickasaw County Extension Chickasaw County Extension Robert Tigner ISUE-CIRAS CTRE/CP Tech CTRE/CP Tech Extension CED Extension CED McNay Research Farm, ISU OIPTT College of Engineering Extension CED	BCOM FAC OCOM TAC TAC PWD PWD 13 OCOM OCOM 2 OCOM BCOM BCOM BCOM BAC FAC FAC FAC FAC BAC/TCOM/FAC/ BCOM OCOM TAC, BAC
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Chickasaw County  Chickasaw County	Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Chickasaw Clarka Clarke	county county County New Hampton Fredericksburg New Hampton New Hampton Osceola Osceola Osceola Osceola Osceola Osceola Osceola Osceola Osceola Osceola Osceola Osceola Osceola	Chickasaw County Planning Commission  All Saints Hwy committee  Chickasaw County New Iowans Committee dairy farms  Aveka Manufacturing Chickasaw Co. Iowa DOT  Chickasaw County Auditors Silos & Smokestacks National Heritage Area  Clark Comm School Clarke County Development Corporation Clarke County Development Corporation Nex-Gen Biofuels, Inc. Multi-State Regional Development Renew Rural Iowa Rural Development Resource Center Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition Clarke County - VITA site  Southern Hills Winery Clarke County - VITA site Aschan Trucking Clarke County Development Corporation	Landscape Architecture, IDRO Chickasaw County Extension Chickasaw County Extension Chickasaw County Extension Chickasaw County Extension Robert Tigner ISUE-CIRAS CTRE/CP Tech CTRE/CP Tech Extension CED Extension CED  McNay Research Farm, ISU OIPTT College of Engineering Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Isuerion CED Extension CED Isuerion CED Extension CED Isuerion CED	BCOM FAC OCOM TAC TAC PWD PWD 13 OCOM OCOM 2 OCOM BCOM BCOM BCOM BCOM BCOM BCOM BCOM
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	Clarke		Great Western Bank - Osceola	Extension CED	FAC/ BCOM
	Clarke		Rural Development Summit Southwest Iowa Coalition	Extension CED	FAC FAC
	Clarke Clarke		Zoning Official	Extension CED Extension CED, CRP	TCOM
	Clarke		Zoning Onicial	Extension CED, CRP	TCOM
Clarke County	1	9		Extension	
olarite county	Clay	Spencer	Iowa Aerospace Systems	OIPTT	FAC
	Clay	Spencer	Iowa Aerospace Systems, Inc.	College of Engineering	BAC
	Clay	Spencer	Iowa Lakes Corridor Region	College of Engineering	BCOM
	Clay	Spencer	Northwest Iowa Regional Planning Commission	College of Engineering	ВСОМ
	Clay	Spencer	CAI Students	Crop Advisor Institute	PWD
	-			Brenton Ctr for Ag	
	Clay	Spencer	Distance Education Students = 1	Instruction	PWD
	Clay	Peterson	Peterson	Extension CED	OCOM
	Clay	Spencer	NPMA-Council Bluffs	Extension CED	PWD
	Clay	Spencer	Spencer	Extension CED	ТСОМ
	Clay	Webb	Webb	Extension CED	OCOM
	Clay		48 election officials certified	Extension CED	OCOM
	Clay		Livestock producers and regulators	Extension CED	TCOM
	Clay	Spencer	Spencer Ag Center	David Stender	BAC, TAC
	Clay	Spencer	City of Spencer	ISU Extension	PWD
	Clay	Spencer	Eaton Corporation	ISU Extension	PWD
	Clay	Spencer	KICD/CD 107.7 Radio Station	ISU Extension	PWD
	Clay	Spencer	Spencer Hospital	ISU Extension	PWD
	Clay	Spencer	Spencer YMCA	ISU Extension	PWD
	Clay		Event in Clay County	ISUE-CIRAS	PWD
	Clay	Spencer	Tecton Industries Inc	ISUE-CIRAS	TAC
·	Clay		48 election officials certified	CED	OCOM
	Clay	Spencer	Spencer YMCA	Family Life Staff	PWD
	Clay	Spencer	Clay Co.	CTRE/CP Tech	PWD
	Clay	Spencer	Eaton Corporation	College of Business	BAC
	Clay		Clay County Auditors	Extension CED	OCOM
	Clay		Clay County	Extension CED	TCOM
	Clay		County Local Housing Trust Fund	Extension CED	TCOM
Clay Countyy	2				
	Clayton	Guttenberg	Guttenberg	Landscape Architecture, IDRO	BCOM
	Clayton	Monona	Monona	Landscape Architecture, IDRO	ВСОМ
	Clayton	Strawberry Point	Strawberry Point	Landscape Architecture, IDRO	ВСОМ
	Clayton	Upper Explorerland	Building & Zoning	CRP	тсом
	Clayton	Volga	Volga	Landscape Architecture,	BCOM
	,	3"	3.0	IDRO	
				IPRT Company Assistance-	
	Clayton	Elkader	E-Ject Systems Engineering	Materials	TAC
				IPRT Company Assistance-	
				Technology	
	Clayton	Elkader	Reference LLC	Commercialization	TT
				Brenton Ctr for Ag	
	Clayton	Monona	Distance Education Students = 10	Instruction	PWD
	Clayton	Edgewood	Edgewood Locker	Meat Science Extension	PWD
	Clayton	Guttenberg	Guttenberg	Landscape Architecture,	
					BCOM
				IDRO	BCOM
	Clayton	Guttenberg	NE Iowa Community Development Conference		BCOM FAC
	Clayton	Guttenberg	Nex-Gen Biofuels, Inc.	IDRO Extension CED Extension CED	FAC BAC
				IDRO Extension CED	FAC
	Clayton	Guttenberg	Nex-Gen Biofuels, Inc.	IDRO Extension CED Extension CED Extension CED Extension CED Landscape Architecture,	FAC BAC
	Clayton Clayton Clayton	Guttenberg Marquette Monona	Nex-Gen Biofuels, Inc. Nex-Gen Biofuels, Inc. Monona	IDRO Extension CED Extension CED Extension CED Extension CED Landscape Architecture, IDRO	FAC BAC BAC BCOM
	Clayton Clayton Clayton Clayton	Guttenberg Marquette Monona Monona	Nex-Gen Biofuels, Inc. Nex-Gen Biofuels, Inc. Monona  NE Iowa Community Development Conference	IDRO Extension CED Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED	FAC BAC BAC BCOM
	Clayton Clayton Clayton Clayton Clayton Clayton	Guttenberg Marquette Monona Monona Postville	Nex-Gen Biofuels, Inc. Nex-Gen Biofuels, Inc. Monona  NE Iowa Community Development Conference NE Iowa Community Development Conference	IDRO Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED	FAC BAC BAC BCOM FAC FAC
	Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton	Guttenberg Marquette Monona  Monona  Postville Postville	Nex-Gen Biofuels, Inc. Nex-Gen Biofuels, Inc. Monona  NE Iowa Community Development Conference NE Iowa Community Development Conference Nex-Gen Biofuels, Inc.	IDRO Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED	FAC BAC BCOM FAC FAC BAC
	Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton	Guttenberg Marquette Monona Monona Postville Postville Strawberry Point	Nex-Gen Biofuels, Inc. Nex-Gen Biofuels, Inc. Monona  NE Iowa Community Development Conference NE Iowa Community Development Conference Nex-Gen Biofuels, Inc. NE Iowa Community Development Conference	IDRO Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED	FAC BAC BCOM FAC BAC BAC FAC BAC
	Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton	Guttenberg Marquette Monona  Monona  Postville Postville	Nex-Gen Biofuels, Inc. Nex-Gen Biofuels, Inc. Monona  NE Iowa Community Development Conference NE Iowa Community Development Conference Nex-Gen Biofuels, Inc.	IDRO Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED	FAC BAC BCOM FAC FAC BAC
	Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton	Guttenberg Marquette Monona Monona Postville Postville Strawberry Point	Nex-Gen Biofuels, Inc. Nex-Gen Biofuels, Inc. Monona  NE Iowa Community Development Conference NE Iowa Community Development Conference Nex-Gen Biofuels, Inc. NE Iowa Community Development Conference	IDRO Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Landscape Architecture, Landscape Architecture,	FAC BAC BCOM FAC BAC BAC FAC BAC
	Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton	Guttenberg Marquette Monona  Monona Postville Postville Strawberry Point Strawberry Point	Nex-Gen Biofuels, Inc. Nex-Gen Biofuels, Inc. Monona  NE Iowa Community Development Conference NE Iowa Community Development Conference Nex-Gen Biofuels, Inc. NE Iowa Community Development Conference Strawberry Point	IDRO Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED Landscape Architecture, IDRO	FAC BAC BCOM FAC FAC BAC BCOM FAC BAC BAC
	Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton	Guttenberg Marquette Monona  Monona Postville Postville Strawberry Point Strawberry Point	Nex-Gen Biofuels, Inc. Nex-Gen Biofuels, Inc. Monona  NE Iowa Community Development Conference NE Iowa Community Development Conference Nex-Gen Biofuels, Inc. NE Iowa Community Development Conference Strawberry Point	IDRO Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED, CRP Extension Landscape Architecture, Lore CED, CRP Extension Landscape Architecture, Landscape Architecture, Landscape Architecture,	FAC BAC BCOM FAC FAC BAC BCOM FAC BAC BAC
	Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton	Guttenberg Marquette Monona  Monona Postville Postville Strawberry Point Strawberry Point Upper Explorerland	Nex-Gen Biofuels, Inc. Nex-Gen Biofuels, Inc. Monona  NE Iowa Community Development Conference NE Iowa Community Development Conference Nex-Gen Biofuels, Inc. NE Iowa Community Development Conference Strawberry Point  Building & Zoning	IDRO Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED Landscape Architecture, IDRO Extension CED, CRP Extension CED, CRP Extension CED, CRP COUNTY CED	FAC BAC BCOM FAC BAC BCOM  FAC BAC BAC BCOM TCOM
	Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton	Guttenberg Marquette Monona  Monona Postville Postville Strawberry Point Strawberry Point Upper Explorerland	Nex-Gen Biofuels, Inc. Nex-Gen Biofuels, Inc. Monona  NE Iowa Community Development Conference NE Iowa Community Development Conference Nex-Gen Biofuels, Inc. NE Iowa Community Development Conference Strawberry Point  Building & Zoning  Volga  NE Iowa Food & Farm Coalition	IDRO Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED, CRP Extension Landscape Architecture, IDRO CD-DIAL - Sociology Extension	FAC BAC BCOM  FAC FAC BAC BCOM  TCOM  BCOM  BAC
	Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton Clayton	Guttenberg Marquette Monona  Monona Postville Postville Strawberry Point Strawberry Point Upper Explorerland	Nex-Gen Biofuels, Inc. Nex-Gen Biofuels, Inc. Monona  NE Iowa Community Development Conference NE Iowa Community Development Conference Nex-Gen Biofuels, Inc. NE Iowa Community Development Conference Strawberry Point  Building & Zoning  Volga  NE Iowa Food & Farm Coalition  Silos & Smokestacks National Heritage Area	IDRO Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED, CRP Extension Landscape Architecture, IDRO CD-DIAL - Sociology Extension Extension Extension Extension Extension Extension	FAC BAC BCOM FAC FAC BAC BCOM TCOM BCOM BCOM BCOM
	Clayton Clayton	Guttenberg Marquette Monona  Monona Postville Postville Strawberry Point Strawberry Point Upper Explorerland	Nex-Gen Biofuels, Inc. Nex-Gen Biofuels, Inc. Monona  NE Iowa Community Development Conference NE Iowa Community Development Conference Nex-Gen Biofuels, Inc. NE Iowa Community Development Conference Strawberry Point Building & Zoning  Volga  NE Iowa Food & Farm Coalition  Silos & Smokestacks National Heritage Area Northeast Iowa Food & Farm Coalition	IDRO Extension CED Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED, CRP Extension Landscape Architecture, IDRO CD-DIAL - Sociology Extension Extension CED Clayton County Extension	FAC BAC BAC BCOM  FAC FAC BAC FAC BAC FAC BAC FAC BAC FAC BCOM  TCOM  BCOM  BCOM  BCOM  BCOM  BCOM
	Clayton Clayton	Guttenberg Marquette Monona  Monona Postville Postville Strawberry Point Strawberry Point Upper Explorerland  Volga	Nex-Gen Biofuels, Inc. Nex-Gen Biofuels, Inc. Monona  NE Iowa Community Development Conference NE Iowa Community Development Conference Nex-Gen Biofuels, Inc. NE Iowa Community Development Conference Strawberry Point  Building & Zoning  Volga  NE Iowa Food & Farm Coalition  Silos & Smokestacks National Heritage Area Northeast Iowa Food & Fitness Initiative	IDRO Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED, CRP Extension CED, CRP Extension Landscape Architecture, IDRO CD-DIAL - Sociology Extension Extension CED Clayton County Extension Clayton County Extension	FAC BAC BCOM  FAC BAC BCOM  FAC BAC BAC BAC BAC BAC BAC BAC BAC BCOM  BCOM  BCOM BCOM BCOM BCOM BCOM
	Clayton Clayton	Guttenberg Marquette Monona  Monona Postville Postville Strawberry Point Strawberry Point Upper Explorerland	Nex-Gen Biofuels, Inc. Nex-Gen Biofuels, Inc. Monona  NE Iowa Community Development Conference NE Iowa Community Development Conference Nex-Gen Biofuels, Inc. NE Iowa Community Development Conference Strawberry Point  Building & Zoning  Volga  NE Iowa Food & Farm Coalition  Silos & Smokestacks National Heritage Area Northeast Iowa Food & Firness Initiative dairy farms	IDRO Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED, CRP Extension Landscape Architecture, IDRO CD-DIAL - Sociology Extension Extension CED Clayton County Extension Clayton County Extension Robert Tigner	FAC BAC BCOM FAC FAC FAC BCOM TCOM BCOM BCOM BCOM TAC
	Clayton Clayton	Guttenberg Marquette Monona  Monona Postville Postville Strawberry Point Strawberry Point Upper Explorerland Volga  Garnavillo	Nex-Gen Biofuels, Inc. Nex-Gen Biofuels, Inc. Monona  NE Iowa Community Development Conference NE Iowa Community Development Conference Nex-Gen Biofuels, Inc. NE Iowa Community Development Conference Strawberry Point  Building & Zoning  Volga  NE Iowa Food & Farm Coalition  Silos & Smokestacks National Heritage Area Northeast Iowa Food & Fitness Initiative dairy farms Event in Clayton County	IDRO Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED, CRP Extension Landscape Architecture, IDRO CD-DIAL - Sociology Extension Extension CED Clayton County Extension Clayton County Extension Robert Tigner ISUE-CIRAS	FAC BAC BCOM  FAC FAC BAC BCOM  FAC BAC BCOM  COM BCOM BCOM BCOM BCOM BCOM BCO
	Clayton Clayton	Guttenberg Marquette Monona  Monona Postville Postville Strawberry Point Strawberry Point Upper Explorerland Volga  Garnavillo  Elkader	Nex-Gen Biofuels, Inc. Nex-Gen Biofuels, Inc. Monona  NE Iowa Community Development Conference NE Iowa Community Development Conference Nex-Gen Biofuels, Inc. NE Iowa Community Development Conference Strawberry Point  Building & Zoning  Volga  NE Iowa Food & Farm Coalition  Silos & Smokestacks National Heritage Area Northeast Iowa Food & Fitness Initiative dairy farms Event in Clayton County Reference, LLC	IDRO Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED, CRP Extension Extension CED, CRP Extension CED, CRP Extension Landscape Architecture, IDRO CD-DIAL - Sociology Extension Extension CED Clayton County Extension Clayton County Extension Robert Tigner ISUE-CIRAS ISUE-CIRAS	FAC BAC BAC BCOM  FAC BAC BAC BAC BAC BAC BAC BAC BAC BAC B
	Clayton Clayton	Guttenberg Marquette Monona  Monona Postville Postville Strawberry Point Strawberry Point Volga  Garnavillo  Elkader Monona	Nex-Gen Biofuels, Inc. Nex-Gen Biofuels, Inc. Monona  NE Iowa Community Development Conference NE Iowa Community Development Conference Nex-Gen Biofuels, Inc. NE Iowa Community Development Conference Strawberry Point  Building & Zoning  Volga  NE Iowa Food & Farm Coalition  Silos & Smokestacks National Heritage Area Northeast Iowa Food & Fitness Initiative dairy farms Event in Clayton County Reference, LLC  M's Machine and Manufacturing Co	IDRO Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED, CRP Extension Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CD-DIAL - Sociology Extension Extension CED Clayton County Extension Clayton County Extension Robert Tigner ISUE-CIRAS ISUE-CIRAS	FAC BAC BAC BCOM  FAC BAC BCOM  FAC BAC BCOM  TCOM  BCOM BCOM BCOM BCOM BCOM TAC FAC BAC BCOM TAC FAC FAC BAC BCOM BCOM BCOM BCOM BCOM BCOM BCOM BCO
	Clayton Clayton	Guttenberg Marquette Monona  Monona Postville Postville Strawberry Point Strawberry Point Upper Explorerland Volga  Garnavillo  Elkader Monona Monona	Nex-Gen Biofuels, Inc. Nex-Gen Biofuels, Inc. Monona  NE Iowa Community Development Conference NE Iowa Community Development Conference Nex-Gen Biofuels, Inc. NE Iowa Community Development Conference Strawberry Point  Building & Zoning  Volga  NE Iowa Food & Farm Coalition  Silos & Smokestacks National Heritage Area Northeast Iowa Food & Firne Coalition Northeast Iowa Food & Fitness Initiative dairy farms Event in Clayton County Reference, LLC M's Machine and Manufacturing Co Monona Wire Corp	IDRO Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED, CRP Extension Landscape Architecture, IDRO CD-DIAL - Sociology Extension Extension CED Clayton County Extension Robert Tigner ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	FAC BAC BAC BCOM  FAC BAC BCOM  FAC BAC BCOM  TCOM  BCOM BCOM BCOM BCOM BCOM TAC FAC BAC TAC TAC
	Clayton Clayton	Guttenberg Marquette Monona  Monona Postville Postville Strawberry Point Strawberry Point Upper Explorerland  Volga  Garnavillo  Elkader Monona Monona Monona	Nex-Gen Biofuels, Inc. Nex-Gen Biofuels, Inc. Monona  NE Iowa Community Development Conference NE Iowa Community Development Conference Nex-Gen Biofuels, Inc. NE Iowa Community Development Conference Strawberry Point  Building & Zoning  Volga  NE Iowa Food & Farm Coalition  Silos & Smokestacks National Heritage Area Northeast Iowa Food & Farm Coalition  Northeast Iowa Food & Fitness Initiative dairy farms Event in Clayton County Reference, LLC M's Machine and Manufacturing Co Monona Wire Corp M's Machine and Manufacturing Co	IDRO Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED, CRP Extension Landscape Architecture, IDRO CD-DIAL - Sociology Extension Extension CED Clayton County Extension Clayton County Extension Robert Tigner ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	FAC BAC BAC BCOM  FAC FAC BAC BCOM  FAC BAC BCOM  TCOM  BCOM BCOM BCOM BCOM BCOM BCOM BCOM
	Clayton Clayton	Guttenberg Marquette Monona  Monona Postville Postville Strawberry Point Strawberry Point Upper Explorerland Volga  Garnavillo  Elkader Monona Monona Elkader	Nex-Gen Biofuels, Inc. Nex-Gen Biofuels, Inc. Monona  NE Iowa Community Development Conference NE Iowa Community Development Conference Nex-Gen Biofuels, Inc. NE Iowa Community Development Conference Strawberry Point  Building & Zoning  Volga  NE Iowa Food & Farm Coalition  Silos & Smokestacks National Heritage Area Northeast Iowa Food & Fitness Initiative dairy farms Event in Clayton County Reference, LLC M's Machine and Manufacturing Co Monona Wire Corp M's Machine and Manufacturing Co Clayton Co.	IDRO Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED, CRP Extension Landscape Architecture, IDRO CD-DIAL - Sociology Extension CED Clayton County Extension Clayton County Extension Robert Tigner ISUE-CIRAS	FAC BAC BAC BCOM  FAC FAC BAC BCOM  FAC BAC FAC BAC FAC BCOM  TCOM  BCOM BCOM BCOM BCOM BCOM BCOM BCOM
	Clayton Clayton	Guttenberg Marquette Monona  Monona Postville Postville Strawberry Point Strawberry Point Volga  Garnavillo  Elkader Monona Monona Monona Monona Elkader Elkader Elkader	Nex-Gen Biofuels, Inc. Nex-Gen Biofuels, Inc. Monona  NE Iowa Community Development Conference NE Iowa Community Development Conference Nex-Gen Biofuels, Inc. NE Iowa Community Development Conference Strawberry Point  Building & Zoning  Volga  NE Iowa Food & Farm Coalition  Silos & Smokestacks National Heritage Area Northeast Iowa Food & Fitness Initiative dairy farms Event in Clayton County Reference, LLC M's Machine and Manufacturing Co Monona Wire Corp M's Machine and Manufacturing Co Clayton Co. Engineers	IDRO Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED, CRP Extension Extension CED, CRP Extension CED, CRP Extension CD-DIAL - Sociology Extension CED Clayton County Extension Clayton County Extension Robert Tigner ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech CTRE/CP Tech	FAC BAC BAC BCOM  FAC FAC BAC BCOM  FAC BAC BCOM  TCOM  BCOM BCOM BCOM BCOM TAC FAC FAC BAC BCOM BCOM BCOM BCOM BCOM BCOM BCOM BCO
	Clayton Clayton	Guttenberg Marquette Monona  Monona Postville Postville Strawberry Point Strawberry Point Upper Explorerland Volga  Garnavillo  Elkader Monona Monona Elkader	Nex-Gen Biofuels, Inc. Nex-Gen Biofuels, Inc. Monona  NE Iowa Community Development Conference NE Iowa Community Development Conference Nex-Gen Biofuels, Inc. NE Iowa Community Development Conference Strawberry Point  Building & Zoning  Volga  NE Iowa Food & Farm Coalition  Silos & Smokestacks National Heritage Area Northeast Iowa Food & Fitness Initiative dairy farms Event in Clayton County Reference, LLC M's Machine and Manufacturing Co Monona Wire Corp M's Machine and Manufacturing Co Clayton Co.	IDRO Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Landscape Architecture, IDRO Extension CED, CRP Extension Landscape Architecture, IDRO CD-DIAL - Sociology Extension CED Clayton County Extension Clayton County Extension Robert Tigner ISUE-CIRAS	FAC BAC BAC BCOM  FAC FAC BAC BCOM  FAC BAC FAC BAC FAC BCOM  TCOM  BCOM BCOM BCOM BCOM BCOM BCOM BCOM

	Clayton	Edgewood	Edgewood	Landscape Architecture, IDRO	ВСОМ
	Clayton	Buena Vista	Board/Supervisor	CRP	TCOM
	Clayton	Buena Vista	Board/Supervisor	Extension CED, CRP	TCOM
	01 1	01 1		Extension	T0011
	Clayton	Clayton	Administrator	CRP	TCOM
	Clayton	Elkader	Chairman, Planning & Zoning Committee	CRP	TCOM TCOM
	Clayton	Clayton	Administrator	Extension CED, CRP Extension	
	Clayton	Elkader	Clayton County Secondary Roads	Extension CED	PWD
	Clayton	Elkader	NE Iowa Community Development Conference	Extension CED	FAC
	Clayton		NE Iowa Community Development Conference	Extension CED	FAC
Clayton Countyy	44		0. 11.0	OUDTT	44
	Clinton	Clinton	StarrMatica	OIPTT	BAC BCOM
	Clinton	Lost Nation	Lost Nation	Landscape Architecture, IDRO	BCOW
	Oli 1	<b>.</b>	Manual disco	Center for Nondestructive	TAO
	Clinton	Dewitt	Magnaflux	Evaluation, IPRT	TAC
	Clinton	Lost Nation	Lost Nation	Landscape Architecture, IDRO	ВСОМ
	Clinton		Silos & Smokestacks National Heritage Area	Extension CED	OCOM
	Clinton	Clinton	City of Clinton - Trend Meeting	County Extension	FAC
	Clinton	DeWitt	City of DeWitt - Trend Meeting	County Extension	FAC
	Clinton	Clinton	Horticulture in the Heartland	County Extension	FAC
	Clinton	Clinton	Applebee's	ISU Extension	PWD
	Clinton	Clinton	Aeroflow Coating	ISUE-CIRAS	BAC
	Clinton	De Witt	JRB Co Inc	ISUE-CIRAS	TAC
	Clinton	Clinton	Air Control Inc	ISUE-CIRAS	TAC
	Clinton	Clinton	Bemis Clysar Inc	ISUE-CIRAS	TAC
	Clinton	Clinton	City of Clinton	CTRE/CP Tech	PWD
	Clinton	Clinton	Archer Daniels Midland Company	Industry Relations	TAC
	Clinton	Clinton	Zoning Commission	CRP	TCOM
	Clinton	DeWitt	Planning & Zoning	CRP	TCOM
	Clinton	Clinton	Zoning Commission	Extension CED, CRP Extension	ТСОМ
	Clinton	DeWitt	DeWitt	Extension CED	TCOM
	Clinton	DeWitt	Planning & Zoning	Extension CED, CRP Extension	ТСОМ
	Clinton	DeWitt	Farm Credit Services	CEED	BAC
	Clinton	Clinton	Mercy Medical Center	Extension CED	PWD
	Clinton	Clinton	See Life Clearly Foundation	Extension CED	PWD
	Clinton		Clinton County Auditors	Extension CED	OCOM
	Clinton		Extension Council	Extension CED	FAC
Clinton Countyy	25				25
Clinton Countyy	Crawford	Denison	Agren	College of Business	FAC
Clinton Countyy			Agren Denison Foods	Meat Science Extension	
Clinton Countyy	Crawford	Denison		Meat Science Extension Brenton Ctr for Ag Instruction	FAC
Clinton Countyy	Crawford Crawford Crawford	Denison Denison Denison	Denison Foods Distance Education Students = 1	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag	FAC PWD PWD
Clinton Countyy	Crawford Crawford Crawford Crawford	Denison Denison Denison Vail	Denison Foods  Distance Education Students = 1  Distance Education Students = 1	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction	PWD PWD
Clinton Countyy	Crawford Crawford Crawford Crawford Crawford Crawford	Denison Denison  Denison  Vail Denison	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension	PWD PWD PWD
Clinton Countyy	Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford	Denison Denison  Denison  Vail Denison Denison Denison	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods City of Denison/Denison Housing Authority	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED	PWD PWD PWD BCOM
Clinton Countyy	Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford	Denison Denison  Vail Denison Denison Denison Denison Denison	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods City of Denison/Denison Housing Authority Denison	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED Extension CED	FAC PWD PWD PWD BCOM TCOM
Clinton Countyy	Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford	Denison Denison  Denison  Vail Denison Denison Denison	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods  City of Denison/Denison Housing Authority  Denison  Grow Iowa	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED Extension CED Extension CED	PWD PWD PWD BCOM BCOM
Clinton Countyy	Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford	Denison Denison  Vail Denison Denison Denison Denison Denison	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods City of Denison/Denison Housing Authority Denison Grow Iowa Crawford County	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED	PWD PWD PWD BCOM TCOM BCOM PWD
Clinton Countyy	Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford	Denison Denison  Vail Denison Denison Denison Denison Denison	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods  City of Denison/Denison Housing Authority  Denison  Grow Iowa	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED	PWD PWD PWD BCOM BCOM
Clinton Countyy	Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford	Denison Denison  Vail Denison Denison Denison Denison Denison Denison	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods City of Denison/Denison Housing Authority Denison Grow Iowa Crawford County Crawford County	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Darrell Busby SW IA Beef	FAC PWD PWD PWD BCOM TCOM BCOM PWD PWD
Clinton Countyy	Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford	Denison Denison  Vail Denison Denison Denison Denison Denison	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods City of Denison/Denison Housing Authority Denison Grow Iowa Crawford County	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED	PWD PWD PWD BCOM TCOM BCOM PWD
Clinton Countyy	Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford	Denison Denison  Vail Denison Denison Denison Denison Denison Denison Denison Denison	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods City of Denison/Denison Housing Authority Denison Grow Iowa Crawford County Crawford County  Tyson Fresh Meats	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED Extension CED Extension CED Extension CED Extension CED Darrell Busby SW IA Beef Speciallist Darrell Busby SW IA Beef	PWD PWD PWD BCOM PWD BCOM PWD BCOM BCOM PWD BAC
Clinton Countyy	Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford	Denison Denison  Denison  Vail Denison Denison Denison Denison Denison Denison Denison Denison	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods City of Denison/Denison Housing Authority Denison Grow Iowa Crawford County Crawford County  Tyson Fresh Meats  Amazing Energy	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Darrell Busby SW IA Beef Speciallist	PWD PWD BCOM TCOM BCOM PWD PWD BAC BAC
Clinton Countyy	Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford Crawford	Denison Denison  Denison  Vail Denison Denison Denison Denison Denison Denison Denison Denison Denison	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods City of Denison/Denison Housing Authority Denison Grow Iowa Crawford County Crawford County  Tyson Fresh Meats  Amazing Energy Hugg Manufacturing Inc.	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED Extension CED Extension CED Extension CED Extension CED Darrell Busby SW IA Beef Speciallist Darrell Busby SW IA Beef Speciallist ISUE-CIRAS	FAC PWD PWD PWD BCOM TCOM BCOM PWD PWD BAC BAC TAC
Clinton Countyy	Crawford Crawford	Denison Denison  Denison  Vail Denison Denison Denison Denison Denison Denison  Denison  Denison  Denison  Denison	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods  City of Denison/Denison Housing Authority Denison  Grow Iowa  Crawford County  Crawford County  Tyson Fresh Meats  Amazing Energy Hugg Manufacturing Inc.  Bohlmann Inc	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED Extens	FAC PWD PWD PWD BCOM TCOM BCOM PWD PWD BAC BAC TAC BAC
Clinton Countyy	Crawford Crawford  Crawford  Crawford  Crawford	Denison Denison  Denison  Vail Denison Denison Denison Denison Denison Denison Denison Denison Denison	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods City of Denison/Denison Housing Authority Denison Grow Iowa Crawford County Crawford County  Tyson Fresh Meats  Amazing Energy Hugg Manufacturing Inc. Bohlmann Inc City of Denison/Denison Housing Authority	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED Extension CED Extension CED Extension CED Extension CED Darrell Busby SW IA Beef Speciallist Darrell Busby SW IA Beef Speciallist ISUE-CIRAS ISUE-CIRAS Communities	FAC PWD PWD PWD BCOM TCOM BCOM PWD PWD BAC BAC BAC BAC BAC BCOM
Clinton Countyy	Crawford Crawford	Denison Denison  Denison  Vail Denison Denison Denison Denison Denison Denison  Denison  Denison  Denison  Denison	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods  City of Denison/Denison Housing Authority Denison  Grow Iowa  Crawford County  Crawford County  Tyson Fresh Meats  Amazing Energy Hugg Manufacturing Inc.  Bohlmann Inc	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED Extension CED Extension CED Extension CED Extension CED Darrell Busby SW IA Beef Speciallist Darrell Busby SW IA Beef Speciallist ISUE-CIRAS ISUE-CIRAS Communities CTRE/CP Tech	FAC PWD PWD PWD BCOM TCOM BCOM PWD PWD BAC BAC TAC BAC
Clinton Countyy	Crawford Crawford	Denison Denison  Denison  Vail Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods City of Denison/Denison Housing Authority Denison Grow Iowa Crawford County Crawford County  Tyson Fresh Meats  Amazing Energy Hugg Manufacturing Inc. Bohlmann Inc City of Denison/Denison Housing Authority Crawford Co.	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED Extension CED Extension CED Extension CED Extension CED Darrell Busby SW IA Beef Speciallist Darrell Busby SW IA Beef Speciallist ISUE-CIRAS ISUE-CIRAS Communities CTRE/CP Tech Western Research Farm,	FAC PWD PWD PWD BCOM TCOM BCOM PWD PWD BAC BAC TAC BAC BCOM PWD
Clinton Countyy	Crawford Crawford	Denison Denison  Denison  Vail Denison Denison Denison Denison Denison Denison Denison Denison Denison	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods  City of Denison/Denison Housing Authority  Denison  Grow lowa  Crawford County  Crawford County  Tyson Fresh Meats  Amazing Energy  Hugg Manufacturing Inc.  Bohlmann Inc  City of Denison/Denison Housing Authority  Crawford Co.  Charter Oak/Ute Comm School	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension Sed Extension CED Extens	FAC PWD PWD PWD BCOM TCOM BCOM PWD PWD BAC BAC BAC BAC BAC BCOM PWD OCOM
Clinton Countyy	Crawford Crawford	Denison Denison  Denison  Vail Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods City of Denison/Denison Housing Authority Denison Grow Iowa Crawford County  Tyson Fresh Meats  Amazing Energy Hugg Manufacturing Inc. Bohlmann Inc City of Denison/Denison Housing Authority Crawford Co.  Charter Oak/Ute Comm School Rural Development Resource Center	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED Extension CED Extension CED Extension CED Darrell Busby SW IA Beef Specialiist Darrell Busby SW IA Beef Specialist Specialist ISUE-CIRAS ISUE-CIRAS Communities CTRE/CP Tech Western Research Farm, ISU Extension CED	FAC PWD PWD PWD BCOM TCOM BCOM PWD PWD BAC BAC BAC BAC BAC BAC BAC BAC BAC BAC
Clinton Countyy	Crawford Crawford	Denison Denison  Denison  Vail Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods  City of Denison/Denison Housing Authority  Denison  Grow Iowa  Crawford County  Tyson Fresh Meats  Amazing Energy  Hugg Manufacturing Inc.  Bohlmann Inc  City of Denison/Denison Housing Authority  Crawford Co.  Charter Oak/Ute Comm School  Rural Development Resource Center: Grow Iowa  Fund; Wallace Fund; Southwest Iowa Coalition	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED Extension CED Extension CED Extension CED Extension CED Darrell Busby SW IA Beef Speciallist Darrell Busby SW IA Beef Speciallist ISUE-CIRAS ISUE-CIRAS Communities CTRE/CP Tech Western Research Farm, ISU Extension CED Extension CED Extension CED Extension CED	FAC PWD PWD PWD BCOM TCOM BCOM PWD BAC BAC TAC BAC BCOM PWD OCOM FAC BAC/TCOM/FAC/BCOM
Clinton Countyy	Crawford Crawford	Denison Denison  Denison  Vail  Denison Denison Denison Denison  Denison  Denison  Denison  Charter Oak	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods City of Denison/Denison Housing Authority Denison Grow lowa Crawford County Crawford County  Tyson Fresh Meats  Amazing Energy Hugg Manufacturing Inc. Bohlmann Inc City of Denison/Denison Housing Authority Crawford Co.  Charter Oak/Ute Comm School Rural Development Resource Center Rural Development Resource Center: Grow Iowa	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED Extension CED Extension CED Extension CED Darrell Busby SW IA Beef Specialiist Darrell Busby SW IA Beef Specialist Specialist ISUE-CIRAS ISUE-CIRAS Communities CTRE/CP Tech Western Research Farm, ISU Extension CED	FAC PWD PWD PWD BCOM TCOM BCOM PWD PWD BAC BAC TAC BAC BAC BAC BAC BAC BAC BAC BAC BAC B
	Crawford Crawford	Denison Denison  Denison  Vail Denison Denison Denison Denison Denison  Denison  Denison  Denison  Charter Oak	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods  City of Denison/Denison Housing Authority  Denison  Grow Iowa  Crawford County  Tyson Fresh Meats  Amazing Energy  Hugg Manufacturing Inc.  Bohlmann Inc  City of Denison/Denison Housing Authority  Crawford Co.  Charter Oak/Ute Comm School  Rural Development Resource Center: Grow Iowa  Fund; Wallace Fund; Southwest Iowa Coalition	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED Extension CED Extension CED Extension CED Extension CED Darrell Busby SW IA Beef Speciallist Darrell Busby SW IA Beef Speciallist ISUE-CIRAS ISUE-CIRAS Communities CTRE/CP Tech Western Research Farm, ISU Extension CED Extension CED Extension CED Extension CED	FAC PWD PWD PWD BCOM TCOM BCOM PWD PWD BAC BAC TAC BAC BAC BAC BAC BAC BAC BAC BAC BAC B
	Crawford Crawford	Denison Denison  Denison  Vail Denison Denison Denison Denison Denison Denison Denison  Denison  Charter Oak	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods City of Denison/Denison Housing Authority Denison Grow Iowa Crawford County  Tyson Fresh Meats  Amazing Energy Hugg Manufacturing Inc. Bohlmann Inc City of Denison/Denison Housing Authority Crawford Co.  Charter Oak/Ute Comm School Rural Development Resource Center Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition Rural Development Summit	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED Extension CED Extension CED Extension CED Extension CED Darrell Busby SW IA Beef Speciallist Darrell Busby SW IA Beef Specialist ISUE-CIRAS ISUE-CIRAS Communities CTRE/CP Tech Western Research Farm, ISU Extension CED Extension CED Extension CED Extension CED Extension CED	FAC PWD PWD PWD BCOM TCOM BCOM PWD PWD BAC BAC BAC BAC BAC BAC BAC BAC BAC BAC
	Crawford Crawford	Denison Denison  Denison  Vail Denison Denison Denison Denison Denison Denison Denison  Denison  Charter Oak	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods City of Denison/Denison Housing Authority Denison Grow Iowa Crawford County Crawford County  Tyson Fresh Meats  Amazing Energy Hugg Manufacturing Inc. Bohlmann Inc City of Denison/Denison Housing Authority Crawford Co.  Charter Oak/Ute Comm School Rural Development Resource Center Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition Rural Development Summit	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED Extension CED Extension CED Extension CED Extension CED Darrell Busby SW IA Beef Speciallist Darrell Busby SW IA Beef Speciallist ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS Communities CTRE/CP Tech Western Research Farm, ISU Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED	FAC PWD PWD PWD BCOM TCOM BCOM PWD PWD BAC BAC TAC BAC BAC BAC BAC BAC BAC BAC BAC BAC B
	Crawford Dallas Dallas	Denison Denison  Denison  Vail  Denison Denison Denison Denison Denison Denison  Denison  Charter Oak  Perry Waukee	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods City of Denison/Denison Housing Authority Denison Grow Iowa Crawford County Crawford County  Tyson Fresh Meats  Amazing Energy Hugg Manufacturing Inc. Bohlmann Inc City of Denison/Denison Housing Authority Crawford Co.  Charter Oak/Ute Comm School Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition Rural Development Summit  Percival Scientific Board of Adjustment Member	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED  Extension CED  College of Business CRP	FAC PWD PWD PWD BCOM TCOM BCOM PWD BAC BAC TAC BAC TAC BAC BCOM PWD OCOM FAC BAC/TCOM/FAC/ BCOM FAC BAC TAC BAC TAC BAC BCOM PWD D D D D D D D D D D D D D D D D D D
	Crawford Dallas Dallas	Denison Denison  Denison  Vail  Denison Denison Denison Denison Denison Denison  Denison  Charter Oak  Perry Waukee	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods City of Denison/Denison Housing Authority Denison Grow Iowa Crawford County Crawford County  Tyson Fresh Meats  Amazing Energy Hugg Manufacturing Inc. Bohlmann Inc City of Denison/Denison Housing Authority Crawford Co.  Charter Oak/Ute Comm School Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition Rural Development Summit  Percival Scientific Board of Adjustment Member	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED  Extension CED  College of Business CRP College of Engineering	FAC PWD PWD PWD BCOM TCOM BCOM PWD BAC BAC TAC BAC TAC BAC BCOM PWD OCOM FAC BAC/TCOM/FAC/ BCOM FAC BAC TAC BAC TAC BAC BCOM PWD D D D D D D D D D D D D D D D D D D
	Crawford Dallas Dallas Dallas Dallas	Denison Denison Denison Vail Denison Denison Denison Denison Denison Denison Denison  Charter Oak Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods  City of Denison/Denison Housing Authority  Denison  Grow Iowa  Crawford County  Tyson Fresh Meats  Amazing Energy  Hugg Manufacturing Inc.  Bohlmann Inc  City of Denison/Denison Housing Authority  Crawford Co.  Charter Oak/Ute Comm School  Rural Development Resource Center  Rural Development Resource Center: Grow Iowa  Fund; Wallace Fund; Southwest Iowa Coalition  Rural Development Summit  Percival Scientific  Board of Adjustment Member  Hubbell Realty  Wiese Corp.	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED  Extension CED  Extension CED  College of Business CRP College of Engineering IPRT Company Assistance-Materials Brenton Ctr for Ag	FAC PWD PWD PWD PWD BCOM TCOM BCOM PWD PWD PWD BAC BAC TAC BAC BCOM PWD COOM FAC BAC/TCOM/FAC/BCOM FAC BAC BCOM FAC BAC BCOM FAC
	Crawford Dallas Dallas Dallas Dallas Dallas Dallas Dallas	Denison Denison  Denison  Vail Denison Denison Denison Denison Denison Denison Denison  Denison  Charter Oak  Perry Waukee Waukee Perry Perry	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods  City of Denison/Denison Housing Authority  Denison  Grow Iowa  Crawford County  Tyson Fresh Meats  Amazing Energy  Hugg Manufacturing Inc.  Bohlmann Inc  City of Denison/Denison Housing Authority  Crawford Co.  Charter Oak/Ute Comm School  Rural Development Resource Center  Rural Development Resource Center: Grow Iowa  Fund; Wallace Fund; Southwest Iowa Coalition  Rural Development Summit  Percival Scientific  Board of Adjustment Member  Hubbell Realty  Wiese Corp.  Distance Education Students = 3	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED  Extension CED  Extension	FAC PWD PWD PWD PWD BCOM TCOM BCOM PWD PWD BAC BAC BAC BAC BAC BCOM PWD OCOM FAC BAC/TCOM/FAC/ BCOM FAC BAC BAC BAC BAC BAC BAC BCOM PWD TAC BAC BAC BAC BAC BAC BAC BAC BAC BAC B
	Crawford Dallas Dallas Dallas Dallas	Denison Denison Denison Vail Denison Denison Denison Denison Denison Denison Denison  Charter Oak Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison Denison	Denison Foods  Distance Education Students = 1  Distance Education Students = 1  Farmland Foods  City of Denison/Denison Housing Authority  Denison  Grow Iowa  Crawford County  Tyson Fresh Meats  Amazing Energy  Hugg Manufacturing Inc.  Bohlmann Inc  City of Denison/Denison Housing Authority  Crawford Co.  Charter Oak/Ute Comm School  Rural Development Resource Center  Rural Development Resource Center: Grow Iowa  Fund; Wallace Fund; Southwest Iowa Coalition  Rural Development Summit  Percival Scientific  Board of Adjustment Member  Hubbell Realty  Wiese Corp.	Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension Sen CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED  Extension CED  College of Business CRP College of Engineering IPRT Company Assistance- Materials Brenton Ctr for Ag Instruction	FAC PWD PWD PWD BCOM TCOM BCOM PWD BAC BAC TAC BAC BCOM PWD OCOM FAC BAC BAC TAC BAC BCOM PWD TAC BAC BAC BCOM PWD TAC BAC BAC BAC BCOM FAC BAC BAC BAC BAC BCOM FAC BAC BAC BAC BAC BAC BAC BAC BAC BAC B

	Dallas	Dallas Center	Hy-Line International	Animal Science-Dekkers	TAC, PWD
	Dallas	Dallas Center	Hy-Line International	Animal Science-Lamont	TAC
				Organic Ag Program (K.	
				Delate; Agronomy &	
	Dallas	Perry	Mark Seed	Horticulture)	TAC
		- 1		College of Engineering /	
	Dallas	Waukee	Prairieview H.S.	ABE (PLTW)	ОСОМ
	Danas	TTUUNCO	Traineries Title	College of Engineering /	000
	Dallas	Waukee	Waukee High School	ABE (PLTW)	осом
			ŭ .	ISURF	
	Dallas	Perry	Mark Seed Co.		TT
	Dallas	Adel	Main Street/Adel Partners Chamber	Extension CED	FAC
	Dallas	Adel	Dallas County Road Department Engineer's Office	Extension CED	PWD
	Dallas	DeSoto	City of DeSoto	Extension CED	TCOM
	Dallas	Granger	GRANGER	Extension CED	ТСОМ
	Dallas	Granger	Granger Economic Development Assoc.	Extension CED	FAC
	_	Granger	Granger Continue Development Assoc.	Extension CED	FAC
	Dallas				
	Dallas	Van Meter	Peace Corps	Extension CED	PWD
	Dallas	Waukee	Board of Adjustment Member	Extension CED, CRP	TCOM
				Extension	
	Dallas	Woodward	Woodward	Extension CED, Landscape Architecture Extension	OCOM. PWD
	Dallas	Perry	Perry	ISU Extension	ОСОМ
	Dallas	Adel	Hanny's of Adel	ISU Extension	PWD
	Dallas	Waukee	Legacy Point	ISU Extension	PWD
	Dallas	Woodward	Woodward Resource Center	ISU Extension	PWD
	Dallas	Adel	Iowa Spring Manufacturing Inc	ISUE-CIRAS	TAC
	Dallas	Perry	Wiese Industries Inc	ISUE-CIRAS	TAC
	Dallas	Perry	Wiese Industries Inc	ISUE-CIRAS	TAC
	Dallas	Waukee	ecfirst.com	ISUE-CIRAS	BAC
<u></u>	Dallas	Adel	Iowa Spring Manufacturing Inc	ISUE-CIRAS	TAC
	Dallas	Dallas Center	Dallas Co.	CTRE/CP Tech	PWD
	Dallas	Waukee	City of Waukee	CTRE/CP Tech	PWD
	Dallas	Waukee	Dallas Co. Engineer	CTRE/CP Tech	PWD
	Dallas	Perry	Iowa Foot Clinic	Kinesiology/IPRT	TAC
	_				
	Dallas	Adel	Wells Fargo	College of Engineering	PWD
	Dallas		Dallas County	Extension CED	TCOM
	Dallas		Dallas County Auditors	Extension CED	OCOM
	Dallas		Rural Development Resource Center	Extension CED	FAC
	Dallas		Rural Development Summit	Extension CED	FAC
	Dallas	Granger	City of Granger	Communities	BCOM
	Dallas	Orango:	Dallas County	County/Ag	BAC
	Dallas	Adel		AG	FAC
D.II. O	_		Bioenegy Downlink-ISU	AG	4
Dallas County	44				4
				Brenton Ctr for Ag	
	Davis	Bloomfield	Distance Education Students = 5	Instruction	PWD
	Davis	Bloomfield	Hastings Meat Processing	Meat Science Extension	PWD
	Davis	Bloomfield	Midwest Forestry and Bioproducts	NREM	TAC
			ADIM Francisco and December	OD DIAL Occiden	
			ADLIN Empowerment Board	ICD-DIAL - Sociology	OCOM
	Davis		ADLM Empowerment Board	CD-DIAL - Sociology	ОСОМ
	Davis	Plaamfield	<u> </u>	Extension	
	Davis Davis	Bloomfield	Industry Specialists, Inc.	Extension ISUE-CIRAS	BAC
	Davis Davis Davis	Bloomfield Bloomfield	Industry Specialists, Inc. City of Bloomfield	Extension ISUE-CIRAS CTRE/CP Tech	BAC PWD
	Davis Davis Davis Davis Davis		Industry Specialists, Inc. City of Bloomfield Davis County Auditors	Extension ISUE-CIRAS CTRE/CP Tech Extension CED	BAC PWD OCOM
	Davis Davis Davis Davis Davis Davis	Bloomfield	Industry Specialists, Inc. City of Bloomfield	Extension ISUE-CIRAS CTRE/CP Tech	BAC PWD OCOM FAC
Davis County	Davis Davis Davis Davis Davis	Bloomfield	Industry Specialists, Inc. City of Bloomfield Davis County Auditors	Extension ISUE-CIRAS CTRE/CP Tech Extension CED	BAC PWD OCOM FAC
Davis County	Davis Davis Davis Davis Davis Davis	Bloomfield	Industry Specialists, Inc. City of Bloomfield Davis County Auditors	Extension ISUE-CIRAS CTRE/CP Tech Extension CED Extension CED Landscape Architecture, IDRO	BAC PWD OCOM
Davis County	Davis Davis Davis Davis Davis Davis Davis	Bloomfield	Industry Specialists, Inc. City of Bloomfield Davis County Auditors Davis County tourism	Extension ISUE-CIRAS CTRE/CP Tech Extension CED Extension CED  Landscape Architecture, IDRO IPRT Company Assistance-	BAC PWD OCOM FAC
Davis County	Davis Davis Davis Davis Davis Davis Davis	Bloomfield Lamoni	Industry Specialists, Inc. City of Bloomfield Davis County Auditors Davis County tourism Lamoni	Extension ISUE-CIRAS CTRE/CP Tech Extension CED Extension CED  Landscape Architecture, IDRO IPRT Company Assistance- Technology	BAC PWD OCOM FAC BCOM/ OCOM
Davis County	Davis Davis Davis Davis Davis Davis Davis	Bloomfield	Industry Specialists, Inc. City of Bloomfield Davis County Auditors Davis County tourism	Extension ISUE-CIRAS CTRE/CP Tech Extension CED Extension CED  Landscape Architecture, IDRO IPRT Company Assistance-	BAC PWD OCOM FAC
Davis County	Davis Davis Davis Davis Davis Davis Davis Davis	Bloomfield Lamoni	Industry Specialists, Inc. City of Bloomfield Davis County Auditors Davis County tourism Lamoni	Extension ISUE-CIRAS CTRE/CP Tech Extension CED Extension CED  Landscape Architecture, IDRO IPRT Company Assistance- Technology	BAC PWD OCOM FAC BCOM/ OCOM
Davis County	Davis Davis Davis Davis Davis Davis Davis Davis Davis Decatur	Bloomfield  Lamoni  Lamoni	Industry Specialists, Inc. City of Bloomfield Davis County Auditors Davis County tourism  Lamoni  Industrial Hardfacing	Extension ISUE-CIRAS CTRE/CP Tech Extension CED Extension CED Landscape Architecture, IDRO IPRT Company Assistance- Technology Commercialization Brenton Ctr for Ag	BAC PWD OCOM FAC BCOM/ OCOM
Davis County	Davis Davis Davis Davis Davis Davis Davis Davis	Bloomfield Lamoni	Industry Specialists, Inc. City of Bloomfield Davis County Auditors Davis County tourism Lamoni	Extension ISUE-CIRAS CTRE/CP Tech Extension CED Extension CED Landscape Architecture, IDRO IPRT Company Assistance- Technology Commercialization	BAC PWD OCOM FAC BCOM/ OCOM
Davis County	Davis  Davis  Davis  Davis  Davis  Davis  Davis  Decatur  Decatur  Decatur  Decatur	Bloomfield  Lamoni  Lamoni  Van Wert  Lamoni	Industry Specialists, Inc. City of Bloomfield Davis County Auditors Davis County tourism  Lamoni  Industrial Hardfacing  Distance Education Students = 1 Lamoni	Extension ISUE-CIRAS CTRE/CP Tech Extension CED Extension CED  Landscape Architecture, IDRO IPRT Company Assistance- Technology Commercialization Brenton Ctr for Ag Instruction Landscape Architecture, IDRO	BAC PWD OCOM FAC BCOM/ OCOM  TT PWD BCOM/ OCOM
Davis County	Davis Davis Davis Davis Davis Davis Davis Davis Decatur	Bloomfield  Lamoni  Lamoni  Van Wert	Industry Specialists, Inc. City of Bloomfield Davis County Auditors Davis County tourism  Lamoni  Industrial Hardfacing  Distance Education Students = 1 Lamoni  Lead 2 Day, Lamoni	Extension ISUE-CIRAS CTRE/CP Tech Extension CED Extension CED  Landscape Architecture, IDRO IPRT Company Assistance- Technology Commercialization Brenton Ctr for Ag Instruction Landscape Architecture, IDRO Johnson County Extension	BAC PWD OCOM FAC BCOM/ OCOM TT PWD
Davis County	Davis  Davis  Davis  Davis  Davis  Davis  Davis  Decatur  Decatur  Decatur  Decatur	Bloomfield  Lamoni  Lamoni  Van Wert  Lamoni	Industry Specialists, Inc. City of Bloomfield Davis County Auditors Davis County tourism  Lamoni  Industrial Hardfacing  Distance Education Students = 1 Lamoni	Extension ISUE-CIRAS CTRE/CP Tech Extension CED Extension CED  Landscape Architecture, IDRO IPRT Company Assistance- Technology Commercialization Brenton Ctr for Ag Instruction Landscape Architecture, IDRO Johnson County Extension Decatur County ISU Extension	BAC PWD OCOM FAC BCOM/ OCOM  TT PWD BCOM/ OCOM
Davis County	Davis Davis Davis Davis Davis Davis Davis Davis Decatur Decatur Decatur Decatur Decatur	Bloomfield  Lamoni  Lamoni  Van Wert  Lamoni	Industry Specialists, Inc. City of Bloomfield Davis County Auditors Davis County tourism  Lamoni  Industrial Hardfacing Distance Education Students = 1 Lamoni  Lead 2 Day, Lamoni Decatur Co. Development Corpentrepreneurial	Extension ISUE-CIRAS CTRE/CP Tech Extension CED Extension CED  Extension CED  Landscape Architecture, IDRO IPRT Company Assistance- Technology Commercialization Brenton Ctr for Ag Instruction Landscape Architecture, IDRO Johnson County Extension Decatur County ISU Extension Procurement Outreach through CIRAS	BAC PWD OCOM FAC BCOM/ OCOM  TT PWD BCOM/ OCOM  PWD
Davis County	Davis Davis Davis Davis Davis Davis Davis Davis Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur	Bloomfield  Lamoni  Lamoni  Van Wert  Lamoni  Lamoni	Industry Specialists, Inc. City of Bloomfield Davis County Auditors Davis County tourism  Lamoni  Industrial Hardfacing  Distance Education Students = 1 Lamoni  Lead 2 Day, Lamoni Decatur Co. Development Corpentrepreneurial committee  Co. Development, A-Z, Saxton,Inc.,Boyd Const.	Extension ISUE-CIRAS CTRE/CP Tech Extension CED Extension CED  Landscape Architecture, IDRO IPRT Company Assistance- Technology Commercialization Brenton Ctr for Ag Instruction Landscape Architecture, IDRO Johnson County Extension Decatur County ISU Extension Procurement Outreach through CIRAS Decatur County ISU	BAC PWD OCOM FAC BCOM/ OCOM  TT PWD BCOM/ OCOM  PWD BAC BAC
Davis County	Davis Davis Davis Davis Davis Davis Davis Davis Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur	Bloomfield  Lamoni  Lamoni  Van Wert  Lamoni	Industry Specialists, Inc. City of Bloomfield Davis County Auditors Davis County tourism  Lamoni  Industrial Hardfacing Distance Education Students = 1 Lamoni  Lead 2 Day, Lamoni Decatur Co. Development Corpentrepreneurial committee  Co. Development, A-Z, Saxton,Inc.,Boyd Const.  Beautification Committee-Living Roadways/visioning Little River Watershed Source Protection Plan (in	Extension ISUE-CIRAS CTRE/CP Tech Extension CED Extension CED Extension CED  Landscape Architecture, IDRO IPRT Company Assistance- Technology Commercialization Brenton Ctr for Ag Instruction Landscape Architecture, IDRO Johnson County Extension Decatur County ISU Extension Procurement Outreach through CIRAS Decatur County ISU Extension/	BAC PWD OCOM FAC BCOM/ OCOM  TT PWD BCOM/ OCOM  PWD BAC
Davis County	Davis Davis Davis Davis Davis Davis Davis Davis Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur	Bloomfield  Lamoni  Lamoni  Van Wert  Lamoni  Lamoni	Industry Specialists, Inc. City of Bloomfield Davis County Auditors Davis County tourism  Lamoni  Industrial Hardfacing Distance Education Students = 1 Lamoni  Lead 2 Day, Lamoni Decatur Co. Development Corpentrepreneurial committee  Co. Development, A-Z, Saxton,Inc.,Boyd Const. Beautification Committee-Living Roadways/visioning	Extension ISUE-CIRAS CTRE/CP Tech Extension CED Extension CED  Landscape Architecture, IDRO IPRT Company Assistance- Technology Commercialization Brenton Ctr for Ag Instruction Landscape Architecture, IDRO Johnson County Extension Decatur County ISU Extension Procurement Outreach through CIRAS Decatur County ISU Extension/ Decatur County ISU Extension/ Decatur County ISU Extension/	BAC PWD OCOM FAC BCOM/ OCOM  TT PWD BCOM/ OCOM  PWD BAC BAC
Davis County	Davis Davis Davis Davis Davis Davis Davis Davis Decatur  Decatur Decatur Decatur Decatur Decatur Decatur Decatur Decatur Decatur Decatur Decatur Decatur	Bloomfield  Lamoni  Lamoni  Van Wert  Lamoni  Lamoni  Lamoni	Industry Specialists, Inc. City of Bloomfield Davis County Auditors Davis County tourism  Lamoni  Industrial Hardfacing  Distance Education Students = 1 Lamoni  Lead 2 Day, Lamoni Decatur Co. Development Corpentrepreneurial committee  Co. Development, A-Z, Saxton,Inc.,Boyd Const.  Beautification Committee-Living Roadways/visioning Little River Watershed Source Protection Plan (in cooperation with watershed sponsors, County	Extension ISUE-CIRAS CTRE/CP Tech Extension CED Extension CED Extension CED  Landscape Architecture, IDRO IPRT Company Assistance- Technology Commercialization Brenton Ctr for Ag Instruction Landscape Architecture, IDRO Johnson County Extension Decatur County ISU Extension Procurement Outreach through CIRAS Decatur County ISU Extension/ Decatur County ISU Extension/	BAC PWD OCOM FAC  BCOM/ OCOM  TT PWD BCOM/ OCOM  PWD BAC BAC FAC
Davis County	Davis Davis Davis Davis Davis Davis Davis Davis Davis Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur	Bloomfield  Lamoni  Lamoni  Van Wert  Lamoni  Lamoni  Lamoni	Industry Specialists, Inc. City of Bloomfield Davis County Auditors Davis County tourism  Lamoni  Industrial Hardfacing Distance Education Students = 1 Lamoni  Lead 2 Day, Lamoni Decatur Co. Development Corpentrepreneurial committee  Co. Development, A-Z, Saxton,Inc.,Boyd Const.  Beautification Committee-Living Roadways/visioning Little River Watershed Source Protection Plan (in cooperation with watershed sponsors, County Conservation, NRCS, DNR, Rural Water, etc.)	Extension ISUE-CIRAS CTRE/CP Tech Extension CED Extension CED  Landscape Architecture, IDRO IPRT Company Assistance- Technology Commercialization Brenton Ctr for Ag Instruction Landscape Architecture, IDRO Johnson County Extension Decatur County ISU Extension Procurement Outreach through CIRAS Decatur County ISU Extension/ Decatur County ISU Extension/ Decatur County ISU Extension/ Decatur County ISU Extension/ Decatur County ISU Extension/ Decatur County ISU Extension Procurement Outreach	BAC PWD OCOM FAC BCOM/ OCOM  TT PWD BCOM/ OCOM  PWD BAC BAC FAC
Davis County	Davis Davis Davis Davis Davis Davis Davis Davis Davis Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur	Bloomfield  Lamoni  Lamoni  Van Wert  Lamoni  Lamoni  Lamoni	Industry Specialists, Inc. City of Bloomfield Davis County Auditors Davis County tourism  Lamoni  Industrial Hardfacing Distance Education Students = 1 Lamoni  Lead 2 Day, Lamoni Decatur Co. Development Corpentrepreneurial committee  Co. Development, A-Z, Saxton,Inc.,Boyd Const.  Beautification Committee-Living Roadways/visioning Little River Watershed Source Protection Plan (in cooperation with watershed sponsors, County Conservation, NRCS, DNR, Rural Water, etc.)	Extension ISUE-CIRAS CTRE/CP Tech Extension CED Extension CED Extension CED  Landscape Architecture, IDRO IPRT Company Assistance- Technology Commercialization Brenton Ctr for Ag Instruction Landscape Architecture, IDRO Johnson County Extension Decatur County ISU Extension Procurement Outreach through CIRAS Decatur County ISU Extension/ Decatur County ISU Extension/	BAC PWD OCOM FAC BCOM/ OCOM  TT PWD BCOM/ OCOM  PWD BAC BAC FAC
Davis County	Davis Davis Davis Davis Davis Davis Davis Davis Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur	Bloomfield  Lamoni  Lamoni  Van Wert  Lamoni  Lamoni  Lamoni  Leon	Industry Specialists, Inc. City of Bloomfield Davis County Auditors Davis County tourism  Lamoni  Industrial Hardfacing  Distance Education Students = 1 Lamoni  Lead 2 Day, Lamoni Decatur Co. Development Corpentrepreneurial committee  Co. Development, A-Z, Saxton,Inc.,Boyd Const.  Beautification Committee-Living Roadways/visioning Little River Watershed Source Protection Plan (in cooperation with watershed sponsors, County Conservation, NRCS, DNR, Rural Water, etc.)  Co. Development, A-Z, Saxton,Inc.,Boyd Const.  Little River Watershed Source Protection Plan	Extension ISUE-CIRAS CTRE/CP Tech Extension CED Extension CED  Landscape Architecture, IDRO IPRT Company Assistance- Technology Commercialization Brenton Ctr for Ag Instruction Landscape Architecture, IDRO Johnson County Extension Decatur County ISU Extension Procurement Outreach through CIRAS Decatur County ISU Extension/ Decatur County ISU Extension/ Decatur County ISU Extension/ Decatur County ISU Extension/ Decatur County ISU Extension/ Decatur County ISU Extension Procurement Outreach through CIRAS Decatur County ISU Extension Procurement Outreach through CIRAS Decatur County ISU Extension	BAC PWD OCOM FAC  BCOM/ OCOM  TT  PWD BCOM/ OCOM  PWD BAC BAC FAC FAC FAC TCOM
Davis County	Davis Davis Davis Davis Davis Davis Davis Davis Davis Davis Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur  Decatur	Bloomfield  Lamoni  Lamoni  Van Wert  Lamoni  Lamoni  Leon  Leon  Leon  Lamoni	Industry Specialists, Inc. City of Bloomfield Davis County Auditors Davis County tourism  Lamoni  Industrial Hardfacing Distance Education Students = 1 Lamoni  Lead 2 Day, Lamoni Decatur Co. Development Corpentrepreneurial committee  Co. Development, A-Z, Saxton,Inc.,Boyd Const.  Beautification Committee-Living Roadways/visioning Little River Watershed Source Protection Plan (in cooperation with watershed sponsors, County Conservation, NRCS, DNR, Rural Water, etc.)  Co. Development, A-Z, Saxton,Inc.,Boyd Const.  Little River Watershed Source Protection Plan A-Z Manufacturing and Sales Co	Extension ISUE-CIRAS CTRE/CP Tech Extension CED Extension CED  Landscape Architecture, IDRO IPRT Company Assistance- Technology Commercialization Brenton Ctr for Ag Instruction Landscape Architecture, IDRO Johnson County Extension Decatur County ISU Extension Procurement Outreach through CIRAS Decatur County ISU Extension Procurement Outreach through CIRAS Decatur County ISU Extension Procurement Outreach through CIRAS Decatur County ISU Extension Procurement Outreach through CIRAS Decatur County ISU Extension Procurement Outreach through CIRAS Decatur County ISU Extension ISUE-CIRAS	BAC PWD OCOM FAC BCOM/ OCOM  TT PWD BCOM/ OCOM  PWD BAC BAC FAC FAC TCOM BAC
Davis County	Davis  Davis  Davis  Davis  Davis  Davis  Davis  Decatur	Bloomfield  Lamoni  Lamoni  Van Wert  Lamoni  Lamoni  Lamoni  Lamoni  Leon  Leon  Lamoni  Davis City	Industry Specialists, Inc. City of Bloomfield Davis County Auditors Davis County tourism  Lamoni  Industrial Hardfacing  Distance Education Students = 1 Lamoni  Lead 2 Day, Lamoni Decatur Co. Development Corpentrepreneurial committee  Co. Development, A-Z, Saxton,Inc.,Boyd Const.  Beautification Committee-Living Roadways/visioning Little River Watershed Source Protection Plan (in cooperation with watershed sponsors, County Conservation, NRCS, DNR, Rural Water, etc.)  Co. Development, A-Z, Saxton,Inc.,Boyd Const.  Little River Watershed Source Protection Plan A-Z Manufacturing and Sales Co Decatur Co.	Extension ISUE-CIRAS CTRE/CP Tech Extension CED Extension CED  Extension CED  Landscape Architecture, IDRO IPRT Company Assistance- Technology Commercialization Brenton Ctr for Ag Instruction Landscape Architecture, IDRO Johnson County Extension Decatur County ISU Extension Procurement Outreach through CIRAS Decatur County ISU Extension/  Decatur County ISU Extension/  Decatur County ISU Extension/  Decatur County ISU Extension/  Decatur County ISU Extension/  Decatur County ISU Extension/  Decatur County ISU Extension Procurement Outreach through CIRAS Decatur County ISU Extension ISUE-CIRAS CTRE/CP Tech	BAC PWD OCOM FAC BCOM/ OCOM  TT PWD BCOM/ OCOM  PWD BAC FAC FAC FAC FAC TCOM BAC PWD
Davis County	Davis Davis Davis Davis Davis Davis Davis Davis Davis Decatur	Bloomfield  Lamoni  Lamoni  Van Wert  Lamoni  Lamoni  Leon  Leon  Leon  Lamoni	Industry Specialists, Inc. City of Bloomfield Davis County Auditors Davis County tourism  Lamoni  Industrial Hardfacing  Distance Education Students = 1 Lamoni  Lead 2 Day, Lamoni Decatur Co. Development Corpentrepreneurial committee  Co. Development, A-Z, Saxton,Inc.,Boyd Const.  Beautification Committee-Living Roadways/visioning Little River Watershed Source Protection Plan (in cooperation with watershed sponsors, County Conservation, NRCS, DNR, Rural Water, etc.)  Co. Development, A-Z, Saxton,Inc.,Boyd Const.  Little River Watershed Source Protection Plan A-Z Manufacturing and Sales Co Decatur Co. Leon - Decatur Co. Econ Develop Corp	Extension ISUE-CIRAS CTRE/CP Tech Extension CED Extension CED Extension CED  Landscape Architecture, IDRO IPRT Company Assistance- Technology Commercialization Brenton Ctr for Ag Instruction Landscape Architecture, IDRO Johnson County Extension Decatur County ISU Extension Procurement Outreach through CIRAS Decatur County ISU Extension/ Decatur County ISU Extension/ Decatur County ISU Extension/ Decatur County ISU Extension/ Decatur County ISU Extension/ Decatur County ISU Extension/ Decatur County ISU Extension Procurement Outreach through CIRAS Decatur County ISU Extension ISUE-CIRAS CTRE/CP Tech Industry Relations	BAC PWD OCOM FAC  BCOM/ OCOM  TT  PWD BCOM/ OCOM  PWD BAC  BAC  FAC  FAC  TCOM BAC  BAC PWD BCOM/ DCOM
Davis County	Davis  Davis  Davis  Davis  Davis  Davis  Davis  Decatur	Bloomfield  Lamoni  Lamoni  Van Wert  Lamoni  Lamoni  Lamoni  Lamoni  Leon  Leon  Lamoni  Davis City	Industry Specialists, Inc. City of Bloomfield Davis County Auditors Davis County tourism  Lamoni  Industrial Hardfacing  Distance Education Students = 1 Lamoni  Lead 2 Day, Lamoni Decatur Co. Development Corpentrepreneurial committee  Co. Development, A-Z, Saxton,Inc.,Boyd Const.  Beautification Committee-Living Roadways/visioning Little River Watershed Source Protection Plan (in cooperation with watershed sponsors, County Conservation, NRCS, DNR, Rural Water, etc.)  Co. Development, A-Z, Saxton,Inc.,Boyd Const.  Little River Watershed Source Protection Plan A-Z Manufacturing and Sales Co Decatur Co.	Extension ISUE-CIRAS CTRE/CP Tech Extension CED Extension CED  Extension CED  Landscape Architecture, IDRO IPRT Company Assistance- Technology Commercialization Brenton Ctr for Ag Instruction Landscape Architecture, IDRO Johnson County Extension Decatur County ISU Extension Procurement Outreach through CIRAS Decatur County ISU Extension/  Decatur County ISU Extension/  Decatur County ISU Extension/  Decatur County ISU Extension/  Decatur County ISU Extension/  Decatur County ISU Extension/  Decatur County ISU Extension Procurement Outreach through CIRAS Decatur County ISU Extension ISUE-CIRAS CTRE/CP Tech	BAC PWD OCOM FAC BCOM/ OCOM  TT PWD BCOM/ OCOM  PWD BAC FAC FAC FAC FAC TCOM BAC PWD

	Decatur		Multi-State Regional Development	Extension CED	FAC
	Decatur		Renew Rural Iowa	Extension CED	FAC
	Decatur		Rural Development Resource Center	Extension CED	FAC
	Decatur		Rural Development Resource Center: Grow Iowa	Extension CED	BAC/ TCOM/ FAC
			Fund; Wallace Fund; Southwest Iowa Coalition		BCOM
	Decatur		Rural Development Summit	Extension CED	FAC
	Decatur		Southwest Iowa Coalition	Extension CED	FAC
Decatur County	2:	2			2
- courai courry	Delaware	Colesburg	Colesburg	Landscape Architecture,	BCOM
	2 ola valo	Coloobarg	Colorate	IDRO	500
	Delaware	Hopkinton	Hopkinton	Landscape Architecture,	всом
	Delaware	поркиноп	Поркіпіон	IDRO	BCOIVI
	Deleviere	Manchester	Avec to selecte		PWD
	Delaware	Manchester	Area teachers	Families Extension	PWD
	<b>.</b>		B	Brenton Ctr for Ag	DIA/D
	Delaware	Edgewood	Distance Education Students = 1	Instruction	PWD
				Brenton Ctr for Ag	
	Delaware	Hopkinton	Distance Education Students = 1	Instruction	PWD
				Brenton Ctr for Ag	
	Delaware	Ryan	Distance Education Students = 1	Instruction	PWD
	Delaware	Colesburg	Colesburg	Landscape Architecture,	BCOM
				IDRO	
	Delaware	Dyersville	Nex-Gen Biofuels, Inc.	Extension CED	BAC
	Delaware	Hopkinton	Hopkinton	Landscape Architecture,	BCOM
		·	'	IDRO	
	Delaware	Manchester	NE Iowa Community Development Conference	Extension CED	FAC
	Delaware	Manchester	Manchester; Delaware County; Dyersville	Delaware County CEED	BCOM
	Delaware	Manchester	Manchester Enterprise Zone Commission	Delaware County CEED	FAC
			Edgewood Economic Development	ISU Extension	FAC
	Delaware	Edgewood	Distinctive Wood Works Inc	ISUE-CIRAS	BAC
	Delaware	Earlville			
	Delaware	Delhi	Bradco McMillen and The Major	ISUE-CIRAS	TAC
	Delaware	Manchester	Gibbs Engineering	CTRE/CP Tech	PWD
	Delaware	Manchester	TeKippe Engineering	CTRE/CP Tech	PWD
	Delaware	Manchester	Area teachers	ISU Extension	PWD
	Delaware	Edgewood	Edgewood	Landscape Architecture,	BCOM
				IDRO	
	Delaware	Manchester	crop farms	Robert Tigner	BAC
	Delaware	Edgewood	Healthy Edge Meats (startup)	Delaware County CEED	BAC - startup
	Delaware	Lugowood	Silos & Smokestacks National Heritage Area	Extension CED	OCOM
Delaware County	Delaware 2:	2	Silos & Offickestacks National Fierlage Area	EXTENSION OF D	2
Delaware County	Des Moines	Burlington	Southeastern Community College	College of Engineering	BCOM
					BCOM
	Des Moines	Burlington	Great River Region	College of Engineering	PWD
	Des Moines	Burlington	General Electric	College of Engineering	
	Des Moines	Burlington	Winegard	College of Engineering	PWD
	Des Moines	Burlington	Cetek	College of Engineering	PWD
				IPRT Company Assistance-	
	Des Moines	Burlington	Case New Holland	NDE	TAC
				Brenton Ctr for Ag	
	Des Moines	Burlington	Distance Education Students = 2	Instruction	PWD
				Brenton Ctr for Ag	
	Des Moines	Mediapolis	Distance Education Students = 3	Instruction	PWD
				Brenton Ctr for Ag	
	Des Moines	Middletown	Distance Education Students = 3	Instruction	PWD
			Southeast iowa Regional Coalition for Lifestyle		
	Des Moines	Burlington	Enhancement	Families Extension	
	Des Moines		Emidioement		PWD
		Burlington	Rurlington		PWD
		Burlington	Burlington  Dos Moinos County Auditors	Extension CED	TCOM
	Des Moines	Burlington	Des Moines County Auditors	Extension CED Extension CED	
	Des Moines		Des Moines County Auditors Des Moines County Inventors and Entrepreneurs	Extension CED Extension CED Des Moines County	TCOM OCOM
		Burlington	Des Moines County Auditors  Des Moines County Inventors and Entrepreneurs  Club - business start-up training and networking	Extension CED Extension CED Des Moines County Extension	TCOM
	Des Moines  Des Moines	Burlington	Des Moines County Auditors  Des Moines County Inventors and Entrepreneurs  Club - business start-up training and networking  Iowa Workforce Development - Computer skills	Extension CED Extension CED Des Moines County Extension Des Moines County	TCOM OCOM BAC
	Des Moines  Des Moines  Des Moines	Burlington Burlington	Des Moines County Auditors Des Moines County Inventors and Entrepreneurs Club - business start-up training and networking lowa Workforce Development - Computer skills training	Extension CED Extension CED Des Moines County Extension Des Moines County Extension	TCOM OCOM BAC PWD
	Des Moines  Des Moines  Des Moines  Des Moines	Burlington Burlington Burlington	Des Moines County Auditors  Des Moines County Inventors and Entrepreneurs Club - business start-up training and networking lowa Workforce Development - Computer skills training Southeast Iowa Community Action	Extension CED Extension CED Des Moines County Extension Des Moines County Extension ISU Extension	TCOM OCOM  BAC PWD PWD
	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines	Burlington Burlington Burlington Burlington	Des Moines County Auditors Des Moines County Inventors and Entrepreneurs Club - business start-up training and networking lowa Workforce Development - Computer skills training	Extension CED  Extension CED  Des Moines County  Extension  Des Moines County  Extension  ISU Extension  ISUE-CIRAS	TCOM OCOM  BAC  PWD PWD BAC
	Des Moines  Des Moines  Des Moines  Des Moines	Burlington Burlington Burlington	Des Moines County Auditors  Des Moines County Inventors and Entrepreneurs Club - business start-up training and networking lowa Workforce Development - Computer skills training Southeast Iowa Community Action	Extension CED Extension CED Des Moines County Extension Des Moines County Extension ISU Extension	TCOM OCOM  BAC PWD PWD
	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines	Burlington Burlington Burlington Burlington	Des Moines County Auditors  Des Moines County Inventors and Entrepreneurs Club - business start-up training and networking Iowa Workforce Development - Computer skills training Southeast Iowa Community Action Flint Cliffs Manufacturing	Extension CED  Extension CED  Des Moines County  Extension  Des Moines County  Extension  ISU Extension  ISUE-CIRAS	TCOM OCOM  BAC  PWD PWD BAC
	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines	Burlington Burlington Burlington Burlington West Burlington Burlington	Des Moines County Auditors Des Moines County Inventors and Entrepreneurs Club - business start-up training and networking lowa Workforce Development - Computer skills training Southeast Iowa Community Action Flint Cliffs Manufacturing T and T Technologies, Inc. R L Douglas Contracting	Extension CED Extension CED Des Moines County Extension Des Moines County Extension ISU Extension ISUE-CIRAS ISUE-CIRAS	TCOM OCOM  BAC PWD PWD BAC BAC
	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines	Burlington Burlington Burlington Burlington West Burlington Burlington Burlington	Des Moines County Auditors Des Moines County Inventors and Entrepreneurs Club - business start-up training and networking lowa Workforce Development - Computer skills training Southeast Iowa Community Action Flint Cliffs Manufacturing T and T Technologies, Inc. R L Douglas Contracting Flint Cliffs Manufacturing	Extension CED Extension CED Des Moines County Extension Des Moines County Extension ISU Extension ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TCOM OCOM  BAC PWD PWD BAC BAC BAC BAC BAC
	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines	Burlington Burlington Burlington Burlington West Burlington Burlington	Des Moines County Auditors  Des Moines County Inventors and Entrepreneurs Club - business start-up training and networking Iowa Workforce Development - Computer skills training Southeast Iowa Community Action Flint Cliffs Manufacturing T and T Technologies, Inc. R L Douglas Contracting Flint Cliffs Manufacturing Winegard Co	Extension CED Extension CED Des Moines County Extension Des Moines County Extension ISU Extension ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TCOM OCOM  BAC  PWD PWD BAC BAC BAC TAC
	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines	Burlington  Burlington  Burlington  Burlington  West Burlington  Burlington  Burlington  Burlington  Burlington	Des Moines County Auditors Des Moines County Inventors and Entrepreneurs Club - business start-up training and networking lowa Workforce Development - Computer skills training Southeast lowa Community Action Flint Cliffs Manufacturing T and T Technologies, Inc. R L Douglas Contracting Flint Cliffs Manufacturing Winegard Co Event in Des Moines County	Extension CED Extension CED Des Moines County Extension Des Moines County Extension ISU Extension ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TCOM OCOM  BAC PWD PWD BAC BAC BAC TAC TAC
	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines	Burlington  Burlington  Burlington  Burlington  West Burlington  Burlington  Burlington  Burlington  Burlington  Burlington	Des Moines County Auditors Des Moines County Inventors and Entrepreneurs Club - business start-up training and networking lowa Workforce Development - Computer skills training Southeast Iowa Community Action Flint Cliffs Manufacturing T and T Technologies, Inc. R L Douglas Contracting Flint Cliffs Manufacturing Winegard Co Event in Des Moines County Vista Bakery Inc	Extension CED Extension CED Des Moines County Extension Des Moines County Extension ISU Extension ISUE Extension ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TCOM OCOM  BAC PWD PWD BAC BAC BAC TAC TAC
	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines	Burlington Burlington Burlington Burlington West Burlington Burlington Burlington Burlington Burlington Burlington West Burlington	Des Moines County Auditors Des Moines County Inventors and Entrepreneurs Club - business start-up training and networking lowa Workforce Development - Computer skills training Southeast Iowa Community Action Flint Cliffs Manufacturing T and T Technologies, Inc. R L Douglas Contracting Flint Cliffs Manufacturing Winegard Co Event in Des Moines County Vista Bakery Inc Borghi USA Inc.	Extension CED Extension CED Des Moines County Extension Des Moines County Extension ISU Extension ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TCOM OCOM  BAC PWD PWD BAC BAC BAC TAC TAC TAC
	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines	Burlington  Burlington  Burlington  Burlington  West Burlington  Burlington  Burlington  Burlington  Burlington  Burlington  Burlington  Burlington  Burlington  West Burlington  Burlington	Des Moines County Auditors Des Moines County Inventors and Entrepreneurs Club - business start-up training and networking lowa Workforce Development - Computer skills training Southeast Iowa Community Action Flint Cliffs Manufacturing T and T Technologies, Inc. R L Douglas Contracting Flint Cliffs Manufacturing Winegard Co Event in Des Moines County Vista Bakery Inc Borghi USA Inc. City of Burlington	Extension CED Extension CED Des Moines County Extension Des Moines County Extension ISU Extension ISUE-CIRAS CTRE/CP Tech	TCOM OCOM  BAC  PWD PWD BAC BAC BAC TAC TAC TAC PWD
	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines	Burlington Burlington Burlington Burlington West Burlington Burlington Burlington Burlington Burlington Burlington West Burlington	Des Moines County Auditors Des Moines County Inventors and Entrepreneurs Club - business start-up training and networking lowa Workforce Development - Computer skills training Southeast Iowa Community Action Flint Cliffs Manufacturing T and T Technologies, Inc. R L Douglas Contracting Flint Cliffs Manufacturing Winegard Co Event in Des Moines County Vista Bakery Inc Borghi USA Inc. City of Burlington Ideal Ready Mix	Extension CED Extension CED Des Moines County Extension Des Moines County Extension ISU Extension ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TCOM OCOM  BAC PWD PWD BAC BAC BAC TAC TAC TAC
	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines	Burlington  Burlington  Burlington  Burlington  West Burlington  Burlington  Burlington  Burlington  Burlington  Burlington  West Burlington  West Burlington  West Burlington	Des Moines County Auditors Des Moines County Inventors and Entrepreneurs Club - business start-up training and networking lowa Workforce Development - Computer skills training Southeast Iowa Community Action Flint Cliffs Manufacturing T and T Technologies, Inc. R L Douglas Contracting Flint Cliffs Manufacturing Winegard Co Event in Des Moines County Vista Bakery Inc Borghi USA Inc. City of Burlington Ideal Ready Mix Burlington/West Burlington Chamber of Commerce	Extension CED Extension CED Des Moines County Extension Des Moines County Extension ISU Extension ISU Extension ISUE-CIRAS CTRE/CP Tech	TCOM OCOM  BAC PWD PWD BAC BAC BAC BAC TAC TAC TAC TAC PWD PWD PWD PWD PWD PWD
	Des Moines  Des Moines	Burlington  Burlington  Burlington  Burlington  West Burlington  Burlington  Burlington  Burlington  Burlington  Burlington  West Burlington  West Burlington  Burlington  West Burlington  Burlington  West Burlington	Des Moines County Auditors Des Moines County Inventors and Entrepreneurs Club - business start-up training and networking Iowa Workforce Development - Computer skills training Southeast Iowa Community Action Flint Cliffs Manufacturing T and T Technologies, Inc. R L Douglas Contracting Flint Cliffs Manufacturing Winegard Co Event in Des Moines County Vista Bakery Inc Borghi USA Inc. City of Burlington Ideal Ready Mix Burlington/West Burlington Chamber of Commerce and Grow Greater Burlington	Extension CED Extension CED Des Moines County Extension Des Moines County Extension ISU Extension ISU Extension ISUE-CIRAS ISUE-CIRA	TCOM OCOM  BAC  PWD PWD BAC BAC BAC TAC TAC TAC TAC TAC PWD PWD BCOM
	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Des Moines	Burlington  Burlington  Burlington  Burlington  West Burlington  Burlington  Burlington  Burlington  Burlington  Burlington  West Burlington  West Burlington  West Burlington	Des Moines County Auditors Des Moines County Inventors and Entrepreneurs Club - business start-up training and networking lowa Workforce Development - Computer skills training Southeast Iowa Community Action Flint Cliffs Manufacturing T and T Technologies, Inc. R L Douglas Contracting Flint Cliffs Manufacturing Winegard Co Event in Des Moines County Vista Bakery Inc Borghi USA Inc. City of Burlington Ideal Ready Mix Burlington/West Burlington Chamber of Commerce	Extension CED Extension CED Des Moines County Extension Des Moines County Extension ISU Extension ISU Extension ISUE-CIRAS ISUE-CIRA	TCOM OCOM  BAC  PWD PWD BAC BAC BAC TAC TAC TAC TAC PWD PWD BCOM PWD
	Des Moines  Des Moines	Burlington  Burlington  Burlington  Burlington  West Burlington  Burlington  Burlington  Burlington  Burlington  Burlington  West Burlington  West Burlington  Burlington  West Burlington  Burlington  West Burlington	Des Moines County Auditors Des Moines County Inventors and Entrepreneurs Club - business start-up training and networking Iowa Workforce Development - Computer skills training Southeast Iowa Community Action Flint Cliffs Manufacturing T and T Technologies, Inc. R L Douglas Contracting Flint Cliffs Manufacturing Winegard Co Event in Des Moines County Vista Bakery Inc Borghi USA Inc. City of Burlington Ideal Ready Mix Burlington/West Burlington Chamber of Commerce and Grow Greater Burlington	Extension CED Extension CED Des Moines County Extension Des Moines County Extension ISU Extension ISU Extension ISUE-CIRAS ISUE-CIRA	TCOM OCOM  BAC  PWD PWD BAC BAC BAC TAC TAC TAC TAC TAC PWD PWD BCOM
	Des Moines  Des Moines	Burlington  Burlington  Burlington  Burlington  West Burlington  Burlington  Burlington  Burlington  Burlington  Burlington  West Burlington  West Burlington  Burlington  West Burlington  Burlington  Burlington  Burlington  Burlington  Burlington	Des Moines County Auditors Des Moines County Inventors and Entrepreneurs Club - business start-up training and networking lowa Workforce Development - Computer skills training Southeast Iowa Community Action Flint Cliffs Manufacturing T and T Technologies, Inc. R L Douglas Contracting Flint Cliffs Manufacturing Winegard Co Event in Des Moines County Vista Bakery Inc Borghi USA Inc. City of Burlington Ideal Ready Mix Burlington/West Burlington Chamber of Commerce and Grow Greater Burlington Southeast iowa Regional Coalition for Lifestyle Enha	Extension CED Extension CED Des Moines County Extension Des Moines County Extension ISU Extension ISUE-CIRAS I	TCOM OCOM  BAC  PWD PWD BAC BAC BAC TAC TAC TAC TAC PWD PWD BCOM PWD
	Des Moines  Des Moines	Burlington  Burlington  Burlington  Burlington  West Burlington  Burlington  Burlington  Burlington  Burlington  Burlington  Burlington  West Burlington  Burlington  West Burlington  Burlington  Burlington  Burlington  Burlington  Burlington  Burlington  Burlington  Mediapolis	Des Moines County Auditors Des Moines County Inventors and Entrepreneurs Club - business start-up training and networking lowa Workforce Development - Computer skills training Southeast Iowa Community Action Flint Cliffs Manufacturing T and T Technologies, Inc. R L Douglas Contracting Flint Cliffs Manufacturing Winegard Co Event in Des Moines County Vista Bakery Inc Borghi USA Inc. City of Burlington Ideal Ready Mix Burlington/West Burlington Chamber of Commerce and Grow Greater Burlington Southeast iowa Regional Coalition for Lifestyle Enha	Extension CED Extension CED Des Moines County Extension Des Moines County Extension ISU Extension ISUE-CIRAS I	TCOM OCOM  BAC PWD PWD BAC BAC BAC TAC TAC TAC TAC PWD PWD BCOM PWD TCOM
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				Extension	
	Dickinson	Spirit Lake	AreoPowder Coating	College of Business	FAC
	Dickinson	Arnolds Park	Arnolds Park	Landscape Architecture,	BCOM; TCOM
				IDRO	,
	Dickinson	Lake Park	Hardin Coffee Shop	IDRO	TCOM
	Dickinson	Milford	MIDAS Council of Government	CRP	TCOM
	Dickinson	West Okoboji	West Okoboji	Landscape Architecture,	BCOM
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	Dickinson	West Okoboji	West Okoboji	Landscape Architecture,	BCOM
				IDRO	
	Dickinson		Livestock producers and regulators	Extension CED	TCOM
	Dickinson	Milford	Stylecraft	ISU Extension	PWD
	Dickinson	Spirit Lake	Brown Medical Industry	ISU Extension	PWD
	Dickinson	Spirit Lake	Polaris	ISU Extension	PWD
	Dickinson	Spirit Lake	Pure Fishing/Outdoor Technology Group	ISU Extension	PWD
	Dickinson	Spirit Lake	Dickinson Co. Employees	ISU Extension	PWD
	Dickinson	Spirit Lake	Joyful Journeys Daycare	ISU Extension	PWD
			Kidsville Day Care Inc	ISU Extension	PWD
	Dickinson	Milford			
	Dickinson	Spirit Lake	Lakes Regional Healthcare	ISU Extension	PWD
	Dickinson	Lake Park	Northern Iowa Die Casting Inc	ISUE-CIRAS	TAC
	Dickinson	Spirit Lake	Joyful Journeys Daycare	Family Life Staff	PWD
	Dickinson	Milford	Kidsville Day Care Inc	Family Life Staff	PWD
	Dickinson	Okoboji	Dickinson Co.	CTRE/CP Tech	PWD
	Dickinson	Okoboji	Dickinson Co.	CTRE/CP Tech	PWD
	Dickinson		Dickinson County	Extension CED	TCOM/ PWD
ickinson County	27	ŕ			
		-		Midwest Grape & Wine	
	Dubuque	Dubuque	Upper Mississippi Grape Growers Assn	Industry Institute	FAC
	Dubuque	Dyersville	Distinctive Woodworks	College of Business	BAC
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	Dubuque	Asbury	Senior Planner	CRP	TCOM
	Dubuque	Asbury	Asbury	Landscape Architecture,	BCOM
				IDRO	
	Dubuque	Balltown	Balltown	Landscape Architecture,	BCOM
				IDRO	
	Dubuque	Cascade	Zoning office	CRP	TCOM
	Dubuque	Dubuque	Administrator	CRP	TCOM
	Dubuque	Dubuque	Bi-State Regional Commission	CRP	TCOM
	Dubuque	Dubuque	Planning & Zoning Comm. Member	CRP	TCOM
	Dubuque	Dubuque	Zoning Administrator	CRP	TCOM
	Dubuque	Jackson	Board of Adjustment	CRP	TCOM
	Dubuque	Jackson	Zoning Commissioner	CRP	TCOM
		Johnson	Planning & Zoning Comm. Member	CRP	
	Dubuque		Planning & Zoning Comm. Member		
	n .				TCOM
	Dubuque	Dubuque	John Deere	College of Engineering	PWD
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	Dubuque Dubuque	Dubuque Dubuque Farley Dubuque Dubuque Dubuque Asbury  Balltown  Cascade  Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque	John Deere  Weitz Sign CAI Students  Distance Education Students = 3 Hauns Specialty Meats Hy-Vee Asbury  Senior Planner  Balltown  Zoning office  Administrator  Bi-State Regional Commission  Dubuque East Central Intergovernmental Association NE Iowa Community Development Conference Planning & Zoning Comm. Member	College of Engineering IPRT Company Assistance- NDE Crop Advisor Institute Brenton Ctr for Ag Instruction Meat Science Extension Landscape Architecture, IDRO Extension CED, CRP Extension Landscape Architecture, IDRO Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED	PWD TAC PWD PWD PWD BCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM T
	Dubuque Dubuque	Dubuque Dubuque Farley Dubuque Dubuque Dubuque Dubuque Asbury Asbury Balltown Cascade Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque	John Deere  Weitz Sign CAI Students  Distance Education Students = 3 Hauns Specialty Meats Hy-Vee Asbury  Senior Planner  Balltown  Zoning office  Administrator  Bi-State Regional Commission  Dubuque East Central Intergovernmental Association NE Iowa Community Development Conference Planning & Zoning Comm. Member  Zoning Administrator	College of Engineering IPRT Company Assistance- NDE Crop Advisor Institute Brenton Ctr for Ag Instruction Meat Science Extension Landscape Architecture, IDRO Extension CED, CRP Extension Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP	PWD TAC PWD PWD PWD PWD BCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM T
	Dubuque Dubuque	Dubuque Dubuque Farley Dubuque Dubuque Dubuque Asbury  Balltown  Cascade  Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque	John Deere  Weitz Sign CAI Students  Distance Education Students = 3 Hauns Specialty Meats Hy-Vee Asbury  Senior Planner  Balltown  Zoning office  Administrator  Bi-State Regional Commission  Dubuque East Central Intergovernmental Association NE Iowa Community Development Conference Planning & Zoning Comm. Member	College of Engineering IPRT Company Assistance- NDE Crop Advisor Institute Brenton Ctr for Ag Instruction Meat Science Extension Landscape Architecture, IDRO Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP Extension Extension CED, CRP	PWD TAC PWD PWD PWD BCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM T
	Dubuque Dubuque	Dubuque Dubuque Farley Dubuque Dubuque Dubuque Dubuque Asbury Asbury Balltown Cascade Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque Dubuque	John Deere  Weitz Sign CAI Students  Distance Education Students = 3 Hauns Specialty Meats Hy-Vee Asbury  Senior Planner  Balltown  Zoning office  Administrator  Bi-State Regional Commission  Dubuque East Central Intergovernmental Association NE Iowa Community Development Conference Planning & Zoning Comm. Member  Zoning Administrator	College of Engineering IPRT Company Assistance- NDE Crop Advisor Institute Brenton Ctr for Ag Instruction Meat Science Extension Landscape Architecture, IDRO Extension CED, CRP Extension Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP	PWD TAC PWD PWD PWD PWD BCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM T

	Dubuque	Jackson	Zoning Commissioner	Extension CED, CRP	TCOM
	Dubuque	Jackson	Zoning Commissioner	Extension	TOOW
	Dubuque		Silos & Smokestacks National Heritage Area	Extension CED	ОСОМ
	Dubuque	Peosta	crop farms	Robert Tigner	BAC
	Dubuque	Dubuque	Operation New View	ISU Extension	ОСОМ
	Dubuque		Event in Dubuque County	ISUE-CIRAS	FAC
	Dubuque		Event in Dubuque County	ISUE-CIRAS	FAC
	Dubuque	Dubuque	Bradley Iron Works Inc	ISUE-CIRAS	TAC
	Dubuque	Peosta	Premier Tooling Inc	ISUE-CIRAS	TAC
	Dubuque	Peosta	Captive Plastics Inc	ISUE-CIRAS	TAC
	Dubuque	New Vienna	Taylor Construction	ISUE-CIRAS	BAC
	Dubuque	Dubuque	Country Charm Carpet Cleaning and Upholstery	ISUE-CIRAS	BAC
	Dubuque	Dubuque	Frazier Construction Administration, Inc.	ISUE-CIRAS	BAC
	Dubuque	Dyersville	Haasco Ltd.	ISUE-CIRAS	BAC
	Dubuque	Dyersville	Custom Fabrication Machine and Design, Inc.	ISUE-CIRAS	BAC
	Dubuque	Farley	EIMCO Inc	ISUE-CIRAS	BAC
	Dubuque	Dubuque	Higley Industries Inc	ISUE-CIRAS	BAC
	Dubuque	Dubuque	Dubuque Sash and Door Mfg	ISUE-CIRAS	BAC
	Dubuque		Event in Dubuque County	ISUE-CIRAS	TAC
	Dubuque	Dubuque	Morrison Brothers Co (24th and Elm)	ISUE-CIRAS	TAC
	Dubuque	Dubuque	Morrison Brothers Co (24th and Elm)	ISUE-CIRAS	TAC
	Dubuque	Peosta	Trappist Caskets	ISUE-CIRAS	TAC
	Dubuque	Dubuque	Dubuque Sash and Door Mfg	ISUE-CIRAS	TAC
	Dubuque	Dubuque	John Deere - Dubuque Works	ISUE-CIRAS	TAC
	Dubuque	Dubuque	Barnstead International	ISUE-CIRAS	TAC
	Dubuque	Farley	EIMCO Inc	ISUE-CIRAS	TAC
	Dubuque	Dubuque	Dubuque Screw Products Inc	ISUE-CIRAS	TAC
	Dubuque	Dyersville	Lumber Specialties Ltd	ISUE-CIRAS	TAC
	Dubuque		Event in Dubuque County	ISUE-CIRAS	TAC
	Dubuque		Event in Dubuque County	ISUE-CIRAS	TAC
	Dubuque	Dubuque	City of Dubuque	CTRE/CP Tech	PWD
	Dubuque	Dubuque	IIW Engineers & Surveyors PC	CTRE/CP Tech	PWD
	Dubuque	Dyersville	Bard Concrete	CTRE/CP Tech	PWD
	Dubuque	Cascade	Cascade	Landscape Architecture, IDRO	BCOM
Dubuque County	Dubuque 66		Dubuque County Auditors	Extension CED	ОСОМ
Jubuque County	Emmet	Esterville	Dakota Pack	Meat Science Extension	PWD
	Emmet	LOCOL VIIIO	Emmet County	Extension CED	PWD
	Emmet	Estherville	Estherville-Lincoln Centrat	ISU Extension	PWD
	Emmet	Estherville	Satern Custom Machining Inc.	ISUE-CIRAS	FAC
	Emmet	Estherville	Satern Custom Machining Inc.	ISUE-CIRAS	BAC
	Emmet	Estherville	Estherville-Lincoln Centrat	Family Life Staff	PWD
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	Emmet	Estherville	Jacobson-Westergard & Associates Inc.	CTRF/CP Tech	PWD
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Emmet County	Emmet		Jacobson-Westergard & Associates, Inc. Emmet County Auditors	CTRE/CP Tech Extension CED	PWD OCOM
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Emmet County	Emmet 8		Emmet County Auditors	Extension CED  Brenton Ctr for Ag	ОСОМ
Emmet County	Emmet			Extension CED  Brenton Ctr for Ag Instruction	
Emmet County	Emmet 8	Armstrong	Emmet County Auditors  Distance Education Students = 1	Extension CED  Brenton Ctr for Ag Instruction Brenton Ctr for Ag	OCOM
	Emmet 8	Armstrong Wallingford	Emmet County Auditors	Extension CED  Brenton Ctr for Ag Instruction	ОСОМ
Emmet County  Emmett County	Emmet 8 Emmett Emmett	Armstrong Wallingford	Emmet County Auditors  Distance Education Students = 1  Distance Education Students = 1	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction	PWD PWD 2
	Emmet 8 Emmett Emmett 2 Fayette	Armstrong Wallingford Fayette	Emmet County Auditors  Distance Education Students = 1  Distance Education Students = 1  Zoning	Extension CED  Brenton Ctr for Ag Instruction Brenton Ctr for Ag	OCOM PWD
	Emmet 8 Emmett Emmett	Armstrong Wallingford	Emmet County Auditors  Distance Education Students = 1  Distance Education Students = 1  Zoning Planning Commission	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP	PWD PWD 2 TCOM
	Emmet  Emmett  Emmett  Fayette Fayette Fayette Fayette	Armstrong Wallingford Fayette Oelwein	Emmet County Auditors  Distance Education Students = 1  Distance Education Students = 1  Zoning	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP CRP	PWD PWD 2 TCOM TCOM
	Emmet 8 Emmett Emmett 2 Fayette Fayette	Armstrong Wallingford Fayette Oelwein Upper Explorerland	Emmet County Auditors  Distance Education Students = 1  Distance Education Students = 1  Zoning Planning Commission Building & Zoning	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP CRP CRP CRP	PWD PWD 2 TCOM TCOM TCOM
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	Emmet  Emmett  Emmett  Emyette Fayette Fayette Fayette Fayette	Armstrong Wallingford  Fayette Oelwein Upper Explorerland West Union	Emmet County Auditors  Distance Education Students = 1  Distance Education Students = 1  Zoning Planning Commission Building & Zoning West Union	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP CRP CRP CRP Landscape Architecture, IDRO	PWD PWD 2 TCOM TCOM TCOM BCOM
	Emmet  Emmett  Emmett  Emyette Fayette Fayette Fayette Fayette	Armstrong Wallingford  Fayette Oelwein Upper Explorerland West Union	Emmet County Auditors  Distance Education Students = 1  Distance Education Students = 1  Zoning Planning Commission Building & Zoning West Union	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP  CRP  CRP  Landscape Architecture, IDRO  College of Engineering	PWD PWD 2 TCOM TCOM TCOM BCOM
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	Emmet  Emmett  Emmett  Fayette Fayette Fayette Fayette Fayette Fayette	Armstrong Wallingford Fayette Oelwein Upper Explorerland West Union West Union	Emmet County Auditors  Distance Education Students = 1  Distance Education Students = 1  Zoning Planning Commission Building & Zoning West Union  Fayette County Economic Development	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP  CRP  CRP  Landscape Architecture, IDRO  College of Engineering Brenton Ctr for Ag Instruction	PWD PWD 2 TCOM TCOM TCOM BCOM BCOM
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	Emmet  Emmett  Emmett  Emmett  Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette	Armstrong Wallingford  Fayette Oelwein Upper Explorerland West Union West Union Oelwein	Emmet County Auditors  Distance Education Students = 1  Distance Education Students = 1  Zoning Planning Commission Building & Zoning West Union  Fayette County Economic Development  Distance Education Students = 1	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP CRP CRP Landscape Architecture, IDRO College of Engineering Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction	PWD PWD 2 TCOM TCOM TCOM BCOM BCOM PWD
	Emmet  Emmett  Emmett  Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette	Armstrong Wallingford Fayette Oelwein Upper Explorerland West Union West Union Oelwein Randalia	Emmet County Auditors  Distance Education Students = 1  Distance Education Students = 1  Zoning Planning Commission Building & Zoning  West Union  Fayette County Economic Development  Distance Education Students = 1  Distance Education Students = 2	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP  CRP  CRP  Landscape Architecture, IDRO  College of Engineering  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  College of Engineering / ABE (PLTW)	PWD PWD 2 TCOM TCOM TCOM BCOM BCOM PWD PWD
	Emmet  Emmett  Emmett  Emmett  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette	Armstrong Wallingford  Fayette Oelwein Upper Explorerland West Union West Union Oelwein Randalia Oelwein	Emmet County Auditors  Distance Education Students = 1  Distance Education Students = 1  Zoning Planning Commission Building & Zoning  West Union  Fayette County Economic Development  Distance Education Students = 1  Distance Education Students = 2	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP CRP CRP Landscape Architecture, IDRO College of Engineering Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction College of Engineering / ABE (PLTW) Brenton Ctr for Ag	PWD PWD 2 TCOM TCOM TCOM BCOM BCOM PWD PWD
	Emmet  Emmett  Emmett  Emmett  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette	Armstrong Wallingford Fayette Oelwein Upper Explorerland West Union West Union Oelwein Randalia Oelwein Arlington	Emmet County Auditors  Distance Education Students = 1  Distance Education Students = 1  Zoning Planning Commission Building & Zoning  West Union  Fayette County Economic Development  Distance Education Students = 1  Distance Education Students = 2  Oelwein Comm. Schools  PSEOA Distance Education Students = 1	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP  CRP  CRP  Landscape Architecture, IDRO  College of Engineering Brenton Ctr for Ag Instruction  College of Engineering / ABE (PLTW) Brenton Ctr for Ag Instruction	PWD PWD 2 TCOM TCOM TCOM BCOM BCOM PWD PWD PWD PWD
	Emmet  Emmett  Emmett  Emmett  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette	Armstrong Wallingford  Fayette Oelwein Upper Explorerland West Union West Union Oelwein Randalia Oelwein	Emmet County Auditors  Distance Education Students = 1  Zoning Planning Commission Building & Zoning West Union  Fayette County Economic Development  Distance Education Students = 1  Distance Education Students = 2  Oelwein Comm. Schools  PSEOA Distance Education Students = 1  Tony's Wadena Locker	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP CRP CRP Landscape Architecture, IDRO College of Engineering Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction College of Engineering / ABE (PLTW) Brenton Ctr for Ag Instruction  College of Engineering / ABE (PLTW) Brenton Ctr for Ag Instruction	PWD PWD 2 TCOM TCOM TCOM BCOM BCOM PWD PWD OCOM
	Emmet  Emmett  Emmett  Emmett  Fayette	Armstrong Wallingford Fayette Oelwein Upper Explorerland West Union West Union Oelwein Randalia Oelwein Arlington Wadena Fayette	Emmet County Auditors  Distance Education Students = 1  Distance Education Students = 1  Zoning Planning Commission Building & Zoning  West Union  Fayette County Economic Development  Distance Education Students = 1  Distance Education Students = 2  Oelwein Comm. Schools  PSEOA Distance Education Students = 1  Tony's Wadena Locker Patitison Brothers	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP CRP CRP Landscape Architecture, IDRO College of Engineering Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  College of Engineering / ABE (PLTW)  Brenton Ctr for Ag Instruction  College of Engineering / ABE (PLTW)  Brenton Ctr for Ag Instruction  Meat Science Extension ISURF	PWD PWD 2 TCOM TCOM TCOM BCOM BCOM PWD PWD OCOM PWD PWD TT
	Emmet  Emmett  Emmett  Emmett  Fayette	Armstrong Wallingford  Fayette Oelwein Upper Explorerland West Union West Union Oelwein Randalia Oelwein Arlington Wadena Fayette Fayette	Emmet County Auditors  Distance Education Students = 1  Zoning Planning Commission Building & Zoning West Union  Fayette County Economic Development  Distance Education Students = 1  Distance Education Students = 2  Oelwein Comm. Schools  PSEOA Distance Education Students = 1  Tony's Wadena Locker	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP CRP CRP Landscape Architecture, IDRO College of Engineering Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction College of Engineering / ABE (PLTW) Brenton Ctr for Ag Instruction  College of Engineering / ABE (PLTW) Brenton Ctr for Ag Instruction	PWD PWD TCOM TCOM TCOM TCOM BCOM BCOM PWD PWD PWD PWD PWD
,	Emmet  Emmett  Emmett  Emmett  Fayette Fayette Fayette Fayette  Fayette	Armstrong Wallingford Fayette Oelwein Upper Explorerland West Union West Union Oelwein Randalia Oelwein Arlington Wadena Fayette Fayette Fayette	Emmet County Auditors  Distance Education Students = 1  Zoning Planning Commission Building & Zoning West Union  Fayette County Economic Development  Distance Education Students = 1  Distance Education Students = 2  Oelwein Comm. Schools  PSEOA Distance Education Students = 1  Tony's Wadena Locker Pattison Brothers Pattison Brothers  Pattison Brothers  Pattison Brothers  Pattison Brothers	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP CRP CRP Landscape Architecture, IDRO College of Engineering Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction College of Engineering / ABE (PLTW) Brenton Ctr for Ag Instruction Instruction College of Engineering / ABE (PLTW) Brenton Ctr for Ag Instruction ISURF	PWD PWD TCOM TCOM TCOM BCOM PWD PWD PWD PWD TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
,	Emmet  Emmett  Emmett  Emmett  Fayette	Armstrong Wallingford Fayette Oelwein Upper Explorerland West Union West Union Oelwein Randalia Oelwein Arlington Wadena Fayette Fayette Fayette Fayette	Emmet County Auditors  Distance Education Students = 1  Distance Education Students = 1  Zoning Planning Commission Building & Zoning  West Union  Fayette County Economic Development  Distance Education Students = 1  Distance Education Students = 2  Oelwein Comm. Schools  PSEOA Distance Education Students = 1  Tonys Wadena Locker Pattison Brothers Pattison Brothers	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP  CRP  CRP  Landscape Architecture, IDRO  College of Engineering  Brenton Ctr for Ag Instruction  College of Engineering / ABE (PLTW)  Brenton Ctr for Ag Instruction  College of Engineering / ABE (PLTW)  Brenton Ctr for Ag Instruction  Meat Science Extension ISURF  ISURF	PWD PWD 2 TCOM TCOM TCOM BCOM BCOM PWD PWD PWD TTT TT TT
,	Emmet  Emmett  Emmett  Emmett  Fayette Fayette Fayette Fayette  Fayette	Armstrong Wallingford  Fayette Oelwein Upper Explorerland West Union  West Union Oelwein Randalia Oelwein Arlington Wadena Fayette Fayette Fayette Fayette Fayette Fayette	Emmet County Auditors  Distance Education Students = 1  Zoning Planning Commission Building & Zoning West Union  Fayette County Economic Development  Distance Education Students = 1  Distance Education Students = 2  Oelwein Comm. Schools  PSEOA Distance Education Students = 1  Tony's Wadena Locker Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP  CRP  CRP  Landscape Architecture, IDRO  College of Engineering  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  College of Engineering / ABE (PLTW)  Brenton Ctr for Ag Instruction  ISURF ISURF ISURF	PWD PWD TCOM TCOM TCOM TCOM BCOM  BCOM PWD PWD PWD TT TT TT TT
	Emmet  Emmett  Emmett  Emmett  Fayette	Armstrong Wallingford  Fayette Oelwein Upper Explorerland West Union West Union Oelwein Randalia Oelwein Arlington Wadena Fayette	Emmet County Auditors  Distance Education Students = 1  Distance Education Students = 1  Zoning Planning Commission Building & Zoning  West Union  Fayette County Economic Development  Distance Education Students = 1  Distance Education Students = 2  Oelwein Comm. Schools  PSEOA Distance Education Students = 1  Tony's Wadena Locker Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP CRP CRP Landscape Architecture, IDRO College of Engineering Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  College of Engineering / ABE (PLTW)  Brenton Ctr for Ag Instruction  Meat Science Extension ISURF ISURF ISURF ISURF	PWD PWD TCOM TCOM TCOM BCOM PWD PWD PWD PWD TTT TT TT TT TT
	Emmet  Emmett  Emmett  Emmett  Fayette	Armstrong Wallingford  Fayette Oelwein Upper Explorerland West Union  West Union Oelwein Randalia Oelwein Arlington Wadena Fayette Fayette Fayette Fayette Fayette Fayette	Emmet County Auditors  Distance Education Students = 1  Distance Education Students = 1  Zoning Planning Commission Building & Zoning  West Union  Fayette County Economic Development  Distance Education Students = 1  Distance Education Students = 2  Oelwein Comm. Schools  PSEOA Distance Education Students = 1  Tonys Wadena Locker Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP CRP CRP Landscape Architecture, IDRO College of Engineering Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  College of Engineering / ABE (PLTW)  Brenton Ctr for Ag Instruction  Meat Science Extension ISURF ISURF ISURF	PWD PWD  TCOM TCOM TCOM BCOM  PWD  PWD  PWD  TT  TT  TT  TT  TT  TT
	Emmet  Emmett  Emmett  Emmett  Fayette Fayette Fayette Fayette  Fayette	Armstrong Wallingford Fayette Oelwein Upper Explorerland West Union West Union Oelwein Randalia Oelwein Arlington Wadena Fayette	Emmet County Auditors  Distance Education Students = 1  Zoning Planning Commission Building & Zoning West Union  Fayette County Economic Development  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 2  Oelwein Comm. Schools  PSEOA Distance Education Students = 1  Tony's Wadena Locker Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers NE lowa Community Development Conference	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP  CRP  CRP  Landscape Architecture, IDRO  College of Engineering  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  College of Engineering / ABE (PLTW)  Brenton Ctr for Ag Instruction  College of Engineering / Instruction  College of Engineering / Instruction  Meat Science Extension  ISURF  ISURF  ISURF  ISURF  ISURF  ISURF  ISURF  Extension CED	PWD PWD 2 TCOM TCOM TCOM BCOM  PWD PWD PWD PWD TT TT TT TT TT TT TT FAC
,	Emmet  Emmett  Emmett  Emmett  Fayette Fayette Fayette Fayette  Fayette	Armstrong Wallingford Fayette Oelwein Upper Explorerland West Union West Union Oelwein Randalia Oelwein Arlington Wadena Fayette	Emmet County Auditors  Distance Education Students = 1  Zoning Planning Commission Building & Zoning West Union  Fayette County Economic Development  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 2  Oelwein Comm. Schools  PSEOA Distance Education Students = 1  Tony's Wadena Locker Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers NE lowa Community Development Conference	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP  CRP  CRP  CRP  Landscape Architecture, IDRO  College of Engineering Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  College of Engineering / ABE (PLTW)  Brenton Ctr for Ag Instruction  Meat Science Extension ISURF ISURF ISURF ISURF ISURF ISURF ISURF ISURF Extension CED	PWD PWD 2 TCOM TCOM TCOM BCOM  PWD PWD PWD PWD TT TT TT TT TT TT TT FAC
,	Emmet  Emmett  Emmett  Emmett  Fayette Fayette Fayette Fayette  Fayette	Armstrong Wallingford  Fayette Oelwein Upper Explorerland West Union  Oelwein Randalia Oelwein Arlington Wadena Fayette	Emmet County Auditors  Distance Education Students = 1  Zoning Planning Commission Building & Zoning West Union  Fayette County Economic Development  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 2  Oelwein Comm. Schools  PSEOA Distance Education Students = 1  Tony's Wadena Locker Pattison Brothers	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP CRP CRP Landscape Architecture, IDRO College of Engineering Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  College of Engineering / ABE (PLTW)  Brenton Ctr for Ag Instruction  Meat Science Extension ISURF ISURF ISURF ISURF ISURF ISURF ISURF ISURF Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED	PWD PWD TCOM BCOM PWD PWD PWD PWD PWD TTT TT TT TT TT TT TT TT TT TT TT TT T
,	Emmet  Emmett  Emmett  Emmett  Fayette	Armstrong Wallingford  Fayette Oelwein Upper Explorerland West Union West Union Oelwein Randalia Oelwein Arlington Wadena Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Found Fayette Found	Emmet County Auditors  Distance Education Students = 1  Zoning Planning Commission Building & Zoning West Union  Fayette County Economic Development  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 2  Oelwein Comm. Schools  PSEOA Distance Education Students = 1  Tony's Wadena Locker Pattison Brothers	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP CRP CRP Landscape Architecture, IDRO College of Engineering Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  ISURF ISURF ISURF ISURF ISURF ISURF ISURF ISURF ISURF ISURF ISURF Extension CED Extension CED Extension CED Extension CED Extension CED	PWD PWD  TCOM TCOM TCOM BCOM  PWD  PWD  PWD  PWD  TTT  TT  TT  TT  TT  TT  TT  TT  TT
	Emmet  Emmett  Emmett  Emmett  Fayette Fayette Fayette Fayette Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette	Armstrong Wallingford  Fayette Oelwein Upper Explorerland West Union West Union Oelwein Randalia Oelwein Arlington Wadena Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Found Fayette Found	Emmet County Auditors  Distance Education Students = 1  Distance Education Students = 1  Zoning Planning Commission Building & Zoning  West Union  Fayette County Economic Development  Distance Education Students = 1  Distance Education Students = 2  Oelwein Comm. Schools  PSEOA Distance Education Students = 1  Tony's Wadena Locker Pattison Brothers	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP  CRP  CRP  Landscape Architecture, IDRO  College of Engineering Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  College of Engineering / ABE (PLTW)  Brenton Ctr for Ag Instruction  College of Engineering / Instruction  College of Engineering / Instruction  Meat Science Extension  ISURF  ISURF  ISURF  ISURF  ISURF  ISURF  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED	PWD PWD  TCOM TCOM TCOM BCOM  PWD  PWD  PWD  PWD  TTT  TT  TT  TT  TT  TT  TT  TT  TT
	Emmet  Emmett  Emmett  Emmett  Fayette	Armstrong Wallingford  Fayette Oelwein Upper Explorerland West Union West Union Oelwein Randalia Oelwein Arlington Wadena Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Foundary Fayette Foundary Fayette Foundary Foun	Emmet County Auditors  Distance Education Students = 1  Zoning Planning Commission Building & Zoning West Union  Fayette County Economic Development  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 2  Oelwein Comm. Schools  PSEOA Distance Education Students = 1  Tony's Wadena Locker Pattison Brothers	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP  CRP  CRP  CRP  Landscape Architecture, IDRO  College of Engineering Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  College of Engineering / ABE (PLTW) Brenton Ctr for Ag Instruction  Meat Science Extension ISURF ISURF ISURF ISURF ISURF ISURF ISURF Extension CED	PWD PWD TCOM TCOM TCOM TCOM TCOM BCOM  BCOM PWD PWD PWD TT TT TT TT TT TT TT TT TT TT TT TT TT
	Emmet  Emmett  Emmett  Emmett  Fayette Fayette Fayette Fayette Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette  Fayette	Armstrong Wallingford  Fayette Oelwein Upper Explorerland West Union West Union Oelwein Randalia Oelwein Arlington Wadena Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Foundary Fayette Foundary Fayette Foundary Foun	Emmet County Auditors  Distance Education Students = 1  Zoning Planning Commission Building & Zoning West Union  Fayette County Economic Development  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 2  Oelwein Comm. Schools  PSEOA Distance Education Students = 1  Tony's Wadena Locker Pattison Brothers	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP CRP CRP Landscape Architecture, IDRO College of Engineering Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Meat Science Extension ISURF ISURF ISURF ISURF ISURF ISURF ISURF ISURF ISURF Extension CED, CRP	PWD PWD TCOM TCOM TCOM TCOM TCOM BCOM  BCOM PWD PWD PWD TT TT TT TT TT TT TT TT TT TT TT TT TT
	Emmet  Emmett  Emmett  Emmett  Fayette	Armstrong Wallingford  Fayette Oelwein Upper Explorerland West Union West Union Oelwein Randalia Oelwein Arlington Wadena Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Oelwein Oelwein Upper Explorerland	Emmet County Auditors  Distance Education Students = 1  Zoning Planning Commission Building & Zoning  West Union  Fayette County Economic Development  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 2  Oelwein Comm. Schools  PSEOA Distance Education Students = 1  Tony's Wadena Locker Pattison Brothers NE lowa Community Development Conference Zoning  NE lowa Community Development Conference Planning Commission	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP CRP CRP Landscape Architecture, IDRO College of Engineering Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  ISURF I	PWD PWD  TCOM TCOM TCOM TCOM BCOM  PWD  PWD  PWD  OCOM  PWD  TTT  TT  TT  TT  TT  TT  TT  TT  TT
,	Emmet  Emmett  Emmett  Emmett  Fayette Fayette Fayette Fayette Fayette  Fayette	Armstrong  Wallingford  Fayette Oelwein Upper Explorerland West Union  West Union  Oelwein  Randalia  Oelwein  Arlington Wadena Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Fayette Oelwein  Oelwein  Upper Explorerland  West Union	Emmet County Auditors  Distance Education Students = 1  Zoning Planning Commission Building & Zoning West Union  Fayette County Economic Development  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 2  Oelwein Comm. Schools  PSEOA Distance Education Students = 1  Tony's Wadena Locker Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers Pattison Brothers NE Iowa Community Development Conference Zoning  NE Iowa Community Development Conference Planning Commission  Building & Zoning  NE Iowa Community Development Conference	Extension CED  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CRP  CRP  CRP  Landscape Architecture, IDRO  College of Engineering Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  College of Engineering / ABE (PLTW)  Brenton Ctr for Ag Instruction  College of Engineering / ABE (PLTW)  Brenton Ctr for Ag Instruction  Meat Science Extension  ISURF  ISURF  ISURF  ISURF  ISURF  ISURF  ISURF  Extension CED	PWD PWD  TCOM TCOM TCOM TCOM TCOM BCOM  PWD PWD  PWD  PWD  TT  TT  TT  TT  TT  TT  TT  TT  TT

	Fayette		NE Iowa Food & Farm Coalition	CD-DIAL - Sociology	BAC
	- "		07 00 1 1 1 1 1 7	Extension	00011
	Fayette		Silos & Smokestacks National Heritage Area	Extension CED	OCOM
	Fayette		Northeast Iowa Food & Farm Coalition	Fayette County Extension	BCOM
	Fayette	\A/	Northeast Iowa Food & Fitness Initiative	Fayette County Extension	BCOM PWD
	Fayette	West Union	Stoney Brook Village	ISU Extension	
	Fayette	West Union	Imperial Roof Systems Co.	ISUE-CIRAS	BAC
	Fayette	Clermont	Fayette Co.	CTRE/CP Tech	PWD
Fayette County	Fayette 32		Fayette County	Extension CED	TCOM
rayette County	Floyd	Charles City	Charles City	Landscape Architecture,	всом
	Floyd	Floyd	Floyd	IDRO Landscape Architecture,	BCOM
	,	,		IDRO	
	Floyd	Floyd	Building Official	CRP	TCOM
	Floyd	Marble Rock	Marble Rock	Landscape Architecture, IDRO	BCOM
	Floyd	Charles City	Farm Bureau	College of Engineering	всом
	Floyd	Charles City	Diversified Fastening Systems	IPRT Company Assistance- Materials	TAC
	,	,	,	Agricultural & Biosystem	
	Floyd	Charles City	Cambrex	Engineering - STIR Brenton Ctr for Ag	TAC
	Floyd	Rudd	Distance Education Students = 1	Instruction	PWD
	Floyd	Charles City	Distance Education Students = 3	Brenton Ctr for Ag Instruction	PWD
				Brenton Ctr for Ag	
	Floyd	Floyd	Distance Education Students = 4	Instruction	PWD
	Floyd	Charles city	Floyd County Soil/Water Conservation District	Northeast Research Farm, ISU	FAC
	Floyd	Charles City  Charles City	Charles City	Landscape Architecture,	BCOM
	,	,	,	IDRO	
	Floyd	Charles City	NE Iowa Community Development Conference	Extension CED	FAC
	Floyd	Floyd	Floyd	Landscape Architecture,	BCOM
	Floyd	Floyd	Building Official	IDRO Extension CED, CRP	ТСОМ
	Florid	Markla David	Markla Davis	Extension	DOOM
	Floyd	Marble Rock	Marble Rock	Landscape Architecture, IDRO	BCOM
	Floyd	Nora Springs	NE Iowa Community Development Conference	Extension CED	FAC
	Floyd	Charles City	Filipino Community	ISU Extension	OCOM
	Floyd	Charles City	Diversified Fastening Systems	ISUE-CIRAS	TAC
	Floyd	Charles City	Diversified Fastening Systems	ISUE-CIRAS	TAC
	Floyd	Charles City	Winnebago Industries Inc - Charles City	ISUE-CIRAS	TAC
	Floyd	Charles City	Winnebago Industries Inc - Charles City	ISUE-CIRAS	TAC
	Floyd	Charles City	Winnebago Industries Inc - Charles City	ISUE-CIRAS	TAC
	Floyd	Charles City	Winnebago Industries Inc - Charles City	ISUE-CIRAS	TAC
	Floyd	Charles City	Winnebago Industries Inc - Charles City	ISUE-CIRAS	TAC
	Floyd	Charles City	Allied Construction	CTRE/CP Tech	PWD
	Floyd	Charles City	City of Charles City	CTRE/CP Tech	PWD
	Floyd	Charles City	Iowa DOT	CTRE/CP Tech	PWD
	Floyd		Floyd County Auditors	Extension CED	OCOM
	Floyd		Silos & Smokestacks National Heritage Area	Extension CED	OCOM
Floyd County	30				3
	Franklin	Hampton	unknown	CRP	TCOM
				IPRT Company Assistance-	
	Franklin	Hampton	Hampton Hydraulics	Materials IPRT Company Assistance-	TAC
	Franklin	Hampton	Seabee Corporation	NDE	TAC
	Franklin	Hampton	Distance Education Students = 1	Brenton Ctr for Ag Instruction	PWD
	Franklin	Alexander	Latham Seed Co	ISURF	TT
	Franklin	Alexander	Latham Seed Co	ISURF	TT
	Franklin	Alexander	Latham Seed Co	ISURF	TT
	Franklin		Franklin Co Public Health	Extension CED	PWD
	Franklin	Hampton Hampton	unknown	Extension CED, CRP	TCOM
		,		Extension	
	Franklin	Hampton	Hampton-Dumont Community School	4-H Youth Development	OCOM
	Franklin	Hampton	Franklin Wellness Center	4-H Youth Development	OCOM
	Franklin	Latimer	CAL Community School	4-H Youth Development	OCOM
	Franklin	Latimer	Cub Cadet Childhood Center	4-H Youth Development	OCOM
	Franklin	Hampton	Hampton 2017	Franklin County Extension	BCOM BCOM
	Franklin	Hampton	Harriman Nielsen Historic Farm Sukup Manufacturing Co	Franklin County Extension	TAC
	Franklin	Sheffield		ISUE-CIRAS	
	Franklin	Hampton	Hampton-Hydraulics LLC	ISUE-CIRAS	TAC PWD
	Franklin Franklin	Hampton	Franklin Co. Silos & Smokestacks National Heritage Area	CTRE/CP Tech Extension CED	OCOM
Franklin County	Frankiin 19		Once a Ontorestacks Ivational Penlage Area	EXIGNOID GED	1 1
,	Fremont	Hamburg	Green Valley Realty	College of Engineering	BAC
		Sidney	Fremont Economic Development Council	College of Engineering	BCOM, BAC
	Fremont				
	Fremont Fremont	Sidney	Sidney Manufcturing	College of Engineering	TAC
			Sidney Manufcturing		

				Brenton Ctr for Ag	
	Fremont	Sidney	Distance Education Students = 2	Instruction	PWD
	Fremont Fremont		Bateman's Services Rural Development Summit	Extension CED Extension CED	FAC/ BCOM FAC
	Fremont		Southwest Iowa Coalition	Extension CED	FAC
	Fremont	Shenandoah	Great Plains Renewable Energy	Darrell Busby SW IA Beef Speciailist Midwest Grape & Wine	BAC
	Fremont	Sidney	Western IA Grape Growers Assn	Industry Institute	FAC
	Fremont	all communities	Volunteer Income Tax Assistance	ISU Extension	OCOM
	Fremont		Emerald Hills Dairy Consortium	Extension CED	BAC
	Fremont		Fremont County Economic Development Corp.	Extension CED	BCOM
	Fremont		Great Western Bank - Hamburg	Extension CED	FAC/ BCOM
	Fremont		Great Western Bank - Sidney	Extension CED	FAC/ BCOM
	Fremont		Multi-State Regional Development	Extension CED	FAC
	Fremont Fremont		Nishna Productions Regional Marketing	Extension CED Extension CED	TAC BCOM
	Fremont		Renew Rural Iowa	Extension CED	FAC
	Fremont		Rural Development Resource Center	Extension CED	FAC
	Fremont		Rural Development Resource Center: Grow Iowa	Extension CED	BAC/ TCOM/ FAC
			Fund; Wallace Fund; Southwest Iowa Coalition		всом
	Fremont		Southwest Iowa Latino Resource Center	Extension CED	BAC
Fremont County	22				2
•	Greene	Jefferson	MicroSoy	OIPTT	BAC
	Greene	Jefferson	City Administrator	CRP	TCOM
	Greene	Jefferson	Greene County Development Corp.	CRP IPRT Company Assistance-	ВСОМ
	Greene	Jefferson	American Athletic, Inc.	Materials	TAC
	Greene	Jefferson	Distance Education Students = 1	Brenton Ctr for Ag Instruction	PWD
	Greene	Jefferson	Micro Soy	CCUR	FAC, TAC
	Greene	Jefferson	Microsoy Corp	Meat Science Extension	PWD
	Greene	Jefferson Jefferson	Micro Soy	CCUR	FAC
	Greene	Jefferson	City Administrator	Extension CED, CRP	TCOM
	Greene	Jefferson	Greene County Development Corp.	Extension Extension CED, CRP Extension	ВСОМ
	Greene		Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition	Extension CED	BAC/ TCOM/ FAC BCOM
				Midwest Grape & Wine	
	Greene	Jefferson	DRS Manufacturing	Industry Institute	BAC
	Greene	Jefferson	Child Care Providers	ISU Extension	PWD
	Greene	Jefferson	American Athletic Inc	ISUE-CIRAS	TAC
	Greene	Scranton	Scranton Manufacturing Co Inc	ISUE-CIRAS	TAC
	Greene	Scranton	Scranton Manufacturing Co Inc	ISUE-CIRAS	TAC
	Greene	Scranton	Scranton Manufacturing Co Inc	ISUE-CIRAS	TAC
	Greene	Scranton	Scranton Manufacturing Co Inc	ISUE-CIRAS	
	Greene	Scranton	Scranton Manufacturing Co Inc	ISUE-CIRAS CTRE/CP Tech	TAC PWD
	Greene	Jefferson	Iowa DOT	CCUR	FAC
	Greene	Jefferson Jefferson	Micro Soy		
	Greene		American Athletics, Inc.	Kinesiology	TAC
	Greene	Jefferson	Distillers Grain Beef Meeting	Greene County Extension	FAC OCOM
	Greene		Greene County Auditors  Midwest Partnership Corporation	Extension CED Extension CED	FAC/ BCOM
	Greene Greene		Rural Development Summit	Extension CED	FAC/ BCOM
					TCOM,
	Greene	Jefferson	City of Jefferson	Greene County Extension	BAC,BCOM,FAC
	Greene	Jefferson	Greene Bean Project	Greene County Extension	BAC
	Greene	County	Greene County Community Foundation	Greene County Extension	FAC, BCOM,
	Greene	County	Housing Committee of GCDC	Greene County Extension	FAC,TCOM,
	Greene	County	Community Resource Committee	Greene County Extension	OCOM,FAC
	Greene	Jefferson	Jefferson Telephone Company	Greene County Extension	FAC,BAC
	Greene	County	Greene County Development Corporation	Greene County Extension	FAC
	Greene	County	Bio-Energy meetings & Bio-Fuels Study	Greene County Extension	FAC, BCOM
	Greene	County	Food Systems Mapping & Discussions	Greene County Extension	FAC DCOM
	Greene	County	Business Connections/Syncrhonist	Greene County Extension	FAC, BCOM
	Greene	Jefferson	Corn-Based Ethanol hosting	Greene County Extension	FAC
	Greene	Jefferson	Marketing Committee	Greene County Extension	OCOM, FAC
	Greene	County	Cattlemen conflict resolution	Greene County Extension	FAC
	Greene	Jefferson	Land Value presentation for Peoples	Greene County Extension	BCOM
Greene County	Greene 41	Jefferson	Park & Recreation Satisfaction analysis	Greene County Extension	BAC,FAC
Greene County	Grundy	Beaman	Beaman	Landscape Architecture, IDRO	ВСОМ
	Grundy Grundy	Reinbeck Wellsburg	Tama County Township Trustees & Clerks Wellsburg	IDRO Landscape Architecture,	TCOM BCOM
				IDRO	
	Grana)			Brenton Ctr for Ag	
		Reinbeck	Distance Education Students = 3	Instruction	PWD
	Grundy		Distance Education Students = 3 Grundy National Bank		PWD FAC
		Reinbeck Grundy Center Wellsburg		Instruction	
	Grundy Grundy	Grundy Center	Grundy National Bank	Instruction Economics & CCUR	FAC
	Grundy Grundy Grundy	Grundy Center Wellsburg	Grundy National Bank Triple T Country Meats	Instruction Economics & CCUR Meat Science Extension	FAC PWD

	Grundy	Reinbeck	Tama County Township Trustees & Clerks	Extension CED, IDRO	TCOM
	Grundy	Wellsburg	Wellsburg	Landscape Architecture,	BCOM
				IDRO	
	Grundy		Grundy County Auditors	Extension CED	OCOM
	Grundy		Grundy County	Extension CED	OCOM
	Grundy		Silos & Smokestacks National Heritage Area	Extension CED	ОСОМ
	Grundy	Grundy Center	Grundy County Development Alliance	Grundy County Extension	FAC
	Grundy	Conrad	Green Products Co	ISUE-CIRAS	TAC
	Grundy	Reinbeck	Peterson Contractors, Inc.	CTRE/CP Tech	PWD
	Grundy	Grundy Center	Grundy National Bank	Economics & CCUR	FAC
Grundy County	1				1
	Guthrie	Stuart	Midwest Partnership Corporation	College of Engineering	BCOM, BAC
	0 4 1	0 11 1 0 1	Di	Brenton Ctr for Ag	DIAID
	Guthrie	Guthrie Center	Distance Education Students = 1	Instruction	PWD
	Guthrie	Stuart	Nex-Gen Biofuels, Inc.	Extension CED Extension CED	FAC FAC
	Guthrie		Bio-Economy Meeting		OCOM
	Guthrie Guthrie		Extension Council  Multi-State Regional Development	Extension CED Extension CED	FAC
	Guthrie		Panora COOP Telephone and Cablevision	Extension CED	FAC/ BCOM
	Guthrie		Regional Foods Working Group	Extension CED	BAC
	Guthrie		Renew Rural Iowa	Extension CED	FAC
	Guthrie		Rural Development Summit	Extension CED	FAC
	Guthrie	Panora	Lake Lumber Company	ISUE-CIRAS	TAC
	Guthrie	Panora	Lake Panorama	CTRE/CP Tech	PWD
	Guthrie	ranora	Guthrie County Auditors	Extension CED	OCOM
	Guthrie		Midwest Partnership Corporation	Extension CED	FAC/ BCOM
	Guthrie	+	Rural Development Resource Center	Extension CED	FAC/ BCOW
	Guthrie		Rural Development Resource Center: Grow Iowa	Extension CED	BAC/ TCOM/ FAC
			Fund; Wallace Fund; Southwest Iowa Coalition		BCOM
	Guthrie		Southwest Iowa Coalition	Extension CED	FAC
Guthrie County	1	7	South of town South of the Sout	ZAGIGIGII GED	1
outo oou,	Hamilton	Stratford	Board of Adjustment	CRP	TCOM
	Hamilton	Webster City	Electrolux	College of Engineering	PWD
	r idiriikori	Trobbio. City	Elocitorax	IPRT Company Assistance-	5
	Hamilton	Webster City	Electrolux Home Products	Materials	TAC
	r idiriikori	Trobbio. City	Ziodiolax Florio Froducto	IPRT Company Assistance-	
	Hamilton	Webster City	Electrolux Home Products	NDE	TAC
				IPRT Company Assistance-	
				Technology	
	Hamilton	Blairsburg	Chamness Technology	Commercialization	TT
			, , , , , , , , , , , , , , , , , , ,	IPRT Company Assistance-	
				Technology	
	Hamilton	Ellsworth	Safe Soy, LLC	Commercialization	TT
	Hamilton	Webster City	Area teachers	Families Extension	PWD
				Brenton Ctr for Ag	
	Hamilton	Kamrar	Distance Education Students = 1	Instruction	PWD
				Brenton Ctr for Ag	
	Hamilton	Stratford	Distance Education Students = 2	Instruction	PWD
				Brenton Ctr for Ag	
	Hamilton	Webster City	Distance Education Students = 4	Instruction	PWD
	Hamilton	Ellsworth	SafeSoy LLC	CCUR	TAC, TT
	Hamilton	Ellsworth	SafeSoy, LLC	ABE/IGQI	TAC
	Hamilton	Stanhope	Stanhope Locker	Meat Science Extension	PWD
	Hamilton	Jewell	W&G Marketing	Meat Science Extension	PWD
				College of Engineering /	
	Hamilton	Webster City	Webster City High School	ABE (PLTW)	ОСОМ
				Agricultural Education and	
	Hamilton	Webster City	Webster City Community School	Studies	FAC
	Hamilton	Ellsworth	SafeSoy LLC	CCUR	TAC, TT
	Hamilton	Jewell	Lions Club of Iowa International Youth Camp	Extension CED	PWD
	Hamilton	Stratford	Board of Adjustment	Extension CED, CRP	тсом
				Extension	
	Hamilton	Webster City	Webster City Area Development	Extension CED	PWD
	Hamilton	Webster City	Hamilton County Conservation	Extension CED	PWD
	Hamilton		10 small businesses	Extension CED	BAC
	Hamilton Hamilton		Hamilton County Auditors	Extension CED	OCOM
	Hamilton			Extension CED CD-DIAL - Sociology	
	Hamilton Hamilton Hamilton		Hamilton County Auditors Hamilton County SEED	Extension CED CD-DIAL - Sociology Extension	OCOM OCOM
	Hamilton Hamilton Hamilton Hamilton	O. materials	Hamilton County Auditors Hamilton County SEED  Silos & Smokestacks National Heritage Area	Extension CED  CD-DIAL - Sociology Extension  Extension CED	OCOM OCOM
	Hamilton Hamilton Hamilton	County	Hamilton County Auditors Hamilton County SEED	Extension CED CD-DIAL - Sociology Extension	OCOM OCOM
	Hamilton Hamilton Hamilton Hamilton Hamilton		Hamilton County Auditors Hamilton County SEED  Silos & Smokestacks National Heritage Area Hamilton Co. Community Foundation	Extension CED CD-DIAL - Sociology Extension Extension CED Greene County Extension	OCOM OCOM FAC
	Hamilton Hamilton Hamilton Hamilton	County Webster City	Hamilton County Auditors Hamilton County SEED  Silos & Smokestacks National Heritage Area	Extension CED  CD-DIAL - Sociology Extension  Extension CED	OCOM OCOM
	Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton	Webster City	Hamilton County Auditors Hamilton County SEED Silos & Smokestacks National Heritage Area Hamilton Co. Community Foundation Citizens of Webster City	Extension CED CD-DIAL - Sociology Extension Extension CED Greene County Extension Hamilton County Extension	OCOM OCOM FAC OCOM
	Hamilton Hamilton Hamilton Hamilton Hamilton		Hamilton County Auditors Hamilton County SEED  Silos & Smokestacks National Heritage Area Hamilton Co. Community Foundation	Extension CED CD-DIAL - Sociology Extension Extension CED Greene County Extension	OCOM OCOM FAC
	Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton	Webster City Webster City	Hamilton County Auditors Hamilton County SEED  Silos & Smokestacks National Heritage Area Hamilton Co. Community Foundation  Citizens of Webster City  Citizens of Hamilton County	Extension CED CD-DIAL - Sociology Extension Extension CED Greene County Extension Hamilton County Extension Hamilton County Extension	OCOM OCOM FAC OCOM FAC
	Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton	Webster City Webster City Webster City	Hamilton County Auditors Hamilton County SEED  Silos & Smokestacks National Heritage Area Hamilton Co. Community Foundation  Citizens of Webster City  Citizens of Hamilton County  Enhance Hamilton County Foundation	Extension CED CD-DIAL - Sociology Extension Extension CED Greene County Extension Hamilton County Extension Hamilton County Extension Hamilton County Extension	OCOM OCOM FAC OCOM FAC BAC/FAC
	Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton	Webster City Webster City Webster City Webster City	Hamilton County Auditors Hamilton County SEED Silos & Smokestacks National Heritage Area Hamilton Co. Community Foundation Citizens of Webster City Citizens of Hamilton County Enhance Hamilton County Foundation Dept of Public Health	Extension CED CD-DIAL - Sociology Extension Extension CED Greene County Extension Hamilton County Extension Hamilton County Extension Hamilton County Extension ISU Extension	OCOM OCOM FAC OCOM FAC BAC/FAC PWD
	Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton	Webster City  Webster City  Webster City  Webster City  Webster City  Webster City	Hamilton County Auditors Hamilton County SEED  Silos & Smokestacks National Heritage Area Hamilton Co. Community Foundation  Citizens of Webster City  Citizens of Hamilton County  Enhance Hamilton County Foundation  Dept of Public Health Hamilton Hospital	Extension CED CD-DIAL - Sociology Extension Extension CED Greene County Extension Hamilton County Extension Hamilton County Extension Hamilton County Extension ISU Extension ISU Extension	OCOM OCOM FAC OCOM FAC BAC/FAC PWD PWD
	Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton	Webster City Webster City Webster City Webster City Webster City Webster City Webster City	Hamilton County Auditors Hamilton County SEED Silos & Smokestacks National Heritage Area Hamilton Co. Community Foundation Citizens of Webster City Citizens of Hamilton County Enhance Hamilton County Foundation Dept of Public Health Hamilton Hospital Lighten Up Iowa - Chamber, Many businesses	Extension CED CD-DIAL - Sociology Extension Extension CED Greene County Extension Hamilton County Extension Hamilton County Extension Hamilton County Extension ISU Extension ISU Extension ISU Extension	OCOM OCOM FAC OCOM FAC BAC/FAC PWD PWD PWD
	Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton	Webster City Webster City Webster City Webster City Webster City Webster City Webster City Webster City	Hamilton County Auditors Hamilton County SEED  Silos & Smokestacks National Heritage Area Hamilton Co. Community Foundation  Citizens of Webster City  Citizens of Hamilton County  Enhance Hamilton County Foundation Dept of Public Health Hamilton Hospital  Lighten Up Iowa - Chamber, Many businesses Mary Ann's Specialty Foods Inc	Extension CED CD-DIAL - Sociology Extension Extension CED Greene County Extension Hamilton County Extension Hamilton County Extension Hamilton County Extension ISU Extension ISU Extension ISU Extension ISU Extension ISUE-CIRAS	OCOM OCOM FAC OCOM FAC BAC/FAC PWD PWD PWD TAC
	Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton	Webster City Webster City Webster City Webster City Webster City Webster City Webster City Webster City Webster City	Hamilton County Auditors Hamilton County SEED Silos & Smokestacks National Heritage Area Hamilton Co. Community Foundation Citizens of Webster City Citizens of Hamilton County Enhance Hamilton County Foundation Dept of Public Health Hamilton Hospital Lighten Up Iowa - Chamber, Many businesses Mary Ann's Specialty Foods Inc Arrow Acme Inc	Extension CED CD-DIAL - Sociology Extension Extension CED Greene County Extension Hamilton County Extension Hamilton County Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISUE-CIRAS ISUE-CIRAS	OCOM OCOM FAC OCOM FAC BAC/FAC PWD PWD PWD TAC TAC
	Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton	Webster City Webster City Webster City Webster City Webster City Webster City Webster City Webster City	Hamilton County Auditors Hamilton County SEED  Silos & Smokestacks National Heritage Area Hamilton Co. Community Foundation  Citizens of Webster City  Citizens of Hamilton County  Enhance Hamilton County Foundation Dept of Public Health Hamilton Hospital  Lighten Up Iowa - Chamber, Many businesses Mary Ann's Specialty Foods Inc	Extension CED CD-DIAL - Sociology Extension Extension CED Greene County Extension Hamilton County Extension Hamilton County Extension Hamilton County Extension ISU Extension ISU Extension ISU Extension ISU Extension ISUE-CIRAS	OCOM OCOM FAC OCOM FAC BAC/FAC PWD PWD PWD TAC

				/	
	Hamilton		10 small businesses	CED (Access eCommerce)	BAC
	Hamilton	Webster City	BASF Admixtures, Inc.	CTRE/CP Tech	PWD
	Hamilton	Webster City	Hamilton Co.	CTRE/CP Tech	PWD
	Hamilton	Webster City	Hamilton Co. Secondary Roads	CTRE/CP Tech	PWD
	Hamilton	Webster City	Webster City Area Development	Industry Relations	BCOM
	Hamilton	Webster City	City of Webster City	Industry Relations	BCOM
	Hamilton	Ellsworth	SafeSoy Technologies	Industry Relations	TAC
	Hamilton	Ellsworth	SafeSoy, LLC	ABE/IGQI	TAC
	Hamilton	Ellsworth	SafeSoy LLC	CCUR	TAC, TT
	Hamilton	Webster City	Area teachers	ISU Extension	PWD
	Hamilton	Marion	Linn Mar High School	CEED	ОСОМ
		IVIATION		Extension CED	OCOM/ TAC
	Hamilton	Mahatan Oita	Hamilton County		
	Hamilton	Webster City	general public - low income population	ISU Extension	ОСОМ
Hamilton County	50				5
	Hancock	Garner	Director of Membership Services	CRP	TCOM
				IPRT Company Assistance-	
	Hancock	Garner	Suntron of Iowa	NDE	TAC
	Hancock	Corwith	Corwith Locker	Meat Science Extension	PWD
				Brenton Ctr for Ag	
	Hancock	Corwith	Distance Education Students = 1	Instruction	PWD
	Hancock	Garner	Doc's Country Locker	Meat Science Extension	PWD
	Hancock	Garner	Director of Membership Services	Extension CED, CRP	TCOM
				Extension	
	Hancock	Garner	NE Iowa Community Development Conference	Extension CED	FAC
	Hancock	- 2	Hancock County Auditors	Extension CED	OCOM
	Hancock		NE Iowa Community Development Conference	Extension CED  Extension CED	FAC
		Cornor			OCOM
	Hancock	Garner	Garner-Hayfield Community School	4-H Youth Development	
	Hancock	Garner	Garner Asset Project (GAP)	4-H Youth Development	ОСОМ
	L			Thoreson, Dale Fld Spec	
	Hancock	Garner	Midwest Dairyand Livestock Inc	ANR	BCOM
	Hancock	Britt	Original Saw Co	ISUE-CIRAS	TAC
	Hancock	Kanawha	Kiefer Built Inc	ISUE-CIRAS	TAC
	Hancock	Garner	Suntron Iowa Corp	ISUE-CIRAS	BAC
	Hancock	Britt	CPW, LLC	ISUE-CIRAS	BAC
	Hancock	Garner	Stellar Industries Inc	ISUE-CIRAS	BAC
	Hancock	Britt	Iowa DOT	CTRE/CP Tech	PWD
	Hancock	Britt	Iowa DOT, Britt RCE Office	CTRE/CP Tech	PWD
			lowa DOT, Britt NCL Office	CTIVE/OF TECH	
			City of Corner	CTDE/CD Teek	DIALD
Hanasak Caumtu	Hancock	Garner	City of Garner	CTRE/CP Tech	PWD
Hancock County	20				2
Hancock County	20 Hardin	Eldora	United Suppliers Inc	College of Business	PWD 2
Hancock County	20			College of Business Landscape Architecture,	2
Hancock County	20 Hardin Hardin	Eldora Ackley	United Suppliers Inc Ackley	College of Business Landscape Architecture, IDRO	PWD BCOM
Hancock County	20 Hardin Hardin Hardin	Eldora Ackley Eldora	United Suppliers Inc Ackley Intern	College of Business Landscape Architecture, IDRO CRP	PWD BCOM TCOM
Hancock County	20 Hardin Hardin	Eldora Ackley	United Suppliers Inc Ackley	College of Business Landscape Architecture, IDRO CRP Landscape Architecture,	PWD BCOM
Hancock County	20 Hardin Hardin Hardin	Eldora Ackley Eldora	United Suppliers Inc Ackley Intern	College of Business Landscape Architecture, IDRO CRP	PWD BCOM TCOM
Hancock County	20 Hardin Hardin Hardin	Eldora Ackley Eldora	United Suppliers Inc Ackley Intern	College of Business Landscape Architecture, IDRO CRP Landscape Architecture,	PWD BCOM TCOM
Hancock County	20 Hardin Hardin Hardin Hardin	Eldora Ackley Eldora Eldora	United Suppliers Inc Ackley Intern Eldora	College of Business Landscape Architecture, IDRO CRP Landscape Architecture, IDRO	PWD BCOM TCOM BCOM
Hancock County	20 Hardin Hardin Hardin Hardin	Eldora Ackley Eldora Eldora	United Suppliers Inc Ackley Intern Eldora	College of Business Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, Landscape Architecture,	PWD BCOM TCOM BCOM
Hancock County	20 Hardin Hardin Hardin Hardin	Eldora Ackley Eldora Eldora	United Suppliers Inc Ackley Intern Eldora	College of Business Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO	PWD BCOM TCOM BCOM
Hancock County	Hardin Hardin Hardin Hardin Hardin	Eldora Ackley Eldora Eldora Steamboat Rock	United Suppliers Inc Ackley Intern Eldora Steamboat Rock	College of Business Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Brenton Ctr for Ag Instruction	PWD BCOM TCOM BCOM
Hancock County	Hardin Hardin Hardin Hardin Hardin Hardin Hardin	Eldora Ackley Eldora Eldora Steamboat Rock	United Suppliers Inc Ackley Intern Eldora Steamboat Rock Distance Education Students = 1	College of Business Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Brenton Ctr for Ag Instruction Brenton Ctr for Ag	PWD BCOM BCOM BCOM PWD
Hancock County	Hardin Hardin Hardin Hardin Hardin	Eldora Ackley Eldora Eldora Steamboat Rock	United Suppliers Inc Ackley Intern Eldora Steamboat Rock	College of Business Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Brenton Ctr for Ag Instruction Instruction	PWD BCOM TCOM BCOM
Hancock County	Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin	Eldora Ackley Eldora Eldora Steamboat Rock Alden Iowa Falls	United Suppliers Inc Ackley Intern Eldora Steamboat Rock Distance Education Students = 1 Distance Education Students = 2	College of Business Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag	PWD BCOM TCOM BCOM BCOM PWD
Hancock County	Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin	Eldora Ackley Eldora Eldora Steamboat Rock Alden Iowa Falls Radcliffe	United Suppliers Inc Ackley  Intern Eldora  Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3	College of Business Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction	PWD BCOM  TCOM BCOM  BCOM  PWD  PWD  PWD
Hancock County	Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin	Eldora Ackley Eldora Eldora Steamboat Rock Alden Iowa Falls	United Suppliers Inc Ackley Intern Eldora Steamboat Rock Distance Education Students = 1 Distance Education Students = 2	College of Business Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag	PWD BCOM TCOM BCOM BCOM PWD
Hancock County	Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin	Eldora Ackley Eldora Eldora Steamboat Rock Alden Iowa Falls Radcliffe Iowa Falls	United Suppliers Inc Ackley Intern Eldora Steamboat Rock Distance Education Students = 1 Distance Education Students = 2 Distance Education Students = 3 Hawkeye Renewables	College of Business Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction CCUR	PWD PWD PWD PAC
Hancock County	Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin	Eldora Ackley Eldora Eldora Steamboat Rock Alden Iowa Falls Radcliffe Iowa Falls Iowa Falls	United Suppliers Inc Ackley Intern Eldora Steamboat Rock Distance Education Students = 1 Distance Education Students = 2 Distance Education Students = 3 Hawkeye Renewables Iowa Select Farms	College of Business  Landscape Architecture, IDRO  CRP  Landscape Architecture, IDRO  Landscape Architecture, IDRO  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CCUR  Animal Science and VDPAM	PWD BCOM BCOM BCOM PWD PWD PAC TAC, FAC
Hancock County	Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin	Eldora Ackley Eldora Eldora Steamboat Rock  Alden Iowa Falls Radcliffe Iowa Falls Iowa Falls Union	United Suppliers Inc Ackley Intern Eldora Steamboat Rock  Distance Education Students = 1 Distance Education Students = 2 Distance Education Students = 3 Hawkeye Renewables Iowa Select Farms ST Meats	College of Business Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction CCUR Animal Science and VDPAM Meat Science Extension	PWD BCOM  TCOM BCOM  BCOM  PWD  PWD  PWD  FAC  TAC, FAC  PWD
Hancock County	Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin	Eldora Ackley Eldora Eldora Steamboat Rock Alden Iowa Falls Radcliffe Iowa Falls Iowa Falls Union Ackley	United Suppliers Inc Ackley  Intern Eldora Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3  Hawkeye Renewables  Iowa Select Farms ST Meats Tripple T Specialty Meats	College of Business Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction CCUR Animal Science and VDPAM Meat Science Extension Meat Science Extension	PWD BCOM BCOM BCOM BCOM PWD PWD FAC TAC, FAC PWD PWD PWD
Hancock County	Hardin Hardin	Eldora Ackley Eldora Eldora Steamboat Rock Alden Iowa Falls Radcliffe Iowa Falls Iowa Falls Union Ackley Iowa Falls	United Suppliers Inc Ackley  Intern Eldora Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3 Hawkeye Renewables  Iowa Select Farms ST Meats Tripple T Specialty Meats Hawkeye Renewables	College of Business  Landscape Architecture, IDRO  CRP  Landscape Architecture, IDRO  Landscape Architecture, IDRO  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CCUR  Animal Science and VDPAM Meat Science Extension Meat Science Extension CCUR	PWD PWD PWD FAC  TAC, FAC PWD FAC
Hancock County	Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin Hardin	Eldora Ackley Eldora Eldora Steamboat Rock Alden Iowa Falls Radcliffe Iowa Falls Iowa Falls Union Ackley	United Suppliers Inc Ackley  Intern Eldora Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3  Hawkeye Renewables  Iowa Select Farms ST Meats Tripple T Specialty Meats	College of Business Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction CCUR Animal Science and VDPAM Meat Science Extension Meat Science Extension CCUR Landscape Architecture,	PWD BCOM BCOM BCOM BCOM PWD PWD FAC TAC, FAC PWD PWD PWD
Hancock County	Hardin Hardin	Eldora Ackley Eldora Eldora Steamboat Rock Alden Iowa Falls Radcliffe Iowa Falls Iowa Falls Union Ackley Iowa Falls	United Suppliers Inc Ackley  Intern Eldora Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3 Hawkeye Renewables  Iowa Select Farms ST Meats Tripple T Specialty Meats Hawkeye Renewables	College of Business  Landscape Architecture, IDRO  CRP  Landscape Architecture, IDRO  Landscape Architecture, IDRO  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CCUR  Animal Science and VDPAM Meat Science Extension Meat Science Extension CCUR	PWD PWD PWD FAC  TAC, FAC PWD FAC
Hancock County	Hardin Hardin	Eldora Ackley Eldora Eldora Steamboat Rock Alden Iowa Falls Radcliffe Iowa Falls Iowa Falls Union Ackley Iowa Falls	United Suppliers Inc Ackley  Intern Eldora Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3 Hawkeye Renewables  Iowa Select Farms ST Meats Tripple T Specialty Meats Hawkeye Renewables	College of Business Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction CCUR Animal Science and VDPAM Meat Science Extension Meat Science Extension CCUR Landscape Architecture,	PWD PWD PWD FAC  TAC, FAC PWD FAC
Hancock County	Hardin Hardin	Eldora Ackley Eldora Eldora Steamboat Rock  Alden Iowa Falls Radcliffe Iowa Falls Union Ackley Iowa Falls Ackley	United Suppliers Inc Ackley Intern Eldora Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3  Hawkeye Renewables  lowa Select Farms ST Meats Tripple T Specialty Meats  Hawkeye Renewables  Ackley	College of Business  Landscape Architecture, IDRO  CRP  Landscape Architecture, IDRO  Landscape Architecture, IDRO  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CCUR  Animal Science and VDPAM  Meat Science Extension  Meat Science Extension  CCUR  Landscape Architecture, IDRO  Extension CED	PWD BCOM BCOM BCOM BCOM BCOM  PWD PWD FAC TAC, FAC PWD PWD FAC BCOM
Hancock County	Hardin Hardin	Eldora Ackley  Eldora Eldora Steamboat Rock  Alden Iowa Falls Radcliffe Iowa Falls Iowa Falls Iowa Falls Iowa Falls Ackley Iowa Falls Ackley Ackley	United Suppliers Inc Ackley  Intern Eldora Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3 Hawkeye Renewables  Iowa Select Farms ST Meats Tripple T Specialty Meats Hawkeye Renewables  Ackley  The Presbyterian Village	College of Business  Landscape Architecture, IDRO  CRP  Landscape Architecture, IDRO  Landscape Architecture, IDRO  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CCUR  Animal Science and VDPAM  Meat Science Extension  Meat Science Extension  CCUR  Landscape Architecture, IDRO  Extension CED  Landscape Architecture,	PWD BCOM BCOM BCOM BCOM BCOM  PWD PWD FAC TAC, FAC PWD PWD FAC BCOM PWD PWD FAC BCOM
Hancock County	Hardin Hardin	Eldora Ackley Eldora Eldora Eldora Steamboat Rock  Alden Iowa Falls Iowa Falls Union Ackley Iowa Falls Ackley Eldora	United Suppliers Inc Ackley  Intern Eldora Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3  Hawkeye Renewables  lowa Select Farms ST Meats Tripple T Specialty Meats Hawkeye Renewables  Ackley  The Presbyterian Village Eldora	College of Business  Landscape Architecture, IDRO CRP  Landscape Architecture, IDRO Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction CCUR  Animal Science and VDPAM Meat Science Extension Meat Science Extension CCUR  Landscape Architecture, IDRO Extension CED Landscape Architecture, IDRO	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Hancock County	Hardin Hardin	Eldora Ackley  Eldora Eldora Steamboat Rock  Alden Iowa Falls Radcliffe Iowa Falls Iowa Falls Iowa Falls Iowa Falls Ackley Iowa Falls Ackley Ackley	United Suppliers Inc Ackley  Intern Eldora Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3 Hawkeye Renewables  Iowa Select Farms ST Meats Tripple T Specialty Meats Hawkeye Renewables  Ackley  The Presbyterian Village	College of Business  Landscape Architecture, IDRO  CRP  Landscape Architecture, IDRO  Landscape Architecture, IDRO  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CCUR  Animal Science and VDPAM  Meat Science Extension  CCUR  Landscape Architecture, IDRO  Extension CED  Landscape Architecture, IDRO  Extension CED  Landscape Architecture, IDRO  Extension CED, CRP	PWD BCOM BCOM BCOM BCOM BCOM  PWD PWD FAC TAC, FAC PWD PWD FAC BCOM PWD PWD FAC BCOM
Hancock County	Hardin Hardin	Eldora Ackley Eldora Eldora Steamboat Rock  Alden Iowa Falls Radcliffe Iowa Falls Iowa Falls Union Ackley Iowa Falls Ackley Eldora  Eldora	United Suppliers Inc Ackley  Intern Eldora Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3 Hawkeye Renewables  Iowa Select Farms ST Meats Tripple T Specialty Meats Hawkeye Renewables Ackley  The Presbyterian Village Eldora  Intern	College of Business  Landscape Architecture, IDRO  CRP  Landscape Architecture, IDRO  Landscape Architecture, IDRO  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CCUR  Animal Science and VDPAM  Meat Science Extension  Meat Science Extension  CCUR  Landscape Architecture, IDRO  Extension CED  Landscape Architecture, IDRO  Extension CED  Extension CED, CRP  Extension CED, CRP  Extension	PWD BCOM BCOM BCOM BCOM BCOM BCOM  PWD PWD FAC TAC, FAC PWD PWD FAC BCOM  PWD FAC BCOM  TCOM
Hancock County	Hardin Hardin	Eldora Ackley Eldora Eldora Eldora Steamboat Rock  Alden Iowa Falls Iowa Falls Union Ackley Iowa Falls Ackley Eldora	United Suppliers Inc Ackley  Intern Eldora Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3  Hawkeye Renewables  lowa Select Farms ST Meats Tripple T Specialty Meats Hawkeye Renewables  Ackley  The Presbyterian Village Eldora	College of Business  Landscape Architecture, IDRO  CRP  Landscape Architecture, IDRO  Landscape Architecture, IDRO  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CCUR  Animal Science and VDPAM  Meat Science Extension  Meat Science Extension  CCUR  Landscape Architecture, IDRO  Extension CED  Landscape Architecture, IDRO  Extension CED, CRP  Extension  Landscape Architecture, IDRO  Extension CED, CRP  Extension  Landscape Architecture, IDRO  Extension CED, CRP  Extension  Landscape Architecture, IDRO  Extension CED, CRP  Extension  Landscape Architecture, IDRO  Extension CED, CRP  Extension  Landscape Architecture, IDRO  Landscape Architecture, IDRO  Extension CED, CRP	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Hancock County	Hardin Hardin	Eldora Ackley Eldora Eldora Steamboat Rock  Alden Iowa Falls Radcliffe Iowa Falls Iowa Falls Union Ackley Iowa Falls Ackley Eldora  Eldora	United Suppliers Inc Ackley  Intern Eldora  Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3  Hawkeye Renewables  lowa Select Farms ST Meats Tripple T Specialty Meats Hawkeye Renewables  Ackley  The Presbyterian Village Eldora  Intern  Steamboat Rock	College of Business  Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction CCUR Animal Science and VDPAM Meat Science Extension Meat Science Extension CCUR Landscape Architecture, IDRO Extension CED Landscape Architecture, IDRO Extension CED, CRP Extension CED, CRP Extension Landscape Architecture, IDRO Landscape Architecture, IDRO Extension CED, CRP Extension CED, CRP Extension Landscape Architecture, IDRO Landscape Architecture, IDRO Extension CED, CRP	PWD BCOM  BCOM  BCOM  BCOM  PWD  PWD  FAC  TAC, FAC  PWD  FAC  BCOM  PWD  FAC  BCOM  BCOM  BCOM  BCOM  BCOM  BCOM  BCOM  BCOM  BCOM  BCOM  BCOM
Hancock County	Hardin Hardin	Eldora Ackley Eldora Eldora Steamboat Rock  Alden Iowa Falls Radcliffe Iowa Falls Iowa Falls Union Ackley Iowa Falls Ackley Eldora  Eldora	United Suppliers Inc Ackley  Intern Eldora  Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3  Hawkeye Renewables  Iowa Select Farms ST Meats Tripple T Specialty Meats Hawkeye Renewables  Ackley  The Presbyterian Village Eldora  Intern  Steamboat Rock  Hardin County Auditors	College of Business  Landscape Architecture, IDRO  CRP  Landscape Architecture, IDRO  Landscape Architecture, IDRO  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CCUR  Animal Science and VDPAM  Meat Science Extension  CCUR  Landscape Architecture, IDRO  Extension CED  Landscape Architecture, IDRO  Extension CED  Extension CED, CRP  Extension  Landscape Architecture, IDRO  Extension CED, CRP  Extension  Landscape Architecture, IDRO  Extension CED  Extension CED  Extension CED, CRP  Extension  Extension CED	PWD BCOM  BCOM  BCOM  BCOM  BCOM  PWD  PWD  FAC  TAC, FAC  PWD  PWD  FAC  TAC, FAC  BCOM  TCOM  BCOM  TCOM  BCOM  BCOM  TCOM  BCOM  OCOM
Hancock County	Hardin Hardin	Eldora Ackley Eldora Eldora Steamboat Rock  Alden Iowa Falls Radcliffe Iowa Falls Iowa Falls Union Ackley Iowa Falls Ackley Eldora  Eldora	United Suppliers Inc Ackley  Intern Eldora Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3  Hawkeye Renewables  Iowa Select Farms ST Meats Tripple T Specialty Meats Hawkeye Renewables  Ackley  The Presbyterian Village Eldora  Intern  Steamboat Rock  Hardin County Auditors Hardin County	College of Business  Landscape Architecture, IDRO  CRP  Landscape Architecture, IDRO  Landscape Architecture, IDRO  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CCUR  Animal Science and VDPAM  Meat Science Extension  Meat Science Extension  CCUR  Landscape Architecture, IDRO  Extension CED  Landscape Architecture, IDRO  Extension CED, CRP  Extension  Landscape Architecture, IDRO  Extension CED, CRP  Extension  Landscape Architecture, IDRO  Extension CED, CRP  Extension CED  Extension CED  Extension CED	PWD BCOM  BCOM  BCOM  BCOM  PWD  PWD  PWD  FAC  TAC, FAC  PWD  PWD  FAC  BCOM  TCOM  BCOM  TCOM  BCOM  TCOM  BCOM  TCOM  TCOM
Hancock County	Hardin Hardin	Eldora Ackley Eldora Eldora Eldora Steamboat Rock  Alden Iowa Falls Iowa Falls Union Ackley Iowa Falls Ackley Iowa Falls Ackley Eldora Eldora Steamboat Rock	United Suppliers Inc Ackley  Intern Eldora Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3  Hawkeye Renewables  Iowa Select Farms ST Meats Tripple T Specialty Meats Hawkeye Renewables  Ackley  The Presbyterian Village Eldora  Intern  Steamboat Rock  Hardin County Auditors Hardin County Silos & Smokestacks National Heritage Area	College of Business  Landscape Architecture, IDRO  CRP  Landscape Architecture, IDRO  Landscape Architecture, IDRO  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CCUR  Animal Science and VDPAM  Meat Science Extension  Meat Science Extension  CCUR  Landscape Architecture, IDRO  Extension CED  Landscape Architecture, IDRO  Extension CED, CRP  Extension  Landscape Architecture, IDRO  Extension CED, CRP  Extension CED, CRP  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED	PWD BCOM BCOM BCOM BCOM BCOM  PWD PWD PWD FAC TAC, FAC PWD PWD FAC BCOM BCOM BCOM  TCOM BCOM BCOM BCOM BCOM BCOM BCOM BCOM B
Hancock County	Hardin Hardin	Eldora Ackley Eldora Eldora Steamboat Rock  Alden Iowa Falls Radcliffe Iowa Falls Iowa Falls Union Ackley Iowa Falls Ackley Eldora  Eldora	United Suppliers Inc Ackley  Intern Eldora  Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3  Hawkeye Renewables  lowa Select Farms ST Meats Tripple T Specialty Meats Hawkeye Renewables  Ackley  The Presbyterian Village Eldora  Intern  Steamboat Rock  Hardin County Auditors Hardin County Silos & Smokestacks National Heritage Area Eldora Hore	College of Business  Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction CCUR Animal Science and VDPAM Meat Science Extension Meat Science Extension CCUR Landscape Architecture, IDRO Extension CED Landscape Architecture, IDRO Extension CED, CRP Extension CED, CRP Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Hardin County Extension	PWD BCOM PWD PWD FAC TAC, FAC PWD PWD FAC TAC, FAC PWD FAC BCOM BCOM BCOM TCOM BCOM BCOM BCOM BCOM BCOM BCOM BCOM B
Hancock County	Hardin Hardin	Eldora Ackley Eldora Eldora Eldora Steamboat Rock  Alden Iowa Falls Iowa Falls Union Ackley Iowa Falls Ackley Iowa Falls Ackley Eldora Eldora Steamboat Rock	United Suppliers Inc Ackley  Intern Eldora Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3  Hawkeye Renewables  Iowa Select Farms ST Meats Tripple T Specialty Meats Hawkeye Renewables  Ackley  The Presbyterian Village Eldora  Intern  Steamboat Rock  Hardin County Auditors Hardin County Silos & Smokestacks National Heritage Area	College of Business  Landscape Architecture, IDRO  CRP  Landscape Architecture, IDRO  Landscape Architecture, IDRO  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CCUR  Animal Science and VDPAM  Meat Science Extension  Meat Science Extension  CCUR  Landscape Architecture, IDRO  Extension CED  Landscape Architecture, IDRO  Extension CED, CRP  Extension  Landscape Architecture, IDRO  Extension CED, CRP  Extension CED, CRP  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED	PWD BCOM BCOM BCOM BCOM BCOM  PWD PWD PWD FAC TAC, FAC PWD PWD FAC BCOM BCOM BCOM  TCOM BCOM BCOM BCOM BCOM BCOM BCOM BCOM B
Hancock County	Hardin Hardin	Eldora Ackley Eldora Eldora Eldora Steamboat Rock  Alden Iowa Falls Iowa Falls Union Ackley Iowa Falls Ackley Iowa Falls Ackley Eldora Eldora Steamboat Rock	United Suppliers Inc Ackley  Intern Eldora  Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3  Hawkeye Renewables  lowa Select Farms ST Meats Tripple T Specialty Meats Hawkeye Renewables  Ackley  The Presbyterian Village Eldora  Intern  Steamboat Rock  Hardin County Auditors Hardin County Silos & Smokestacks National Heritage Area Eldora Hore	College of Business  Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction CCUR Animal Science and VDPAM Meat Science Extension Meat Science Extension CCUR Landscape Architecture, IDRO Extension CED Landscape Architecture, IDRO Extension CED, CRP Extension CED, CRP Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Hardin County Extension	PWD BCOM PWD PWD FAC TAC, FAC PWD PWD FAC TAC, FAC PWD FAC BCOM BCOM BCOM TCOM BCOM BCOM BCOM BCOM BCOM BCOM BCOM B
Hancock County	Hardin Hardin	Eldora Ackley Eldora Eldora Eldora Steamboat Rock  Alden Iowa Falls Radcliffe Iowa Falls Iowa Falls Union Ackley Iowa Falls Ackley Eldora Eldora Eldora Eldora Eldora Eldora Iowa Falls	United Suppliers Inc Ackley  Intern Eldora Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3  Hawkeye Renewables  Iowa Select Farms ST Meats Tripple T Specialty Meats Hawkeye Renewables  Ackley  The Presbyterian Village Eldora  Intern  Steamboat Rock  Hardin County Auditors Hardin County Silos & Smokestacks National Heritage Area Eldora Area Business Development Group Hardin County Agricultural Society Iowa Falls Parks & Recreation Board	College of Business  Landscape Architecture, IDRO  CRP  Landscape Architecture, IDRO  Landscape Architecture, IDRO  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CCUR  Animal Science and VDPAM  Meat Science Extension  Meat Science Extension  CCUR  Landscape Architecture, IDRO  Extension CED  Landscape Architecture, IDRO  Extension CED, CRP  Extension CED, CRP  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Hardin County Extension  Hardin County Extension  Hardin County Extension  Hardin County Extension	PWD BCOM  PWD PWD FAC TAC, FAC PWD PWD FAC BCOM  BCOM  BCOM  PWD FAC  TAC, FAC PWD PWD FAC BCOM  TCOM BCOM  TCOM OCOM TCOM OCOM DCOM DCOM DCOM DCOM DCOM DCOM D
Hancock County	Hardin Hardin	Eldora Ackley Eldora Eldora Eldora Steamboat Rock  Alden Iowa Falls Iowa Falls Union Ackley Iowa Falls Ackley Eldora Eldora Steamboat Rock	United Suppliers Inc Ackley  Intern Eldora Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3 Hawkeye Renewables  Iowa Select Farms ST Meats Tripple T Specialty Meats Hawkeye Renewables  Ackley  The Presbyterian Village Eldora  Intern  Steamboat Rock  Hardin County Auditors Hardin County Silos & Smokestacks National Heritage Area Eldora Area Business Development Group Hardin County Agricultural Society Iowa Falls Parks & Recreation Board Child Care Providers	College of Business  Landscape Architecture, IDRO  CRP  Landscape Architecture, IDRO  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CCUR  Animal Science and VDPAM  Meat Science Extension  Meat Science Extension  CCUR  Landscape Architecture, IDRO  Extension CED  Landscape Architecture, IDRO  Extension CED, CRP  Extension CED, CRP  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Hardin County Extension  Hardin County Extension  Hardin County Extension  Hardin County Extension  ISU Extension  ISU Extension	PWD BCOM BCOM BCOM BCOM BCOM BCOM  PWD PWD FAC TAC, FAC PWD PWD FAC BCOM BCOM BCOM COM DCOM DCOM DCOM DCOM DCOM DCOM DC
Hancock County	Hardin Hardin	Eldora Ackley Eldora Eldora Eldora Steamboat Rock  Alden Iowa Falls Radcliffe Iowa Falls Union Ackley Iowa Falls Union Ackley Eldora	United Suppliers Inc Ackley  Intern Eldora  Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3  Hawkeye Renewables  lowa Select Farms ST Meats Tripple T Specialty Meats Hawkeye Renewables  Ackley  The Presbyterian Village Eldora  Intern  Steamboat Rock  Hardin County Auditors Hardin County Silos & Smokestacks National Heritage Area Eldora Area Business Development Group Hardin County Agricultural Society Iowa Falls Parks & Recreation Board Child Care Providers Times-Citizen Communications	College of Business  Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction CCUR Animal Science and VDPAM Meat Science Extension Meat Science Extension CCUR Landscape Architecture, IDRO Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Hardin County Extension Hardin County Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISUE-CIRAS	PWD BCOM BCOM BCOM BCOM BCOM BCOM  PWD PWD FAC TAC, FAC PWD PWD FAC BCOM BCOM  TCOM BCOM BCOM TCOM BCOM TCOM DCOM BCOM DCOM DCOM DCOM TAC TAC BCOM DCOM DCOM DCOM TAC TAC BCOM DCOM DCOM DCOM TAC TAC BCOM DCOM DCOM DCOM TAC
Hancock County	Hardin Hardin	Eldora Ackley Eldora Eldora Eldora Steamboat Rock  Alden Iowa Falls Radcliffe Iowa Falls Union Ackley Iowa Falls Union Ackley Eldora Eldora Eldora Eldora Eldora Eldora Eldora Iowa Falls Iowa Falls Eldora	United Suppliers Inc Ackley  Intern Eldora  Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3  Hawkeye Renewables  Iowa Select Farms  ST Meats Tripple T Specialty Meats Hawkeye Renewables  Ackley  The Presbyterian Village Eldora  Intern  Steamboat Rock  Hardin County Auditors  Hardin County Auditors  Hardin County Silos & Smokestacks National Heritage Area Eldora Area Business Development Group Hardin County Agricultural Society Iowa Falls Parks & Recreation Board Child Care Providers Times-Citizen Communications United Suppliers Inc	College of Business  Landscape Architecture, IDRO  CRP  Landscape Architecture, IDRO  Landscape Architecture, IDRO  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CCUR  Animal Science and VDPAM  Meat Science Extension  Meat Science Extension  CCUR  Landscape Architecture, IDRO  Extension CED  Landscape Architecture, IDRO  Extension CED  Extension CED, CRP  Extension CED, CRP  Extension CED  Extension CED  Extension CED  Extension CED  Hardin County Extension  Hardin County Extension  ISUE-CIRAS  ISUE-CIRAS	PWD BCOM  PWD PWD FAC TAC, FAC PWD PWD FAC BCOM  BCOM  BCOM  PWD FAC  TAC, FAC PWD PWD FAC BCOM  TCOM BCOM  TCOM OCOM TCOM OCOM DCOM PWD TAC TAC TAC TAC TAC TAC TAC TAC TAC TAC
Hancock County	Hardin Hardin	Eldora Ackley Eldora Eldora Eldora Steamboat Rock  Alden Iowa Falls Iowa Falls Iowa Falls Iowa Falls Iowa Falls Iowa Falls Ackley Iowa Falls Ackley Eldora Eldora Eldora Eldora Iowa Falls Iowa Falls Iowa Falls Iowa Falls Iowa Falls Iowa Falls Iowa Falls Iowa Falls Iowa Falls Iowa Falls	United Suppliers Inc Ackley  Intern Eldora Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3 Hawkeye Renewables  Iowa Select Farms ST Meats Tripple T Specialty Meats Hawkeye Renewables  Ackley  The Presbyterian Village Eldora  Intern  Steamboat Rock  Hardin County Auditors Hardin County Auditors Hardin County Silos & Smokestacks National Heritage Area Eldora Area Business Development Group Hardin County Agricultural Society Iowa Falls Parks & Recreation Board Child Care Providers Times-Citizen Communications United Suppliers Inc Triple T Specialty Meats, Inc	College of Business  Landscape Architecture, IDRO  CRP  Landscape Architecture, IDRO  Landscape Architecture, IDRO  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CCUR  Animal Science and VDPAM  Meat Science Extension  Meat Science Extension  CCUR  Landscape Architecture, IDRO  Extension CED  Landscape Architecture, IDRO  Extension CED, CRP  Extension CED, CRP  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Hardin County Extension  Hardin County Extension  Hardin County Extension  ISU Extension  ISU Extension  ISUE-CIRAS  ISUE-CIRAS  ISUE-CIRAS	PWD BCOM BCOM BCOM BCOM BCOM BCOM  PWD PWD PWD FAC BCOM BCOM  PWD FAC BCOM  PWD BCOM  TCOM BCOM  TCOM BCOM TCOM COM TCOM COM TAC TAC BAC BAC
Hancock County	Hardin Hardin	Eldora Ackley Eldora Eldora Eldora Steamboat Rock  Alden Iowa Falls Iowa Falls Union Ackley Iowa Falls Ackley Eldora Eldora Steamboat Rock	United Suppliers Inc Ackley  Intern Eldora Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3 Hawkeye Renewables  Iowa Select Farms ST Meats Tripple T Specialty Meats Hawkeye Renewables  Ackley  The Presbyterian Village Eldora  Intern  Steamboat Rock  Hardin County Auditors Hardin County Auditors Hardin County Auditors Hardin County Auditors Hardin County Auditors Hardin County Auditors Hardin County Auditors Hardin County Auditors Hardin County Agricultural Society Iowa Falls Parks & Recreation Board Child Care Providers Times-Citizen Communications United Suppliers Inc Triple T Specialty Meats, Inc D and B Agro-Systems Ltd.	College of Business  Landscape Architecture, IDRO  CRP  Landscape Architecture, IDRO  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CCUR  Animal Science and VDPAM  Meat Science Extension  Meat Science Extension  CCUR  Landscape Architecture, IDRO  Extension CED  Landscape Architecture, IDRO  Extension CED  Landscape Architecture, IDRO  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Hardin County Extension  Hardin County Extension  ISU Extension  ISU Extension  ISUE-CIRAS  ISUE-CIRAS  ISUE-CIRAS  ISUE-CIRAS  ISUE-CIRAS	PWD BCOM BCOM BCOM BCOM BCOM BCOM  PWD PWD FAC TAC, FAC PWD PWD FAC BCOM BCOM  TCOM BCOM  TCOM BCOM TCOM OCOM DCOM DCOM DCOM DCOM DCOM PWD TAC TAC TAC TAC TAC BAC BAC BAC BAC
Hancock County	Hardin Hardin	Eldora Ackley Eldora Eldora Eldora Eldora Steamboat Rock  Alden Iowa Falls Radcliffe Iowa Falls Union Ackley Iowa Falls Union Ackley Eldora Eldora Eldora Eldora Eldora Eldora Eldora Eldora Iowa Falls	United Suppliers Inc Ackley  Intern Eldora  Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3  Hawkeye Renewables  lowa Select Farms ST Meats Tripple T Specialty Meats Hawkeye Renewables  Ackley  The Presbyterian Village Eldora  Intern  Steamboat Rock  Hardin County Auditors Hardin County Auditors Hardin County Auditors Hardin County Agricultural Society Iowa Falls Parks & Recreation Board Child Care Providers Times-Citizen Communications United Suppliers Inc Triple T Specialty Meats, Inc D and B Agro-Systems Ltd. Hawkeye Renewables	College of Business  Landscape Architecture, IDRO  CRP  Landscape Architecture, IDRO  Landscape Architecture, IDRO  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CCUR  Animal Science and VDPAM  Meat Science Extension  Meat Science Extension  CCUR  Landscape Architecture, IDRO  Extension CED  Landscape Architecture, IDRO  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Hardin County Extension  Hardin County Extension  ISUE-CIRAS  ISUE-CIRAS  ISUE-CIRAS  ISUE-CIRAS  ISUE-CIRAS  ISUE-CIRAS  ISUE-CIRAS	PWD BCOM BCOM BCOM BCOM BCOM BCOM PWD PWD FAC TAC, FAC PWD PWD FAC BCOM BCOM TCOM BCOM TCOM BCOM TCOM COCOM TCOM COCOM DCOM TCOM DCOM TAC TAC TAC TAC TAC TAC TAC TAC TAC TAC
Hancock County	Hardin Hardin	Eldora Ackley Eldora Eldora Eldora Steamboat Rock  Alden Iowa Falls Radcliffe Iowa Falls Union Ackley Iowa Falls Ackley Eldora Eldora Eldora Steamboat Rock  Eldora Eldora Eldora Iowa Falls	United Suppliers Inc Ackley  Intern Eldora  Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3  Hawkeye Renewables  Iowa Select Farms ST Meats Tripple T Specialty Meats Hawkeye Renewables  Ackley  The Presbyterian Village Eldora  Intern  Steamboat Rock  Hardin County Auditors  Hardin County Auditors  Hardin County Auditors  Hardin County Auditors  Hardin County Auditors  Hardin County Agricultural Society Iowa Falls Parks & Recreation Board Child Care Providers  Times-Citizen Communications  United Suppliers Inc  Triple T Specialty Meats, Inc D and B Agro-Systems Ltd.  Hawkeye Renewables  Hawkeye Renewables  Hawkeye Renewables	College of Business  Landscape Architecture, IDRO  CRP  Landscape Architecture, IDRO  Landscape Architecture, IDRO  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CCUR  Animal Science and VDPAM  Meat Science Extension  Meat Science Extension  CCUR  Landscape Architecture, IDRO  Extension CED  Landscape Architecture, IDRO  Extension CED  Landscape Architecture, IDRO  Extension CED  Landscape Architecture, IDRO  Extension CED  Extension	PWD BCOM  PWD PWD FAC TAC, FAC PWD PWD FAC BCOM  BCOM  FAC TAC, FAC PWD PWD FAC BCOM  TCOM BCOM TCOM OCOM TCOM OCOM TCOM OCOM TAC TAC TAC TAC TAC TAC BAC BAC BAC BAC, FAC, TAC BAC, FAC, TAC BAC, FAC, TAC
Hancock County	Hardin Hardin	Eldora Ackley Eldora Eldora Eldora Eldora Steamboat Rock  Alden Iowa Falls Radcliffe Iowa Falls Union Ackley Iowa Falls Union Ackley Eldora Eldora Eldora Eldora Eldora Eldora Eldora Eldora Iowa Falls	United Suppliers Inc Ackley  Intern Eldora  Steamboat Rock  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 3  Hawkeye Renewables  lowa Select Farms ST Meats Tripple T Specialty Meats Hawkeye Renewables  Ackley  The Presbyterian Village Eldora  Intern  Steamboat Rock  Hardin County Auditors Hardin County Auditors Hardin County Auditors Hardin County Agricultural Society Iowa Falls Parks & Recreation Board Child Care Providers Times-Citizen Communications United Suppliers Inc Triple T Specialty Meats, Inc D and B Agro-Systems Ltd. Hawkeye Renewables	College of Business  Landscape Architecture, IDRO  CRP  Landscape Architecture, IDRO  Landscape Architecture, IDRO  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  Brenton Ctr for Ag Instruction  CCUR  Animal Science and VDPAM  Meat Science Extension  Meat Science Extension  CCUR  Landscape Architecture, IDRO  Extension CED  Landscape Architecture, IDRO  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Extension CED  Hardin County Extension  Hardin County Extension  ISUE-CIRAS  ISUE-CIRAS  ISUE-CIRAS  ISUE-CIRAS  ISUE-CIRAS  ISUE-CIRAS  ISUE-CIRAS	PWD BCOM BCOM BCOM BCOM BCOM BCOM PWD PWD FAC TAC, FAC PWD PWD FAC BCOM BCOM TCOM BCOM TCOM BCOM TCOM COCOM TCOM COCOM DCOM TCOM DCOM TAC TAC TAC TAC TAC TAC TAC TAC TAC TAC

	Hardin	Iowa Falls	Hawkeye Renewables	OBP	BAC, FAC, TAC
	Hardin	Iowa Falls	Hawkeye Renewables	OBP	BAC, FAC, TAC
	Hardin	Iowa Falls	Hawkeye Renewables	OBP	BAC, FAC, TAC
	Hardin	Iowa Falls	Hawkeye Renewables	CCUR	FAC
	Hardin	Iowa Falls	Ellsworth Community College	Agricultural Education and Studies	ОСОМ
	Hardin	Iowa Falls	Ellsworth Community College	Agricultural Education and Studies	ОСОМ
	Hardin	Iowa Falls	Ellsworth College Trustees	Hardin County Extension	OCOM
	Hardin	Iowa Falls	Iowa Falls Chamber/Main Street	Hardin County Extension	FAC
	Hardin	Iowa Falls	Leadership Iowa Falls Experience	Hardin County Extension	FAC
	Hardin	Eldora	City of Eldora	ISU Extension	BCOM
Hardin County	43		ony or Elabra	Tee Extension	43
	Harrison	Woodbine	Greenfield Horizons	ISU Extension	ОСОМ
	Harrison	Logan	Harrison County Development Corporation	College of Engineering	FAC
	Harrison	Logan	Nex-Gen Biofuels, Inc.	Extension CED	BAC
	Harrison	Woodbine	NPMA-Council Bluffs	Extension CED	PWD
	Harrison	woodbine	Renew Rural Iowa	Extension CED	FAC
	панізон		Reliew Rulai IOWa	CIRAS and Harrison Co	FAC
			D 0 B		DAG
	Harrison	Logan	Day 6 By	Extension	BAC
				Harrison Co. Extension and	
Ì	l			Commercial Horticulture	240
	Harrison	Magnolia	Sawmill Hollow, Inc.	Field Specialist	BAC
	Harrison	Mo. Valley	TJ's Future Lawns	Harrison Co. Extension	BAC
	Harrison	Woodbine	E4 Sons	Harrison Co. Extension	BAC
	Harrison	Logan	HCDC	Harrison Co. Extension	BCOM
				Harrison Co. Extension and	
				Communities and Business	
	Harrison	Woodbine	Woodbine Retail Trade	Field Specialist	всом
	Harrison	Mondamin	HCDC (Mondamin Railhead, LLC)	Harrison Co. Extension	FAC
	Harrison	Worldamin	Tiobo (Mondamii Tamioda, ELO)	CIRAS and Harrison Co	1710
	Harrison	Logan	Day 6 By	Extension	TAC
	i iai iioUII	Logan	Day o Dy	LAGISIOII	170
				Harrison Co. Extension and Commercial Horticulture	
	Harrison	Magnolia	Sawmill Hollow, Inc.	Field Specialist	TAC
	Harrison	Woodbine	Woodbine Horizons	ISU Extension	OCOM
	Harrison	all communities	Volunteer Income Tax Assistance	ISU Extension	OCOM
	Harrison		Multi-State Regional Development	Extension CED	FAC
	Harrison		Rural Development Resource Center	Extension CED	FAC
	Harrison		Rural Development Resource Center: Grow Iowa	Extension CED	BAC/ TCOM/ FAC/
			Fund; Wallace Fund; Southwest Iowa Coalition		BCOM
	Harrison		Rural Development Summit	Extension CED	FAC
	Harrison		Southwest Iowa Coalition	Extension CED	FAC
Harrison County	21				2
	Henry	Mount Pleasant	LINCS Committee	IDRO, Landscape Architecture Landscape , CRP	BCOM
	Honny	Mt. Pleasant	Mt. Pleasant Chamber of Commerce	College of Engineering	BCOM
	Henry	IVII. Pieasani	Mt. Pleasant Chamber of Commerce		BCOIVI
				Brenton Ctr for Ag	
	Henry	Winfield	Distance Education Students = 1	Instruction	PWD
	Henry	Mt. Pleasant	West Liberty Foods	Meat Science Extension	PWD
	Henry	Mount Pleasant	LINCS Committee	IDRO, Landscape Architecture Extension Landscape Extension , CRP Extension	ВСОМ
	Henry	Mt. Pleasant	Mt. Pleasant	Extension CED	ОСОМ
	Henry	Mount Pleasant	ANNA's Pantry	CEED	BAC
	. ioiny	sunt i lododint	, and to to thing	Community Viz/Communities	2.10
	Honny	Mount Placeant	Mount Pleasant LINCS	Extension	BAC
	Henry	Mount Pleasant Mount Pleasant	Farmer's Market Growers	CEED	BCOM
	Henry				
	Henry	Mount Pleasant	Chamber of Commerce/Entrepreunership	CEED	BCOM
	Henry	Mount Pleasant	New Iowans Workforce Development	CEED	BCOM
	Tioniy				
	Henry	Mount Pleasant	Mt. Pleasant Foods	ISU Meats-Cordray/SE Extension	PWD
			Mt. Pleasant Foods Grasshopper Green	Extension Anita Hampton-Local Childcare	PWD PWD
	Henry	Mount Pleasant		Extension  Anita Hampton-Local Childcare  Anita Hampton-Local Childcare	
	Henry	Mount Pleasant  Mount Pleasant	Grasshopper Green	Extension Anita Hampton-Local Childcare Anita Hampton-Local Childcare Anita Hampton-Local Childcare	PWD
	Henry Henry Henry Henry	Mount Pleasant  Mount Pleasant  Winfield  New London	Grasshopper Green  Warmth and Wonders  Glow and Grow	Extension Anita Hampton-Local Childcare Anita Hampton-Local Childcare Anita Hampton-Local Childcare Anita Hampton-Local Childcare Anita Hampton-Local	PWD PWD
	Henry Henry Henry Henry Henry	Mount Pleasant  Mount Pleasant  Winfield  New London  Mount Pleasant	Grasshopper Green Warmth and Wonders Glow and Grow Owl's Nest	Extension Anita Hampton-Local Childcare Anita Hampton-Local Childcare Anita Hampton-Local Childcare Anita Hampton-Local Childcare Childcare Childcare	PWD PWD PWD
	Henry Henry Henry Henry Henry Henry Henry	Mount Pleasant  Mount Pleasant  Winfield  New London  Mount Pleasant  Mount Pleasant	Grasshopper Green  Warmth and Wonders  Glow and Grow  Owl's Nest Heatilator	Extension Anita Hampton-Local Childcare Anita Hampton-Local Childcare Anita Hampton-Local Childcare Anita Hampton-Local Childcare ISUE-CIRAS	PWD PWD TAC
	Henry Henry Henry Henry Henry Henry Henry Henry Henry	Mount Pleasant  Mount Pleasant  Winfield  New London  Mount Pleasant  Mount Pleasant  Mount Pleasant	Grasshopper Green  Warmth and Wonders  Glow and Grow  Owl's Nest Heatilator Heatilator	Extension Anita Hampton-Local Childcare Anita Hampton-Local Childcare Anita Hampton-Local Childcare Anita Hampton-Local Childcare ISUE-CIRAS ISUE-CIRAS	PWD PWD PWD TAC TAC
	Henry Henry Henry Henry Henry Henry Henry Henry Henry Henry	Mount Pleasant  Mount Pleasant  Winfield  New London  Mount Pleasant  Mount Pleasant  Mount Pleasant  Mt Pleasant  Mt Pleasant	Grasshopper Green  Warmth and Wonders  Glow and Grow  Owl's Nest Heatilator Heatilator Fellowship Cup Corp.	Extension Anita Hampton-Local Childcare Anita Hampton-Local Childcare Anita Hampton-Local Childcare Anita Hampton-Local Childcare Anita Hampton-Local Childcare ISUE-CIRAS ISUE-CIRAS Extension CED	PWD PWD PWD TAC TAC PWD
	Henry Henry Henry Henry Henry Henry Henry Henry Henry Henry Henry Henry	Mount Pleasant  Mount Pleasant  Winfield  New London  Mount Pleasant  Mount Pleasant  Mount Pleasant	Grasshopper Green  Warmth and Wonders  Glow and Grow  Owl's Nest Heatilator Heatilator Fellowship Cup Corp. Community Youth Coalition	Extension Anita Hampton-Local Childcare Anita Hampton-Local Childcare Anita Hampton-Local Childcare Anita Hampton-Local Childcare ISUE-CIRAS ISUE-CIRAS Extension CED Extension CED	PWD PWD PWD TAC TAC TAC PWD OCOM
	Henry Henry Henry Henry Henry Henry Henry Henry Henry Henry	Mount Pleasant  Mount Pleasant  Winfield  New London  Mount Pleasant  Mount Pleasant  Mount Pleasant  Mt Pleasant  Mt Pleasant	Grasshopper Green  Warmth and Wonders  Glow and Grow  Owl's Nest Heatilator Heatilator Heatilator Fellowship Cup Corp. Community Youth Coalition County Local Housing Trust Fund	Extension Anita Hampton-Local Childcare Anita Hampton-Local Childcare Anita Hampton-Local Childcare Anita Hampton-Local Childcare ISUE-CIRAS ISUE-CIRAS Extension CED Extension CED Extension CED	PWD PWD PWD TAC TAC TAC PWD OCOM TCOM
	Henry Henry Henry Henry Henry Henry Henry Henry Henry Henry Henry Henry	Mount Pleasant  Mount Pleasant  Winfield  New London  Mount Pleasant  Mount Pleasant  Mount Pleasant  Mt Pleasant  Mt Pleasant	Grasshopper Green  Warmth and Wonders  Glow and Grow  Owl's Nest Heatilator Heatilator Fellowship Cup Corp. Community Youth Coalition	Extension Anita Hampton-Local Childcare Anita Hampton-Local Childcare Anita Hampton-Local Childcare Anita Hampton-Local Childcare ISUE-CIRAS ISUE-CIRAS Extension CED Extension CED	PWD PWD PWD TAC TAC TAC PWD OCOM
	Henry Henry Henry Henry Henry Henry Henry Henry Henry Henry Henry Henry Henry Henry	Mount Pleasant  Mount Pleasant  Winfield  New London  Mount Pleasant  Mount Pleasant  Mount Pleasant  Mt Pleasant  Mt Pleasant	Grasshopper Green  Warmth and Wonders  Glow and Grow  Owl's Nest Heatilator Heatilator Heatilator Fellowship Cup Corp. Community Youth Coalition County Local Housing Trust Fund	Extension Anita Hampton-Local Childcare Anita Hampton-Local Childcare Anita Hampton-Local Childcare Anita Hampton-Local Childcare ISUE-CIRAS ISUE-CIRAS Extension CED Extension CED Extension CED	PWD PWD PWD TAC TAC TAC PWD OCOM TCOM
	Henry Henry Henry Henry Henry Henry Henry Henry Henry Henry Henry Henry Henry Henry	Mount Pleasant  Mount Pleasant  Winfield  New London  Mount Pleasant  Mount Pleasant  Mount Pleasant  Mt Pleasant  Mt Pleasant	Grasshopper Green  Warmth and Wonders  Glow and Grow  Owl's Nest Heatilator Heatilator Heatilor Fellowship Cup Corp. Community Youth Coalition County Local Housing Trust Fund Henry County	Extension Anita Hampton-Local Childcare Anita Hampton-Local Childcare Anita Hampton-Local Childcare Anita Hampton-Local Childcare ISUE-CIRAS ISUE-CIRAS Extension CED Extension CED Extension CED Extension CED	PWD PWD PWD TAC TAC PWD OCOM TCOM TCOM

	Howard	Elma	Elma	Landscape Architecture, IDRO	ВСОМ
	Howard	Lime Springs	Lime Springs	Landscape Architecture,	ВСОМ
	Howard	Upper Explorerland	Building & Zoning	CRP	ТСОМ
	Howard	Cresco	Cresco Food Technologies	Meat Science Extension	PWD
	Howard	Elma	Elma Locker & Grocery Inc	Meat Science Extension	PWD
	Howard	Lime Springs	Lime Springs Locker	Meat Science Extension	PWD
	Howard	Protivin	Polashek's Locker	Meat Science Extension	PWD
	Howard	Riceville	Riceville Locker	Meat Science Extension	PWD
	Howard	Cresco	NE Iowa Community Development Conference	Extension CED	FAC
	Howard	Elma	Elma	Landscape Architecture,	BCOM
				IDRO	
	Howard	Lime Springs	Lime Springs	Landscape Architecture, IDRO	ВСОМ
	Howard	Upper Explorerland	Building & Zoning	Extension CED, CRP Extension	ТСОМ
	Howard		Howard County Auditors	Extension CED	OCOM
	Howard		Silos & Smokestacks National Heritage Area	Extension CED	ОСОМ
	Howard		Northeast Iowa Food & Farm Coalition	Howard County Extension	BCOM
	Howard		Northeast Iowa Food & Fitness Initiative	Howard County Extension	BCOM
	Howard	Elma	Elma HORIZONS	Howard County Extension	BCOM
	Howard	Cresco	Cresco Chamber Board	Howard County Extension	FAC
	Howard	Cresco	Community Service Committee	Howard County Extension	FAC
			·	ISU Extension & Howard Co.	
	Howard	Elma	Cedar Valley Produce Auction	Extension	PWD
	Howard	Cresco	Regional Health Services	ISU Extension	OCOM
	Howard	Cresco	Donaldson Company	ISU Extension	PWD
	Howard	Protivin	Art's Milling	ISU Extension	PWD
	Howard	Elma	Peoples Savings Bank	ISU Extension	PWD
Howard County	noward 24	Littia	. Sopios Garingo Bank	. O LAGISION	24
110 War a County	Howard		NE Iowa Community Development Conference	Extension CED	FAC
	Howard		NE Iowa Community Development Conference  NE Iowa Food & Farm Coalition	CD-DIAL - Sociology	BAC
			NE Iowa Food & Farm Coailtion	Extension	
Howard County	2				2
	Humboldt	Humboldt	Humboldt County Development Association	OIPTT	BCOM
	Humboldt	Humboldt	Hadar Mfg. Inc.	College of Engineering	TAC
				Center for Nondestructive	
	Humboldt	Humboldt	Dodgen Industries	Evaluation, IPRT	TAC
	Humboldt	Dakota City	NE Iowa Community Development Conference	Extension CED	FAC
	Humboldt		NE Iowa Community Development Conference	Extension CED	FAC
				Humboldt County ISU	
	Humboldt	Humboldt	Humboldt County Community Foundation	Extension Humboldt County ISU	FAC
	Humboldt	Humboldt	Mid Iowa Development Conference Committee	Extension Humboldt County ISU	FAC
	Humboldt	Humboldt	Humboldt County Barn Quilts Project	Extension	ОСОМ
	Humboldt	Humboldt	Humboldt Sheltered Workshop Staff	ISU Extension	PWD
	Humboldt	Humboldt	Greenbelt Power Cooperative	ISU Extension	PWD
	Humboldt	Humboldt	County maintenance and Road Crews	ISU Extension	PWD
	Humboldt	Humboldt	Hog Slot, Inc	ISU Extension	PWD
	Humboldt	Humboldt	Businesses owned/operated by women	ISU Extension	PWD
				ISU Extension	
	Humboldt	Humboldt	Lighten Up Iowa-Humboldt Memorial Hospital		PWD
	Humboldt	Humboldt	Dodgen Industries Inc	ISUE-CIRAS	TAC
	Humboldt	Gilmore City	Calcium Products Inc	ISUE-CIRAS	TAC
	Humboldt	Humboldt	Dodgen Industries Inc	ISUE-CIRAS	BAC
	Humboldt	Humboldt	Hy-Capacity Engineering and Mfg	ISUE-CIRAS	TAC
	Humboldt	Humboldt	Hy-Capacity Engineering and Mfg	ISUE-CIRAS	TAC
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	Humboldt	Humboldt	Hy-Capacity Engineering and Mfg	ISUE-CIRAS	TAC
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	Humboldt	Humboldt	Hy-Capacity Engineering and Mfg Yacht Club Trailers Hy-Capacity Engineering and Mfg	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TAC TAC TAC
	Humboldt Humboldt	Humboldt Humboldt	Hy-Capacity Engineering and Mfg Yacht Club Trailers	ISUE-CIRAS ISUE-CIRAS	TAC TAC TAC PWD
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Humboldt County	Humboldt Humboldt Humboldt Humboldt Humboldt Humboldt Humboldt	Humboldt Humboldt Humboldt Humboldt Humboldt	Hy-Capacity Engineering and Mfg Yacht Club Trailers Hy-Capacity Engineering and Mfg City of Humboldt Humboldt Co. Engineering Office	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech CTRE/CP Tech	TAC TAC TAC PWD PWD OCOM PWD
Humboldt County	Humboldt Humboldt Humboldt Humboldt Humboldt Humboldt Humboldt Humboldt	Humboldt Humboldt Humboldt Humboldt Humboldt Humboldt	Hy-Capacity Engineering and Mfg Yacht Club Trailers Hy-Capacity Engineering and Mfg City of Humboldt Humboldt Co. Engineering Office Humboldt County Auditors Humboldt County E-911	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech CTRE/CP Tech Extension CED Extension CED Armstrong Research Farm,	TAC TAC TAC PWD PWD OCOM PWD
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	1.1.				
	Ida		24 election officials certified	CED	OCOM
	lda	Ida Grove	Battle Creek Ida Grove Comm. School Dist	Families Extension	PWD
	lda		Ida County ED Forum	Communities	FAC
	lda	Ida Grove	GOMACO Corp.	CTRE/CP Tech	PWD
	lda	Ida Grove	Ida Co.	CTRE/CP Tech	PWD
	lda	Galva	Quad County Corn Processors	Industry Relations	TAC
	Ida	Galva	Quad County Corn Processors	Industry Relations	TAC
	lda		24 election officials certified	Extension CED	OCOM
	Ida		Ida County Auditors	Extension CED	OCOM
	lda		Ida County Community Betterment Foundation	CD-DIAL - Sociology	OCOM
			, , ,	Extension	
	lda		Ida County ED Forum	Extension CED	FAC
Ida County	21		ida codiny 25 i ordin	Exteriolori GEB	21
,	Iowa	Amana	Tripletail Ventures, Inc.	OIPTT	BAC
	Iowa	Amana	Tripletail Ventures, Inc.	OIPTT	FAC
	Iowa	Victor	TL Fabrications	College of Business	FAC
	lowa	Williamsburg	City Clerk/Treasurer	CRP	TCOM
	IOWA	vviillairisburg	City Clerk Heasurer	Brenton Ctr for Ag	TCOW
	lowa	Conrov	Distance Education Students = 1	Instruction	PWD
		Conroy	Modern Coop Tel	NCRCRD	OCOM
	Iowa	North English			
	Iowa	Williamsburg	Roehrkasse Meat Co	Meat Science Extension	PWD
	lowa	Williamsburg	City Clerk/Treasurer	Extension CED, CRP	TCOM
				Extension	
	lowa		Iowa County Auditors	Extension CED	OCOM
	lowa	Homestead	The Old Creamery Theatre Co., Homestead	Johnson County Extension	PWD
	Iowa	Williamsburg	Iowa Valley RC&D, Williamsburg	Johnson County Extension	PWD
	Iowa		John Schulte Farm	Extension/Iowa Beef Center	TAC
	Iowa		Iowa Valley RC&D	Extension/Iowa Beef Center	BAC
	Iowa		Price Creek Watershed Project	Extension/Iowa Beef Center	OCOM
			,	Midwest Grape & Wine	
	Iowa	Marengo	Fireside Winery	Industry Institute	TAC, BAC
	lowa	South Amana	Iowa Co.	CTRE/CP Tech	PWD
	lowa	South Amana	Wendler Engineering & Construction	CTRE/CP Tech	PWD
	Iowa	Couli / tiridila	Iowa County tourism	Extension CED	FAC
	lowa		Silos & Smokestacks National Heritage Area	Extension CED	OCOM
Iowa County	19		Silos & Silionestacks National Heritage Area	Exterision CED	19
liowa County	19				19
•				Midwoot Cropo & Mino	
	laskasa	Drastan	Java Crana Vinas Ivias Facility	Midwest Grape & Wine	DAC
-	Jackson	Preston	Iowa Grape Vines Juice Facility	Industry Institute	BAC
	Jackson Jackson	Preston Bellevue	Iowa Grape Vines Juice Facility Iowa Healthy Edge Meats	Industry Institute OIPTT	BAC BAC
	Jackson	Bellevue	Iowa Healthy Edge Meats	Industry Institute OIPTT IPRT Company Assistance-	BAC
				Industry Institute OIPTT IPRT Company Assistance- NDE	
	Jackson Jackson	Bellevue Maquoketa	lowa Healthy Edge Meats Precision Pulley & Idler	Industry Institute OIPTT IPRT Company Assistance- NDE Brenton Ctr for Ag	TAC TAC
	Jackson  Jackson  Jackson	Bellevue  Maquoketa  Monmouth	lowa Healthy Edge Meats  Precision Pulley & Idler  Distance Education Students = 2	Industry Institute OIPTT IPRT Company Assistance- NDE Brenton Ctr for Ag Instruction	TAC PWD
	Jackson Jackson	Bellevue Maquoketa	lowa Healthy Edge Meats Precision Pulley & Idler	Industry Institute OIPTT IPRT Company Assistance- NDE Brenton Ctr for Ag Instruction Meat Science Extension	TAC TAC
	Jackson  Jackson  Jackson  Jackson	Bellevue Maquoketa Monmouth Miles	lowa Healthy Edge Meats  Precision Pulley & Idler  Distance Education Students = 2  Scooties Pizza	Industry Institute OIPTT IPRT Company Assistance- NDE Brenton Ctr for Ag Instruction Meat Science Extension Agricultural Education and	TAC PWD PWD
	Jackson Jackson Jackson Jackson Jackson	Bellevue  Maquoketa  Monmouth	lowa Healthy Edge Meats  Precision Pulley & Idler  Distance Education Students = 2  Scooties Pizza  Preston Community Schools	Industry Institute OIPTT IPRT Company Assistance- NDE Brenton Ctr for Ag Instruction Meat Science Extension Agricultural Education and Studies	BAC TAC PWD PWD OCOM
	Jackson  Jackson  Jackson  Jackson	Bellevue Maquoketa Monmouth Miles	lowa Healthy Edge Meats  Precision Pulley & Idler  Distance Education Students = 2  Scooties Pizza  Preston Community Schools  Silos & Smokestacks National Heritage Area	Industry Institute OIPTT IPRT Company Assistance- NDE Brenton Ctr for Ag Instruction Meat Science Extension Agricultural Education and Studies Extension CED	TAC PWD PWD OCOM OCOM
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	Jackson  Jackson  Jackson  Jackson  Jackson  Jackson	Bellevue Maquoketa Monmouth Miles Preston	lowa Healthy Edge Meats  Precision Pulley & Idler  Distance Education Students = 2  Scooties Pizza  Preston Community Schools  Silos & Smokestacks National Heritage Area	Industry Institute OIPTT IPRT Company Assistance- NDE Brenton Ctr for Ag Instruction Meat Science Extension Agricultural Education and Studies Extension CED ISUE Jackson County ISUE Jackson County	BAC TAC PWD PWD OCOM OCOM FAC OCOM
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Jackson County	Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson	Bellevue  Maquoketa  Monmouth Miles  Preston  Maquoketa Maquoketa Maquoketa Preston  Maquoketa Preston  Maquoketa Bellevue  Bellevue	lowa Healthy Edge Meats  Precision Pulley & Idler  Distance Education Students = 2 Scooties Pizza  Preston Community Schools Silos & Smokestacks National Heritage Area Jackson County Jackson County Emergency Management City of Maquoketa Preston Community Schools Maquoketa Community School Disctrict KMAQ Radio Station Event in Jackson County City of Bellevue	Industry Institute OIPTT IPRT Company Assistance- NDE Brenton Ctr for Ag Instruction Meat Science Extension Agricultural Education and Studies Extension CED ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Extension ISUE-CIRAS CTRE/CP Tech	BAC TAC PWD PWD OCOM OCOM FAC OCOM OCOM OCOM OCOM OCOM PWD FAC PWD
Jackson County	Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson	Bellevue  Maquoketa  Monmouth Miles  Preston  Maquoketa Maquoketa Maquoketa Preston  Maquoketa Preston  Maquoketa Bellevue  Bellevue	lowa Healthy Edge Meats  Precision Pulley & Idler  Distance Education Students = 2 Scooties Pizza  Preston Community Schools Silos & Smokestacks National Heritage Area Jackson County Jackson County Emergency Management City of Maquoketa Preston Community Schools Maquoketa Community School Disctrict KMAQ Radio Station Event in Jackson County City of Bellevue	Industry Institute OIPTT IPRT Company Assistance- NDE Brenton Ctr for Ag Instruction Meat Science Extension Agricultural Education and Studies Extension CED ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Extension ISUE-CIRAS CTRE/CP Tech	BAC TAC PWD PWD OCOM OCOM FAC OCOM OCOM OCOM OCOM OCOM PWD FAC PWD FAC PWD PWD
Jackson County	Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson	Bellevue  Maquoketa  Monmouth Miles  Preston  Maquoketa Maquoketa Maquoketa Preston  Maquoketa Adquoketa Maquoketa Bellevue Bellevue	lowa Healthy Edge Meats  Precision Pulley & Idler  Distance Education Students = 2 Scooties Pizza  Preston Community Schools Silos & Smokestacks National Heritage Area Jackson County Jackson County Emergency Management City of Maquoketa Preston Community Schools Maquoketa Community School Disctrict KMAQ Radio Station Event in Jackson County City of Bellevue City of Bellevue	Industry Institute OIPTT IPRT Company Assistance- NDE Brenton Ctr for Ag Instruction Meat Science Extension Agricultural Education and Studies Extension CED ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Trent County ISUE Trent County ISUE-CIRAS CTRE/CP Tech CTRE/CP Tech	BAC TAC PWD PWD PWD OCOM OCOM FAC OCOM OCOM OCOM OCOM PWD FAC PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Jackson County	Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson  Jackson	Bellevue  Maquoketa  Monmouth Miles  Preston  Maquoketa Maquoketa Maquoketa Preston  Maquoketa Adquoketa Maquoketa Bellevue Bellevue	lowa Healthy Edge Meats  Precision Pulley & Idler  Distance Education Students = 2 Scooties Pizza  Preston Community Schools Silos & Smokestacks National Heritage Area Jackson County Jackson County Emergency Management City of Maquoketa Preston Community Schools Maquoketa Community School Disctrict KMAQ Radio Station Event in Jackson County City of Bellevue City of Bellevue	Industry Institute OIPTT IPRT Company Assistance- NDE Brenton Ctr for Ag Instruction Meat Science Extension Agricultural Education and Studies Extension CED ISUE Jackson County ISUE Jack	BAC TAC PWD PWD PWD OCOM OCOM FAC OCOM OCOM OCOM OCOM PWD FAC PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
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Jackson County	Jackson  Jackson	Bellevue  Maquoketa  Monmouth Miles  Preston  Maquoketa Maquoketa Maquoketa Preston  Maquoketa Preston  Maquoketa Bellevue Bellevue  Monroe  Sully	lowa Healthy Edge Meats  Precision Pulley & Idler  Distance Education Students = 2  Scooties Pizza  Preston Community Schools  Silos & Smokestacks National Heritage Area  Jackson County  Jackson County Emergency Management  City of Maquoketa  Preston Community Schools  Maquoketa Community School Disctrict  KMAQ Radio Station  Event in Jackson County  City of Bellevue  City of Bellevue  City Administrator  Co-Line Welding, Inc.	Industry Institute OIPTT IPRT Company Assistance- NDE Brenton Ctr for Ag Instruction Meat Science Extension Agricultural Education and Studies Extension CED ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE CIRAS CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech ERP IPRT Company Assistance- NDE Brenton Ctr for Ag	BAC TAC PWD PWD OCOM OCOM OCOM OCOM OCOM OCOM PWD FAC PWD FAC PWD PWD TAC
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Jackson County	Jackson  Jackson	Bellevue Maquoketa Monmouth Miles Preston Maquoketa Maquoketa Maquoketa Maquoketa Preston Maquoketa Bellevue Bellevue Monroe Sully Reasnor Sully Newton	lowa Healthy Edge Meats  Precision Pulley & Idler  Distance Education Students = 2 Scooties Pizza  Preston Community Schools Silos & Smokestacks National Heritage Area Jackson County Jackson County Emergency Management City of Maquoketa Preston Community Schools Maquoketa Community School Disctrict KMAQ Radio Station Event in Jackson County City of Bellevue City of Bellevue  City Administrator  Co-Line Welding, Inc.  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 4	Industry Institute OIPTT IPRT Company Assistance- NDE Brenton Ctr for Ag Instruction Meat Science Extension Agricultural Education and Studies Extension CED ISUE Jackson County ISUE Jack	BAC TAC PWD PWD OCOM OCOM OCOM OCOM OCOM OCOM OCOM PWD FAC PWD FAC PWD TAC PWD TAC PWD PWD TAC PWD PWD TAC PWD PWD TAC PWD PWD TAC PWD PWD TAC PWD PWD TAC PWD PWD PWD TAC PWD PWD PWD TAC PWD PWD
Jackson County	Jackson  Jasper	Bellevue  Maquoketa  Monmouth Miles  Preston  Maquoketa Maquoketa Maquoketa Preston Maquoketa Preston Maquoketa Bellevue Bellevue  Monroe  Sully Reasnor Sully Newton Reasnor	lowa Healthy Edge Meats  Precision Pulley & Idler  Distance Education Students = 2 Scooties Pizza  Preston Community Schools Silos & Smokestacks National Heritage Area Jackson County Jackson County Emergency Management City of Maquoketa Preston Community Schools Maquoketa Community School Disctrict KMAQ Radio Station Event in Jackson County City of Bellevue City of Bellevue  City Administrator  Co-Line Welding, Inc.  Distance Education Students = 1  Distance Education Students = 4  PSEOA Distance Education Students = 1	Industry Institute OIPTT IPRT Company Assistance- NDE Brenton Ctr for Ag Instruction Meat Science Extension Agricultural Education and Studies Extension CED ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Teckson CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CRP IPRT Company Assistance- NDE Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction	BAC TAC PWD PWD PWD OCOM OCOM OCOM OCOM OCOM OCOM OCOM PWD FAC PWD FAC PWD TAC PWD PWD TAC PWD PWD TAC PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Jackson County	Jackson  Jackson	Bellevue Maquoketa Monmouth Miles Preston Maquoketa Maquoketa Maquoketa Maquoketa Preston Maquoketa Bellevue Bellevue Monroe Sully Reasnor Sully Newton	lowa Healthy Edge Meats  Precision Pulley & Idler  Distance Education Students = 2 Scooties Pizza  Preston Community Schools Silos & Smokestacks National Heritage Area Jackson County Jackson County Emergency Management City of Maquoketa Preston Community Schools Maquoketa Community School Disctrict KMAQ Radio Station Event in Jackson County City of Bellevue City of Bellevue  City Administrator  Co-Line Welding, Inc.  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 4	Industry Institute OIPTT IPRT Company Assistance- NDE Brenton Ctr for Ag Instruction Meat Science Extension Agricultural Education and Studies Extension CED ISUE Jackson County ISUE Jack	BAC TAC PWD PWD OCOM OCOM OCOM OCOM OCOM OCOM OCOM PWD FAC PWD FAC PWD TAC PWD TAC PWD PWD TAC PWD PWD TAC PWD PWD TAC PWD PWD TAC PWD PWD TAC PWD PWD TAC PWD PWD PWD TAC PWD PWD PWD TAC PWD PWD
Jackson County	Jackson  Jac	Bellevue Maquoketa Monmouth Miles Preston Maquoketa Maquoketa Maquoketa Maquoketa Maquoketa Preston Maquoketa Bellevue Bellevue Monroe Sully Reasnor Sully Newton Reasnor	lowa Healthy Edge Meats  Precision Pulley & Idler  Distance Education Students = 2 Scooties Pizza  Preston Community Schools Silos & Smokestacks National Heritage Area Jackson County Jackson County Emergency Management City of Maquoketa Preston Community School Disctrict KMAQ Radio Station Event in Jackson County City of Bellevue City of Bellevue City Administrator  Co-Line Welding, Inc.  Distance Education Students = 1  Distance Education Students = 4  PSEOA Distance Education Students = 1  City Administrator	Industry Institute OIPTT IPRT Company Assistance- NDE Brenton Ctr for Ag Instruction Meat Science Extension Agricultural Education and Studies Extension CED ISUE Jackson County ISUE Jack	BAC TAC PWD PWD OCOM OCOM OCOM OCOM OCOM OCOM PWD FAC PWD FAC PWD TAC PWD TAC PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
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Jackson County	Jackson  Jasper  Jasper  Jasper  Jasper	Bellevue  Maquoketa  Monmouth Miles  Preston  Maquoketa Maquoketa Maquoketa Preston Maquoketa Maquoketa Bellevue Bellevue  Monroe  Sully  Reasnor Sully  Newton  Reasnor Monroe  Newton  Newton	lowa Healthy Edge Meats  Precision Pulley & Idler  Distance Education Students = 2  Scooties Pizza  Preston Community Schools  Silos & Smokestacks National Heritage Area Jackson County Jackson County Emergency Management  City of Maquoketa Preston Community Schools  Maquoketa Community School Disctrict  KMAQ Radio Station  Event in Jackson County  City of Bellevue  City of Bellevue  City of Bellevue  City Administrator  Co-Line Welding, Inc.  Distance Education Students = 1  Distance Education Students = 4  PSEOA Distance Education Students = 1  City Administrator  Central lowa Payroll  former Maytag employees	Industry Institute OIPTT IPRT Company Assistance- NDE Brenton Ctr for Ag Instruction Meat Science Extension Agricultural Education and Studies Extension CED ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Teckson ISUE-CIRAS CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech  CRP IPRT Company Assistance- NDE Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Extension CED, CRP Extension CED Extension CED Extension CED	BAC TAC PWD PWD PWD OCOM OCOM OCOM OCOM OCOM OCOM OCOM PWD FAC PWD FAC PWD PWD TCOM TAC PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Jackson County	Jackson  Jasper  Jasper  Jasper  Jasper  Jasper  Jasper  Jasper  Jasper  Jasper  Jasper	Bellevue Maquoketa Monmouth Miles Preston  Maquoketa Maquoketa Maquoketa Maquoketa Preston Maquoketa Maquoketa Maquoketa Maquoketa Sellevue Bellevue  Monroe Sully Reasnor Sully Newton Reasnor Monroe Newton Newton Newton	lowa Healthy Edge Meats  Precision Pulley & Idler  Distance Education Students = 2 Scooties Pizza  Preston Community Schools Silos & Smokestacks National Heritage Area Jackson County Jackson County Emergency Management City of Maquoketa Preston Community Schools Maquoketa Community School Disctrict KMAQ Radio Station Event in Jackson County City of Bellevue City of Bellevue  City of Bellevue  City Administrator  Co-Line Welding, Inc.  Distance Education Students = 1  Distance Education Students = 4  PSEOA Distance Education Students = 1  City Administrator  Central Iowa Payroll former Maytag employees  NE Iowa Community Development Conference	Industry Institute OIPTT IPRT Company Assistance- NDE Brenton Ctr for Ag Instruction Meat Science Extension Agricultural Education and Studies Extension CED ISUE Jackson County ISUE Jack	BAC TAC PWD PWD OCOM OCOM OCOM OCOM OCOM OCOM PWD FAC PWD FAC PWD TAC PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Jackson County	Jackson  Jasper  Jasper  Jasper  Jasper  Jasper  Jasper  Jasper  Jasper  Jasper	Bellevue Maquoketa Monmouth Miles Preston Maquoketa Maquoketa Maquoketa Maquoketa Maquoketa Maquoketa Bellevue Bellevue Monroe Sully Reasnor Sully Newton Reasnor Monroe Newton Newton Newton Newton	lowa Healthy Edge Meats  Precision Pulley & Idler  Distance Education Students = 2 Scooties Pizza  Preston Community Schools Silos & Smokestacks National Heritage Area Jackson County Jackson County Emergency Management City of Maquoketa Preston Community School Disctrict KMAQ Radio Station Event in Jackson County City of Bellevue City of Bellevue City Administrator  Co-Line Welding, Inc.  Distance Education Students = 1  Distance Education Students = 4  PSEOA Distance Education Students = 1  City Administrator  Central Iowa Payroll former Maytage employees NE Iowa Community Development Conference Newton	Industry Institute OIPTT IPRT Company Assistance- NDE Brenton Ctr for Ag Instruction Meat Science Extension Agricultural Education and Studies Extension CED ISUE Jackson County ISUE Jack	BAC TAC PWD PWD OCOM OCOM OCOM OCOM OCOM OCOM PWD FAC PWD FAC PWD TAC PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
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Jackson County	Jackson  Jasper  Jasper	Bellevue  Maquoketa  Monmouth Miles  Preston  Maquoketa Maquoketa Maquoketa Preston Maquoketa Maquoketa Maquoketa Maquoketa Maquoketa Maquoketa Maquoketa Maquoketa Monroe  Sully Reasnor Sully Newton Reasnor Monroe  Newton Newton Newton Newton Newton Newton Newton Newton Newton	lowa Healthy Edge Meats  Precision Pulley & Idler  Distance Education Students = 2 Scooties Pizza  Preston Community Schools Silios & Smokestacks National Heritage Area Jackson County Jackson County Emergency Management City of Maquoketa Preston Community Schools Maquoketa Community School Disctrict KMAQ Radio Station Event in Jackson County City of Bellevue City of Bellevue City of Bellevue  City Administrator  Co-Line Welding, Inc.  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 4  PSEOA Distance Education Students = 1  City Administrator  Central lowa Payroll former Maytag employees NE lowa Community Development Conference Newton Newton Community Ed. Foundation Jasper County	Industry Institute OIPTT IPRT Company Assistance- NDE Brenton Ctr for Ag Instruction Meat Science Extension Agricultural Education and Studies Extension CED ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Jackson County ISUE Fackson County ISUE Jackson County ISUE Jackson County ISUE Fackson ISUE-CIRAS CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech  CRP IPRT Company Assistance- NDE Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Extension Ctr for Ag Instruction Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED	BAC TAC PWD PWD OCOM OCOM OCOM OCOM OCOM OCOM PWD FAC PWD FAC PWD TCOM TAC PWD PWD PWD PWD TCOM PWD PWD TCOM PWD TCOM PWD TCOM
Jackson County	Jackson  Jasper  Jasper  Jasper  Jasper  Jasper  Jasper  Jasper  Jasper  Jasper  Jasper  Jasper  Jasper  Jasper  Jasper  Jasper  Jasper  Jasper	Bellevue Maquoketa Monmouth Miles Preston  Maquoketa Maquoketa Maquoketa Maquoketa Maquoketa Maquoketa Bellevue Bellevue Monroe Sully Reasnor Sully Newton Reasnor Monroe Newton Newton Newton Newton Newton Newton Newton	lowa Healthy Edge Meats  Precision Pulley & Idler  Distance Education Students = 2 Scooties Pizza  Preston Community Schools Silos & Smokestacks National Heritage Area Jackson County Jackson County Emergency Management City of Maquoketa Preston Community Schools Maquoketa Community School Disctrict KMAQ Radio Station Event in Jackson County City of Bellevue City of Bellevue City of Bellevue  City Administrator  Co-Line Welding, Inc.  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 4  PSEOA Distance Education Students = 1  City Administrator  Central Iowa Payroll former Maytag employees NE Iowa Community Development Conference Newton Newton Community Ed. Foundation Jasper County Maytag Engineeers	Industry Institute OIPTT IPRT Company Assistance- NDE Brenton Ctr for Ag Instruction Meat Science Extension Agricultural Education and Studies Extension CED ISUE Jackson County ISUE Jack	BAC TAC PWD PWD OCOM OCOM OCOM OCOM OCOM OCOM PWD FAC PWD FAC PWD TAC PWD PWD TCOM PWD PWD PWD TCOM PWD PWD TCOM PWD PWD TCOM PWD PWD TCOM PWD PWD PWD TCOM PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Jackson County	Jackson  Jasper  Jasper	Bellevue Maquoketa Monmouth Miles Preston  Maquoketa Maquoketa Maquoketa Maquoketa Preston Maquoketa Maquoketa Bellevue Bellevue Bellevue Monroe Sully Reasnor Sully Newton Reasnor Monroe Newton Newton Newton Newton Newton Newton Newton Newton Newton Newton Newton Newton Newton Newton	lowa Healthy Edge Meats  Precision Pulley & Idler  Distance Education Students = 2 Scooties Pizza  Preston Community Schools Silos & Smokestacks National Heritage Area Jackson County Jackson County Emergency Management City of Maquoketa Preston Community School Disctrict KMAQ Radio Station Event in Jackson County City of Bellevue City of Bellevue City of Bellevue City Administrator  Co-Line Welding, Inc.  Distance Education Students = 1  Distance Education Students = 2  Distance Education Students = 4  PSEOA Distance Education Students = 1  City Administrator  Central Iowa Payroll former Maytag employees NE Iowa Community Development Conference Newton Newton Community Ed. Foundation Jasper County Maytag Engineeers Newton Development Corporation	Industry Institute OIPTT IPRT Company Assistance- NDE Brenton Ctr for Ag Instruction Meat Science Extension Agricultural Education and Studies Extension CED ISUE Jackson County ISUE Jack	BAC TAC PWD PWD OCOM OCOM OCOM OCOM OCOM OCOM PWD FAC PWD FAC PWD TAC PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD

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	Jasper	Newton	McDonalds of Newton	ISU Extension	PWD
	Jasper	D O	Event in Jasper County	ISUE-CIRAS	BAC
	Jasper	Prairie City	Moore Machining and Mfg	ISUE-CIRAS	BAC
	Jasper	Sully	Co-Line Welding Inc	ISUE-CIRAS	TAC
	Jasper	Newton	Jasper Co.	CTRE/CP Tech	PWD
	Jasper	Newton	Johnstone & Assoc.	CTRE/CP Tech	PWD
	Jasper	Newton	Jasper County Supervisor	Industry Relations	BCOM
	Jasper	Newton	Newton Transfortation Council	College of Engineering	BCOM
	Jasper	Newton	Whirlpool Corporation	College of Engineering	TAC
	Jasper	Newton	Springboard Engineering	College of Engineering	TAC
	Jasper	Newton	JEDCO	College of Engineering	BCOM
	Jasper	Newton	City of Newton	College of Engineering	BCOM
	Jasper	Newton	Maytag	College of Engineering	PWD
	Jasper	Newton	Federal Home Loan Bank Des Moines	College of Engineering	PWD
		INEWION			BAC
	Jasper		25 entrepreneurs	Extension CED	
	Jasper		Silos & Smokestacks National Heritage Area	Extension CED	OCOM
Jasper County	34				3
	Jefferson	Fairfield	Joel Health Industries Inc	OIPTT	BAC
	Jefferson	Fairfield	Freedom 360	OIPTT	BAC
	Jefferson	Fairfield	City Council	CRP	TCOM
	Jefferson	Packwood	CAI Students	Crop Advisor Institute	PWD
				Brenton Ctr for Ag	
	Jefferson	Libertyville	Distance Education Students = 1	Instruction	PWD
				Brenton Ctr for Ag	
	Jefferson	Lockridge	Distance Education Students = 1	Instruction	PWD
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	Jefferson	Fairfield	Distance Education Students = 3	Instruction	PWD
	Jefferson	Packwood	Packwood Locker	Meat Science Extension	PWD
				Brenton Ctr for Ag	
	Jefferson	Fairfield	PSEOA Distance Education Students = 5	Instruction	PWD
-	-			Agricultural Education and	
	Jefferson	Pekin	Pekin Community School	Studies	FAC
	Jefferson	Fairfield	4-H Youth	Extension CED	OCOM
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	Jefferson	Batavia	City of Batavia	Jefferson County Extension	ОСОМ
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	Jefferson	Packwood	City of Packwood	Jefferson County Extension	OCOM
	Jefferson	Fairfield	City of Fairfield	Jefferson County Extension	OCOM
	Jefferson	Fairfield	Jefferson County Trails Council	Jefferson County Extension	OCOM
			NI	ISU Extension	TAC
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	Jefferson Jefferson	Fairfield Fairfield	Harper Brush Works	ISUE-CIRAS	TAC
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Jefferson County	Jefferson Jefferson Jefferson Jefferson Jefferson	Fairfield Fairfield Fairfield Fairfield	Harper Brush Works Harper Brush Works French-Reneker Associates, Inc. Iowa DOT Jefferson County tourism	ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech CTRE/CP Tech Extension CED	TAC BAC PWD PWD FAC
Jefferson County	Jefferson Jefferson Jefferson Jefferson Jefferson Jefferson 22 Johnson	Fairfield Fairfield Fairfield Fairfield Coralville	Harper Brush Works Harper Brush Works French-Reneker Associates, Inc. Iowa DOT Jefferson County tourism Integrated DNA Technologies, Inc.	ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech CTRE/CP Tech Extension CED	TAC BAC PWD PWD FAC 2 BAC
Jefferson County	Jefferson Jefferson Jefferson Jefferson Jefferson Jefferson  Z2 Johnson Johnson	Fairfield Fairfield Fairfield Fairfield Coralville Iowa City	Harper Brush Works Harper Brush Works French-Reneker Associates, Inc. Iowa DOT Jefferson County tourism Integrated DNA Technologies, Inc. University of Iowa SBDC	ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech CTRE/CP Tech Extension CED  OIPTT OIPTT	TAC BAC PWD PWD FAC BAC BCOM
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	Johnson Johnson	Iowa City Coralville Iowa City Iowa City Iowa City Iowa City Iowa City Iowa City Iowa City Shueyville Iowa City	The University of Iowa, IC Iowa Children's Museum, CV Arts a Ia Carte, IC Chamber Singers of Iowa City, IC Regina Education Center, IC Mediation Services of Eastern Iowa, IC Wesley Foundation, IC Shueyville United Methodist Church, Shueyville Mayor's Youth Empowerment Program, IC Iowa Workforce Development, IC Friends of the Animal Center Foundation, IC CROP Inc., IC Emma Goldman Clinic, IC Neighborhood Centers, IC Art of Living Foundation, IC Rape Victim Advocacy Program, IC	Johnson County Extension Johnson County Extension Johnson County Extension Johnson County Extension Johnson County Extension Johnson County Extension Johnson County Extension Johnson County Extension Johnson County Extension Johnson County Extension Johnson County Extension Johnson County Extension Johnson County Extension Johnson County Extension Johnson County Extension Johnson County Extension Johnson County Extension Johnson County Extension Johnson County Extension Johnson County Extension	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
	Johnson Johnson	Iowa City Coralville Iowa City	The University of Iowa, IC Iowa Children's Museum, CV Arts a la Carte, IC Chamber Singers of Iowa City, IC Regina Education Center, IC Mediation Services of Eastern Iowa, IC Wesley Foundation, IC Shueyville United Methodist Church, Shueyville Mayor's Youth Empowerment Program, IC Iowa Workforce Development, IC Friends of the Animal Center Foundation, IC CROP Inc., IC Emma Goldman Clinic, IC Neighborhood Centers, IC Art of Living Foundation, IC Rape Victim Advocacy Program, IC Terry, Lockridge and Dunn, IC	Johnson County Extension Johnson County Extension	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
	Johnson Johnson	Iowa City Coralville Iowa City	The University of Iowa, IC Iowa Children's Museum, CV Arts a la Carte, IC Chamber Singers of Iowa City, IC Regina Education Center, IC Mediation Services of Eastern Iowa, IC Wesley Foundation, IC Shueyville United Methodist Church, Shueyville Mayor's Youth Empowerment Program, IC Iowa Workforce Development, IC Friends of the Animal Center Foundation, IC CROP Inc., IC Emma Goldman Clinic, IC Neighborhood Centers, IC Art of Living Foundation, IC Rape Victim Advocacy Program, IC Terry, Lockridge and Dunn, IC Johnson County VNA, IC	Johnson County Extension Johnson County Extension	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
	Johnson Johnson	Iowa City Coralville Iowa City	The University of Iowa, IC Iowa Children's Museum, CV Arts a la Carte, IC Chamber Singers of Iowa City, IC Regina Education Center, IC Mediation Services of Eastern Iowa, IC Wesley Foundation, IC Shueyville United Methodist Church, Shueyville Mayor's Youth Empowerment Program, IC Iowa Workforce Development, IC Friends of the Animal Center Foundation, IC CROP Inc., IC Emma Goldman Clinic, IC Neighborhood Centers, IC Art of Living Foundation, IC Rape Victim Advocacy Program, IC Terry, Lockridge and Dunn, IC Johnson County VNA, IC Community Theatre, IC	Johnson County Extension Johnson County Extension	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
	Johnson Johnson	Iowa City Coralville Iowa City	The University of Iowa, IC Iowa Children's Museum, CV Arts a Ia Carte, IC Chamber Singers of Iowa City, IC Regina Education Center, IC Mediation Services of Eastern Iowa, IC Wesley Foundation, IC Shueyville United Methodist Church, Shueyville Mayor's Youth Empowerment Program, IC Iowa Workforce Development, IC Friends of the Animal Center Foundation, IC CROP Inc., IC Emma Goldman Clinic, IC Neighborhood Centers, IC Art of Living Foundation, IC Rape Victim Advocacy Program, IC Terry, Lockridge and Dunn, IC Johnson County VNA, IC Community Theatre, IC Iowa For Health Care, IC	Johnson County Extension Johnson County Extension	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
	Johnson Johnson	Iowa City Coralville Iowa City	The University of Iowa, IC Iowa Children's Museum, CV Arts a la Carte, IC Chamber Singers of Iowa City, IC Regina Education Center, IC Mediation Services of Eastern Iowa, IC Wesley Foundation, IC Shueyville United Methodist Church, Shueyville Mayor's Youth Empowerment Program, IC Iowa Workforce Development, IC Friends of the Animal Center Foundation, IC CROP Inc., IC Emma Goldman Clinic, IC Neighborhood Centers, IC Art of Living Foundation, IC Terry, Lockridge and Dunn, IC Johnson County VNA, IC Community Theatre, IC Iowa For Health Care, IC Dance Ambassadors, CV	Johnson County Extension Johnson County Extension	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
	Johnson Johnson	Iowa City Coralville Iowa City	The University of Iowa, IC Iowa Children's Museum, CV Arts a Ia Carte, IC Chamber Singers of Iowa City, IC Regina Education Center, IC Mediation Services of Eastern Iowa, IC Wesley Foundation, IC Shueyville United Methodist Church, Shueyville Mayor's Youth Empowerment Program, IC Iowa Workforce Development, IC Friends of the Animal Center Foundation, IC CROP Inc., IC Emma Goldman Clinic, IC Neighborhood Centers, IC Art of Living Foundation, IC Rape Victim Advocacy Program, IC Terry, Lockridge and Dunn, IC Johnson County VNA, IC Community Theatre, IC Iowa For Health Care, IC	Johnson County Extension Johnson County Extension	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
	Johnson Johnson	Iowa City Coralville Iowa City	The University of Iowa, IC Iowa Children's Museum, CV Arts a la Carte, IC Chamber Singers of Iowa City, IC Regina Education Center, IC Mediation Services of Eastern Iowa, IC Wesley Foundation, IC Shueyville United Methodist Church, Shueyville Mayor's Youth Empowerment Program, IC Iowa Workforce Development, IC Friends of the Animal Center Foundation, IC CROP Inc., IC Emma Goldman Clinic, IC Neighborhood Centers, IC Art of Living Foundation, IC Terry, Lockridge and Dunn, IC Johnson County VNA, IC Community Theatre, IC Iowa For Health Care, IC Dance Ambassadors, CV	Johnson County Extension Johnson County Extension	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
	Johnson Johnson	Iowa City Coralville Iowa City	The University of Iowa, IC Iowa Children's Museum, CV Arts a la Carte, IC Chamber Singers of Iowa City, IC Regina Education Center, IC Mediation Services of Eastern Iowa, IC Wesley Foundation, IC Shueyville United Methodist Church, Shueyville Mayor's Youth Empowerment Program, IC Iowa Workforce Development, IC Friends of the Animal Center Foundation, IC CROP Inc., IC Emma Goldman Clinic, IC Neighborhood Centers, IC Art of Living Foundation, IC Rape Victim Advocacy Program, IC Terry, Lockridge and Dunn, IC Johnson County VNA, IC Community Theatre, IC Iowa For Health Care, IC Dance Ambassadors, CV Iowa City Police Department, IC University of Iowa Alumni Assocation, IC	Johnson County Extension Johnson County Extension	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
	Johnson Johnson	Iowa City Coralville Iowa City Iowa City Iowa City Iowa City Iowa City Iowa City Iowa City Shueyville Iowa City	The University of Iowa, IC Iowa Children's Museum, CV Arts a la Carte, IC Chamber Singers of Iowa City, IC Regina Education Center, IC Mediation Services of Eastern Iowa, IC Wesley Foundation, IC Shueyville United Methodist Church, Shueyville Mayor's Youth Empowerment Program, IC Iowa Workforce Development, IC Friends of the Animal Center Foundation, IC CROP Inc., IC Emma Goldman Clinic, IC Neighborhood Centers, IC Art of Living Foundation, IC Rape Victim Advocacy Program, IC Terry, Lockridge and Dunn, IC Johnson County VNA, IC Community Theatre, IC Iowa For Health Care, IC Dance Ambassadors, CV Iowa City Police Department, IC University of Iowa Alumni Assocation, IC Johnson County Sheep & Wool Grower's, Solon	Johnson County Extension Johnson County Extension	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
	Johnson Johnson	Iowa City Coralville Iowa City	The University of Iowa, IC Iowa Children's Museum, CV Arts a la Carte, IC Chamber Singers of Iowa City, IC Regina Education Center, IC Mediation Services of Eastern Iowa, IC Wesley Foundation, IC Shueyville United Methodist Church, Shueyville Mayor's Youth Empowerment Program, IC Iowa Workforce Development, IC Friends of the Animal Center Foundation, IC CROP Inc., IC Emma Goldman Clinic, IC Neighborhood Centers, IC Art of Living Foundation, IC Rape Victim Advocacy Program, IC Terry, Lockridge and Dunn, IC Johnson County VNA, IC Community Theatre, IC Iowa For Health Care, IC Dance Ambassadors, CV Iowa City Police Department, IC University of Iowa Alumni Assocation, IC	Johnson County Extension Johnson County Extension	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
	Johnson Johnson	Iowa City Coralville Iowa City	The University of Iowa, IC Iowa Children's Museum, CV Arts a la Carte, IC Chamber Singers of Iowa City, IC Regina Education Center, IC Mediation Services of Eastern Iowa, IC Wesley Foundation, IC Shueyville United Methodist Church, Shueyville Mayor's Youth Empowerment Program, IC Iowa Workforce Development, IC Friends of the Animal Center Foundation, IC CROP Inc., IC Emma Goldman Clinic, IC Neighborhood Centers, IC Art of Living Foundation, IC Rape Victim Advocacy Program, IC Terry, Lockridge and Dunn, IC Johnson County VNA, IC Community Theatre, IC Iowa For Health Care, IC Dance Ambassadors, CV Iowa City Police Department, IC University of Iowa Alumni Assocation, IC Johnson County Sheep & Wool Grower's, Solon National Alliance for the Mentally III, IC	Johnson County Extension Johnson County Extension	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
	Johnson Johnson	Iowa City Coralville Iowa City Iowa	The University of Iowa, IC Iowa Children's Museum, CV Arts a la Carte, IC Chamber Singers of Iowa City, IC Regina Education Center, IC Mediation Services of Eastern Iowa, IC Wesley Foundation, IC Shueyville United Methodist Church, Shueyville Mayor's Youth Empowerment Program, IC Iowa Workforce Development, IC Friends of the Animal Center Foundation, IC CROP Inc., IC Emma Goldman Clinic, IC Neighborhood Centers, IC Art of Living Foundation, IC Rape Victim Advocacy Program, IC Terry, Lockridge and Dunn, IC Johnson County VNA, IC Community Theatre, IC Iowa For Health Care, IC Dance Ambassadors, CV Iowa City Police Department, IC University of Iowa Alumni Assocation, IC Johnson County Sheep & Wool Grower's, Solon National Alliance for the Mentally III, IC	Johnson County Extension Johnson County Extension	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
	Johnson Johnson	Iowa City Coralville Iowa City	The University of Iowa, IC Iowa Children's Museum, CV Arts a la Carte, IC Chamber Singers of Iowa City, IC Regina Education Center, IC Mediation Services of Eastern Iowa, IC Wesley Foundation, IC Shueyville United Methodist Church, Shueyville Mayor's Youth Empowerment Program, IC Iowa Workforce Development, IC Friends of the Animal Center Foundation, IC CROP Inc., IC Emma Goldman Clinic, IC Neighborhood Centers, IC Art of Living Foundation, IC Rape Victim Advocacy Program, IC Terry, Lockridge and Dunn, IC Johnson County VNA, IC Community Theatre, IC Iowa For Health Care, IC Dance Ambassadors, CV Iowa City Police Department, IC University of Iowa Alumni Assocation, IC Johnson County Sheep & Wool Grower's, Solon National Alliance for the Mentally III, IC Johnson County Soil & Water Conservation, Swisher Iowa City Public Library, IC	Johnson County Extension Johnson County Extension	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
	Johnson Johnson	Iowa City Coralville Iowa City Iowa	The University of Iowa, IC Iowa Children's Museum, CV Arts a la Carte, IC Chamber Singers of Iowa City, IC Regina Education Center, IC Mediation Services of Eastern Iowa, IC Wesley Foundation, IC Shueyville United Methodist Church, Shueyville Mayor's Youth Empowerment Program, IC Iowa Workforce Development, IC Friends of the Animal Center Foundation, IC CROP Inc., IC Emma Goldman Clinic, IC Neighborhood Centers, IC Art of Living Foundation, IC Rape Victim Advocacy Program, IC Terry, Lockridge and Dunn, IC Johnson County VNA, IC Community Theatre, IC Iowa For Health Care, IC Dance Ambassadors, CV Iowa City Police Department, IC University of Iowa Alumni Assocation, IC Johnson County Sheep & Wool Grower's, Solon National Alliance for the Mentally III, IC	Johnson County Extension Johnson County Extension	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
	Johnson Johnson	Iowa City Coralville Iowa City	The University of Iowa, IC Iowa Children's Museum, CV Arts a la Carte, IC Chamber Singers of Iowa City, IC Regina Education Center, IC Mediation Services of Eastern Iowa, IC Wesley Foundation, IC Shueyville United Methodist Church, Shueyville Mayor's Youth Empowerment Program, IC Iowa Workforce Development, IC Friends of the Animal Center Foundation, IC CROP Inc., IC Emma Goldman Clinic, IC Neighborhood Centers, IC Art of Living Foundation, IC Rape Victim Advocacy Program, IC Terry, Lockridge and Dunn, IC Johnson County VNA, IC Community Theatre, IC Iowa For Health Care, IC Dance Ambassadors, CV Iowa City Police Department, IC University of Iowa Alumni Assocation, IC Johnson County Sheep & Wool Grower's, Solon National Alliance for the Mentally III, IC Johnson County Soil & Water Conservation, Swisher Iowa City Public Library, IC Women's Resource and Action Center, IC	Johnson County Extension Johnson County Extension	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
	Johnson Johnson	Iowa City Coralville Iowa City	The University of Iowa, IC Iowa Children's Museum, CV Arts a la Carte, IC Chamber Singers of Iowa City, IC Regina Education Center, IC Mediation Services of Eastern Iowa, IC Wesley Foundation, IC Shueyville United Methodist Church, Shueyville Mayor's Youth Empowerment Program, IC Iowa Workforce Development, IC Friends of the Animal Center Foundation, IC CROP Inc., IC Emma Goldman Clinic, IC Neighborhood Centers, IC Art of Living Foundation, IC Rape Victim Advocacy Program, IC Johnson County VNA, IC Community Theatre, IC Iowa For Health Care, IC Dance Ambassadors, CV Iowa City Police Department, IC University of Iowa Alumni Assocation, IC Johnson County Sheep & Wool Grower's, Solon National Alliance for the Mentally III, IC Johnson County Soil & Water Conservation, Swisher Iowa City Public Library, IC Women's Resource and Action Center, IC The Jane's Gang, IC	Johnson County Extension Johnson County Extension	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
	Johnson Johnson	Iowa City Coralville Iowa City	The University of Iowa, IC Iowa Children's Museum, CV Arts a la Carte, IC Chamber Singers of Iowa City, IC Regina Education Center, IC Mediation Services of Eastern Iowa, IC Wesley Foundation, IC Shueyville United Methodist Church, Shueyville Mayor's Youth Empowerment Program, IC Iowa Workforce Development, IC Friends of the Animal Center Foundation, IC CROP Inc., IC Emma Goldman Clinic, IC Neighborhood Centers, IC Art of Living Foundation, IC Rape Victim Advocacy Program, IC Terry, Lockridge and Dunn, IC Johnson County VNA, IC Community Theatre, IC Iowa For Health Care, IC Dance Ambassadors, CV Iowa City Police Department, IC University of Iowa Alumni Assocation, IC Johnson County Sheep & Wool Grower's, Solon National Alliance for the Mentally III, IC Johnson County Soil & Water Conservation, Swisher Iowa City Public Library, IC Women's Resource and Action Center, IC	Johnson County Extension Johnson County Extension	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD

İ			Shelter House Community Shelter and Transition		
	Johnson	Iowa City	Services, IC	Johnson County Extension	PWD
	Johnson	Iowa City	University of Iowa Foundation, IC	Johnson County Extension	PWD
	Johnson	Iowa City	ACT	Johnson County Extension	PWD
	Johnson	Coralville	Barnes and Noble Cafe Manager	ISU Extension	PWD
	Johnson	Tiffin	Flying F Biofuels	ISUE-CIRAS ISUE-CIRAS	FAC
	Johnson	Iowa City	Keil's Maintenance, Inc.		BAC
	Johnson	Iowa City	Moore Wallace Inc - Iowa City	ISUE-CIRAS	TAC
	Johnson	Iowa City	Moore Wallace Inc - Iowa City	ISUE-CIRAS	
	Johnson	North Liberty	Centro Inc	ISUE-CIRAS	TAC
	Johnson	Coralville Coralville	City of Coralville	CTRE/CP Tech	PWD PWD
	Johnson	Coralville	Hawkeye Ready Mix, Inc. Shoemaker & Haaland	CTRE/CP Tech CTRE/CP Tech	PWD
	Johnson		City of Iowa City	CTRE/CP Tech	PWD
	Johnson	Iowa City	- , ,		PWD
	Johnson	Iowa City	City of Marion	CTRE/CP Tech	PWD
	Johnson	Iowa City	Continental Cement Harris Company	CTRE/CP Tech	PWD
	Johnson	Iowa City Iowa City	lowa Concrete Paving	CTRE/CP Tech CTRE/CP Tech	PWD
	Johnson Johnson	Iowa City	lowa DOT	CTRE/CP Tech	PWD
		Iowa City	Johnson Co.	CTRE/CP Tech	PWD
	Johnson	Iowa City	Johnson Co. Secodary Roads	CTRE/CP Tech	PWD
	Johnson	,	MMS Consultants	CTRE/CP Tech	PWD
	Johnson	Iowa City			PWD
	Johnson	Iowa City	Shive-Hattery	CTRE/CP Tech	PWD
	Johnson Johnson	Iowa City	Streb Construction Co., Inc. University of Iowa	CTRE/CP Tech CTRE/CP Tech	PWD
		Iowa City	City of North Liberty	CTRE/CP Tech	PWD
	Johnson Johnson	North Liberty Iowa City	University of Iowa	Industry Relations	BCOM
	Johnson	Iowa City	Cellular Engineering Technologies	Industry Relations	TAC
	Johnson	Iowa City	Asoyia	CCUR	FAC
	Johnson	IOWA OILY	nooyia	Linn and Johnson Co.	1 /10
	3011115011		Cedar Rapids/Iowa City Corridor - STEM program	Extension	ОСОМ
-	lohncon	Journ City	University of Iowa, various faculty	OIPTT	BAC
	Johnson Johnson	Iowa City	Kent Park Masterplan	Landscape Architecture	BCOM
	Johnson		Johnson County Conservation Board	Landscape Architecture	TCOM
	301113011		Johnson County Conservation Board	IDRO	TCOW
	Johnson		County Local Housing Trust Fund	Extension CED	тсом
	Johnson		Johnson County	Extension CED	TCOM
	Johnson		Johnson County Conservation Board	Landscape Architecture	TCOM
	301113011		Johnson County Conservation Board	Extension, IDRO	TCOW
	Johnson		Kent Park Masterplan	Extension CED, Landscape	ВСОМ
	Johnson		Nonc Fark Wasterplan	Architecture Extension	BOOM
	Johnson		Silos & Smokestacks National Heritage Area	Extension CED	OCOM
	Johnson	Iowa City	New Pioneer	ISU Extension	PWD
		Iowa City Iowa City			
	Johnson		New Pioneer	ISU Extension	PWD PWD PWD
	Johnson Johnson	Iowa City	New Pioneer Mercy Hospital	ISU Extension ISU Extension	PWD PWD PWD PWD
	Johnson Johnson	Iowa City Coralville	New Pioneer Mercy Hospital Hardee's	ISU Extension ISU Extension ISU Extension	PWD PWD PWD PWD PWD
	Johnson Johnson Johnson	lowa City Coralville lowa City Coralville Coralville	New Pioneer Mercy Hospital Hardee's Sancturary	ISU Extension ISU Extension ISU Extension ISU Extension	PWD PWD PWD PWD PWD PWD PWD
	Johnson Johnson Johnson Johnson Johnson	Iowa City Coralville Iowa City Coralville	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill	ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension	PWD PWD PWD PWD PWD
Johnson County	Johnson Johnson Johnson Johnson Johnson Johnson	lowa City Coralville lowa City Coralville Coralville	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant	ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension	PWD PWD PWD PWD PWD PWD PWD PWD
Johnson County	Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson	lowa City Coralville lowa City Coralville Coralville	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant	ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension	PWD PWD PWD PWD PWD PWD PWD PWD TCOM
Johnson County	Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson	lowa City Coralville lowa City Coralville Coralville Coralville	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's	ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension	PWD PWD PWD PWD PWD PWD PWD PWD
Johnson County	Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson	lowa City Coralville Iowa City Coralville Coralville Coralville Coralville Anamosa	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's Planning & Zoning Commission	ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension	PWD PWD PWD PWD PWD PWD PWD PWD TCOM
Johnson County	Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson	Iowa City Coralville Iowa City Coralville Coralville Coralville Coralville Anamosa Anamosa Cascade	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's  Planning & Zoning Commission Planning & Zoning Commission Cascade	ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension Extension CRP Extension CED, CRP Extension Landscape Architecture, IDRO	PWD PWD PWD PWD PWD PWD PWD TCOM PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Johnson County	Johnson Johnson	Iowa City Coralville Iowa City Coralville Coralville Coralville Anamosa Anamosa Cascade Anamosa	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's  Planning & Zoning Commission Planning & Zoning Commission Cascade Anamosa	ISU Extension IS	PWD PWD PWD PWD PWD PWD PWD TCOM PWD BCOM
Johnson County	Johnson Johnso	Iowa City Coralville Iowa City Coralville Coralville Coralville Coralville Anamosa Anamosa Cascade Anamosa Monticello	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's  Planning & Zoning Commission Planning & Zoning Commission Cascade Anamosa Monticello	ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension Lendscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO	PWD PWD PWD PWD PWD PWD PWD TCOM TCOM BCOM BCOM
Johnson County	Johnson Johnson	Iowa City Coralville Iowa City Coralville Coralville Coralville Anamosa Anamosa Cascade Anamosa	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's  Planning & Zoning Commission Planning & Zoning Commission Cascade Anamosa	ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO	PWD PWD PWD PWD PWD PWD PWD TCOM PWD BCOM
Johnson County	Johnson Johnso	Iowa City Coralville Iowa City Coralville Coralville Coralville Coralville Anamosa Anamosa Cascade Anamosa Monticello	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's  Planning & Zoning Commission Planning & Zoning Commission Cascade Anamosa Monticello	ISU Extension ICRP ICRP ICRO ICRO ICRO ICRO ICRO ICRO ICRO ICRO	PWD PWD PWD PWD PWD PWD PWD TCOM TCOM BCOM BCOM
Johnson County	Johnson Johnso	Iowa City Coralville Iowa City Coralville Coralville Coralville Anamosa Anamosa Cascade Anamosa Monticello Olin	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's Planning & Zoning Commission Planning & Zoning Commission Cascade Anamosa Monticello Olin	ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO	PWD PWD PWD PWD PWD PWD PWD PWD TCOM TCOM BCOM BCOM BCOM
Johnson County	Johnson Johnso	Iowa City Coralville Iowa City Coralville Coralville Coralville Coralville Anamosa Anamosa Cascade Anamosa Monticello Olin Scotch Grove	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's Planning & Zoning Commission Planning & Zoning Commission Cascade Anamosa Monticello Olin CAI Students	ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Crop Advisor Institute Meat Science Extension Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture,	PWD PWD PWD PWD PWD PWD PWD PWD PWD BCOM BCOM BCOM PWD
Johnson County	Johnson Johnso	Iowa City Coralville Iowa City Coralville Coralville Coralville Anamosa Anamosa Anamosa Monticello Olin Scotch Grove Center Junction Anamosa	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's Planning & Zoning Commission Planning & Zoning Commission Cascade Anamosa Monticello Olin CAI Students Lindley Locker Anamosa	ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Crop Advisor Institute Meat Science Extension Landscape Architecture, IDRO Crop Advisor Institute Meat Science Extension Landscape Architecture, IDRO	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Johnson County	Johnson Johnso	Iowa City Coralville Iowa City Coralville Coralville Coralville Coralville Anamosa Anamosa Anamosa Monticello Olin Scotch Grove Center Junction Anamosa Anamosa	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's Planning & Zoning Commission Planning & Zoning Commission Cascade Anamosa Monticello Olin CAI Students Lindley Locker Anamosa NE lowa Community Development Conference	ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension  CRP Extension CED, CRP Extension Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Crop Advisor Institute Meat Science Extension Landscape Architecture, IDRO Crop Advisor Institute Meat Science Extension Landscape Architecture, IDRO Extension CED	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Johnson County	Johnson Johnso	Iowa City Coralville Iowa City Coralville Coralville Coralville Anamosa Anamosa Anamosa Monticello Olin Scotch Grove Center Junction Anamosa	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's Planning & Zoning Commission Planning & Zoning Commission Cascade Anamosa Monticello Olin CAI Students Lindley Locker Anamosa	ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Crop Advisor Institute Meat Science Extension Landscape Architecture, IDRO Crop Advisor Institute Meat Science Extension Landscape Architecture, IDRO	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Johnson County	Johnson Johnso	Iowa City Coralville Iowa City Coralville Coralville Coralville Coralville Anamosa Anamosa Anamosa Monticello Olin Scotch Grove Center Junction Anamosa Anamosa	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's Planning & Zoning Commission Planning & Zoning Commission Cascade Anamosa Monticello Olin CAI Students Lindley Locker Anamosa NE lowa Community Development Conference	ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Crop Advisor Institute Meat Science Extension Landscape Architecture, IDRO Extension CED Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Johnson County	Johnson Johnso	Iowa City Coralville Iowa City Coralville Coralville Coralville Coralville Anamosa Anamosa Cascade Anamosa Monticello Olin Scotch Grove Center Junction Anamosa Anamosa Anamosa Olin Control Grove Center Junction Anamosa Anamosa Monticello Olin	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's Planning & Zoning Commission Planning & Zoning Commission Cascade Anamosa Monticello Olin CAI Students Lindley Locker Anamosa  NE Iowa Community Development Conference Monticello	ISU Extension Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Lord Advisor Institute Meat Science Extension Landscape Architecture, IDRO Extension CED Landscape Architecture, IDRO Extension CED Landscape Architecture, IDRO	PWD PWD PWD PWD PWD PWD PWD PWD TCOM TCOM BCOM BCOM BCOM BCOM FAC BCOM
Johnson County	Johnson Johnso	Iowa City Coralville Iowa City Coralville Iowa City Coralville Coralville Coralville Anamosa Anamosa Anamosa Monticello Olin Scotch Grove Center Junction Anamosa Monticello Olin Solin Monticello Olin	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's  Planning & Zoning Commission Planning & Zoning Commission Cascade Anamosa Monticello Olin CAI Students Lindley Locker Anamosa NE Iowa Community Development Conference Monticello Olin Great Jones County Fair	ISU Extension Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO CEED, OA, CYC, FS	PWD PWD PWD PWD PWD PWD PWD PWD PWD TCOM TCOM BCOM BCOM BCOM BCOM BCOM BCOM BCOM B
Johnson County	Johnson Johns Jo	Iowa City Coralville Iowa City Coralville Coralville Coralville Coralville Anamosa Anamosa Anamosa Monticello Olin Scotch Grove Center Junction Anamosa Monticello Olin Monticello Olin Monticello Anamosa	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's  Planning & Zoning Commission Planning & Zoning Commission  Cascade Anamosa  Monticello  Olin  CAI Students Lindley Locker Anamosa  NE Iowa Community Development Conference Monticello  Olin  Great Jones County Fair Jones County Farm Bureau	ISU Extension Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Extension CED Landscape Architecture, IDRO Extension CED Landscape Architecture, IDRO Landscape Architecture, IDRO CEED, OA, CYC, FS CEED, OA, CYC, FS	PWD PWD PWD PWD PWD PWD PWD PWD TCOM TCOM BCOM BCOM BCOM BCOM BCOM BCOM BCOM B
Johnson County	Johnson Johns Jo	Iowa City Coralville Iowa City Coralville Coralville Coralville Coralville Anamosa Anamosa Anamosa Monticello Olin Scotch Grove Center Junction Anamosa Monticello Olin Monticello Olin Monticello Anamosa Monticello Anamosa	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's  Planning & Zoning Commission Planning & Zoning Commission Cascade Anamosa Monticello Olin CAI Students Lindley Locker Anamosa NE Iowa Community Development Conference Monticello Olin Great Jones County Fair Jones County Farm Bureau Tri County Bank & Trust	ISU Extension ISU ISU ISU ISU ISU ISU ISU ISU ISU ISU	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Johnson County	Johnson Johns Jo	Iowa City Coralville Iowa City Coralville Iowa City Coralville Coralville Coralville Anamosa Anamosa Cascade Anamosa Monticello Olin Scotch Grove Center Junction Anamosa Monticello Olin Monticello Anamosa Monticello Monticello Monticello Monticello	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's Planning & Zoning Commission Planning & Zoning Commission Cascade Anamosa Monticello Olin CAI Students Lindley Locker Anamosa NE Iowa Community Development Conference Monticello Olin Great Jones County Fair Jones County Farm Bureau Tri County Bank & Trust Monticello Express	ISU Extension CED, CRP Extension CED, CRP Extension CED Landscape Architecture, IDRO ISU Extension Institute ISU Extension CED ISU Extension CED ISU ISU Extension CED ISU ISU ISU ISU ISU ISU ISU ISU ISU ISU	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Johnson County	Johnson Johns Johns	Iowa City Coralville Iowa City Coralville Iowa City Coralville Coralville Coralville Anamosa Anamosa Anamosa Monticello Olin Scotch Grove Center Junction Anamosa Monticello Olin Monticello Anamosa Monticello Anamosa Monticello Anamosa Monticello Anamosa	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's  Planning & Zoning Commission Planning & Zoning Commission Cascade Anamosa Monticello Olin CAI Students Lindley Locker Anamosa NE Iowa Community Development Conference Monticello Olin Great Jones County Fair Jones County Farm Bureau Tri County Bank & Trust	ISU Extension Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO CEED, OA, CYC, FS CEED, OA, CYC, FS CEED, OA, CYC, FS CEED, OA, CYC, FS CEED, OA, CYC, FS	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Johnson County	Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson Jones	Iowa City Coralville Iowa City Coralville Coralville Coralville Anamosa Anamosa Anamosa Monticello Olin Scotch Grove Center Junction Anamosa Monticello Olin Monticello Anamosa Monticello Olin Monticello Anamosa Monticello Anamosa Monticello Anamosa Monticello Anamosa Monticello Monticello Anamosa Monticello Monticello Anamosa Wyoming	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's Planning & Zoning Commission Planning & Zoning Commission Cascade Anamosa Monticello Olin CAI Students Lindley Locker Anamosa NE Iowa Community Development Conference Monticello Olin Great Jones County Fair Jones County Farm Bureau Tri County Bank & Trust Monticello Express Anamosa Eureka Journal Midland Times	ISU Extension Landscape Architecture, IDRO ISU Extension IDRO ISU Extension Institute IDRO ISU Extension CED ISU Extension CED ISU Extension CED ISU ISU Extension ISU Extension CED ISU ISU Extension CED ISU ISU Extension CED ISU ISU Extension CED ISU ISU Extension CED ISU ISU Extension CED ISU Extension CED ISU ISU Extension CED ISU Extension CED ISU Extension CED ISU Extension CED ISU Extension CED ISU Extension CED ISU Extension CED ISU Extension CED ISU ISU ISU ISU ISU ISU ISU ISU ISU ISU	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Johnson County	Johnson Johns Jo	Iowa City Coralville Iowa City Coralville Coralville Coralville Coralville Anamosa Anamosa Anamosa Monticello Olin Scotch Grove Center Junction Anamosa Monticello Olin Monticello Olin Monticello Anamosa Monticello Anamosa Monticello Anamosa Monticello Anamosa Monticello Anamosa Monticello Anamosa Monticello Anamosa Monticello Anamosa Monticello Anamosa Monticello Anamosa Monticello Anamosa Monticello Anamosa	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's Planning & Zoning Commission Planning & Zoning Commission Cascade Anamosa Monticello Olin CAI Students Lindley Locker Anamosa NE Iowa Community Development Conference Monticello Olin Great Jones County Fair Jones County Farm Bureau Tri County Bank & Trust Monticello Express Anamosa Eureka Journal Midland Times River Valley Cooperative	ISU Extension Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO ISU Extension Institute ISU ISU ISU ISU ISU ISU ISU ISU ISU ISU	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Johnson County	Johnson Johns Jo	Iowa City Coralville Iowa City Coralville Iowa City Coralville Coralville Coralville Anamosa Anamosa Anamosa Monticello Olin Scotch Grove Center Junction Anamosa Monticello Olin Monticello Anamosa Monticello Anamosa Wyoming Olin Monticello	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's Planning & Zoning Commission Planning & Zoning Commission Cascade Anamosa Monticello Olin CAI Students Lindley Locker Anamosa NE Iowa Community Development Conference Monticello Olin Great Jones County Fair Jones County Farm Bureau Tri County Bank & Trust Monticello Express Anamosa Eureka Journal Midland Times	ISU Extension Landscape Architecture, IDRO ISU Extension IDRO ISU Extension Institute IDRO ISU Extension CED ISU Extension CED ISU Extension CED ISU ISU Extension ISU ISU ISU ISU ISU ISU ISU ISU ISU ISU	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Johnson County	Johnson Johnso	Iowa City Coralville Iowa City Coralville Iowa City Coralville Coralville Coralville Anamosa Anamosa Anamosa Monticello Olin Scotch Grove Center Junction Anamosa Monticello Olin Monticello Anamosa Monticello Anamosa Monticello Anamosa Monticello Anamosa Monticello Anamosa Monticello Anamosa Monticello Anamosa Monticello Anamosa Wyoming Olin Monticello Anamosa	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's  Planning & Zoning Commission Planning & Zoning Commission Cascade Anamosa  Monticello Olin  CAI Students Lindley Locker Anamosa  NE Iowa Community Development Conference Monticello Olin  Great Jones County Fair Jones County Farm Bureau Tri County Bank & Trust Monticello Express Anamosa Eureka Journal Midland Times River Valley Cooperative Jones County Economic Development Jones County Endowment Fund	ISU Extension Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO CEED, OA, CYC, FS CEED, OA, CYC, FS CEED, OA, CYC, FS CEED, OA, CYC, FS CEED, OA, CYC, FS CEED, OA, CYC, FS CEED, OA, CYC, FS CEED, OA, CYC, FS CEED, OA, CYC, FS CEED, CYC CEED CEED	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Johnson County	Johnson Johnso	Iowa City Coralville Iowa City Coralville Iowa City Coralville Coralville Coralville Anamosa Anamosa Anamosa Monticello Olin Scotch Grove Center Junction Anamosa Monticello Olin Monticello Anamosa Monticello Anamosa Wyoming Olin Monticello	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's Planning & Zoning Commission Planning & Zoning Commission Cascade Anamosa Monticello Olin CAI Students Lindley Locker Anamosa NE Iowa Community Development Conference Monticello Olin Great Jones County Fair Jones County Farm Bureau Tri County Bank & Trust Monticello Express Anamosa Eureka Journal Midland Times River Valley Cooperative Jones County Economic Development	ISU Extension CED, CRP Extension CED, CRP Extension Landscape Architecture, IDRO ISU Extension Institute ISU Extension INSU Extension ISU Extension CED ISU Extension CED ISU ISU Extension CED ISU ISU ISU ISU ISU ISU ISU ISU ISU ISU	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Johnson County	Johnson Johnso	Iowa City Coralville Iowa City Coralville Iowa City Coralville Coralville Coralville Anamosa Anamosa Anamosa Monticello Olin Scotch Grove Center Junction Anamosa Monticello Olin Monticello Anamosa Monticello Anamosa Monticello Monticello Anamosa Monticello Monticello Anamosa Monticello Monticello Anamosa Monticello Anamosa Wyoming Olin Monticello Anamosa Monticello Anamosa Monticello Anamosa Monticello Anamosa Monticello Anamosa Monticello Monticello Anamosa Monticello Anamosa Monticello	New Pioneer Mercy Hospital Hardee's Sancturary Panchero's Mexican Grill New Age Restaurant Applebee's Planning & Zoning Commission Planning & Zoning Commission Cascade Anamosa Monticello Olin CAI Students Lindley Locker Anamosa NE Iowa Community Development Conference Monticello Olin Great Jones County Fair Jones County Farm Bureau Tri County Bank & Trust Monticello Express Anamosa Eureka Journal Midland Times River Valley Cooperative Jones County Economic Development Jones County Endowment Fund Jones County Endowment Fund Jones County Endowment Fund Jones County Endowment Fund Jones County Endowment Fund Jones County Endowment Fund Jones County Endowment Fund Jones County Endowment Fund Jones County Cattlemen Board	ISU Extension Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Crop Advisor Institute Meat Science Extension Landscape Architecture, IDRO Extension CED Landscape Architecture, IDRO CEED, OA, CYC, FS CEED, OA, CYC, FS CEED, OA, CYC, FS CEED, OA, CYC, FS CEED, OA, CYC, FS CEED, OA, CYC, FS CEED, OA, CYC, FS CEED, OA, CYC, FS CEED, OA, CYC, FS CEED, OA, CYC, FS CEED, OA, CYC, FS CEED, OA, CYC, FS CEED, OA, CYC, FS CEED, CYC CEED CEED	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD

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	Jones	Anamosa	City of Anamosa	CEED, FS	BCOM
	Jones	Anamosa	Jones County Empowerment Board	CEED, FS	FAC
	Jones	Anamosa	County Child Care Resource Coalition	CEED, FS	FAC
	Jones	Anamosa	Jones County Leadership Program	CEED	FAC
	Jones	Anamosa	Jones County Career Expo	CEED, FS	FAC
	Jones	Anamosa	Jones County Board of Supervisors	CEED, FS	OCOM
	Jones	Anamosa	County Resource Coalition	CEED, FS	OCOM
	Jones	Anamosa	Jones County Emergency Management	CEED, FS	OCOM
	Jones	Monticello	Monticello High School	CEED	OCOM
	Jones	Olin	Olin High School	CEED	OCOM
	Jones	OIIII	Olif Flight School	CEED	OCOIVI
				F	DIAID
	Jones	0"	Miles Loy/ Triangle Agri Service	Extension/Iowa Beef Center	PWD
	Jones	Olin	Olin	ISU Extension	OCOM
	Jones	Oxford Junction	Oxford Junction	ISU Extension	OCOM
	Jones	Wyoming	Wyoming	ISU Extension	OCOM
	Jones	Anamosa	Wapsi Valley Archaeology, Inc.	ISUE-CIRAS	BAC
	Jones	Anamosa	City of Anamosa	CTRE/CP Tech	PWD
	Jones	Anamosa	Jones Co.	CTRE/CP Tech	PWD
	Jones	Anamosa	Jones Co.	CTRE/CP Tech	PWD
	Jones	Anamosa	Jones Co. Engineer	CTRE/CP Tech	PWD
	Jones	Monticello	City of Monticello	CTRE/CP Tech	PWD
	Jones		Planning & Zoning Comm. Chair	CRP	ТСОМ
			NE Iowa Community Development Conference	Extension CED	FAC
	Jones				TCOM
1	Jones		Planning & Zoning Comm. Chair	Extension CED, CRP	I COIVI
	lana.		Oller 9 Orgalization N. C. 111 C.	Extension	00014
	Jones		Silos & Smokestacks National Heritage Area	Extension CED	OCOM
Jones County	49				49
				Brenton Ctr for Ag	
	Keokuk	Delta	Distance Education Students = 2	Instruction	PWD
<u> </u>	Keokuk	Sigourney	Keokuk County Task Force	Extension CED	OCOM
	Keokuk	Sigourney	Sigourney	Extension CED	PWD
	Keokuk	Hedrick	City Hall	Extension Office	BCOM
	Keokuk	Ollie	City Hall	Extension Office	BCOM
	Keokuk	Sigourney	City Hall	Extension Office	BCOM
	Keokuk	Richland	City Hall	Extension Office	BCOM
		Keokuk County	Keokuk County DOT		FAC
	Keokuk			Extension Office	
	Keokuk	Keokuk County	Farm Bureau	Extension Office	FAC
	Keokuk	Keota	Vittetoe Manf	Extension Office	FAC
	Keokuk	Keota	Rayman Manf	Extension Office	FAC
	Keokuk	Keokuk County	Health Dept	Extension Office	OCOM
	Keokuk	Keokuk County	Keokuk County Health Center	Extension Office	OCOM
	Keokuk	Sigourney	Sigourney Schools	Extension Office	OCOM
		,	Tri-State Coalition Against Domestic & Sexual Abuse,		
	Keokuk	Keokuk	Keokuk	Johnson County Extension	PWD
	Keokuk	Keswick	Crop Production Services	Extension Office	PWD
	Keokuk	North English	Crop Production Services	Extension Office	PWD
			New Alliance FS	Extension Office	PWD
	Keokuk	Webster			
	Keokuk	Hedrick	New Alliance FS	Extension Office	PWD
	Keokuk	Keota	Vision Ag	Extension Office	PWD
	Keokuk	Richland	Vision Ag	Extension Office	PWD
	Keokuk	Sigourney	Vision Ag	Extension Office	PWD
	Keokuk	Hedrick	Golden Furrow	Extension Office	PWD
	Keokuk	Harper	Gretters Elevator	Extension Office	PWD
	Keokuk	Signourney	Keokuk County Hwy Dept.	CTRE/CP Tech	PWD
	Keokuk	Sigourney	Keokuk Co.	CTRE/CP Tech	PWD
Keokuk County	26				26
y	Kossuth	Algona	Algona	Landscape Architecture, IDRO	BCOM/ OCOM
	Kossuth	Bancroft	Bancroft	Landscape Architecture, IDRO	BCOM
	Kossuth	Titonka	Titonka	Landscape Architecture, IDRO	ВСОМ
<u> </u>			Kossuth/Palo Alto County Economic Development		
	Kossuth	Algona	Corporation	College of Engineering	всом
	Kossuth	Fenton	Murphy Brown LLC	College of Engineering	PWD
	Kossuth	West Bend	BioMassters Energy, Inc.	IPRT Company Assistance- Materials	TAC
			3,7	IPRT Company Assistance- Technology	-
	Kossuth	West Bend	BioMassters Energy, Inc.	Commercialization	TT
	Kossuth	Algona	CAI Students	Crop Advisor Institute	PWD
	NOSSULII	, uguna	Or il Giddelite	Brenton Ctr for Aq	1 110
	Kossuth	Algona	Distance Education Students = 2	Instruction	PWD
	Koccuth	Rancroft	Woln Hatchon	Animal Science Process	TAC
	Kossuth	Bancroft	Welp Hatchery	Animal Science-Bregendahl	
	Kossuth	Lakota	Shirley Loucks	ISURF	TT
	Kossuth	Lakota	Shirley Loucks	ISURF	TT
	Kossuth	Algona	Algona	Landscape Architecture,	BCOM/ OCOM
	Kossuth	Bancroft	Bancroft	Landscape Architecture,	ВСОМ
	Kossuth	Titonka	Titonka	IDRO Landscape Architecture,	ВСОМ
	Kossuth		Kossuth County Auditors	IDRO Extension CED	ОСОМ

	Magazith.	Algene	Hydrogen Engine Center	ISUE-CIRAS	TAC
	Kossuth	Algona	Aluma Ltd		
	Kossuth	Bancroft		ISUE-CIRAS	TAC PWD
	Kossuth	Algona	Kuehl & Payer Ltd.	CTRE/CP Tech	
	Kossuth	Lakota	Midwest Grain Processors	Industry Relations	TAC
Kaasuth Caumtu	Kossuth 21		Kossuth County Auditors	Extension CED	OCOM 21
Kossuth County		Franklin	Franklin	Landagan Azabitagtura	
	Lee	Franklin	Franklin	Landscape Architecture, IDRO	ВСОМ
	Lee	West Point	West Point	Landscape Architecture, IDRO	всом
	Lee	Montrose	Lee County Economic Development	College of Engineering	BCOM
	Lee	Fort Madison	Pinnacle Foods - Armour	Meat Science Extension	PWD
	Lee	Keokuk	Roquette	CCUR	FAC
	Lee	Keokuk	Roquette	CCUR	FAC
	Lee	West Point	M.S. Technologies, LLC	ISURF	TT
	Lee	Franklin	Franklin	Landscape Architecture, IDRO	всом
	Lee	West Point	West Point	Landscape Architecture, IDRO	ВСОМ
	Lee	Keokuk	Tri-City Energy	Lee County Extension	BAC
	Lee	Keokuk	Keokuk Chamber of Commerce	Lee County Extension	BAC
	Lee	Fort Madison	Fort Madison Chamber of Commerce	Lee County Extension	BAC
	Lee	Keokuk	Keokuk Area Convention and Tourism Bureau	Lee County Extension	BAC
	Lee	Lee County	Lee County Fairboard	Lee County Extension	BAC
	Lee	Fort Madison	Train Town Fort Madison	Lee County Extension	BAC
	Lee	Montrose	Iowa Corrections	Lee County Extension	BAC
	Lee	Fort Madison	Iowa Prison Industries	Lee County Extension	BAC
	Lee	Montrose	The Welding Shop	Lee County Extension	BAC
	Lee	Lee County	Agri-Need (three locations)	Lee County Extension	BAC
	Lee	Houghton	Chem-Gro	Lee County Extension	BAC
	Lee	Donnellson	Donnellson Elevator	Lee County Extension	BAC
	Lee	Lee County	Kathy's Pumpkin Patch Ag Tourism	Lee County Extension	BAC
	Lee	Lee. Co	Lee County Economic Development	Lee County Extension	BCOM
	Lee	Franklin	City of Franklin	Lee County Extension	BCOM
	Lee	West Point	City of West Point	Lee County Extension	BCOM
	Lee	Montrose	City of Montrose	Lee County Extension	BCOM
	Lee	Keokuk	City of Keokuk	Lee County Extension	BCOM
	Lee	Keokuk	City of Fort Madison	Lee County Extension	BCOM
	Lee	Keokuk	Keokuk Chamber of Commerce	Lee County Extension	BCOM
	Lee	Keokuk	Keokuk Main Street Program	Lee County Extension	BCOM
	Lee	Lee. Co	Lee County Emergency Management	Lee County Extension	BCOM
	Lee	Fort Madison	Fort Madison Chamber of Commerce	Lee County Extension	BCOM
	Lee	Keokuk	Keokuk Area Convention and Tourism Bureau	Lee County Extension	BCOM
	Lee	Lee. Co	Lee County Conservation	Lee County Extension	BCOM
	Lee	Keokuk	Alliant Energy	Lee County Extension	BCOM
	Lee	Tri-County	Iowa DNR Forestry	Lee County Extension	BCOM
	Lee	Fort Madison	Train Town Fort Madison	Lee County Extension	BCOM
	Lee	Fort Madison	Fort Madison Parks and Recreation	Lee County Extension	BCOM
	Lee	Montrose	The Welding Shop	Lee County Extension	BCOM
	Lee	Lee County	Lee County Board of Supervisors	Lee County Extension	BCOM
	Lee	Keokuk	Keokuk Rotary	Lee County Extension	BCOM
	Lee	Keokuk	Lions Club	Lee County Extension	BCOM
	Lee	Keokuk	Keokuk Housing Authority	Lee County Extension	BCOM
	Lee	Tri-State Area	KOKX Broadcasting Company	Lee County Extension	BCOM
	Lee	Fort Madison	Fort Madison Daily Democrat	Lee County Extension	BCOM
	Lee	Lee. Co	Lee County Economic Development	Lee County Extension	FAC
	Lee	Keokuk	Keokuk Chamber of Commerce	Lee County Extension	FAC
	Lee	Lee. Co	Lee County Emergency Management	Lee County Extension	FAC
	Lee	Fort Madison	Fort Madison Chamber of Commerce	Lee County Extension	FAC
	Lee	Keokuk	Keokuk Area Convention and Tourism Bureau	Lee County Extension	FAC
	Lee	Lee. Co	Lee County Conservation	Lee County Extension	FAC
	Lee	Keokuk	Alliant Energy	Lee County Extension	FAC
	Lee	Tri-County	lowa DNR Forestry	Lee County Extension	FAC
	Lee	Lee County	Lee County Fairboard	Lee County Extension	FAC
	Lee	Fort Madison	Train Town Fort Madison	Lee County Extension	FAC
	Lee	Montrose	Iowa Corrections	Lee County Extension	FAC
	Lee	Fort Madison	Iowa Prison Industries	Lee County Extension	FAC
	Lee	Lee County	Lee County Board of Supervisors	Lee County Extension	FAC
	Lee	Tri-County	Southeastern Community College	Lee County Extension	FAC
	Lee	Lee County	Agri-Need (three locations)	Lee County Extension	FAC
	Lee	Houghton	Chem-Gro	Lee County Extension	FAC
	Lee	Donnellson	Donnellson Elevator	Lee County Extension	FAC
	Lee	Donnellson	Crop Quest	Lee County Extension	FAC
	Lee	Lee County	Lee County Farm Bureau	Lee County Extension	FAC
	Lee	Keokuk	Keokuk Housing Authority	Lee County Extension	FAC
	Lee	Lee County	Monsanto Corporation	Lee County Extension	FAC
	Lee	Keokuk	Keokuk Daily Gate City	Lee County Extension	FAC
	Lee	Fort Madison	Matt's Bedding Plants	Lee County Extension	FAC
	Lee	Lee County	Lee County Health Department	Lee County Extension	FAC
	Lee	Fort Madison	Fort Madison Hospital	Lee County Extension	FAC
	Lee	Keokuk	Keokuk Hospital	Lee County Extension	FAC
	Lee	Fort Madison	YMCA	Lee County Extension	FAC
		Las Carrets:	Natural Description and Construction Constru	Lan County Fister - ter	
	Lee Lee	Lee County Lee County	Natural Resource and Conservation Service Farm Service Agency	Lee County Extension Lee County Extension	FAC FAC

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Lee	Lee County	Kathy's Pumpkin Patch Ag Tourism	Lee County Extension	FAC
Lee	Lee County	Agriculture Commodity Groups	Lee County Extension	FAC
Lee	Lee County	lowa Woodland owners	Lee County Extension	FAC
Lee	Lee County	Integrated Energy Investment Company	Lee County Extension	FAC
Lee	Lee County	Farmers Markets Groups	Lee County Extension	FAC
Lee	Keokuk	Roquette America Inc.	Lee County Extension	FAC
Lee	Fort Madison	Fort Madison Public School District	Lee County Extension	ОСОМ
Lee	Lee. Co	Lee County Emergency Management	Lee County Extension	OCOM
Lee	Tri-County	Southeastern Community College	Lee County Extension	ОСОМ
Lee	Lee County	Lee County Farm Bureau	Lee County Extension	OCOM
Lee	Keokuk	Keokuk Rotary	Lee County Extension	OCOM
Lee	Keokuk	Lions Club	Lee County Extension	OCOM
Lee	Keokuk	Keokuk Housing Authority	Lee County Extension	OCOM
Lee	Tri-State Area	KOKX Broadcasting Company	Lee County Extension	OCOM
Lee	Fort Madison	Fort Madison Daily Democrat	Lee County Extension	OCOM
	Keokuk	Keokuk Daily Gate City	Lee County Extension	OCOM
Lee	Lee County		Lee County Extension	OCOM
Lee	,	Lee County Health Department Fort Madison Hospital	,	OCOM
Lee	Fort Madison		Lee County Extension	
Lee	Keokuk	Keokuk Hospital	Lee County Extension	OCOM
Lee	Fort Madison	YMCA	Lee County Extension	OCOM
Lee	Montrose	Lee County Economic Development Group, Montrose	Johnson County Extension	PWD
Lee	Lee County	Iowa Department of AgricultureLand Stewarship	Lee County Extension	PWD
 Lee	Lee. Co	Lee County Conservation	Lee County Extension	TAC
Lee	Keokuk	Alliant Energy	Lee County Extension	TAC
Lee	Tri-County	Iowa DNR Forestry	Lee County Extension	TAC
Lee	Lee County	Lee County Fairboard	Lee County Extension	TAC
Lee	Fort Madison	Train Town Fort Madison	Lee County Extension	TAC
Lee	Montrose	Iowa Corrections	Lee County Extension	TAC
Lee	Fort Madison	Iowa Prison Industries	Lee County Extension	TAC
	Keokuk	Keokuk Public Works	·	TAC
Lee			Lee County Extension	
Lee	Lee County	Agri-Need (three locations)	Lee County Extension	TAC
Lee	Houghton	Chem-Gro	Lee County Extension	TAC
 Lee	Donnellson	Donnellson Elevator	Lee County Extension	TAC
Lee	Donnellson	Crop Quest	Lee County Extension	TAC
Lee	Lee County	Monsanto Corporation	Lee County Extension	TAC
Lee	Tri-State Area	KOKX Broadcasting Company	Lee County Extension	TAC
Lee	Fort Madison	Fort Madison Daily Democrat	Lee County Extension	TAC
Lee	Keokuk	Keokuk Daily Gate City	Lee County Extension	TAC
Lee	Fort Madison	Matt's Bedding Plants	Lee County Extension	TAC
Lee	Lee County	Natural Resource and Conservation Service	Lee County Extension	TAC
Lee	Lee County	Farm Service Agency	Lee County Extension	TAC
	•	Kathy's Pumpkin Patch Ag Tourism	Lee County Extension	TAC
Lee	Lee County			
Lee	Lee County	Agriculture Commodity Groups	Lee County Extension	TAC
Lee	Lee County	Iowa Woodland owners	Lee County Extension	TAC
Lee	Lee County	Iowa Department of AgricultureLand Stewarship	Lee County Extension	TAC
Lee	Lee County	Hertz Farm Management	Lee County Extension	TAC
Lee	Lee County	Integrated Energy Investment Company	Lee County Extension	TAC
Lee	Lee County	Rathbun Rural Water Association	Lee County Extension	TAC
LEE				170
Lee	Franklin	City of Franklin	Lee County Extension	TCOM
	Franklin West Point	City of Franklin City of West Point	Lee County Extension Lee County Extension	
Lee				TCOM
Lee Lee	West Point Montrose	City of West Point City of Montrose	Lee County Extension Lee County Extension	TCOM TCOM TCOM
Lee Lee Lee	West Point Montrose Keokuk	City of West Point City of Montrose City of Keokuk	Lee County Extension Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM
Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk	City of West Point City of Montrose City of Keokuk City of Fort Madison	Lee County Extension Lee County Extension Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce	Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Keokuk	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program	Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Keokuk Keokuk Fort Madison	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce	Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Keokuk Fort Madison Lee. Co	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation	Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy	Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk Tri-County	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry	Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Keokuk Tort Madison Lee. Co Keokuk Tri-County Fort Madison	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry Fort Madison Parks and Recreation	Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk Tri-County Fort Madison Keokuk	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry Fort Madison Parks and Recreation Keokuk Public Works	Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk Tri-County Fort Madison Keokuk Lee County	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry Fort Madison Parks and Recreation Keokuk Public Works Lee County Board of Supervisors	Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk Tri-County Fort Madison Keokuk Lee County Keokuk	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry Fort Madison Parks and Recreation Keokuk Public Works Lee County Board of Supervisors Habitat For Humanity	Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk Tri-County Fort Madison Keokuk Lee County	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry Fort Madison Parks and Recreation Keokuk Public Works Lee County Board of Supervisors	Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk Tri-County Fort Madison Keokuk Lee County Keokuk	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry Fort Madison Parks and Recreation Keokuk Public Works Lee County Board of Supervisors Habitat For Humanity	Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk Tri-County Fort Madison Keokuk Lee County Keokuk Fort Madison	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry Fort Madison Parks and Recreation Keokuk Public Works Lee County Board of Supervisors Habitat For Humanity Habitat For Humanity	Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk Tri-County Fort Madison Keokuk Lee County Keokuk Lee County Keokuk Fort Madison Keokuk Fort Madison Keokuk	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry Fort Madison Parks and Recreation Keokuk Public Works Lee County Board of Supervisors Habitat For Humanity Habitat For Humanity Iowa Department of Transportation Keokuk Daily Gate City	Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk Tri-County Fort Madison Keokuk Lee County Keokuk Donnellson	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry Fort Madison Parks and Recreation Keokuk Public Works Lee County Board of Supervisors Habitat For Humanity Iowa Department of Transportation Keokuk Daily Gate City Iowa Department of Transportation	Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk Tri-County Fort Madison Keokuk Lee County Keokuk Fort Madison Donnellson Keokuk Donnellson Tri-State Area	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry Fort Madison Parks and Recreation Keokuk Public Works Lee County Board of Supervisors Habitat For Humanity Habitat For Humanity Iowa Department of Transportation Keokuk Daily Gate City Iowa Department of Transportation KOKX Broadcasting Company	Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk Tri-County Fort Madison Keokuk Lee County Keokuk Lee County Keokuk Lee County Keokuk Donnellson Tri-State Area Fort Madison	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry Fort Madison Parks and Recreation Keokuk Public Works Lee County Board of Supervisors Habitat For Humanity Habitat For Humanity Iowa Department of Transportation Keokuk Daily Gate City Iowa Department of Transportation KOKX Broadcasting Company Fort Madison Daily Democrat	Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk Tri-County Fort Madison Keokuk Lee County Keokuk Lee County Keokuk Tri-State Area Fort Madison Donnellson	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry Fort Madison Parks and Recreation Keokuk Public Works Lee County Board of Supervisors Habitat For Humanity Habitat For Humanity Iowa Department of Transportation Keokuk Daily Gate City Iowa Department of Transportation Kookuk Broadcasting Company Fort Madison Daily Democrat Sonnellson Heath Center	Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk Tri-County Fort Madison Keokuk Lee County Keokuk Lee County Keokuk Lee County Keokuk Fort Madison Tri-State Area Fort Madison Donnellson Houghton	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry Fort Madison Parks and Recreation Keokuk Public Works Lee County Board of Supervisors Habitat For Humanity Habitat For Humanity Iowa Department of Transportation Keokuk Daily Gate City Iowa Department of Transportation KOKX Broadcasting Company Fort Madison Daily Democrat Sonnellson Heath Center Hawkeye Steel Products Inc	Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk Tri-County Fort Madison Keokuk Lee County Keokuk Fort Madison Donnellson Tri-State Area Fort Madison Donnellson Heokuk Fort Madison Connellson Tri-State Area Fort Madison Donnellson Keokuk Fort Madison Connellson Tri-State Area Fort Madison Connellson Tri-State Area Fort Madison Connellson Houghton Keokuk	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry Fort Madison Parks and Recreation Keokuk Public Works Lee County Board of Supervisors Habitat For Humanity Habitat For Humanity Iowa Department of Transportation Keokuk Daily Gate City Iowa Department of Transportation KOKX Broadcasting Company Fort Madison Daily Democrat Sonnellson Heath Center Hawkeye Steel Products Inc Tri-City Energy, LLC	Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk Tri-County Fort Madison Keokuk Lee County Keokuk Lee County Keokuk Ler County Keokuk Donnellson Tri-State Area Fort Madison Donnellson Houghton	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry Fort Madison Parks and Recreation Keokuk Public Works Lee County Board of Supervisors Habitat For Humanity Iowa Department of Transportation Keokuk Daily Gate City Iowa Department of Transportation KOKX Broadcasting Company Fort Madison Daily Democrat Sonnellson Heath Center Hawkeye Steel Products Inc Tri-City Energy, LLC Seither and Cherry	Lee County Extension ISU Extension ISU Extension ISU Extension ISU Extension ISUE-CIRAS ISUE-CIRAS	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk Tri-County Fort Madison Keokuk Lee County Keokuk Lee County Keokuk Lee County Keokuk Fort Madison Donnellson Tri-State Area Fort Madison Donnellson Houghton Keokuk Fort Madison	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry Fort Madison Parks and Recreation Keokuk Public Works Lee County Board of Supervisors Habitat For Humanity Habitat For Humanity Iowa Department of Transportation Keokuk Daily Gate City Iowa Department of Transportation KOKX Broadcasting Company Fort Madison Daily Democrat Sonnellson Heath Center Hawkeye Steel Products Inc Tri-City Energy, LLC Seither and Cherry Dial Corp	Lee County Extension ISU Extension ISU Extension ISU Extension ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk Tri-County Fort Madison Keokuk Lee County Keokuk Lee County Keokuk Lee County Keokuk Fort Madison Monnellson Tri-State Area Fort Madison Donnellson Houghton Keokuk Keokuk Keokuk Keokuk Keokuk Keokuk Keokuk Keokuk	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry Fort Madison Parks and Recreation Keokuk Public Works Lee County Board of Supervisors Habitat For Humanity Habitat For Humanity Iowa Department of Transportation Keokuk Daily Gate City Iowa Department of Transportation KOKX Broadcasting Company Fort Madison Daily Democrat Sonnellson Heath Center Hawkeye Steel Products Inc Tri-City Energy, LLC Seither and Cherry Dial Corp Roquette	Lee County Extension ISU Extension ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk Tri-County Fort Madison Keokuk Lee County Keokuk Fort Madison Donnellson Tri-State Area Fort Madison Donnellson Houghton Keokuk Fort Madison Donnellson Keokuk Keokuk Keokuk Keokuk Keokuk Keokuk	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry Fort Madison Parks and Recreation Keokuk Public Works Lee County Board of Supervisors Habitat For Humanity Iowa Department of Transportation Keokuk Daily Gate City Iowa Department of Transportation Keokuk Daily Gate City Iowa Department of Transportation KOKX Broadcasting Company Fort Madison Daily Democrat Sonnellson Heath Center Hawkeye Steel Products Inc Tri-City Energy, LLC Seither and Cherry Dial Corp Roquette A and E Waste Management	Lee County Extension ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk Tri-County Fort Madison Keokuk Lee County Keokuk Lee County Keokuk Lee County Keokuk Fort Madison Monnellson Tri-State Area Fort Madison Donnellson Houghton Keokuk Keokuk Keokuk Keokuk Keokuk Keokuk Keokuk Keokuk	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry Fort Madison Parks and Recreation Keokuk Public Works Lee County Board of Supervisors Habitat For Humanity Habitat For Humanity Iowa Department of Transportation Keokuk Daily Gate City Iowa Department of Transportation KOKX Broadcasting Company Fort Madison Daily Democrat Sonnellson Heath Center Hawkeye Steel Products Inc Tri-City Energy, LLC Seither and Cherry Dial Corp Roquette	Lee County Extension ISU Extension ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk Tri-County Fort Madison Keokuk Lee County Keokuk Fort Madison Donnellson Tri-State Area Fort Madison Donnellson Houghton Keokuk Fort Madison Donnellson Keokuk Keokuk Keokuk Keokuk Keokuk Keokuk	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry Fort Madison Parks and Recreation Keokuk Public Works Lee County Board of Supervisors Habitat For Humanity Iowa Department of Transportation Keokuk Daily Gate City Iowa Department of Transportation Keokuk Daily Gate City Iowa Department of Transportation KOKX Broadcasting Company Fort Madison Daily Democrat Sonnellson Heath Center Hawkeye Steel Products Inc Tri-City Energy, LLC Seither and Cherry Dial Corp Roquette A and E Waste Management	Lee County Extension ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk Tri-County Fort Madison Keokuk Lee County Keokuk Lee County Keokuk Donnellson Tri-State Area Fort Madison Houghton Keokuk Keokuk Fort Madison Tri-State Area Fort Madison Connellson Tri-State Area Fort Madison Connellson Tri-State Area Fort Madison Connellson Houghton Keokuk Keokuk Keokuk Fort Madison Keokuk Keokuk Fort Madison Keokuk Keokuk Fort Madison	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry Fort Madison Parks and Recreation Keokuk Public Works Lee County Board of Supervisors Habitat For Humanity Iowa Department of Transportation Keokuk Daily Gate City Iowa Department of Transportation KOKX Broadcasting Company Fort Madison Daily Democrat Sonnellson Heath Center Hawkeye Steel Products Inc Tri-City Energy, LLC Seither and Cherry Dial Corp Roquette A and E Waste Management Hoeing's Landscape	Lee County Extension ISU Extension ISU Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk Tri-County Fort Madison Keokuk Lee County Keokuk Lee County Keokuk Lee County Keokuk Lee County Keokuk Fort Madison Meokuk Lee County Keokuk Fort Madison Donnellson Keokuk Fort Madison Donnellson Tri-State Area Fort Madison Donnellson Houghton Keokuk Fort Madison Keokuk Fort Madison Keokuk Fort Madison Keokuk Fort Madison Keokuk Fort Madison Keokuk Keokuk Fort Madison Keokuk Keokuk Fort Madison Keokuk Keokuk Fort Madison	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry Fort Madison Parks and Recreation Keokuk Public Works Lee County Board of Supervisors Habitat For Humanity Habitat For Humanity Habitat For Humanity Iowa Department of Transportation Keokuk Daily Gate City Iowa Department of Transportation KOKX Broadcasting Company Fort Madison Daily Democrat Sonnellson Heath Center Hawkeye Steel Products Inc Tri-City Energy, LLC Seither and Cherry Dial Corp Roquette A and E Waste Management Hoeing's Landscape Merschaman Seeds Keokuk Public School System	Lee County Extension ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CCUR Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk Tri-County Fort Madison Keokuk Lee County Keokuk Donnellson Tri-State Area Fort Madison Keokuk Keokuk Lee County Keokuk Lee County Keokuk Lee County Keokuk Lee County Keokuk Lee County Keokuk Fort Madison Donnellson Tri-State Area Fort Madison Meokuk Keokuk Fort Madison West Point Keokuk Donnellson	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry Fort Madison Parks and Recreation Keokuk Public Works Lee County Board of Supervisors Habitat For Humanity Iowa Department of Transportation Keokuk Daily Gate City Iowa Department of Transportation Keokuk Daily Gate City Iowa Department of Transportation KOKX Broadcasting Company Fort Madison Daily Democrat Sonnellson Heath Center Hawkeye Steel Products Inc Tri-City Energy, LLC Seither and Cherry Dial Corp Roquette A and E Waste Management Hoeing's Landscape Merschaman Seeds Keokuk Public School System Central Lee Community School System	Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM
Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee	West Point Montrose Keokuk Keokuk Keokuk Keokuk Fort Madison Lee. Co Keokuk Tri-County Fort Madison Keokuk Lee County Keokuk Lee County Keokuk Lee County Keokuk Lee County Keokuk Fort Madison Meokuk Lee County Keokuk Fort Madison Donnellson Keokuk Fort Madison Donnellson Tri-State Area Fort Madison Donnellson Houghton Keokuk Fort Madison Keokuk Fort Madison Keokuk Fort Madison Keokuk Fort Madison Keokuk Fort Madison Keokuk Keokuk Fort Madison Keokuk Keokuk Fort Madison Keokuk Keokuk Fort Madison	City of West Point City of Montrose City of Keokuk City of Fort Madison Keokuk Chamber of Commerce Keokuk Main Street Program Fort Madison Chamber of Commerce Lee County Conservation Alliant Energy Iowa DNR Forestry Fort Madison Parks and Recreation Keokuk Public Works Lee County Board of Supervisors Habitat For Humanity Habitat For Humanity Habitat For Humanity Iowa Department of Transportation Keokuk Daily Gate City Iowa Department of Transportation KOKX Broadcasting Company Fort Madison Daily Democrat Sonnellson Heath Center Hawkeye Steel Products Inc Tri-City Energy, LLC Seither and Cherry Dial Corp Roquette A and E Waste Management Hoeing's Landscape Merschaman Seeds Keokuk Public School System	Lee County Extension ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CCUR Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension Lee County Extension	TCOM TCOM TCOM TCOM TCOM TCOM TCOM TCOM

	Lee	Donnellson	Central Lee Community School System Lee C	County Extension	OCOM
	Lee	Keokuk	YMCA Lee C	County Extension	OCOM
	Lee	Keokuk	A and E Waste Management Lee C	County Extension	TAC
	Lee	West Point	Merschaman Seeds Lee C	County Extension	TAC
	Lee	Fort Madison			TAC
Lee County	162		·	,	16
•	Linn	Cedar Rapids	County Planning & Zoning CRP		ТСОМ
	Linn	Cedar Rapids			ТСОМ
		·	Extens	sion	
	Linn	Mount Vernon	Hills Bank Econo	omics & CCUR	BAC
	Linn	Mount Vernon			BAC
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	Linn	Mount Vernon			BAC
	Linn	Mount Vernon	·		BAC
	Linn	Mount Vernon	1 1 1		BAC
	Linn	Center Point	Council Member CRP		TCOM
	Linn	Linn	Economic Development Coordinator CRP		TCOM
	Linn	Center Point			TCOM
			Extens		
	Linn	Linn			TCOM
			Extens		
	Linn	Ely	New Leaf Interactive Media OIPTT		BAC
	Linn	Cedar Rapids	Entrepreneurial Development Center, Inc. OIPTT		FAC
	Linn	Cedar Rapids	Kirkwood Community College OIPTT		BCOM
	Linn	Cedar Rapids Cedar Rapids	Express Auto Delivery OIPTT		BAC
	Linn	·	Genovatech OIPTT		BAC
		Marion	SwitchQuick OIPTT		BAC
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	Linn	Cedar Rapids			FAC FAC
	Linn	Cedar Rapids			FAC
	Linn	Marion			
	Linn	Alburnett			всом
	Lina	Cades Denida	IDRO		DCOM
	Linn	Cedar Rapids	ECICOG CRP		BCOM
	Linn	Fairfax	City Clerk CRP		TCOM
	Linn	Fairfax	Planning & Zoning Chairman CRP		TCOM
	Linn	Fairfax			BCOM
			IDRO		
	Linn	Hiawatha	Administrator CRP		ТСОМ
	Linn	Hiawatha	Community Development Director CRP		TCOM
	Linn	Hiawatha			BCOM/ TCOM
			IDRO;	; CED	
	Linn	Lisbon	Lisbon	scape Architecture,	BCOM
			IDRO	)	
	Linn	Palo	Palo Lands	scape Architecture,	BCOM
			IDRO	)	
	Linn	Springville	Springville Lands	scape Architecture,	BCOM
			IDRO	)	
	Linn	Cedar Rapids	Rockwell Collins Colleg	ge of Engineering	FAC
	Linn	Cedar Rapids	Cedar Ridge Vineyards Colleg	ge of Engineering	BAC
	Linn	Cedar Rapids	Entrepreneurial Development Center College	ge of Engineering	FAC
	Linn	Hiawatha	First Voice Colleg	ge of Engineering	TAC
	Linn	Robins	Freedom 360 Modular Homes College	ge of Engineering	FAC
	Linn	Cedar Rapids	Alliant Energy College	ge of Engineering	TAC
	Linn	Cedar Rapids	Rockwell Collins College	ge of Engineering	TAC
	Linn	Cedar Rapids			PWD
	Linn	Cedar Rapids			PWD
	Linn	Cedar Rapids			PWD
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	Linn	Iowa City			TAC
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	Linn	Cedar Rapids	Cente	er for Nondestructive	TAC
	Linn	Cedar Rapids	Cente Rockwell Collins Evalua	er for Nondestructive ation, IPRT	TAC
		,	Cente Rockwell Collins Evalue IPRT	er for Nondestructive lation, IPRT Company Assistance-	
	Linn	Cedar Rapids Cedar Rapids	Cente	er for Nondestructive lation, IPRT Company Assistance- rials	TAC TAC
	Linn	Cedar Rapids	Rockwell Collins Evalua IPRT of Materia IPRT of IPRT o	er for Nondestructive lation, IPRT Company Assistance- rials Company Assistance-	TAC
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	Linn	Cedar Rapids  Marion	Cente	er for Nondestructive ation, IPRT Company Assistance- rials Company Assistance- rials Company Assistance-	TAC
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	Linn	Cedar Rapids  Marion	Cente	er for Nondestructive ation, IPRT Company Assistance- rials Company Assistance- rials Company Assistance- rials Company Assistance-	TAC
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	Linn	Cedar Rapids  Marion	Cente	er for Nondestructive ation, IPRT Company Assistance-rials Company Assistance-rials Company Assistance-rials Company Assistance-rials Company Assistance-rials Company Assistance-rials company Assistance-rials	TAC
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	Linn Linn Linn Linn	Cedar Rapids  Marion  Cedar Rapids  Cedar Rapids	Cente	er for Nondestructive ation, IPRT Company Assistance-rials Company Assistance-rials Company Assistance-rials Company Assistance-rials Company Assistance-rials Company Assistance-rology mercialization Company Assistance-rology	TAC TAC TAC
	Linn Linn Linn	Cedar Rapids  Marion  Cedar Rapids	Cente	er for Nondestructive ation, IPRT Company Assistance-rials Company Assistance-rials Company Assistance-rials Company Assistance-rials Company Assistance-rials Company Assistance-rials Company Assistance-rials Company Assistance-rials Company Assistance-rials Company Assistance-rials Company Assistance-rials Company Assistance-rials	TAC TAC
	Linn Linn Linn Linn	Cedar Rapids  Marion  Cedar Rapids  Cedar Rapids	Cente	er for Nondestructive ation, IPRT Company Assistance-rials Company Assistance-rials Company Assistance-rials Company Assistance-rials Company Assistance-rials Company Assistance-rials Company Assistance-rials Company Assistance-rials Company Assistance-rials Company Assistance-rials	TAC TAC TAC
	Linn Linn Linn Linn	Cedar Rapids  Marion  Cedar Rapids  Cedar Rapids  Cedar Rapids	Cente	er for Nondestructive ation, IPRT Company Assistance- ials Company Assistance- ials Company Assistance- ials Company Assistance- ials Company Assistance- ials Company Assistance- iology nercialization Company Assistance- iology Company Assistance- iology nercialization Company Assistance- iology Company Assistance- iology	TAC TAC TAC TTT
	Linn Linn Linn Linn	Cedar Rapids  Marion  Cedar Rapids  Cedar Rapids	Cente	er for Nondestructive ation, IPRT Company Assistance- rials Company Assistance- rials Company Assistance- rials Company Assistance- rials Company Assistance- rials Company Assistance- rology mercialization Company Assistance- rology mercialization Company Assistance- rology mercialization Company Assistance- rology mercialization	TAC TAC TAC
	Linn Linn Linn Linn Linn Linn	Cedar Rapids  Marion  Cedar Rapids  Cedar Rapids  Cedar Rapids  Cedar Rapids  Cedar Rapids	Rockwell Collins Evalua  Ilowa Fluid Power, Inc.  Marion Mixers  Rockwell Collins, Inc.  Diamond V Mills, Inc.  General Mills, Inc.  Comm  IPRT  Techn  Comm  IPRT  Techn  Comm  Techn  Comm  IPRT  Techn  Comm  Techn  Comm  Techn  Comm  Techn  Comm  Techn  Comm  Midwe  Rockwell Collins, Inc.	er for Nondestructive ation, IPRT Company Assistancerials Company Assistancerials Company Assistancerials Company Assistancerials Company Assistancerials Company Assistancerials Company Assistancerialization Company Assistancerialization Company Assistancerialization Company Assistancerialization company Assistancerialization est Forensics Resource	TAC TAC TTT TT
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	Linn	Cedar Rapids	Distance Education Students = 2	Brenton Ctr for Ag Instruction	PWD
	LIIII	Cedal Rapids	Distance Education Students – 2	Brenton Ctr for Ag	FWD
	Linn	Ely	Distance Education Students = 2	Instruction	PWD
				Brenton Ctr for Ag	
	Linn	Hiawatha	Distance Education Students = 2	Instruction	PWD
	Linn	Mt. Vernon	Distance Education Students = 2	Brenton Ctr for Ag Instruction	PWD
	LIIII	Wit. Verrion	Distance Education Students – 2	Brenton Ctr for Ag	FWD
	Linn	Marion	Distance Education Students = 4	Instruction	PWD
	Linn	Cedar Rapids	Genencor (Danisco US Inc., Genencor Division)	CCUR	FAC, TAC
				Joseph Chen - ABE and	
	Linn	Marion	Legacy Automotive & Industrial Products	CIRAS	TAC
	Linn	Marion	Linn-Mar High School	College of Engineering / ABE (PLTW)	осом
	Linn	Cedar Rapids	Midamar Corporation	Meat Science Extension	PWD
1				Agricultural Education and	
	Linn	Cedar Rapids	Kirkwood Community College	Studies	ОСОМ
		0 1 0 11	Kidawa ad Oceanowith Ocellana	Agricultural Education and	00014
	Linn	Cedar Rapids	Kirkwood Community College	Studies Agricultural Education and	ОСОМ
	Linn	Cedar Rapids	Linn-Marr Community Schools	Studies	ОСОМ
	Linn	Cedar Rapids	Diamond V	CCUR	FAC
	Linn	Cedar Rapids	Genencor (Danisco US Inc., Genencor Division)	CCUR	FAC, TAC
	Linn	Cedar Rapids	Diamond V. Mills, Inc.	ISURF	TT
	Linn	Alburnett	Alburnett	Landscape Architecture,	всом
	Linn	Cedar Rapids	Cedar Rapids	IDRO Extension CED	TCOM/ OCOM/
	Luill	Ceuai Rapius	Ceuai Napius	LYIGHSIOH CED	PWD
	Linn	Cedar Rapids	Dr. Trigger Enterprises Inc.	Extension CED	PWD
	Linn	Cedar Rapids	ECICOG	Extension CED, CRP	ВСОМ
				Extension	
	Linn	Cedar Rapids	NE Iowa Community Development Conference	Extension CED	FAC
	Linn Linn	Centerville Fairfax	Appanoose County Assessor's Office City Clerk	Extension CED, CRP	PWD TCOM
	LIIII	raillax	City Clerk	Extension	TCOW
	Linn	Fairfax	Fairfax	Landscape Architecture,	ВСОМ
1				IDRO	
	Linn	Fairfax	Planning & Zoning Chairman	Extension CED, CRP	TCOM
	Lina	I I'	A desirint and a	Extension	TOOM
	Linn	Hiawatha	Administrator	Extension CED, CRP Extension	тсом
	Linn	Hiawatha	City of Hiawatha	Extension CED	всом
	Linn	Hiawatha	Community Development Director	Extension CED, CRP	TCOM
				Extension	
	Linn	Hiawatha	Hiawatha	Landscape Architecture,	BCOM/ TCOM
	Linn	Lisbon	Lisbon	IDRO; Extension CED	ВСОМ
	Linn	LISDOIT	LISDOTI	Landscape Architecture, IDRO	BCOW
	Linn	Marion	NE Iowa Community Development Conference	Extension CED	FAC
	Linn	Palo	Palo	Landscape Architecture,	BCOM
				IDRO	
	Linn	Springville	Springville	Landscape Architecture,	всом
	Linn		Linn County - 15 in 5 Early Childhood effort	IDRO Linn County Extension	ОСОМ
	EH II I		Linn County - Parent Education Consortium at	Lini County Exterioloff	JUDINI
	Linn		worksites	Linn County Extension	ОСОМ
	Linn	Marion	Linn County Extension, Marion	Johnson County Extension	PWD
	Linn	Cedar Rapids	Young Parents Network, Cedar Rapids	Johnson County Extension	PWD
	Linn	Cedar Rapids	The History Center, CR	Johnson County Extension	PWD
		Higwatha	American Red Cross Hierarche		
	Linn Linn	Hiawatha Cedar Rapids	American Red Cross-Grant Wood Chapter, CR	Johnson County Extension	PWD PWD
	Linn Linn Linn	Hiawatha Cedar Rapids Marion	American Red Cross, Hiawatha  American Red Cross-Grant Wood Chapter, CR  Caleb Ministries, Marion	Johnson County Extension Johnson County Extension Johnson County Extension	PWD PWD PWD
	Linn	Cedar Rapids	American Red Cross-Grant Wood Chapter, CR	Johnson County Extension	PWD
	Linn Linn Linn Linn	Cedar Rapids Marion Cedar Rapids Cedar Rapids	American Red Cross-Grant Wood Chapter, CR Caleb Ministries, Marion Faith in Action, CR Arc of East Central Iowa, CR	Johnson County Extension Johnson County Extension Johnson County Extension Johnson County Extension	PWD PWD PWD PWD
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	Linn Linn	Cedar Rapids Marion	Midwest Dairy Assoc - Iowa Dairy Nut. Ad. Comm Summit Pointe	ISU Extension	BCOM PWD
	Linn	Marion Cedar Rapids	Applebee's	ISU Extension	PWD
	Linn	Marion	Spybar on 10th	ISU Extension	PWD
	Linn	Cedar Rapids	Beckett's	ISU Extension	PWD
	Linn	Cedar Rapids	ADM	ISU Extension	PWD
	Linn	Marion	Culver's	ISU Extension	PWD
	Linn	Cedar Rapids	Garnet Place	ISU Extension	PWD
	Linn	Center Point	Pizza Place	ISU Extension	PWD
	Linn	Cedar Rapids	Kingston Hill	ISU Extension	PWD
	Linn	Cedar Rapids	Chili's	ISU Extension	PWD
	Linn	Cedar Rapids	Hydraulic Specialty Company	ISUE-CIRAS	TAC
	Linn	Mount Vernon Cedar Rapids	B4 Brands EcoLips Inc.	ISUE-CIRAS ISUE-CIRAS	TAC
	Linn Linn	Cedar Rapids Center Point	Computer Software Development, Inc.	ISUE-CIRAS	BAC
	Linn	Cedar Rapids	Morning Star Studio LLC	ISUE-CIRAS	BAC
	Linn	Cedar Rapids	Ram Technology, LLC	ISUE-CIRAS	BAC
	Linn	Mount Vernon	Hands On Screenprint and Embroidery	ISUE-CIRAS	BAC
	Linn	Central City	Central City Manufacturing Inc.	ISUE-CIRAS	BAC
	Linn	Cedar Rapids	Hunter's Specialties Inc	ISUE-CIRAS	TAC
	Linn	Cedar Rapids	Engineered Seal Products Inc	ISUE-CIRAS	TAC
	Linn	Cedar Rapids	Goodwill Industries of SE Iowa	ISUE-CIRAS	TAC
	Linn	Cedar Rapids	Midwest Metal Products Co Inc	ISUE-CIRAS	TAC
	Linn	Cedar Rapids	Goodwill Industries of SE Iowa	ISUE-CIRAS	TAC
-	Linn	Cedar Rapids	Ament, Inc.	CTRE/CP Tech	PWD
<u> </u>	Linn	Cedar Rapids	City of Cedar Rapids	CTRE/CP Tech CTRE/CP Tech	PWD PWD
	Linn Linn	Cedar Rapids Cedar Rapids	Construction Materials Conveyor Eng. & Mfg.	CTRE/CP Tech	PWD
	Linn	Cedar Rapids Cedar Rapids	Engineering Alliance Inc.	CTRE/CP Tech	PWD
	Linn	Cedar Rapids	lowa DOT	CTRE/CP Tech	PWD
	Linn	Cedar Rapids	Shive-Hattery	CTRE/CP Tech	PWD
	Linn	Cedar Rapids	Snyder & Associates, Inc.	CTRE/CP Tech	PWD
	Linn	Cedar Rapids	Terracon Consultants, Inc	CTRE/CP Tech	PWD
	Linn	Central City	City of Central City	CTRE/CP Tech	PWD
	Linn	Ely	Martin Marietta Materials	CTRE/CP Tech	PWD
	Linn	Hiawatha	Hawkeye Ready Mix, Inc.	CTRE/CP Tech	PWD
<u> </u>	Linn	Marion	City of Marion	CTRE/CP Tech	PWD
	Linn	Marion Mount Vernon	Linn Co.	CTRE/CP Tech	PWD PWD
	Linn Linn	Cedar Rapids	City of Mount Vernon General Mills	CTRE/CP Tech OBP	BAC, FAC, TAC
	Linn	Cedar Rapids Cedar Rapids	Alliant Energy	Industry Relations	BCOM
	Linn	Cedar Rapids	Mello3z, LLC	Industry Relations	TAC
	Linn	Cedar Rapids	General Mills	OBP	BAC, FAC, TAC
	Linn	Cedar Rapids	Diamond V	CCUR	FAC
	Linn	Cedar Rapids	Genencor (Danisco US Inc., Genencor Division)	CCUR	FAC, TAC
	Linn		County Local Housing Trust Fund	Extension CED	TCOM
	Linn		County Local Housing Trust Fund	Extension CED	TCOM
	Linn		Lee County tourism	Extension CED	FAC
	Linn		Linn County Auditors	Extension CED	OCOM
	Linn Linn		Linn County Silos & Smokestacks National Heritage Area	Extension CED Extension CED	ОСОМ
			Silos & Siliokestacks National Hentage Area		
					ОСОМ
			Cedar Rapids/Iowa City Corridor - STEM program	Linn and Johnson Co.	OCOM
Linn County	Linn 166		Cedar Rapids/Iowa City Corridor - STEM program		
Linn County	Linn	Columbus Junction	Cedar Rapids/Iowa City Corridor - STEM program Columbus Junction	Linn and Johnson Co.	ОСОМ
Linn County	Linn 166	Columbus Junction		Linn and Johnson Co. Extension	OCOM OCOM
Linn County	Linn 166	Columbus Junction	Columbus Junction High School	Linn and Johnson Co. Extension  Landscape Architecture, IDRO CRP	OCOM OCOM 166 BCOM
Linn County	Linn 166 Louisa		Columbus Junction	Linn and Johnson Co. Extension  Landscape Architecture, IDRO CRP  Landscape Architecture,	OCOM OCOM 166 BCOM
Linn County	Linn 166 Louisa Louisa Louisa	Columbus Junction Grandview	Columbus Junction  High School  Grandview	Linn and Johnson Co. Extension  Landscape Architecture, IDRO CRP  Landscape Architecture, IDRO	OCOM OCOM 166 BCOM BCOM
Linn County	Linn 166 Louisa Louisa	Columbus Junction	Columbus Junction High School	Linn and Johnson Co. Extension  Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture,	OCOM OCOM 166 BCOM
Linn County	Linn 166 Louisa Louisa Louisa Louisa Louisa	Columbus Junction Grandview Wapello	Columbus Junction High School Grandview Wapello	Linn and Johnson Co. Extension  Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO	OCOM OCOM 166 BCOM BCOM BCOM BCOM
Linn County	Linn 166 Louisa Louisa Louisa Louisa Louisa Louisa	Columbus Junction Grandview Wapello Columbus Junction	Columbus Junction High School Grandview Wapello Tyson Foods	Linn and Johnson Co. Extension  Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Meat Science Extension	OCOM OCOM 166 BCOM BCOM BCOM BCOM PWD
Linn County	Linn 166 Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa	Columbus Junction Grandview Wapello Columbus Junction Columbus Jct	Columbus Junction  High School Grandview  Wapello  Tyson Foods Translators and Interpreters	Linn and Johnson Co. Extension  Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Mat Science Extension Extension CED	OCOM OCOM 166 BCOM BCOM BCOM BCOM PWD PWD
Linn County	Linn 166 Louisa Louisa Louisa Louisa Louisa Louisa	Columbus Junction Grandview Wapello Columbus Junction	Columbus Junction High School Grandview Wapello Tyson Foods	Linn and Johnson Co. Extension  Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Meat Science Extension Extension CED Landscape Architecture,	OCOM OCOM 166 BCOM BCOM BCOM BCOM PWD
Linn County	Linn 166 Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa	Columbus Junction Grandview Wapello Columbus Junction Columbus Jct Columbus Junction	Columbus Junction  High School Grandview  Wapello Tyson Foods Translators and Interpreters Columbus Junction	Linn and Johnson Co. Extension  Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Meat Science Extension Extension CED Landscape Architecture, IDRO	OCOM OCOM 166 BCOM BCOM BCOM BCOM PWD PWD BCOM
Linn County	Linn 166 Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa	Columbus Junction Grandview Wapello Columbus Junction Columbus Jet Columbus Junction Columbus Junction	Columbus Junction  High School Grandview  Wapello Tyson Foods Translators and Interpreters Columbus Junction  Columbus Junction	Linn and Johnson Co. Extension  Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Meat Science Extension Extension CED Landscape Architecture, IDRO Landscape Architecture, IDRO Extension CED	OCOM OCOM 166 BCOM BCOM BCOM PWD PWD BCOM BCOM OCOM
Linn County	Linn 166 Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa	Columbus Junction Grandview Wapello Columbus Junction Columbus Jct Columbus Junction	Columbus Junction  High School Grandview  Wapello Tyson Foods Translators and Interpreters Columbus Junction	Linn and Johnson Co. Extension  Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Meat Science Extension Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED	OCOM OCOM 166 BCOM BCOM BCOM BCOM PWD PWD BCOM
Linn County	Linn 166 Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa	Columbus Junction Grandview Wapello Columbus Junction Columbus Jet Columbus Junction Columbus Junction	Columbus Junction  High School Grandview  Wapello Tyson Foods Translators and Interpreters Columbus Junction  Columbus Junction	Linn and Johnson Co. Extension  Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Meat Science Extension Extension CED Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED Extension CED Landscape Architecture, IDRO Landscape Architecture,	OCOM OCOM 166 BCOM BCOM BCOM PWD PWD BCOM BCOM OCOM
Linn County	Linn 166 Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa	Columbus Junction Grandview Wapello Columbus Junction Columbus Jut Columbus Junction Columbus Junction Columbus Junction Columbus Junction Grandview	Columbus Junction  High School Grandview  Wapello Tyson Foods Translators and Interpreters Columbus Junction  Columbus Junction High School Grandview	Linn and Johnson Co. Extension  Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Meat Science Extension Extension CED Landscape Architecture, IDRO Meat Science Extension Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED, CRP Extension Landscape Architecture, IDRO	OCOM OCOM 166 BCOM BCOM BCOM PWD PWD BCOM BCOM BCOM BCOM BCOM BCOM BCOM
Linn County	Linn 166 Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa	Columbus Junction Grandview Wapello Columbus Junction Columbus Jet Columbus Junction Columbus Junction Columbus Junction Columbus Junction	Columbus Junction  High School Grandview  Wapello  Tyson Foods Translators and Interpreters Columbus Junction  Columbus Junction  High School	Linn and Johnson Co. Extension  Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED, CRP Extension Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture,	OCOM OCOM 166 BCOM BCOM BCOM PWD PWD BCOM BCOM BCOM BCOM
Linn County	Linn 166 Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa	Columbus Junction Grandview Wapello Columbus Junction Columbus Jut Columbus Junction Columbus Junction Columbus Junction Columbus Junction Grandview	Columbus Junction  High School Grandview  Wapello Tyson Foods Translators and Interpreters Columbus Junction  Columbus Junction High School Grandview	Linn and Johnson Co. Extension  Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Meat Science Extension Extension CED Landscape Architecture, IDRO Meat Science Extension Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED, CRP Extension Landscape Architecture, IDRO	OCOM OCOM 166 BCOM BCOM BCOM PWD PWD BCOM BCOM BCOM BCOM BCOM BCOM BCOM
Linn County	Linn 166 Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa	Columbus Junction Grandview Wapello Columbus Junction Columbus Junction Columbus Junction Columbus Junction Columbus Junction Grandview Wapello	Columbus Junction  High School Grandview  Wapello Tyson Foods Translators and Interpreters Columbus Junction  Columbus Junction High School Grandview	Linn and Johnson Co. Extension  Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Meat Science Extension Extension CED Landscape Architecture, IDRO Extension CED Extension CED, CRP Extension CED, CRP Extension Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO	OCOM OCOM 166 BCOM BCOM BCOM PWD PWD PWD BCOM BCOM BCOM BCOM BCOM BCOM BCOM BCOM
Linn County	Linn 166 Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa	Columbus Junction Grandview Wapello Columbus Junction Columbus Jut Columbus Junction Columbus Junction Columbus Junction Columbus Junction Grandview	Columbus Junction  High School Grandview  Wapello  Tyson Foods Translators and Interpreters Columbus Junction  Columbus Junction  High School  Grandview  Wapello	Linn and Johnson Co. Extension  Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Meat Science Extension Extension CED Landscape Architecture, IDRO Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED, CRP Extension Landscape Architecture, IDRO Landscape Architecture, IDRO Landscape Architecture, IDRO Extension & School of Ag	OCOM OCOM 166 BCOM BCOM BCOM PWD PWD BCOM BCOM BCOM BCOM BCOM BCOM BCOM
Linn County	Linn 166 Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa	Columbus Junction Grandview Wapello Columbus Junction Columbus Junction Columbus Junction Columbus Junction Columbus Junction Grandview Wapello	Columbus Junction  High School Grandview  Wapello  Tyson Foods Translators and Interpreters Columbus Junction  Columbus Junction  High School  Grandview  Wapello	Linn and Johnson Co. Extension  Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Meat Science Extension Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED CRP Extension Landscape Architecture, IDRO Landscape Architecture, IDRO Lendscape Architecture, IDRO Extension & School of Ag Professor	OCOM OCOM 166 BCOM BCOM BCOM PWD PWD PWD BCOM BCOM BCOM BCOM BCOM BCOM BCOM BCOM
Linn County	Linn 166 Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa Louisa	Columbus Junction Grandview Wapello Columbus Junction Columbus Jet Columbus Junction Columbus Junction Columbus Junction Grandview Wapello Morning Sun	Columbus Junction  High School Grandview  Wapello  Tyson Foods Translators and Interpreters Columbus Junction  Columbus Junction High School  Grandview  Wapello  Cloverdale Farms	Linn and Johnson Co. Extension  Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Meat Science Extension Extension CED Landscape Architecture, IDRO Meat Science Extension Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED, CRP Extension Landscape Architecture, IDRO Landscape Architecture, IDRO Extension & School of Ag Professor Extension & School of Extension & School of Extension & School of Engineering Extension Director/CIRAS	OCOM OCOM 166 BCOM BCOM BCOM PWD PWD BCOM BCOM BCOM BCOM BCOM BCOM BCOM BCOM
Linn County	Linn  166  Louisa  Louisa  Louisa  Louisa  Louisa  Louisa  Louisa  Louisa  Louisa  Louisa  Louisa  Louisa  Louisa  Louisa  Louisa  Louisa  Louisa  Louisa  Louisa	Columbus Junction Grandview Wapello Columbus Junction Columbus Junction Columbus Junction Columbus Junction Grandview Wapello Morning Sun Morning Sun	Columbus Junction  High School Grandview  Wapello  Tyson Foods Translators and Interpreters Columbus Junction  Columbus Junction  High School  Grandview  Wapello  Cloverdale Farms  Lindholm Law Louisa Communications	Linn and Johnson Co. Extension  Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Meat Science Extension Extension CED Landscape Architecture, IDRO Extension CED Extension Sechool of Ag Professor Extension & School of Engineering Extension Director/CIRAS Ag & Finance Field	OCOM OCOM 166 BCOM BCOM BCOM BCOM PWD PWD BCOM BCOM BCOM BCOM BCOM BCOM BCOM BCOM
Linn County	Linn  166  Louisa	Columbus Junction Grandview Wapello Columbus Junction Columbus Junction Columbus Junction Columbus Junction Columbus Junction Grandview Wapello Morning Sun Morning Sun Louisa County	Columbus Junction  High School Grandview  Wapello  Tyson Foods Translators and Interpreters Columbus Junction  Columbus Junction  High School  Grandview  Wapello  Cloverdale Farms  Lindholm Law Louisa Communications  Soil & Water Conservation District	Linn and Johnson Co. Extension  Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Meat Science Extension Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED, CRP Extension Landscape Architecture, IDRO Landscape Architecture, IDRO Extension School of Ag Professor Extension & School of Ag Professor Extension & School of Engineering Extension Director/CIRAS Ag & Finance Field Specialists	OCOM OCOM 166 BCOM BCOM BCOM BCOM PWD PWD BCOM BCOM BCOM BCOM BCOM BCOM BCOM BCOM
Linn County	Linn 166 Louisa	Columbus Junction Grandview Wapello Columbus Junction Columbus Junction Columbus Junction Columbus Junction Grandview Wapello Morning Sun Morning Sun Louisa County Letts	Columbus Junction  High School Grandview  Wapello Tyson Foods Translators and Interpreters Columbus Junction  Columbus Junction  High School  Grandview  Wapello  Cloverdale Farms Lindholm Law Louisa Communications  Soil & Water Conservation District Schlutz Enterprises	Linn and Johnson Co. Extension  Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Meat Science Extension Extension CED Landscape Architecture, IDRO Extension CED Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension CED, CRP Extension Seption of Ag Professor Extension & School of Ag Professor Extension & School of Engineering Extension Director/CIRAS Ag & Finance Field Specialists Ag Field Specialist	OCOM OCOM 166 BCOM BCOM BCOM BCOM PWD PWD BCOM BCOM BCOM BCOM BCOM BCOM BCOM BCOM
Linn County	Linn  166  Louisa	Columbus Junction Grandview Wapello Columbus Junction Columbus Junction Columbus Junction Columbus Junction Columbus Junction Grandview Wapello Morning Sun Morning Sun Louisa County	Columbus Junction  High School Grandview  Wapello  Tyson Foods Translators and Interpreters Columbus Junction  Columbus Junction  High School  Grandview  Wapello  Cloverdale Farms  Lindholm Law Louisa Communications  Soil & Water Conservation District	Linn and Johnson Co. Extension  Landscape Architecture, IDRO CRP Landscape Architecture, IDRO Landscape Architecture, IDRO Meat Science Extension Extension CED Landscape Architecture, IDRO Extension CED Extension CED Extension CED Extension CED, CRP Extension Landscape Architecture, IDRO Landscape Architecture, IDRO Extension School of Ag Professor Extension & School of Ag Professor Extension & School of Engineering Extension Director/CIRAS Ag & Finance Field Specialists	OCOM OCOM 166 BCOM BCOM BCOM BCOM PWD PWD BCOM BCOM BCOM BCOM BCOM BCOM BCOM BCOM

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				Extension Director &	
	Louisa	Morning Sun	Community Betterment	Specialist on Housing Trusts	BCOM
	Louisa	Morning Sun	Indian Hills Golf & Country Club	Extension Director	BCOM
	Louisa	Wapello	Louisa Development Group (Sr. Employment)	Extension Director	BCOM
	Louisa	vvapelio	Esaisa Bevolopinent Group (Sr. Employment)	Extension Field Specialist -	BOOM
	Louisa	Columbus Junction	Tri Rivers Foundation - Columbus Junction	Facilitation	FAC
	Louisa	Morning Sun	Louisa Development Group	Extension Director	FAC
	Louisa	Grandview	Louisa Development Group	Extension Director	FAC
	Louisa	Columbus Junction	Louisa Development Group	Extension Director	FAC
	Louisa	Columbus City	Louisa Development Group	Extension Director	FAC
	Louisa	Letts	Louisa Development Group	Extension Director	FAC
	Louisa	Oakville	Louisa Development Group	Extension Director	FAC
		Fredonia	Louisa Development Group		FAC
	Louisa			Extension Director	FAC
	Louisa	Wapello	ADDS (Alcohol & Drug Dependency Services)	Extension Director	
	Louisa	Louisa County	AEA 16	Extension Director	FAC
	Louisa	Louisa County	InterAgency Group	Extension Director	OCOM
	Louisa	Letts	L&M School	Extension Director	OCOM
	Louisa	Columbus Junction	People's Bank	Extension Director	OCOM
	Louisa	Morning Sun	Ultimate Fitness	Extension Director	OCOM
	Louisa	Wapello	Louisa County Courthouse Employees	Extension Director	OCOM
	Louisa	Louisa County	Louisa County Conservation Board	Extension Director	ОСОМ
	Louisa	Wapello	Southeastern Community College Planning Group	Extension Director	ОСОМ
	Louisa	Wapello	Grimm Brothers Plastics Corp	ISUE-CIRAS	TAC
	Louisa	Wapello	Louisa Co.	CTRE/CP Tech	PWD
	Louisa	Columbus Junction	Southeast Iowa Community Action	ISU Extension	PWD
	Louisa	Morning Sun	Morning Sun Care Center	ISU Extension	PWD
Louisa County	43	Ŭ			43
	Lucas	Chariton	Johnson Manufacturing Company	IPRT Company Assistance- NDE	TAC
	Lucas	Chariton	Chariton Comm School	McNay Research Farm, ISU	ОСОМ
	Lucas	Chariton	Dow Chemical	McNay Research Farm, ISU	FAC
	Lucas	Chariton	Nex-Gen Biofuels, Inc.	Extension CED	BAC
	Lucas	Chariton	Charition - Horizons Project	Families	OCOM
	Lucas	Chariton	Charition - Horizons Project	ISU Extension	OCOM
	Lucas	Chariton	City of Chariton	CTRE/CP Tech	PWD
	Lucas	Chariton	Iowa DOT	CTRE/CP Tech	PWD
	Lucas	Chariton	Lucas Co.	CTRE/CP Tech	PWD
	Lucas	Chariton	Iowa Telecom	Industry Relations	BCOM
				Agricultural Education and	
	Lucas	Chariton	Kent Farm Mangement & Real Estate	Studies	FAC
	Lucas	O Trainton	ADLM Empowerment Board	CD-DIAL - Sociology	OCOM
	Lucus		7.DEW Empowerment Board	Extension	COOM
	Lucas		Lucas - ISU Extension County Office Marketing	CD-DIAL - Sociology	BAC
	Lucus		Surveys	Extension	D/ (O
Lucas County	13		Guiveys	Exterision	13
Lucas County	10			Brenton Ctr for Ag	15
	Lyon	Rock Rapids	Distance Education Students = 3	Instruction	PWD
	Lyon	TOOK Tapius	Lyon County Auditors	Extension CED	OCOM
		Dool Donido	Kids Club Daycare	ISU Extension	PWD
	Lyon	Rock Rapids			
	Lyon	George	Sudenga Industries Inc Legends Manufacturing Inc.	ISUE-CIRAS ISUE-CIRAS	TAC BAC
	Lyon	Rock Rapids	23 election officials certified	CED	OCOM
	Lyon			Lyon & Osceola Extension	OCOM
	Lyon	Book Bonida	Emergency Management Agency		DIMP
	Lyon	Rock Rapids	NW Ia Developers Coalition	Lyon & Occools Extension	BCOM
	Lyon			Lyon & Osceola Extension	
	Lyon		NW Ia Developers Coalition	Lyon & Osceola Extension	FAC
	Lyon		NW Ia Developers Coalition	Lyon & Osceola Extension	OCOM
	Lyon	Deal Deal	Public Health	Lyon Extension	OCOM
	Lyon	Rock Rapids	Lyon Co.	CTRE/CP Tech	PWD
	Lyon	Rock Rapids	Lyon Co. Econ Development	Industry Relations	BCOM
	Lyon	_	23 election officials certified	Extension CED	OCOM
	Lyon	George	Community of George	ISU Extension	PWD
	Lyon	Rock Rapids	Alpha Omega Publishing	ISU Extension	PWD
	Lyon	Rock Rapids	Rosewood Heights	ISU Extension	PWD
	Lyon	Rock Rapids	Sanford Health Wellness Center	ISU Extension	PWD
	10	I			19
Lyon County	19			OBP/ABE (Raman)	PWD
Lyon County	Madison	St Charles	Distance education student - BRT 501		
Lyon County	Madison	St Charles		Brenton Ctr for Ag	
Lyon County			Distance Education Students = 2	Brenton Ctr for Ag Instruction	PWD
Lyon County	Madison	St Charles  Earlham	Distance Education Students = 2	Brenton Ctr for Ag Instruction Brenton Ctr for Ag	
Lyon County	Madison	St Charles	Distance Education Students = 2 Distance Education Students = 4	Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction	PWD
Lyon County	Madison Madison	St Charles  Earlham	Distance Education Students = 2	Brenton Ctr for Ag Instruction Brenton Ctr for Ag	
Lyon County	Madison  Madison  Madison	St Charles  Earlham  Winterset	Distance Education Students = 2 Distance Education Students = 4	Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction	PWD
Lyon County	Madison  Madison  Madison	St Charles  Earlham  Winterset	Distance Education Students = 2 Distance Education Students = 4	Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension	PWD
Lyon County	Madison  Madison  Madison  Madison	St Charles  Earlham  Winterset  Earlham	Distance Education Students = 2  Distance Education Students = 4  LPB	Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Agricultural Education and	PWD PWD
Lyon County	Madison  Madison  Madison  Madison  Madison  Madison	St Charles  Earlham  Winterset  Earlham  Winterset	Distance Education Students = 2  Distance Education Students = 4  LPB  Winterset Community School	Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Agricultural Education and Studies	PWD PWD
Lyon County	Madison  Madison  Madison  Madison  Madison  Madison  Madison	St Charles  Earlham  Winterset  Earlham  Winterset	Distance Education Students = 2  Distance Education Students = 4  LPB  Winterset Community School  Winterset	Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Agricultural Education and Studies Extension CED	PWD PWD FAC PWD
Lyon County	Madison  Madison  Madison  Madison  Madison  Madison  Madison  Madison	St Charles  Earlham  Winterset  Earlham  Winterset	Distance Education Students = 2  Distance Education Students = 4  LPB  Winterset Community School  Winterset County Trustees	Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Agricultural Education and Studies Extension CED Extension CED	PWD PWD FAC PWD TCOM

	Madison	Winterset	Madison County Chamber of Commerce	Madison County Extension	BCOM
				County Office/Communities	
	Madison	Winterset	Township Trustees/County Supervisors	Field Specialist	ОСОМ
	Madison	Winterset	Farm Fresh/Buy Local	County Office	BAC
	Madison	Winterset	Country Haven	ISU Extension	PWD
	Madison	Winterset	Woodmarc Corp	ISUE-CIRAS	TAC
			·	Midwest Grape & Wine	
	Madison	St. Charles	Two Saints Winery	Industry Institute	BAC
	Madison		Madison County	Extension CED	TCOM
	Madison		Rural Development Resource Center: Grow Iowa	Extension CED	BAC/ TCOM/ FAC
			Fund; Wallace Fund; Southwest Iowa Coalition		всом
	Madison		Rural Development Summit	Extension CED	FAC
Madison County	18				1
	Mahaska	Oskaloosa	MidAmerican Energy Company	College of Engineering	PWD
				IPRT Company Assistance-	
	Mahaska	Oskaloosa	Clow Valve Company	Materials	TAC
				IPRT Company Assistance-	
				Technology	
	Mahaska	Eddyville	Ajinomoto	Commercialization	TT
				Agriculture Experiment	
	Mahaska	Eddyville	Ajinomoto USA	Station	TAC
				Brenton Ctr for Ag	
	Mahaska	Oskaloosa	Distance Education Students = 1	Instruction	PWD
	Mahaska	Leighton	Leighton Processd Meats, Inc.	Meat Science Extension	PWD
	Mahaska	New Sharon	LaRue Farm	ISURF	TT
	Mahaska	Oskaloosa	FTE Genetics	ISURF	TT
	Mahaska	Oskaloosa	Crisis Intervention Services, Oskaloosa	Johnson County Extension	PWD
	Mahaska		Mark Moore Farm	Extension/Iowa Beef Center	TAC
	Mahaska	Oskalossa	Stam Greenhouse	ISU Extension	PWD
	Mahaska	Oskaloosa	Great Expectations	ISU Extension	PWD
	Mahaska	Oskaloosa	Spaghetti's	ISU Extension	PWD
	Mahaska	New Sharon	DeJong Manufacturing Inc	ISUE-CIRAS	FAC
	Mahaska	Oskaloosa	City of Oskaloosa	CTRE/CP Tech	PWD
	Mahaska	Oskaloosa	Garden & Associates, Ltd.	CTRE/CP Tech	PWD
	Mahaska	Oskaloosa	Mahaska Co.	CTRE/CP Tech	PWD
	Mahaska	Oskaloosa	Mahaska County Secondary Roads	CTRE/CP Tech	PWD
			Mahaska County Agricultural and Rural		
	Mahaska	Oskaloosa	Development	Industry Relations	BCOM
			·	Midwest Grape & Wine	
	Mahaska	Oskaloosa	Moon Valley Vineyards	Industry Institute	BAC
			, ,	Midwest Grape & Wine	
	Mahaska	Leighton	Tassel Ridge Winerry	Industry Institute	PWD
				Midwest Grape & Wine	
	Mahaska	Beacon	Verschuure Vineyards	Industry Institute	TAC
	Mahaska		Mahaska County tourism	Extension CED	FAC
	Mahaska		United Way of Mahaska County	CD-DIAL - Sociology	OCOM
				Extension	
Mahaska County	24				24
	Marion	Pella	Fleenor Manufacturing	OIPTT	FAC
	Marion	Pella	Pella Corporation	College of Business	FAC
	Marion	Pella	Board of Adjustment	CRP	TCOM
	Marion	Pella	Zoning Administrator	CRP	TCOM
				Center for Physical and	
				Computational Mathematics,	
	Marion	Knoxville	Lee McClune, Sorganol Start-up	IPRT	TAC
				IPRT Company Assistance-	
	Marion	Pella	Pella Corporation	Materials	TAC
				IPRT Company Assistance-	
	Marion	Pella	Vermeer Manufacturing Company	Materials	TAC
				IPRT Company Assistance-	
				Technology	
		1	Della Camanatian	Commercialization	TT
	Marion	Pella	Pella Corporation		
	Marion Marion	Pella Pella	Central College	Families Extension	OCOM
					ОСОМ
				Families Extension	OCOM PWD
	Marion	Pella	Central College	Families Extension Brenton Ctr for Ag	
	Marion	Pella	Central College	Families Extension Brenton Ctr for Ag Instruction	
	Marion Marion	Pella Columbia	Central College  Distance Education Students = 1	Families Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag	PWD
	Marion Marion	Pella Columbia	Central College  Distance Education Students = 1	Families Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction	PWD
	Marion  Marion  Marion	Pella Columbia Pleasantville	Central College  Distance Education Students = 1  Distance Education Students = 1	Families Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag	PWD PWD
	Marion  Marion  Marion	Pella Columbia Pleasantville Pella	Central College  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 11	Families Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag	PWD PWD
	Marion  Marion  Marion  Marion  Marion	Pella Columbia Pleasantville Pella Knoxville	Central College  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 11  Distance Education Students = 6	Families Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction	PWD PWD PWD
	Marion  Marion  Marion  Marion  Marion  Marion  Marion	Pella Columbia Pleasantville Pella Knoxville Pella	Central College  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 11  Distance Education Students = 6  In't Veld's Meat Market	Families Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension	PWD PWD PWD PWD
	Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion	Pella Columbia Pleasantville Pella Knoxville Pella Melcher	Central College  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 11  Distance Education Students = 6  In't Veld's Meat Market  Northcote Meats	Families Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension	PWD PWD PWD PWD PWD PWD
	Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion	Pella Columbia Pleasantville Pella Knoxville Pella Melcher Melcher	Central College  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 11  Distance Education Students = 6 In't Veld's Meat Market Northcote Meats Northwood Foods	Families Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension Meat Science Extension	PWD PWD PWD PWD PWD PWD PWD PWD
	Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion	Pella Columbia Pleasantville Pella Knoxville Pella Melcher Melcher Pella	Central College  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 11  Distance Education Students = 6 In't Veld's Meat Market Northcote Meats Northwood Foods Pella	Families Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension Meat Science Extension ABE	PWD PWD PWD PWD PWD PWD PWD PWD TAC
	Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion	Pella Columbia Pleasantville Pella Knoxville Pella Melcher Melcher	Central College  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 11  Distance Education Students = 6 In't Veld's Meat Market Northcote Meats Northwood Foods	Families Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension Meat Science Extension ABE CCUR	PWD PWD PWD PWD PWD PWD PWD PWD
	Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion	Pella Columbia Pleasantville Pella Knoxville Pella Melcher Melcher Pella Pella	Central College  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 11  Distance Education Students = 6  In't Veld's Meat Market Northcote Meats Northwood Foods Pella Pella Corp.	Families Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension ABE CCUR Brenton Ctr for Ag	PWD PWD PWD PWD PWD PWD PWD TAC FAC, TAC
	Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion  Marion	Pella Columbia Pleasantville Pella Knoxville Pella Melcher Melcher Pella	Central College  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 11  Distance Education Students = 6 In't Veld's Meat Market Northcote Meats Northwood Foods Pella	Families Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension Meat Science Extension ABE CCUR	PWD PWD PWD PWD PWD PWD PWD PWD TAC

Marion   Pella   PSECA Distance Education Students = 7   Instruction   PWD			I		December Cts for As	
Marson Pelis Unron Meet Munical Meet Science Empirical PVO Marson ASE 1142 (142) Marson		Marian	Delle	DCEOA Distance Education Students - 7	Brenton Ctr for Ag	DWD
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Marshall         Marshall Marshalltown         Distance Education Students = 3         Instruction         PWD           Marshall         Marshalltown         JBS Swift and Company         SEU - CDFIN         TAC           Marshall         Marshalltown         Marshalltown Community College         EEOB - Debinski         OCOM           Marshall         Marshalltown         PSEOA Distance Education Students = 1         Instruction         PWD           Marshall         Marshall Marshalltown         PSEOA Distance Education Students = 1         Instruction         PWD           Marshall         Mater Center         Sedlacek Wholesal Meat Co         Meat Science Extension         PWD           Marshall         State Center         State Center Locker, Inc.         Meat Science Extension         PWD           Marshall         State Center         Eden Natural Pork         Studies         FAC           Marshall         Marshalltown         JBS Swift and Company         SEU - CDFIN         TAC           Marshall         Marshalltown         Juvenile Court Services         Extension CED         PWD           Marshall         Marshalltown         Chamber of Commerce, Ag Task Force         ISU Extension, Marshall         OCOM           Marshall         Marshalltown         Chamber of Commerce, Intergovernmenta	marion County	Marshall Marshall Marshall Marshall Marshall Marshall Marshall	Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown	Fisher Controls Lennox Industries Fisher Controls Emerson Process Management TIG Distributing Mechdyne	College of Business College of Engineering College of Engineering IPRT Company Assistance- Materials Virtual Reality Applications Center, IPRT Brenton Ctr for Ag Instruction	BAC FAC PWD PWD TAC FAC, TAC
Marshall         Marshall Marshalltown         Distance Education Students = 3         Instruction         PWD           Marshall         Marshalltown         JBS Swift and Company         SEU - CDFIN         TAC           Marshall         Marshalltown         Marshalltown Community College         EEOB - Debinski         OCOM           Marshall         Marshalltown         PSEOA Distance Education Students = 1         Instruction         PWD           Marshall         Marshall Marshalltown         PSEOA Distance Education Students = 1         Instruction         PWD           Marshall         Mater Center         Sedlacek Wholesal Meat Co         Meat Science Extension         PWD           Marshall         State Center         State Center Locker, Inc.         Meat Science Extension         PWD           Marshall         State Center         Eden Natural Pork         Studies         FAC           Marshall         Marshalltown         JBS Swift and Company         SEU - CDFIN         TAC           Marshall         Marshalltown         Juvenile Court Services         Extension CED         PWD           Marshall         Marshalltown         Chamber of Commerce, Ag Task Force         ISU Extension, Marshall         OCOM           Marshall         Marshalltown         Chamber of Commerce, Intergovernmenta	marion County	Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall	Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown	Fisher Controls Lennox Industries Fisher Controls Emerson Process Management TIG Distributing Mechdyne Distance Education Students = 1	College of Business College of Engineering College of Engineering IPRT Company Assistance- Materials Virtual Reality Applications Center, IPRT Brenton Ctr for Ag Instruction Brenton Ctr for Ag	BAC FAC PWD PWD PWD TAC FAC, TAC
Marshall         Marshalltown         JBS Swift and Company         SEU - CDFIN         TAC           Marshall         Marshalltown         Marshalltown Community College         EEOB - Debinski         OCOM           Marshall         Marshalltown         PSEOA Distance Education Students = 1         Brenton Cir for Ag         Instruction         PWD           Marshall         Melobourne         Sedlacek Wholesal Meat Co         Meat Science Extension         PWD           Marshall         State Center         State Center Locker, Inc.         Meat Science Extension         PWD           Marshall         Marshall Marshalltown         JBS Swift and Company         SEU - CDFIN         TAC           Marshall         Marshall Marshalltown         JBS Swift and Company         SEU - CDFIN         TAC           Marshall         Marshall County Auditors         Extension CED         PWD           Marshall         Marshall Marshalltown         Chamber of Commerce, Ag Task Force         ISU Extension, Marshall         OCOM           Marshall         Marshalltown         Chamber of Commerce, Intergovernmental Group         ISU Extension, Marshall         OCOM           Marshall         Marshalltown         Community Service Network Consortium         ISU Extension, Marshall         OCOM           Marshall         Marshal	marion County	Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall	Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown	Fisher Controls Lennox Industries Fisher Controls Emerson Process Management TIG Distributing Mechdyne Distance Education Students = 1	College of Business College of Engineering College of Engineering College of Engineering IPRT Company Assistance- Materials Virtual Reality Applications Center, IPRT Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction	BAC FAC PWD PWD TAC FAC, TAC PWD
Marshall         Marshalltown         Marshalltown Community College         EEOB - Debinski         OCOM           Marshall         Marshall Marshalltown         PSEOA Distance Education Students = 1         Instruction         PWD           Marshall         Melourne         Sedlacek Wholesal Meat Co         Meat Science Extension         PWD           Marshall         State Center         State Center Locker, Inc.         Meat Science Extension         PWD           Marshall         State Center         Eden Natural Pork         Agricultural Education and Studies         FAC           Marshall         Marshall Count Services         Extension CED         PWD           Marshall         Marshall County Auditors         Extension CED         PWD           Marshall         Marshall County Auditors         Extension CED         OCOM           Marshall         Marshall County Auditors         Extension CED         OCOM           Marshall         Marshall County Auditors         Extension CED         OCOM           Marshall         Marshall County Auditors         ISU Extension, Marshall         OCOM           Marshall         Marshall County Auditors         ISU Extension, Marshall         OCOM           Marshall         Marshalltown         Chamber of Commerce, Intergovernmental Group         ISU	marion County	Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall	Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown State Center	Fisher Controls Lennox Industries Fisher Controls Emerson Process Management TIG Distributing Mechdyne Distance Education Students = 1 Distance Education Students = 1	College of Business College of Engineering College of Engineering College of Engineering IPRT Company Assistance- Materials Virtual Reality Applications Center, IPRT Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag	BAC FAC PWD PWD TAC FAC, TAC PWD
Marshall   Marshalltown   PSEOA Distance Education Students = 1   Instruction   PWD	marion County	Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall	Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown State Center Marshalltown	Fisher Controls Lennox Industries Fisher Controls Emerson Process Management  TIG Distributing  Mechdyne  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 3  JBS Swift and Company	College of Business College of Engineering College of Engineering IPRT Company Assistance- Materials Virtual Reality Applications Center, IPRT Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction	BAC FAC PWD PWD TAC FAC, TAC PWD PWD
Marshall         Marshall Melbourne         PSEOA Distance Education Students = 1         Instruction         PWD           Marshall         Melbourne         Sedlacek Wholesal Meat Co         Meat Science Extension         PWD           Marshall         State Center         State Center Locker, Inc.         Meat Science Extension         PWD           Marshall         Agricultural Education and Studies         FAC           Marshall         Marshall Marshalltown         Juvenile Court Services         Extension CED         PWD           Marshall         Marshall County Auditors         Extension CED         OCOM           Marshall         Marshall County Auditors         Extension CED         OCOM           Marshall         Marshalltown         Chamber of Commerce, Ag Task Force         ISU Extension, Marshall         OCOM           Marshall         Marshalltown         Chamber of Commerce, Intergovernmental Group         ISU Extension, Marshall         OCOM           Marshall         Marshalltown         Community Service Network Consortium         ISU Extension, Marshall         OCOM           Marshall         Marshalltown         City of Marshalltown, Parks and Recreation         ISU Extension, Marshall         OCOM           Marshall         Marshalltown         Child Care Providers, Independent Businesses         ISU Exten	marion County	Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall	Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown	Fisher Controls Lennox Industries Fisher Controls Emerson Process Management  TIG Distributing  Mechdyne  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 3  JBS Swift and Company	College of Business College of Engineering College of Engineering IPRT Company Assistance- Materials Virtual Reality Applications Center, IPRT Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction SEU - CDFIN	BAC FAC PWD PWD TAC FAC, TAC PWD PWD PWD TAC
Marshall         Melbourne         Sedlacek Wholesal Meat Co         Meat Science Extension         PWD           Marshall         State Center         State Center Locker, Inc.         Meat Science Extension         PWD           Marshall         State Center         Eden Natural Pork         Studies         FAC           Marshall         Marshalltown         JBS Swift and Company         SEU - CDFIN         TAC           Marshall         Marshalltown         Juvenile Court Services         Extension CED         PWD           Marshall         Marshall County Auditors         Extension CED         OCOM           Marshall         Marshall County Auditors         ISU Extension, Marshall         OCOM           Marshall         Marshalltown         Chamber of Commerce, Ag Task Force         ISU Extension, Marshall         OCOM           Marshall         Marshalltown         Chamber of Commerce, Intergovernmental Group         ISU Extension, Marshal	marion County	Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall	Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown	Fisher Controls Lennox Industries Fisher Controls Emerson Process Management TIG Distributing Mechdyne Distance Education Students = 1 Distance Education Students = 1 Distance Education Students = 3 JBS Swift and Company Marshalltown Community College	College of Business College of Engineering College of Engineering College of Engineering IPRT Company Assistance- Materials Virtual Reality Applications Center, IPRT Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Serenton Ctr for Ag Instruction Serenton Ctr for Ag Instruction Serenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction SEU - CDFIN EEOB - Debinski	BAC FAC PWD PWD TAC FAC, TAC PWD PWD TAC FAC, TAC PWD PWD TAC OCOM
Marshall State Center State Center Locker, Inc. Meat Science Extension PWD  Marshall State Center Eden Natural Pork Studies FAC  Marshall Marshalltown JBS Swift and Company SEU - CDFIN TAC  Marshall Marshalltown Juvenile Court Services Extension CED PWD  Marshall Marshalltown Marshall County Auditors Extension CED OCOM  Marshall Marshalltown Chamber of Commerce, Ag Task Force ISU Extension, Marshall OCOM  Marshall Marshalltown Chamber of Commerce, Intergovernmental Group ISU Extension, Marshall OCOM  Marshall Marshalltown Community Service Network Consortium ISU Extension, Marshall OCOM  Marshall Marshalltown City of Marshalltown, Parks and Recreation ISU Extension, Marshall OCOM  Marshall Marshalltown Child Care Providers, Independent Businesses ISU Extension, Marshall BCOM  Marshall Marshalltown EMBARC, entrepreneurial consortium ISU Extension, Marshall BCOM  Marshall Marshalltown EMBARC, entrepreneurial consortium ISU Extension, Marshall BAC  Marshall Marshalltown Fisher Controls ISU Extension PWD  Marshall Marshalltown Child Care Providers  Marshall Marshalltown PWD  Marshall Marshalltown Child Care Providers  Marshall Marshalltown PWD  Marshall Marshalltown Child Care Providers  Marshall Marshalltown PWD  Marshall Marshalltown Applebee's of Marshalltown ISU Extension PWD  Marshall Marshalltown Applebee's of Marshalltown ISU Extension PWD  Marshall Marshalltown Bonanza ISU Extension PWD  Marshall Marshalltown Bonanza ISU Extension PWD  Marshall Marshalltown Bonanza ISU Extension PWD  Marshall Marshalltown Hardee's ISU Extension PWD	marion County	Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall	Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown	Fisher Controls Lennox Industries Fisher Controls Emerson Process Management TIG Distributing Mechdyne Distance Education Students = 1 Distance Education Students = 1 Distance Education Students = 3 JBS Swift and Company Marshalltown Community College	College of Business College of Engineering College of Engineering College of Engineering IPRT Company Assistance- Materials Virtual Reality Applications Center, IPRT Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction SEU - CDFIN EEOB - Debinski Brenton Ctr for Ag	BAC FAC PWD PWD TAC FAC, TAC PWD PWD TAC FAC, TAC PWD PWD TAC OCOM
Marshall State Center Eden Natural Pork Studies FAC  Marshall Marshalltown JBS Swift and Company SEU - CDFIN TAC  Marshall Marshalltown Juvenile Court Services Extension CED PWD  Marshall Marshalltown Marshall County Auditors Extension CED OCOM  Marshall Marshalltown Chamber of Commerce, Ag Task Force ISU Extension, Marshall OCOM  Marshall Marshalltown Chamber of Commerce, Intergovernmental Group ISU Extension, Marshall OCOM  Marshall Marshalltown Community Service Network Consortium ISU Extension, Marshall OCOM  Marshall Marshalltown City of Marshalltown, Parks and Recreation ISU Extension, Marshall OCOM  Marshall Marshalltown Child Care Providers, Independent Businesses ISU Extension, Marshall PWD  Marshall Marshalltown Marshall County, elections/auditors office ISU Extension, Marshall BCOM  Marshall Marshalltown EMBARC, entrepreneurial consortium ISU Extension, Marshall BAC  Marshall Marshalltown Fisher Controls ISU Extension PWD  Lighten Up lowa-Public Health, Many businesses,  Marshall Marshalltown Child Care Providers ISU Extension PWD  Marshall Marshalltown Child Care Providers ISU Extension PWD  Marshall Marshalltown Applebee's of Marshalltown ISU Extension PWD  Marshall Marshalltown Applebee's of Marshalltown ISU Extension PWD  Marshall Marshalltown Applebee's of Marshalltown ISU Extension PWD  Marshall Marshalltown Applebee's of Marshalltown ISU Extension PWD  Marshall Marshalltown Applebee's of Marshalltown ISU Extension PWD  Marshall Marshalltown Hardee's ISU Extension PWD	marion County	Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall	Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown	Fisher Controls Lennox Industries Fisher Controls Emerson Process Management TIG Distributing Mechdyne Distance Education Students = 1 Distance Education Students = 1 Distance Education Students = 3 JBS Swift and Company Marshalltown Community College PSEOA Distance Education Students = 1	College of Business College of Engineering College of Engineering College of Engineering IPRT Company Assistance- Materials Virtual Reality Applications Center, IPRT Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction SEU - CDFIN EEOB - Debinski Brenton Ctr for Ag Instruction Ctr for Ag Instruction	BAC FAC PWD PWD TAC FAC, TAC PWD PWD PWD PWD PWD PWD PWD PWD PWD TAC OCOM PWD
Marshall     State Center     Eden Natural Pork     Studies     FAC       Marshall     Marshalltown     JBS Swift and Company     SEU - CDFIN     TAC       Marshall     Marshalltown     Juvenile Court Services     Extension CED     PWD       Marshall     Marshall County Auditors     Extension CED     OCOM       Marshall     Marshalltown     Chamber of Commerce, Ag Task Force     ISU Extension, Marshall     OCOM       Marshall     Marshalltown     Chamber of Commerce, Intergovernmental Group     ISU Extension, Marshall     OCOM       Marshall     Marshalltown     Community Service Network Consortium     ISU Extension, Marshall     OCOM       Marshall     Marshalltown     Child Care Providers, Independent Businesses     ISU Extension, Marshall     PWD       Marshall     Marshalltown     Marshall County, elections/auditors office     ISU Extension, Marshall     BCOM       Marshall     Marshalltown     EMBARC, entrepreneurial consortium     ISU Extension, Marshall     BAC       Marshall     Marshalltown     Fisher Controls     ISU Extension     PWD       Marshall     Marshalltown     Hy-Vee     ISU Extension     PWD       Marshall     Marshalltown     Child Care Providers     ISU Extension     PWD       Marshall     Marshalltown     Applebee's of Mar	marion County	Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall	Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Melbourne	Fisher Controls Lennox Industries Fisher Controls Emerson Process Management  TIG Distributing  Mechdyne  Distance Education Students = 1  Distance Education Students = 3  JBS Swift and Company Marshalltown Community College  PSEOA Distance Education Students = 1  Sedlacek Wholesal Meat Co	College of Business College of Engineering College of Engineering IPRT Company Assistance- Materials Virtual Reality Applications Center, IPRT Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction SEU - CDFIN EEOB - Debinski Brenton Ctr for Ag Instruction SEU - CDFIN EEOB - Debinski Brenton Ctr for Ag Instruction	BAC FAC PWD PWD TAC FAC, TAC PWD PWD TAC PWD PWD PWD PWD TAC PWD PWD TAC OCOM PWD PWD
Marshall     Marshalltown     JBS Swift and Company     SEU - CDFIN     TAC       Marshall     Marshalltown     Juvenile Court Services     Extension CED     PWD       Marshall     Marshall     Marshall County Auditors     Extension CED     OCOM       Marshall     Marshalltown     Chamber of Commerce, Ag Task Force     ISU Extension, Marshall     OCOM       Marshall     Marshalltown     Chamber of Commerce, Intergovernmental Group     ISU Extension, Marshall     OCOM       Marshall     Marshalltown     Community Service Network Consortium     ISU Extension, Marshall     OCOM       Marshall     Marshalltown     Child Care Providers, Independent Businesses     ISU Extension, Marshall     OCOM       Marshall     Marshalltown     Marshall County, elections/auditors office     ISU Extension, Marshall     BCOM       Marshall     Marshalltown     EMBARC, entrepreneurial consortium     ISU Extension, Marshall     BAC       Marshall     Marshalltown     Fisher Controls     ISU Extension     PWD       Marshall     Marshalltown     Py-Vee     ISU Extension     PWD       Marshall     Marshalltown     Child Care Providers     ISU Extension     PWD       Marshall     Marshalltown     Applebee's of Marshalltown     ISU Extension     PWD       Marshall     Marsh	marion County	Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall	Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Melbourne	Fisher Controls Lennox Industries Fisher Controls Emerson Process Management  TIG Distributing  Mechdyne  Distance Education Students = 1  Distance Education Students = 3  JBS Swift and Company Marshalltown Community College  PSEOA Distance Education Students = 1  Sedlacek Wholesal Meat Co	College of Business College of Engineering College of Engineering College of Engineering IPRT Company Assistance- Materials Virtual Reality Applications Center, IPRT Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction MEU - CDFIN EEOB - Debinski Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension	BAC FAC PWD PWD TAC FAC, TAC PWD PWD TAC PWD PWD PWD PWD TAC PWD PWD TAC OCOM PWD PWD
Marshall         Marshall town         Juvenile Court Services         Extension CED         PWD           Marshall         Marshall County Auditors         Extension CED         OCOM           Marshall         Marshall County Auditors         Extension CED         OCOM           Marshall         Marshall town         Chamber of Commerce, Ag Task Force         ISU Extension, Marshall         OCOM           Marshall         Marshalltown         Chamber of Commerce, Intergovernmental Group         ISU Extension, Marshall         OCOM           Marshall         Marshalltown         Community Service Network Consortium         ISU Extension, Marshall         OCOM           Marshall         Marshalltown         City of Marshalltown, Parks and Recreation         ISU Extension, Marshall         OCOM           Marshall         Marshalltown         Child Care Providers, Independent Businesses         ISU Extension, Marshall         PWD           Marshall         Marshalltown         Marshall County, elections/auditors office         ISU Extension, Marshall         BCOM           Marshall         Marshalltown         EMBARC, entrepreneurial consortium         ISU Extension, Marshall         BAC           Marshall         Marshalltown         Fisher Controls         ISU Extension         PWD           Marshall         Marshalltown	marion County	Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall Marshall	Marshalltown Marshalltown	Fisher Controls Lennox Industries Fisher Controls Emerson Process Management TIG Distributing Mechdyne Distance Education Students = 1 Distance Education Students = 1 Distance Education Students = 3 JBS Swift and Company Marshalltown Community College PSEOA Distance Education Students = 1 Sedlacek Wholesal Meat Co State Center Locker, Inc.	College of Business College of Engineering College of Engineering College of Engineering IPRT Company Assistance- Materials Virtual Reality Applications Center, IPRT Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction SEU - CDFIN EEOB - Debinski Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension Agricultural Education and	BAC FAC PWD PWD TAC FAC, TAC PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Marshall         Marshall County Auditors         Extension CED         OCOM           Marshall         Marshall town         Chamber of Commerce, Ag Task Force         ISU Extension, Marshall         OCOM           Marshall         Marshalltown         Chamber of Commerce, Intergovernmental Group         ISU Extension, Marshall         OCOM           Marshall         Marshalltown         Community Service Network Consortium         ISU Extension, Marshall         OCOM           Marshall         Marshalltown         City of Marshalltown, Parks and Recreation         ISU Extension, Marshall         OCOM           Marshall         Marshalltown         Child Care Providers, Independent Businesses         ISU Extension, Marshall         PWD           Marshall         Marshalltown         Marshall County, elections/auditors office         ISU Extension, Marshall         BCOM           Marshall         Marshalltown         Marshall County, elections/auditors office         ISU Extension, Marshall         BCOM           Marshall         Marshalltown         Marshall County, elections/auditors office         ISU Extension, Marshall         BCOM           Marshall         Marshalltown         EMBARC, entrepreneurial consortium         ISU Extension, Marshall         BAC           Marshall         Marshalltown         Fisher Controls         ISU Extension	marion County	Marshall Marshall	Marshalltown Marshalltown	Fisher Controls Lennox Industries Fisher Controls Emerson Process Management TIG Distributing Mechdyne Distance Education Students = 1 Distance Education Students = 1 Distance Education Students = 3 JBS Swift and Company Marshalltown Community College PSEOA Distance Education Students = 1 Sedlacek Wholesal Meat Co State Center Locker, Inc.	College of Business College of Engineering College of Engineering College of Engineering IPRT Company Assistance- Materials Virtual Reality Applications Center, IPRT Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction MEEOB - Debinski Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension Agricultural Education and Studies	BAC FAC PWD PWD TAC FAC, TAC PWD PWD PWD PWD PWD FAC FAC, TAC PWD PWD TAC FAC FAC FAC FAC FAC FAC FAC FAC FAC F
Marshall         Marshalltown         Chamber of Commerce, Ag Task Force         ISU Extension, Marshall         OCOM           Marshall         Marshalltown         Chamber of Commerce, Intergovernmental Group         ISU Extension, Marshall         OCOM           Marshall         Marshalltown         Community Service Network Consortium         ISU Extension, Marshall         OCOM           Marshall         Marshalltown         City of Marshalltown, Parks and Recreation         ISU Extension, Marshall         OCOM           Marshall         Marshalltown         Child Care Providers, Independent Businesses         ISU Extension, Marshall         PWD           Marshall         Marshalltown         Marshall County, elections/auditors office         ISU Extension, Marshall         BCOM           Marshall         Marshalltown         EMBARC, entrepreneurial consortium         ISU Extension, Marshall         BAC           Marshall         Marshalltown         Fisher Controls         ISU Extension         PWD           Lighten Up Iowa-Public Health, Many businesses,         ISU Extension         PWD           Marshall         Marshalltown         Child Care Providers         ISU Extension         PWD           Marshall         Marshalltown         Applebee's of Marshalltown         ISU Extension         PWD           Marshall <td< td=""><td>marion County</td><td>Marshall Marshall /td><td>Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Rhodes State Center Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown</td><td>Fisher Controls Lennox Industries Fisher Controls Emerson Process Management TIG Distributing  Mechdyne  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 3  JBS Swift and Company Marshalltown Community College  PSEOA Distance Education Students = 1  Sedlacek Wholesal Meat Co State Center Locker, Inc.  Eden Natural Pork JBS Swift and Company</td><td>College of Business College of Engineering College of Engineering College of Engineering IPRT Company Assistance- Materials Virtual Reality Applications Center, IPRT Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction SEU - CDFIN EEOB - Debinski Brenton Ctr for Ag Instruction Agricultural Education Ag Instruction SEU - CDFIN Agricultural Education Agricultural Education Meat Science Extension Agricultural Education and Studies SEU - CDFIN</td><td>BAC FAC PWD PWD TAC FAC, TAC PWD PWD TAC PWD PWD TAC PWD FAC, TAC PWD FAC TAC OCOM PWD PWD FAC TAC TAC</td></td<>	marion County	Marshall Marshall	Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Rhodes State Center Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown	Fisher Controls Lennox Industries Fisher Controls Emerson Process Management TIG Distributing  Mechdyne  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 3  JBS Swift and Company Marshalltown Community College  PSEOA Distance Education Students = 1  Sedlacek Wholesal Meat Co State Center Locker, Inc.  Eden Natural Pork JBS Swift and Company	College of Business College of Engineering College of Engineering College of Engineering IPRT Company Assistance- Materials Virtual Reality Applications Center, IPRT Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction SEU - CDFIN EEOB - Debinski Brenton Ctr for Ag Instruction Agricultural Education Ag Instruction SEU - CDFIN Agricultural Education Agricultural Education Meat Science Extension Agricultural Education and Studies SEU - CDFIN	BAC FAC PWD PWD TAC FAC, TAC PWD PWD TAC PWD PWD TAC PWD FAC, TAC PWD FAC TAC OCOM PWD PWD FAC TAC TAC
Marshall     Marshalltown     Chamber of Commerce, Intergovernmental Group     ISU Extension, Marshall     OCOM       Marshall     Marshalltown     Community Service Network Consortium     ISU Extension, Marshall     OCOM       Marshall     Marshalltown     City of Marshalltown, Parks and Recreation     ISU Extension, Marshall     OCOM       Marshall     Marshalltown     Child Care Providers, Independent Businesses     ISU Extension, Marshall     PWD       Marshall     Marshalltown     Marshall County, elections/auditors office     ISU Extension, Marshall     BCOM       Marshall     Marshalltown     EMBARC, entrepreneurial consortium     ISU Extension, Marshall     BAC       Marshall     Marshalltown     Fisher Controls     ISU Extension     PWD       Marshall     Marshalltown     Hy-Vee     ISU Extension     PWD       Marshall     Marshalltown     Child Care Providers     ISU Extension     PWD       Marshall     Marshalltown     Applebee's of Marshalltown     ISU Extension     PWD       Marshall     Marshalltown     Bonanza     ISU Extension     PWD       Marshall     Marshalltown     Hardee's     ISU Extension     PWD	marion County	Marshall Marshall	Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Rhodes State Center Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown Marshalltown	Fisher Controls Lennox Industries Fisher Controls Emerson Process Management TIG Distributing Mechdyne Distance Education Students = 1 Distance Education Students = 1 Distance Education Students = 3 JBS Swift and Company Marshalltown Community College PSEOA Distance Education Students = 1 Sedlacek Wholesal Meat Co State Center Locker, Inc. Eden Natural Pork JBS Swift and Company Juvenile Court Services	College of Business College of Engineering College of Engineering College of Engineering IPRT Company Assistance- Materials Virtual Reality Applications Center, IPRT Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension Agricultural Education and Studies SEU - CDFIN Extension CED Extension CED	BAC FAC PWD PWD PWD PWD TAC FAC, TAC PWD PWD PWD PWD FAC TAC OCOM PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
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Marshall     Marshalltown     Child Care Providers, Independent Businesses     ISU Extension, Marshall     PWD       Marshall     Marshalltown     Marshall County, elections/auditors office     ISU Extension, Marshall     BCOM       Marshall     Marshalltown     EMBARC, entrepreneurial consortium     ISU Extension, Marshall     BAC       Marshall     Marshalltown     Fisher Controls     ISU Extension     PWD       Lighten Up Iowa-Public Health, Many businesses, Hy-Vee     ISU Extension     PWD       Marshall     Marshalltown     Child Care Providers     ISU Extension     PWD       Marshall     Marshalltown     Applebee's of Marshalltown     ISU Extension     PWD       Marshall     Marshalltown     Bonanza     ISU Extension     PWD       Marshall     Marshalltown     Hardee's     ISU Extension     PWD	marion County	Marshall Marshall	Marshalltown Marshalltown	Fisher Controls Lennox Industries Fisher Controls Emerson Process Management TIG Distributing  Mechdyne  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 3  JBS Swift and Company Marshalltown Community College  PSEOA Distance Education Students = 1  Sedlacek Wholesal Meat Co State Center Locker, Inc.  Eden Natural Pork JBS Swift and Company Juvenile Court Services Marshall County Auditors Chamber of Commerce, Ag Task Force Chamber of Commerce, Intergovernmental Group	College of Business College of Engineering College of Engineering College of Engineering IPRT Company Assistance- Materials Virtual Reality Applications Center, IPRT Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction SEU - CDFIN EEOB - Debinski Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension Agricultural Education and Studies SEU - CDFIN Extension CED Extension CED Extension CED Extension, Marshall ISU Extension, Marshall	BAC FAC PWD PWD TAC FAC, TAC PWD TAC PWD TAC PWD TAC OCOM PWD PWD FAC TAC PWD PWD PWD PWD PWD PWD FAC TAC TAC PWD OCOM OCOM
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	marion County	Marshall Marshall	Marshalltown Marshalltown	Fisher Controls Lennox Industries Fisher Controls Emerson Process Management TIG Distributing Mechdyne Distance Education Students = 1 Distance Education Students = 1 Distance Education Students = 3 JBS Swift and Company Marshalltown Community College PSEOA Distance Education Students = 1 Sedlacek Wholesal Meat Co State Center Locker, Inc. Eden Natural Pork JBS Swift and Company Juvenile Court Services Marshall County Auditors Chamber of Commerce, Ag Task Force Chamber of Commerce, Intergovernmental Group Community Service Network Consortium City of Marshalltown, Parks and Recreation Child Care Providers, Independent Businesses Marshall County, elections/auditors office EMBARC, entrepreneurial consortium Fisher Controls Lighten Up Iowa-Public Health, Many businesses, Hy-Vee Child Care Providers Applebee's of Marshalltown	College of Business College of Engineering College of Engineering College of Engineering IPRT Company Assistance- Materials Virtual Reality Applications Center, IPRT Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Agricultural Education and Studies SEU - CDFIN Extension CED Extension CED Extension CED ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension	BAC FAC PWD PWD PWD TAC FAC, TAC PWD PWD TAC  PWD PWD TAC  PWD TAC  PWD TAC  OCOM PWD PWD FAC TAC PWD PWD PWD FAC TAC PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
	marion County	Marshall Marshall	Marshalltown Marshalltown	Fisher Controls Lennox Industries Fisher Controls Emerson Process Management TIG Distributing  Mechdyne  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 3  JBS Swift and Company Marshalltown Community College  PSEOA Distance Education Students = 1  Sedlacek Wholesal Meat Co State Center Locker, Inc.  Eden Natural Pork JBS Swift and Company Juvenile Court Services Marshall County Auditors Chamber of Commerce, Ag Task Force Chamber of Commerce, Intergovernmental Group Community Service Network Consortium City of Marshalltown, Parks and Recreation Child Care Providers, Independent Businesses Marshall County, elections/auditors office EMBARC, entrepreneurial consortium Fisher Controls  Lighten Up Iowa-Public Health, Many businesses, Hy-Vee Child Care Providers Applebee's of Marshalltown Bonanza	College of Business College of Engineering College of Engineering College of Engineering IPRT Company Assistance- Materials Virtual Reality Applications Center, IPRT Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction SEU - CDFIN EEOB - Debinski Brenton Ctr for Ag Instruction Meat Science Extension Mea	BAC FAC PWD PWD PWD TAC FAC, TAC PWD TAC PWD TAC OCOM PWD PWD FAC TAC TAC PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Marshall Marshalltown Lennox Manufacturing ISUE-CIRAS TAC	marion County	Marshall Marshall	Marshalltown Marshalltown	Fisher Controls Lennox Industries Fisher Controls Emerson Process Management TIG Distributing  Mechdyne  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 3  JBS Swift and Company Marshalltown Community College  PSEOA Distance Education Students = 1  Sedlacek Wholesal Meat Co State Center Locker, Inc.  Eden Natural Pork JBS Swift and Company Juvenile Court Services Marshall County Auditors Chamber of Commerce, Ag Task Force Chamber of Commerce, Intergovernmental Group Community Service Network Consortium City of Marshalltown, Parks and Recreation Child Care Providers, Independent Businesses Marshall County, elections/auditors office EMBARC, entrepreneurial consortium Fisher Controls Lighten Up Iowa-Public Health, Many businesses, Hy-Vee Child Care Providers Applebee's of Marshalltown Bonanza Hardee's	College of Business College of Engineering College of Engineering College of Engineering College of Engineering IPRT Company Assistance- Materials Virtual Reality Applications Center, IPRT Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction SEU - CDFIN EEOB - Debinski Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension ISU Extension CED Extension CED Extension CED Extension CED ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension, Marshall ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension	BAC FAC PWD PWD TAC FAC, TAC PWD TAC PWD TAC OCOM PWD PWD PWD FAC TAC TAC PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD

	Marshall	Marshalltown	Lennox Manufacturing	ISUE-CIRAS	TAC
	Marshall	Marshalltown	Bruin Manufacturing Co	ISUE-CIRAS	TAC
	Marshall	Marshalltown	Clapsaddle-Garber Associates, Inc.	CTRE/CP Tech	PWD
	Marshall	Marshalltown	Public Works Department	CTRE/CP Tech	PWD
	Marshall	Marshalltown	Consumers Energy	Industry Relations	BCOM
	Marshall	Marshalltown	JBS Swift and Company	SEU - CDFIN	TAC
	Marshall	Gillman	Tama County Township Trustees & Clerks	IDRO	TCOM
	Marshall	Gillman	Tama County Township Trustees & Clerks	Extension CED, IDRO	TCOM
	Marshall		25 entrepreneurs	Extension CED	BAC
	Marshall		Silos & Smokestacks National Heritage Area	Extension CED	OCOM
	Marshall	County	Youth and Shelter Services- Advisory Com	4-H Youth Development	OCOM
	Marshall	County	Marshall County Coaltion for Youth	4-H Youth Development	OCOM
Marshall County	iviarshali 46	County	Marshall County Coaltion for Youth	4-H Youth Development	46
Marshall County	Mills	Silver City	Silver City	Landscape Architecture, IDRO	BCOM
	Mills Mills	Glenwood Glenwood	Glenwood/Mills County Economic Development Brand Hydraulics	College of Engineering College of Engineering	BCOM PWD
			,	Agricultural & Biosystem	
	Mills	Pacific Junction	Feed Energy Company	Engineering - STIR	TAC
	Mills	Hastings	Hastings Foods	Meat Science Extension	PWD
				Agricultural Education and	
	Mills	Glenwood	Glenwood Community Schools	Studies	OCOM
	Mills	Malvern	Malvern	Botanical Center	PWD
	Mills	Silver City	Silver City	Landscape Architecture,	BCOM
			- 7	IDRO	1
	Mills		Glenwood State Bank	Extension CED	FAC/ BCOM
	Mills		Mills County Farm Bureau	Extension CED	FAC/ BCOM
	Mills			Extension CED	FAC/ BCOM
			Multi-State Regional Development		
	Mills		Rural Development Resource Center	Extension CED	FAC
	Mills		Southwest Iowa Latino Resource Center	Extension CED	BAC
	Mills	Glenwood	Mills County Community Coalition	Sherry Ford/ Mills Co. Ext.	FAC
	Mills	Glenwood	Glenwood/ Mills County Econ. Dev. Bd.	Sherry Ford/ Mills Co. Ext.	FAC
	Mills	all communities	Volunteer Income Tax Assistance	ISU Extension	OCOM
	Mills		City of Malvern	Extension CED	FAC/ BCOM
	Mills		Glenwood/Mills Co Chamber of Com and Economic Dev Found	Extension CED	FAC/ BCOM
	Mills		Mills County Auditors	Extension CED	OCOM
	Mills		Mills County Board of Supervisors	Extension CED	FAC/ BCOM
	Mills		Nex-Gen Biofuels, Inc.	Extension CED	BAC
	Mills		Renew Rural Iowa	Extension CED	FAC
	Mills		Rural Development Resource Center: Grow Iowa	Extension CED	BAC/ TCOM/ FAC
	IVIIIIS			Extension CED	
	NATU-		Fund; Wallace Fund; Southwest Iowa Coalition	Establish OED	BCOM
	Mills		Rural Development Summit	Extension CED	FAC
	Mills		Southwest Iowa Coalition	Extension CED	FAC
Mills County	25				2
	Mitchell	Staceyville	Park Masterplan	Landscape Architecture	BCOM
	Mitchell	Stacyville	Mitchell County Conservation Board	Landscape Architecture IDRO	TCOM
		_		Brenton Ctr for Ag	
	Mitchell	Osage	Distance Education Students = 2	Instruction	PWD
	Mitchell	Riceville	Northern Iowa Grain Processors	CCUR College of Engineering /	TAC
			Occas High Cohool		
	Mitchell	Osage	Osage High School	ABE (PLTW)	осом
	Mitchell Mitchell	Osage Osage	S&S Locker	Meat Science Extension	OCOM PWD
	Mitchell	Osage	S&S Locker	Meat Science Extension Agricultural Education and	PWD
	Mitchell Mitchell	Osage Riceville	S&S Locker Ricevill Community Schools	Meat Science Extension Agricultural Education and Studies	PWD OCOM
	Mitchell	Osage	S&S Locker	Meat Science Extension Agricultural Education and	PWD
	Mitchell Mitchell	Osage Riceville	S&S Locker Ricevill Community Schools	Meat Science Extension Agricultural Education and Studies	PWD
	Mitchell Mitchell Mitchell Mitchell	Osage Riceville Riceville Staceyville	S&S Locker  Ricevill Community Schools  Northern Iowa Grain Processors  Park Masterplan	Meat Science Extension Agricultural Education and Studies CCUR Extension CED, Landscape Architecture Extension	OCOM TAC BCOM
	Mitchell Mitchell	Osage Riceville Riceville	S&S Locker  Ricevill Community Schools  Northern Iowa Grain Processors	Meat Science Extension Agricultural Education and Studies CCUR Extension CED, Landscape Architecture Extension  Extension CED Landscape Architecture	PWD OCOM TAC
	Mitchell Mitchell Mitchell Mitchell Mitchell	Osage Riceville Riceville Staceyville Staceyville	S&S Locker  Ricevill Community Schools  Northern Iowa Grain Processors  Park Masterplan  Staceyville  Mitchell County Conservation Board	Meat Science Extension Agricultural Education and Studies CCUR Extension CED, Landscape Architecture Extension  Extension CED Landscape Architecture Extension, IDRO	PWD OCOM TAC BCOM TCOM TCOM
	Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell	Osage Riceville Riceville Staceyville Staceyville Stacyville	S&S Locker  Ricevill Community Schools  Northern Iowa Grain Processors  Park Masterplan  Staceyville  Mitchell County Conservation Board  Silos & Smokestacks National Heritage Area	Meat Science Extension Agricultural Education and Studies CCUR Extension CED, Landscape Architecture Extension  Extension CED Landscape Architecture Extension, IDRO Extension CED	PWD OCOM TAC BCOM TCOM TCOM OCOM
	Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell	Osage Riceville Riceville Staceyville Staceyville Stacyville Riceville	S&S Locker  Ricevill Community Schools  Northern Iowa Grain Processors  Park Masterplan  Staceyville  Mitchell County Conservation Board  Silos & Smokestacks National Heritage Area  Northern Iowa Grain Processors , LLC (N.I.G.P.)	Meat Science Extension Agricultural Education and Studies CCUR Extension CED, Landscape Architecture Extension Extension CED Landscape Architecture Extension, IDRO Extension CED ISUE-CIRAS	PWD OCOM TAC BCOM TCOM TCOM TCOM OCOM TAC
Mitchell County	Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell	Osage Riceville Riceville Staceyville Staceyville Stacyville Stacyville Riceville Riceville	S&S Locker  Ricevill Community Schools  Northern Iowa Grain Processors  Park Masterplan  Staceyville  Mitchell County Conservation Board  Silos & Smokestacks National Heritage Area  Northern Iowa Grain Processors , LLC (N.I.G.P.)  Northern Iowa Grain Processors	Meat Science Extension Agricultural Education and Studies CCUR Extension CED, Landscape Architecture Extension  Extension CED Landscape Architecture Extension, IDRO Extension CED ISUE-CIRAS CCUR	PWD OCOM TAC BCOM TCOM TCOM TCOM TCOM TAC TAC TAC TAC
Mitchell County	Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell	Osage Riceville Riceville Staceyville Stacyville Stacyville Riceville Riceville Onawa	S&S Locker  Ricevill Community Schools  Northern Iowa Grain Processors  Park Masterplan  Staceyville  Mitchell County Conservation Board  Silos & Smokestacks National Heritage Area  Northern Iowa Grain Processors , LLC (N.I.G.P.)  Northern Iowa Grain Processors  Board of Administrators	Meat Science Extension Agricultural Education and Studies CCUR Extension CED, Landscape Architecture Extension  Extension CED Landscape Architecture Extension, IDRO Extension CED ISUE-CIRAS CCUR	PWD  OCOM TAC BCOM  TCOM TCOM  OCOM TAC TAC TAC  1 TCOM
Mitchell County	Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell	Osage Riceville Riceville Staceyville Staceyville Stacyville Stacyville Riceville Riceville	S&S Locker  Ricevill Community Schools  Northern Iowa Grain Processors  Park Masterplan  Staceyville  Mitchell County Conservation Board  Silos & Smokestacks National Heritage Area  Northern Iowa Grain Processors , LLC (N.I.G.P.)  Northern Iowa Grain Processors	Meat Science Extension Agricultural Education and Studies CCUR Extension CED, Landscape Architecture Extension  Extension CED Landscape Architecture Extension, IDRO Extension CED ISUE-CIRAS CCUR  CRP College of Engineering	PWD OCOM TAC BCOM TCOM TCOM TCOM TAC TAC TAC TAC TAC TAC TAC TAC TAC TAC
Mitchell County	Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell	Osage Riceville Riceville Staceyville Stacyville Stacyville Riceville Riceville Onawa	S&S Locker  Ricevill Community Schools  Northern Iowa Grain Processors  Park Masterplan  Staceyville  Mitchell County Conservation Board  Silos & Smokestacks National Heritage Area  Northern Iowa Grain Processors , LLC (N.I.G.P.)  Northern Iowa Grain Processors  Board of Administrators	Meat Science Extension Agricultural Education and Studies CCUR Extension CED, Landscape Architecture Extension  Extension CED Landscape Architecture Extension, IDRO Extension CED ISUE-CIRAS CCUR	PWD  OCOM TAC BCOM  TCOM TCOM  OCOM TAC TAC TAC  1 TCOM
Mitchell County	Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Monona Monona	Osage Riceville Riceville Staceyville Stacyville Stacyville Riceville Riceville Onawa Onawa	S&S Locker  Ricevill Community Schools  Northern Iowa Grain Processors  Park Masterplan  Staceyville  Mitchell County Conservation Board  Silos & Smokestacks National Heritage Area  Northern Iowa Grain Processors , LLC (N.I.G.P.)  Northern Iowa Grain Processors  Board of Administrators  Monona County Economic Development	Meat Science Extension Agricultural Education and Studies CCUR Extension CED, Landscape Architecture Extension  Extension CED Landscape Architecture Extension, IDRO Extension CED ISUE-CIRAS CCUR  CRP College of Engineering	PWD OCOM TAC BCOM TCOM TCOM TCOM TAC TAC TAC TAC TAC TAC TAC TAC TAC TAC
Mitchell County	Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Monona Monona	Osage Riceville Riceville Staceyville Stacyville Stacyville Riceville Riceville Onawa Onawa	S&S Locker  Ricevill Community Schools  Northern Iowa Grain Processors  Park Masterplan  Staceyville  Mitchell County Conservation Board  Silos & Smokestacks National Heritage Area  Northern Iowa Grain Processors , LLC (N.I.G.P.)  Northern Iowa Grain Processors  Board of Administrators  Monona County Economic Development	Meat Science Extension Agricultural Education and Studies CCUR Extension CED, Landscape Architecture Extension  Extension CED Landscape Architecture Extension, IDRO Extension CED ISUE-CIRAS CCUR  CRIP College of Engineering Meat Science Extension Western Research Farm, ISU	PWD OCOM TAC BCOM TCOM TCOM TCOM TAC TAC TAC TAC TAC TAC TAC TAC TAC TAC
Mitchell County	Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Monona Monona Monona	Osage Riceville Riceville Staceyville Stacyville Stacyville Riceville Riceville Onawa Onawa Mapleton	S&S Locker  Ricevill Community Schools  Northern Iowa Grain Processors  Park Masterplan  Staceyville  Mitchell County Conservation Board  Silos & Smokestacks National Heritage Area  Northern Iowa Grain Processors , LLC (N.I.G.P.)  Northern Iowa Grain Processors  Board of Administrators  Monona County Economic Development  Mapleton	Meat Science Extension Agricultural Education and Studies CCUR Extension CED, Landscape Architecture Extension  Extension CED Landscape Architecture Extension, IDRO Extension CED ISUE-CIRAS CCUR  CRP College of Engineering Meat Science Extension Western Research Farm, ISU Western Research Farm, ISU	PWD  OCOM TAC BCOM  TCOM TCOM TCOM TAC TAC TAC TAC TAC TAC TAC TAC TCOM FAC PWD
Mitchell County	Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Monona Monona Monona	Osage Riceville Riceville Staceyville Stacyville Stacyville Stacyville Onawa Onawa Mapleton Mapleton	S&S Locker  Ricevill Community Schools  Northern Iowa Grain Processors  Park Masterplan  Staceyville  Mitchell County Conservation Board  Silos & Smokestacks National Heritage Area  Northern Iowa Grain Processors , LLC (N.I.G.P.)  Northern Iowa Grain Processors  Board of Administrators  Monona County Economic Development  Mapleton  Monona Co 4-H and FFA	Meat Science Extension Agricultural Education and Studies CCUR Extension CED, Landscape Architecture Extension  Extension CED Landscape Architecture Extension, IDRO Extension CED ISUE-CIRAS CCUR  CRP College of Engineering Meat Science Extension Western Research Farm, ISU Western Research Farm, ISU Western Research Farm, ISU Western Research Farm, ISU	PWD OCOM TAC BCOM TCOM TCOM TCOM TAC TAC TAC TAC TAC TAC TAC TAC TCOM FAC PWD OCOM
Mitchell County	Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Monona Monona Monona Monona Monona Monona Monona	Osage Riceville Riceville Staceyville Stacyville Stacyville Stacyville Riceville Riceville Onawa Onawa Mapleton Ute	S&S Locker  Ricevill Community Schools  Northern Iowa Grain Processors  Park Masterplan  Staceyville  Mitchell County Conservation Board  Silos & Smokestacks National Heritage Area  Northern Iowa Grain Processors , LLC (N.I.G.P.)  Northern Iowa Grain Processors  Board of Administrators  Monona County Economic Development  Mapleton  Monona Co 4-H and FFA  Monona Co. Pork Producers	Meat Science Extension Agricultural Education and Studies CCUR Extension CED, Landscape Architecture Extension  Extension CED Landscape Architecture Extension, IDRO Extension CED ISUE-CIRAS CCUR  CRP College of Engineering Meat Science Extension Western Research Farm, ISU Western Research Farm, ISU Western Research Farm, ISU Western Research Farm, ISU Western Research Farm, ISU Western Research Farm, ISU	PWD  OCOM TAC BCOM  TCOM TCOM TCOM TAC TAC TAC TAC TAC TAC TAC TCOM FAC PWD  OCOM PWD
Mitchell County	Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Monona Monona Monona Monona Monona Monona Monona Monona Monona Monona	Osage Riceville Riceville Staceyville Staceyville Stacyville Stacyville Riceville Riceville Onawa Onawa Mapleton Ute Castana Mapleton	S&S Locker  Ricevill Community Schools  Northern Iowa Grain Processors  Park Masterplan  Staceyville  Mitchell County Conservation Board  Silos & Smokestacks National Heritage Area  Northern Iowa Grain Processors , LLC (N.I.G.P.)  Northern Iowa Grain Processors  Board of Administrators  Monona County Economic Development  Mapleton  Monona Co 4-H and FFA  Monona Co. Pork Producers  MVAO Comm School	Meat Science Extension Agricultural Education and Studies CCUR Extension CED, Landscape Architecture Extension  Extension CED Landscape Architecture Extension, IDRO Extension CED ISUE-CIRAS CCUR  CRP College of Engineering Meat Science Extension Western Research Farm, ISU Western Research Farm, ISU Western Research Farm, ISU Western Research Farm, ISU Western Research Farm, ISU Western Research Farm, ISU Agricultural Education and	PWD  OCOM TAC BCOM TCOM TCOM TCOM TCOM TAC TAC TAC TAC TAC TAC TCOM FAC PWD OCOM PWD OCOM OCOM
Mitchell County	Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Monona Monona Monona Monona Monona Monona Monona Monona Monona Monona Monona Monona Monona Monona	Osage Riceville Riceville Staceyville Staceyville Stacyville Stacyville Riceville Riceville Onawa Onawa Mapleton Ute Castana Mapleton Mapleton Mapleton	S&S Locker  Ricevill Community Schools  Northern Iowa Grain Processors  Park Masterplan  Staceyville  Mitchell County Conservation Board  Silos & Smokestacks National Heritage Area  Northern Iowa Grain Processors , LLC (N.I.G.P.)  Northern Iowa Grain Processors  Board of Administrators  Monona County Economic Development  Mapleton  Monona Co 4-H and FFA  Monona Co. Pork Producers  MVAO Comm School  MVAO Comm School  MVAO Comm School  Maple Valley Community Schools	Meat Science Extension Agricultural Education and Studies CCUR Extension CED, Landscape Architecture Extension  Extension CED Landscape Architecture Extension, IDRO Extension CED ISUE-CIRAS CCUR  CRP College of Engineering Meat Science Extension Western Research Farm, ISU Western Research Farm, ISU Western Research Farm, ISU Western Research Farm, ISU Western Research Farm, ISU Western Research Farm, ISU Agricultural Education and Studies	PWD OCOM TAC BCOM TCOM TCOM TCOM TCOM TAC TAC TAC TAC TCOM FAC PWD OCOM PWD OCOM OCOM OCOM
Mitchell County	Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Monona Monona Monona Monona Monona Monona Monona Monona Monona Monona Monona Monona	Osage Riceville Riceville Staceyville Staceyville Stacyville Stacyville Riceville Riceville Onawa Onawa Mapleton Ute Castana Mapleton Mapleton Mapleton Mapleton Mapleton Mapleton Mapleton Mapleton Mapleton	S&S Locker  Ricevill Community Schools  Northern Iowa Grain Processors  Park Masterplan  Staceyville  Mitchell County Conservation Board  Silos & Smokestacks National Heritage Area  Northern Iowa Grain Processors , LLC (N.I.G.P.)  Northern Iowa Grain Processors  Board of Administrators  Monona County Economic Development  Mapleton  Monona Co 4-H and FFA  Monona Co. Pork Producers  MVAO Comm School  MVAO Comm School  Maple Valley Community Schools  Board of Administrators	Meat Science Extension Agricultural Education and Studies CCUR Extension CED, Landscape Architecture Extension  Extension CED Landscape Architecture Extension, IDRO Extension CED ISUE-CIRAS CCUR  CRP College of Engineering Meat Science Extension Western Research Farm, ISU Western Research Farm, ISU Western Research Farm, ISU Western Research Farm, ISU Agricultural Education and Studies Extension CED, CRP Extension	PWD  OCOM TAC BCOM TCOM TCOM TCOM TCOM TCOM TAC TAC TAC TAC TAC TAC TCOM FAC PWD OCOM OCOM OCOM OCOM OCOM
Mitchell County	Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Mitchell Monona Monona Monona Monona Monona Monona Monona Monona Monona Monona Monona Monona Monona Monona	Osage Riceville Riceville Staceyville Staceyville Stacyville Stacyville Riceville Riceville Onawa Onawa Mapleton Ute Castana Mapleton Mapleton Mapleton	S&S Locker  Ricevill Community Schools  Northern Iowa Grain Processors  Park Masterplan  Staceyville  Mitchell County Conservation Board  Silos & Smokestacks National Heritage Area  Northern Iowa Grain Processors , LLC (N.I.G.P.)  Northern Iowa Grain Processors  Board of Administrators  Monona County Economic Development  Mapleton  Monona Co 4-H and FFA  Monona Co. Pork Producers  MVAO Comm School  MVAO Comm School  MVAO Comm School  Maple Valley Community Schools	Meat Science Extension Agricultural Education and Studies CCUR Extension CED, Landscape Architecture Extension  Extension CED Landscape Architecture Extension, IDRO Extension CED ISUE-CIRAS CCUR  CRP College of Engineering Meat Science Extension Western Research Farm, ISU Western Research Farm, ISU Western Research Farm, ISU Western Research Farm, ISU Western Research Farm, ISU Western Research Farm, ISU Agricultural Education and Studies Extension CED, CRP	PWD OCOM TAC BCOM TCOM TCOM TCOM TCOM TAC TAC TAC TAC TCOM FAC PWD OCOM PWD OCOM OCOM OCOM

	Monona		Rural Development Resource Center	Extension CED	FAC
	Monona		Rural Development Summit	Extension CED	FAC
	Monona	Mapleton	MapleValley Community School District	ISU Extension	PWD
	Monona	Onawa	West Monona Community School	ISU Extension	PWD
	Monona	Onawa	McDonald's Restaurant	ISU Extension	PWD
	Monona	Mapleton	Maple Heights Nursing Home	ISU Extension	PWD
					PWD
	Monona	Onawa	Elmwood Care Center	ISU Extension	
	Monona	Onawa	Loess Hills Biodiesel	ISUE-CIRAS	TAC
	Monona	Onawa	Omaha Nation Construction	ISUE-CIRAS	BAC
	Monona	Onawa	Elmwood Care Center	Families Extension	PWD
	Monona	Mapleton	Maple Heights Nursing Home	Families Extension	PWD
	Monona	Mapleton	Maple Valley School	Monona County Extension	OCOM
	IVIOLIOTIA	Mapleton	Iviaple valley School		OCOW
				Monona County	
				Extension/Extension	
	Monona	Mapleton	Mapleton Community Leaders	Families	FAC
	Monona	Mapleton	MapleValley Community School District	Families Extension	PWD
	Monona	Onawa	McDonald's Restaurant	Families Extension	PWD
	Monona	Onawa	West Monona Community School	Families Extension	PWD
	Monona	Onawa	West Monona School	Monona County Extension	PWD
	Monona	Onawa	Monona Co.	CTRE/CP Tech	PWD
	Monona		Monona County	Extension CED	OCOM
	Monona		Rural Development Resource Center: Grow Iowa	Extension CED	BAC/ TCOM/ FAC
			Fund; Wallace Fund; Southwest Iowa Coalition		всом
Monona County	31		Turia, Transco Faria, Coarmoot Towa Coarmon		3
onona county	31		+	Agricultura Evporiment	1 3
			0 71 0 1471	Agriculture Experiment	
	Monroe	Eddyville	Cargill Corn Milling	Station	TAC
	Monroe		ADLM Empowerment Board	CD-DIAL - Sociology	OCOM
				Extension	
	Monroe		Monroe County Tourism	Extension CED	FAC
Monroe Courte	3		money rounding	Z.COTOIOTI OED	
Monroe County			07. (0.10.1	B:# B	20011
	Montgomery	Red Oak	City of Red Oak	Bill Drey	BCOM
	Montgomery	Stanton	City of Stanton	Bill Drey	BCOM
	Montgomery	Grant	City of Grant	Bill Drey	BCOM
	Montgomery	Elliott	City of Elliott	Bill Drey	BCOM
	,	County	Board of supervisors	Bill Drey	BCOM
	Montgomery				
	Montgomery	Red Oak	Fire Department	Bill Drey	OCOM
	Montgomery	County	Election people	Alan Ladd	PWD
	Montgomery	Red Oak	Minsa	Bill Drey	TCOM
	Montgomery	Red Oak	Red Oak Schools	Bill Drey	TCOM
	Montgomery	Red Oak	Farmers Market	Bill Drey	TCOM
	Montgomery	County	Board of supervisors	Bill Drey	TCOM
	Montgomery	Red Oak	MIDAS Council of Government	CRP	TCOM
	Montgomery	Red Oak	CAI Students	Crop Advisor Institute	PWD
				Agricultural Education and	
	Montgomery	Villisca	Villisca Community School	Studies	FAC
			·		
	Montgomery	Red Oak	Agri-Solutions, Inc.	Extension CED	BAC
	Montgomery	Red Oak	Depot Hill Historic District, LLC	Extension CED	BAC
	Montgomery	Red Oak	Grupo Minsa Corporation	Extension CED	TAC
	Montgomery	Red Oak	Healthy Turf Lawn Care	Extension CED	BAC
	Montgomery	Red Oak	MIDAS Council of Government	Extension CED, CRP	TCOM
	gey	1.00		Extension	
	Mantaganani	Dad Oak	New Con Diefuele, Inc.		DAC
	Montgomery	Red Oak	Nex-Gen Biofuels, Inc.	Extension CED	BAC
	Montgomery	Red Oak	Nishna Productions	Extension CED	TAC
	Montgomery	Red Oak	Pudgy Pumpkin Patch Gift Shop	Extension CED	BAC
-	Montgomery		City of Villisca	Extension CED	FAC/ BCOM
	Montgomery		Emerald Hills Dairy Consortium	Extension CED	BAC
	,				
	Montgomery		Oakview Construction	Extension CED	FAC/ BCOM
	Montgomery		Red Oak Chrysler Dodge Jeep	Extension CED	FAC/ BCOM
	Montgomery	<u> </u>	Red Oak Industrial Foundation	Extension CED	FAC/ BCOM
-	Montgomery		Renew Rural Iowa	Extension CED	FAC
	Montgomery		Southwest Iowa Latino Resource Center	Extension CED	BAC
	,	all communities	Volunteer Income Tax Assistance	ISU Extension	OCOM
	Montgomery				
	Montgomery	Elliott	Montgomery Co.	CTRE/CP Tech	PWD
	Montgomery	Red Oak	Neenah Foundry	CTRE/CP Tech	PWD
	Montgomery	Red Oak	City Administrator	CRP	TCOM
	Montgomery	Red Oak	City Administrator	Extension CED, CRP	TCOM
			- 9	Extension	
	Montgomeri	Pod Ook	Pad Oak		TCOM
	Montgomery	Red Oak	Red Oak	Extension CED	TCOM
	Montgomery		Agri-solutions	Extension CED	FAC/ BCOM
	Montgomery	<u>                                     </u>	City of Red Oak	Extension CED	FAC/ BCOM
	Montgomery		City of Stanton	Extension CED	FAC/ BCOM
		1	Great Western Bank - Red Oak	Extension CED	FAC/ BCOM
	Montgomery			Extension CED	FAC/ BCOM
	Montgomery			TEXTEDSION CELL	IFAU/ BUUIVI
	Montgomery		Great Western Bank - Stanton		
	Montgomery Montgomery		Houghton State Bank	Extension CED	FAC/ BCOM
	Montgomery				
	Montgomery Montgomery Montgomery		Houghton State Bank Montgomery Co Development Corp	Extension CED Extension CED	FAC/ BCOM FAC/ BCOM
	Montgomery Montgomery Montgomery Montgomery		Houghton State Bank Montgomery Co Development Corp Montgomery County Auditors	Extension CED Extension CED Extension CED	FAC/ BCOM FAC/ BCOM OCOM
	Montgomery Montgomery Montgomery		Houghton State Bank Montgomery Co Development Corp Montgomery County Auditors Montgomery County Economic Development Corp.,	Extension CED Extension CED	FAC/ BCOM FAC/ BCOM
	Montgomery Montgomery Montgomery Montgomery		Houghton State Bank Montgomery Co Development Corp Montgomery County Auditors Montgomery County Economic Development Corp., Villisca Economic Development Corp.; Red Oak	Extension CED Extension CED Extension CED	FAC/ BCOM FAC/ BCOM OCOM
	Montgomery Montgomery Montgomery Montgomery		Houghton State Bank Montgomery Co Development Corp Montgomery County Auditors Montgomery County Economic Development Corp., Villisca Economic Development Corp.; Red Oak Industrial Foundation	Extension CED Extension CED Extension CED	FAC/ BCOM FAC/ BCOM OCOM
	Montgomery Montgomery Montgomery Montgomery		Houghton State Bank Montgomery Co Development Corp Montgomery County Auditors Montgomery County Economic Development Corp., Villisca Economic Development Corp.; Red Oak Industrial Foundation	Extension CED Extension CED Extension CED	FAC/ BCOM FAC/ BCOM OCOM
	Montgomery Montgomery Montgomery Montgomery Montgomery Montgomery Montgomery		Houghton State Bank Montgomery Co Development Corp Montgomery County Auditors Montgomery County Economic Development Corp., Villisca Economic Development Corp., Red Oak Industrial Foundation Montgomery County Memorial Hosp	Extension CED Extension CED Extension CED Extension CED Extension CED	FAC/ BCOM FAC/ BCOM OCOM BCOM FAC/ BCOM
	Montgomery Montgomery Montgomery Montgomery Montgomery Montgomery Montgomery Montgomery		Houghton State Bank Montgomery Co Development Corp Montgomery County Auditors Montgomery County Economic Development Corp., Villisca Economic Development Corp., Red Oak Industrial Foundation Montgomery County Memorial Hosp Montgomery County Supervisors	Extension CED Extension CED Extension CED Extension CED  Extension CED  Extension CED	FAC/ BCOM FAC/ BCOM OCOM BCOM FAC/ BCOM FAC/ BCOM
	Montgomery Montgomery Montgomery Montgomery Montgomery Montgomery Montgomery Montgomery Montgomery Montgomery		Houghton State Bank Montgomery Co Development Corp Montgomery County Auditors Montgomery County Economic Development Corp., Villisca Economic Development Corp., Red Oak Industrial Foundation Montgomery County Memorial Hosp Montgomery County Supervisors Multi-State Regional Development	Extension CED Extension CED Extension CED Extension CED  Extension CED  Extension CED Extension CED Extension CED	FAC/ BCOM FAC/ BCOM OCOM BCOM FAC/ BCOM FAC/ BCOM
	Montgomery Montgomery Montgomery Montgomery Montgomery Montgomery Montgomery Montgomery		Houghton State Bank Montgomery Co Development Corp Montgomery County Auditors Montgomery County Economic Development Corp., Villisca Economic Development Corp., Red Oak Industrial Foundation Montgomery County Memorial Hosp Montgomery County Supervisors	Extension CED Extension CED Extension CED Extension CED  Extension CED  Extension CED	FAC/ BCOM FAC/ BCOM OCOM BCOM FAC/ BCOM FAC/ BCOM

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	Montgomery		Regional Marketing	Extension CED	BCOM
	Montgomery		Rural Development Resource Center	Extension CED	FAC
	Montgomery		Rural Development Resource Center: Grow Iowa	Extension CED	BAC/ TCOM/ FAC
			Fund; Wallace Fund; Southwest Iowa Coalition		BCOM
	Montgomery		Rural Development Summit	Extension CED	FAC
	Montgomery		Southwest Iowa Coalition	Extension CED	FAC
Montgomery County	54				5
				OUDTT	540
	Muscatine	Muscatine	Greater Muscatine Chamber of Commerce and Industry	OIPTT	FAC
	Muscatine	Muscatine	Northern Filter Media	OIPTT	FAC
	Muscatine	Muscatine	McKee Button	College of Business	FAC
	Muscatine	Muscatine	Grain Processing Gorporation	College of Engineering	FAC
	Muscatine	Muscatine	Northern Filter Media	College of Engineering	FAC
	Muscatine	Muscatine	Grain Processing Corporation	Center for Catalysis, IPRT	TAC, TT
				Center for Sustainable	
				Environmental	-10
	Muscatine	Muscatine	Grain Processing Corporation	Technologies, IPRT	FAC
			T. 5	IPRT Company Assistance-	T10
	Muscatine	Muscatine	Tire Environmental Services, Inc.	Materials	TAC
			M K B # 0	IPRT Company Assistance-	T10
	Muscatine	Muscatine	McKee Button Company	NDE	TAC
			T. 5	IPRT Company Assistance-	T10
	Muscatine	Muscatine	Tire Environmental Services, Inc.	NDE	TAC
				IPRT Company Assistance-	
				Technology	
	Muscatine	Muscatine	Grain Processing Corporation	Commercialization	TT
				IPRT Company Assistance-	
			LINII Tarkardanian lan	Technology	TT
	Muscatine	Muscatine	HNI Technologies, Inc	Commercialization	TT
				IPRT Company Assistance-	
	Musestine	Musestine	North orn Filter Madie	Technology Commercialization	
	Muscatine	Muscatine	Northern Filter Media CAI Students		TT PWD
	Muscatine	West Liberty	CAI Students	Crop Advisor Institute	PWD
	Mussetins	Muscatine	Distance Education Students = 1	Brenton Ctr for Ag	PWD
	Muscatine			Instruction	
	Muscatine Muscatine	Muscatine	Grain Processing Corp. HNI	CCUR NREM	FAC, TAC
		Muscatine		CCUR	TAC
	Muscatine	Muscatine	HNI, Corp.	College of Engineering /	11
	Mussetins	Musastina	Muscatine Comm H.S.	ABE (PLTW)	осом
	Muscatine Muscatine	Muscatine Muscatine	R3 Composites and AgVantage	Chemistry & CCUR	TT
			West Liberty Foods, LLC	Meat Science Extension	PWD
	Muscatine	West Liberty	West Liberty Foods, LLC	Agricultural Education and	FVVD
	Muscatine	Muscatine	Muscatine Community School	Studies	FAC
	Muscatine	Muscatine	Grain Processing Corp.	CCUR	FAC, TAC
	Muscatine	Muscatine	HNI, Corp.	CCUR	TT
	Muscatine	Muscatine	R3 Composites and AgVantage	Chemistry & CCUR	TT
	iviuscatine	Muscaurie	R3 Composites and Agrantage	Nutrition Wellness Research	11
	Muscatine	Muscatine	Grain Processing Corp.	Center	TAC
	Muscatine	West Liberty	Innovative Growers, L.L.C.	ISURF	TT
	Muscatine	West Liberty	Innovative Growers, L.L.C.	ISURF	TT
	Muscatine	West Liberty	Innovative Growers, L.L.C.	ISURF	TT
	Muscatine	West Liberty	Innovative Growers, L.L.C.	ISURF	TT
	Muscatine	Muscatine	Grain Processing Corporation	ISURF	TT
	Muscatine	Muscatine	Grain Processing Corporation	ISURF	TT
	Muscatine	Atalissa	city of Atalissa	ISON	FAC/ OCOM
	Muscatine	Muscatine	city of Muscatine	Extension CED	FAC
	Marianatina	N II als a La	Nichols		FAC/ OCOM
	Muscatine	Stockton	Durant Community Chest	Extension CED Extension CED	PWD
	Muscatine	West Liberty	West Liberty	Extension CED	TCOM/ OCOM
	Muscatine	Wilton	Wilton	Extension CED	FAC
	Muscatine	VVIIIOII	Muscatine County Auditors	Extension CED	ОСОМ
	Muscatine	Muscatine	John Wunder Law Office, Muscatine	Johnson County Extension	PWD
	Muscatine	Muscatine	Diversity Service Center of Iowa, Muscatine	Johnson County Extension	PWD
	Muscatine	Muscatine	Applebee's	ISU Extension	PWD
	Muscatine	Muscatine	Which Wich	ISU Extension	PWD
	Muscatine	Muscatine	Tire-tech Envirnomental Systems	ISUE-CIRAS	TAC
	Muscatine	Muscatine	McKee Button Co Inc	ISUE-CIRAS	TAC
	Muscatine	Muscatine	Tire-tech Envirnomental Systems	ISUE-CIRAS	BAC
	Muscatine	Muscatine	McKee Button Co Inc	ISUE-CIRAS	BAC
	Muscatine		Event in Muscatine County	ISUE-CIRAS	BAC
	Muscatine	Muscatine	Muscatine Co.	CTRE/CP Tech	PWD
	Muscatine	Muscatine	Muscatine Co. Engineer	CTRE/CP Tech	PWD
	widocatiiic	Madamio	Greater Muscatine Chamber of Commerce &	C. RE/OI 100II	
	Muscatine	Muscatine	Industry	Industry Relations	всом
	Muscatine	Muscatine	Abbott & Associates	Industry Relations Industry Relations	BCOM
			Grain Processing Corp.		
	Muscatine Muscatine	Muscatine Muscatine	Northern Filter Media, Inc.	Industry Relations Industry Relations	TAC
	Muscatine	Muscatine	Grain Processing Corp.	Industry Relations	TAC
	Muscatine	Muscatine	R3 Composites	Industry Relations	TAC
	Muscatine	Muscatine	Grain Processing Corp.	Industry Relations	TAC
	Muscatine	Muscatine	Grain Processing Corporation	OBP	BAC, FAC, TAC
	Muscatine	Muscatine	Grain Processing Corp.	CCUR	FAC, TAC
	Muscatine	Muscatine	HNI, Corp.	CCUR	TT

	Muscatine	Muscatine	R3 Composites and AgVantage	Chemistry & CCUR	TT
Muscatine County	Muscatine 62		County Local Housing Trust Fund	Extension CED	TCOM 62
Muscatine County	O'Brien	Sheldon	Taco John's	ISU Extension	PWD
				Brenton Ctr for Ag	
	O'Brien	Paullina	Distance Education Students = 2	Instruction	PWD
	O'Brien	Sanborn	Distance Education Students = 4	Brenton Ctr for Ag Instruction	PWD
	OBliefi	Sanboni	Distance Education Students = 4	Agricultural Education and	FVVD
	O'Brien	Sheldon	Sheldon Community School	Studies	FAC
	O'Brien	Paullina	Dairy Farmers	Extension CED	BCOM
	O'Brien	Paullina	Paullina	Extension CED	OCOM
	O'Brien O'Brien	Paullina	O'Brien County Auditors South O'Brien Comm. School	Extension CED ISU Extension	OCOM PWD
	O'Brien	Primghar	NW IA Health Center/RCF	ISU Extension	PWD
	O'Brien	Sheldon	NW IA Community College	ISU Extension	PWD
	O'Brien	Sheldon	NW IA Health Center	ISU Extension	PWD
	O'Brien	Sheldon	Village NW Limited	ISU Extension	PWD
	O'Brien O'Brien	Hartley Primghar	Community Memorial Health Center Kids Kampus	ISU Extension ISU Extension	PWD PWD
	O'Brien	Sanborn	Kids Express Day Care	ISU Extension	PWD
	O'Brien	Paullina	Tots on Ten Daycare	ISU Extension	PWD
	O'Brien	Sheldon	Kentucky Fried Chicken	ISU Extension	PWD
	O'Brien	Sheldon	Rosenboom Machine and Tool Inc	ISUE-CIRAS	TAC
	O'Brien	Sheldon Sheldon	Rosenboom Machine and Tool Inc Rosenboom Machine and Tool Inc	ISUE-CIRAS ISUE-CIRAS	TAC
	O'Brien O'Brien	Sheldon	Rosenboom Machine and Tool Inc  Rosenboom Machine and Tool Inc	ISUE-CIRAS	TAC
	O'Brien	Choldon	24 election officials certified	CED	OCOM
	O'Brien		Emergency Management Agency	Lyon & Osceola Extension	OCOM
	O'Brien	Sheldon	Kentucky Fried Chicken	Families Extension	PWD
	O'Brien	Sanborn	Kids Express Day Care	Family Life Staff	PWD
	O'Brien	Primghar	Kids Kampus	Family Life Staff	PWD
	O'Brien O'Brien		NW la Developers Coalition NW la Developers Coalition	Lyon & Osceola Extension Lyon & Osceola Extension	BCOM FAC
	O'Brien		NW la Developers Coalition	Lvon & Osceola Extension	OCOM
	O'Brien	Sheldon	Taco John's	Families Extension	PWD
	O'Brien	Paullina	Tots on Ten Daycare	Family Life Staff	PWD
	O'Brien	Primghar	O'Brien Co.	CTRE/CP Tech	PWD
	O'Brien		24 election officials certified	Extension CED  ISU - O'Brien County	ОСОМ
	O'Brien	Paullina	O'Brien County Economic Development	Extension	FAC
O'Brien County	34	·	C Brieff County Economic Bereiopinon	ZAGRIGION	34
•	Osceola	Sibley	Commjunity Daycare Center	ISU Extension	PWD
	Osceola	Sibley	Commigurity Daycare Center	Family Life Staff	PWD
	Osceola		27 election officials certified	CED	OCOM OCOM
	Osceola Osceola		Emergency Management Agency NW Ia Developers Coalition	Lyon & Osceola Extension Lyon & Osceola Extension	BCOM
	Osceola		NW la Developers Coalition	Lyon & Osceola Extension	FAC
	Osceola		NW Ia Developers Coalition	Lyon & Osceola Extension	OCOM
	Osceola		Osceola Farm City Mixer	Osceola Extension	FAC
	Osceola		Public Health	Osceola Extension	OCOM
	Osceola Osceola		27 election officials certified Osceola County Auditors	Extension CED Extension CED	OCOM OCOM
Osceola County	Osceola 11		Osceola County Auditors	EXTENSION CED	11
Coccon County	Page	Shenandoah	City Administrator	CRP	ТСОМ
	Page	Shenandoah	Shenandoah Chamber and Industry Association	College of Engineering	BCOM
	Page	Clarinda	Clarinda Economic Development Corporation	College of Engineering	BCOM
	I	o	NSK-AKS Precision Ball Company	IPRT Company Assistance- NDE	TAC
	Page				
	Page Page	Clarinda Northboro			
	Page Page Page	Northboro Clarinda	McCoy Locker  Naturally Iowa, LLC	Meat Science Extension Extension CED	PWD BAC
	Page	Northboro	McCoy Locker	Meat Science Extension Extension CED Extension CED, CRP	PWD
	Page Page Page	Northboro Clarinda	McCoy Locker Naturally Iowa, LLC City Administrator	Meat Science Extension Extension CED Extension CED, CRP Extension	PWD BAC TCOM
	Page Page Page Page	Northboro Clarinda	McCoy Locker Naturally Iowa, LLC City Administrator City of Shenandoah	Meat Science Extension Extension CED Extension CED, CRP Extension Extension CED	PWD BAC TCOM FAC/ BCOM
	Page Page Page Page Page	Northboro Clarinda	McCoy Locker Naturally Iowa, LLC City Administrator City of Shenandoah Lisle Corporation	Meat Science Extension Extension CED Extension CED, CRP Extension Extension CED Extension CED	PWD BAC TCOM FAC/ BCOM FAC/ BCOM
	Page Page Page Page Page Page Page	Northboro Clarinda	McCoy Locker Naturally Iowa, LLC City Administrator City of Shenandoah	Meat Science Extension Extension CED Extension CED, CRP Extension Extension CED Extension CED Extension CED Extension CED	PWD BAC TCOM FAC/ BCOM FAC/ BCOM FAC
	Page Page Page Page Page	Northboro Clarinda	McCoy Locker Naturally Iowa, LLC City Administrator  City of Shenandoah Lisle Corporation Multi-State Regional Development	Meat Science Extension Extension CED Extension CED, CRP Extension Extension CED Extension CED	PWD BAC TCOM FAC/ BCOM FAC/ BCOM
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	Page Page Page Page Page Page Page Page	Northboro Clarinda	McCoy Locker Naturally Iowa, LLC City Administrator City of Shenandoah Lisle Corporation Multi-State Regional Development Nishna Productions Page - ISU Extension County Office Marketing Surveys	Meat Science Extension Extension CED Extension CED, CRP Extension Extension Extension CED Extension CED Extension CED Extension CED CD-DIAL - Sociology Extension Page County Extension - Youth and GSF	PWD BAC TCOM FAC/ BCOM FAC/ BCOM FAC TAC
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	Page Page Page Page Page Page Page Page	Northboro Clarinda	McCoy Locker Naturally Iowa, LLC City Administrator City of Shenandoah Lisle Corporation Multi-State Regional Development Nishna Productions Page - ISU Extension County Office Marketing Surveys Southwest Iowa Adolescent Pregnecy Prevention	Meat Science Extension Extension CED Extension CED, CRP Extension Extension Extension CED Extension CED Extension CED Extension CED CD-DIAL - Sociology Extension Page County Extension - Youth and GSF	PWD BAC TCOM FAC/ BCOM FAC/ BCOM FAC TAC BAC
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	Page	Collogo Springs	South Page Community School	Page County Extension - Youth	ОСОМ
	rage	College Springs	South Fage Community School	Page County Extension -	OCOIVI
	Page	Clarinda	Lied Center	Youth	ОСОМ
	Page		Page County Fair Board	Page County Extension	ОСОМ
		01 : 1	One of the old Henry & Boy One	Page County Extension -	00014
	Page	Clarinda	Grandma's House Day Care	Youth Page County Extension -	OCOM
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	1 -9-			Page County Extension -	
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			T	Page County Extension -	00011
	Page	Shenandoah	Turnbull Day Care/Pre-School	Youth Page County Extension -	ОСОМ
	Page	Essex	Essex Day Care/Pre-School	Youth	осом
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	Page	College Springs	Happy Hearts Day Care/Pre-School	Youth	OCOM
	Page	College Springs	South Page Community Pre-School	Page County Extension - Youth	осом
	raye	College Springs	South Fage Community Fre-School	Page County Extension -	OCOIVI
	Page	Clarinda	Head Start	Youth	ОСОМ
				Page County Extension -	
	Page	Shenandoah	Head Start	Youth	OCOM
	Page	Shenandoah	Hispanic Center	Page County Extension - Youth and GSF	осом
	raye	Silenandoan	Thispanic Center	Page County Extension -	OCOIVI
	Page	Clarinda	Jump Start	GSF	ОСОМ
	Page	all communities	Volunteer Income Tax Assistance	ISU Extension	ОСОМ
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			Shenandoah Chamber and Industry Association		
	Page Page		Page County Farm Bureau Page County State Bank	Extension CED Extension CED	FAC/ BCOM FAC/ BCOM
	Page		Regional Marketing	Extension CED	BCOM
	Page		Renew Rural Iowa	Extension CED	FAC
	Page		Rural Development Resource Center	Extension CED	FAC
	Page		Rural Development Resource Center: Grow Iowa	Extension CED	BAC/ TCOM/ FAC/
	Page		Fund; Wallace Fund; Southwest Iowa Coalition Rural Development Summit	Extension CED	BCOM FAC
	Page		Southwest Iowa Coalition	Extension CED	FAC
	Page		Southwest Iowa Latino Resource Center	Extension CED	BAC
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	Palo Alto	West Bend	eresourceful	OIPTT	BCOM
	Palo Alto	Emmetsburg	Emmetsburg	Landscape Architecture, IDRO	BCOM
	Palo Alto	Emmetsburg	City of Emmetsburg	College of Engineering	всом
	Palo Alto	Graettinger	Daybreak Foods	Animal Science-Bregendahl	TAC
	Palo Alto	Graettinger	Distance Education Students = 1	Brenton Ctr for Ag Instruction	PWD
	P alo Allo	Graettinger	Distance Education Students = 1	Brenton Ctr for Ag	FWD
	Palo Alto	Ruthven	Distance Education Students = 3	Instruction	PWD
	Palo Alto	Ruthven	Ruthven Meat Processing	Meat Science Extension	PWD
	Dala Alta	Faces atabus:	James Lakes Community Callana	Agricultural Education and	OCOM
	Palo Alto Palo Alto	Emmetsburg Emmetsburg	Iowa Lakes Community College Emmetsburg	Studies Landscape Architecture,	OCOM BCOM
	alo Alto	Limitetabuly	Limitoloburg	IDRO	Societ
	Palo Alto	Emmetsberg	Iowa Lakes Community College	David Stender	FAC
	Palo Alto	Emmetsberg	Kerber Milling	David Stender	BAC
	Palo Alto	Emmetsburg	Little Learns Child Care Center	ISU Extension	PWD
	Palo Alto	Graettinger	Shaver Manufacturing Co Inc	ISUE-CIRAS	TAC
	Palo Alto Palo Alto Palo Alto Palo Alto	Graettinger Emmetsburg	Shaver Manufacturing Co Inc Little Learns Child Care Center Palo Alto Co. Livestock producers and regulators	ISUE-CIRAS Family Life Staff CTRE/CP Tech Extension CED	TAC PWD PWD TCOM
	Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto	Graettinger Emmetsburg	Shaver Manufacturing Co Inc Little Learns Child Care Center Palo Alto Co.	ISUE-CIRAS Family Life Staff CTRE/CP Tech	TAC PWD PWD TCOM OCOM
Palo Alto County	Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto 17	Graettinger Emmetsburg Emmetsburg	Shaver Manufacturing Co Inc Little Learns Child Care Center Palo Alto Co. Livestock producers and regulators Palo Alto County Auditors	ISUE-CIRAS Family Life Staff CTRE/CP Tech Extension CED Extension CED	TAC PWD PWD TCOM OCOM
Palo Alto County	Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto	Graettinger Emmetsburg Emmetsburg Le Mars	Shaver Manufacturing Co Inc Little Learns Child Care Center Palo Alto Co. Livestock producers and regulators Palo Alto County Auditors  Harker's distribution, Inc,	ISUE-CIRAS Family Life Staff CTRE/CP Tech Extension CED Extension CED Meat Science Extension	TAC PWD PWD TCOM OCOM 17
Palo Alto County	Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto 17	Graettinger Emmetsburg Emmetsburg	Shaver Manufacturing Co Inc Little Learns Child Care Center Palo Alto Co. Livestock producers and regulators Palo Alto County Auditors	ISUE-CIRAS Family Life Staff CTRE/CP Tech Extension CED Extension CED  Meat Science Extension ISU Extension ISU Extension	TAC PWD PWD TCOM OCOM
Palo Alto County	Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Mito 17 Plymouth Plymouth Plymouth Plymouth	Graettinger Emmetsburg Emmetsburg  Le Mars Le Mars Le Mars Le Mars Le Mars	Shaver Manufacturing Co Inc Little Learns Child Care Center Palo Alto Co. Livestock producers and regulators Palo Alto County Auditors  Harker's distribution, Inc, Community of Le Mars Floyd Valley Hospital Le Mars Community School	ISUE-CIRAS Family Life Staff CTRE/CP Tech Extension CED Extension CED Meat Science Extension ISU Extension ISU Extension ISU Extension	TAC PWD PWD TCOM OCOM 17 PWD PWD PWD PWD PWD PWD
Palo Alto County	Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto 17 Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth	Graettinger Emmetsburg Emmetsburg  Le Mars Le Mars Le Mars Le Mars Le Mars	Shaver Manufacturing Co Inc Little Learns Child Care Center Palo Alto Co. Livestock producers and regulators Palo Alto County Auditors  Harker's distribution, Inc, Community of Le Mars Floyd Valley Hospital Le Mars Community School American Bank	ISUE-CIRAS Family Life Staff CTRE/CP Tech Extension CED Extension CED Meat Science Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension	TAC PWD PWD TCOM OCOM 17 PWD PWD PWD PWD PWD PWD PWD PWD PWD
Palo Alto County	Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto 17 Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth	Graettinger Emmetsburg Emmetsburg  Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars	Shaver Manufacturing Co Inc Little Learns Child Care Center Palo Alto Co. Livestock producers and regulators Palo Alto County Auditors  Harker's distribution, Inc, Community of Le Mars Floyd Valley Hospital Le Mars Community School American Bank Gehlen Catholic High School	ISUE-CIRAS Family Life Staff CTRE/CP Tech Extension CED Extension CED  Meat Science Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension	TAC PWD PWD TCOM OCOM 17 PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Palo Alto County	Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto 17 Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth	Graettinger Emmetsburg Emmetsburg  Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars	Shaver Manufacturing Co Inc Little Learns Child Care Center Palo Alto Co. Livestock producers and regulators Palo Alto County Auditors  Harker's distribution, Inc, Community of Le Mars Floyd Valley Hospital Le Mars Community School American Bank Gehlen Catholic High School Medical Associates	ISUE-CIRAS Family Life Staff CTRE/CP Tech Extension CED Extension CED  Meat Science Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension	TAC PWD PWD TCOM OCOM 17 PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Palo Alto County	Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto 17 Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth	Graettinger Emmetsburg Emmetsburg  Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars	Shaver Manufacturing Co Inc Little Learns Child Care Center Palo Alto Co. Livestock producers and regulators Palo Alto County Auditors  Harker's distribution, Inc, Community of Le Mars Floyd Valley Hospital Le Mars Community School American Bank Gehlen Catholic High School	ISUE-CIRAS Family Life Staff CTRE/CP Tech Extension CED Extension CED  Meat Science Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension	TAC PWD PWD TCOM OCOM 17 PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Palo Alto County	Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto 17 Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth	Graettinger Emmetsburg Emmetsburg  Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars	Shaver Manufacturing Co Inc Little Learns Child Care Center Palo Alto Co. Livestock producers and regulators Palo Alto County Auditors Palo Alto County Auditors Harker's distribution, Inc, Community of Le Mars Floyd Valley Hospital Le Mars Community School American Bank Gehlen Catholic High School Medical Associates NIPCO	ISUE-CIRAS Family Life Staff CTRE/CP Tech Extension CED Extension CED  Meat Science Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension	TAC PWD PWD TCOM OCOM 17 PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Palo Alto County	Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto 17 Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth	Graettinger Emmetsburg Emmetsburg  Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Remsen	Shaver Manufacturing Co Inc Little Learns Child Care Center Palo Alto Co. Livestock producers and regulators Palo Alto County Auditors  Harker's distribution, Inc, Community of Le Mars Floyd Valley Hospital Le Mars Community School American Bank Gehlen Catholic High School Medical Associates NIPCO NW REC Wells Blue Bunny Remsen-Union Comm. School	ISUE-CIRAS Family Life Staff CTRE/CP Tech Extension CED Extension CED  Meat Science Extension ISU Extension	TAC PWD PWD TCOM OCOM 17 PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Palo Alto County	Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto 17 Plymouth	Graettinger Emmetsburg Emmetsburg  Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Remsen Akron	Shaver Manufacturing Co Inc Little Learns Child Care Center Palo Alto Co. Little Learns Child Care Center Palo Alto Co. Livestock producers and regulators Palo Alto County Auditors  Harker's distribution, Inc, Community of Le Mars Floyd Valley Hospital Le Mars Community School American Bank Gehlen Catholic High School Medical Associates NIPCO NW REC Wells Blue Bunny Remsen-Union Comm. School Akron Children's Center	ISUE-CIRAS Family Life Staff CTRE/CP Tech Extension CED  Extension CED  Meat Science Extension ISU Extension	TAC PWD PWD TCOM OCOM 17 PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Palo Alto County	Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto Palo Alto 17 Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth Plymouth	Graettinger Emmetsburg Emmetsburg  Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Le Mars Remsen	Shaver Manufacturing Co Inc Little Learns Child Care Center Palo Alto Co. Livestock producers and regulators Palo Alto County Auditors  Harker's distribution, Inc, Community of Le Mars Floyd Valley Hospital Le Mars Community School American Bank Gehlen Catholic High School Medical Associates NIPCO NW REC Wells Blue Bunny Remsen-Union Comm. School	ISUE-CIRAS Family Life Staff CTRE/CP Tech Extension CED Extension CED  Meat Science Extension ISU Extension	TAC PWD PWD TCOM OCOM 17 PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD

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	Plymouth	LeMars	LeMars Daycare	ISU Extension	PWD
	Plymouth	LeMars	Prime Living Apartments	ISU Extension	PWD
	Plymouth	Remsen	Mid-Sioux Opportunity	ISU Extension	PWD
	Plymouth	LeMars	Cuisine Connection	ISU Extension	PWD
	Plymouth	LeMars	Arby's Restaurant	ISU Extension	PWD
	Plymouth	LeMars	Taco John's	ISU Extension	PWD
	Plymouth	Merrill	Negron's Mexican Food	ISU Extension	PWD
	Plymouth	LeMars	School Foodservice Association-NW Iowa	ISU Extension	PWD
	Plymouth	Le Mars	Wells' Dairy Inc	ISUE-CIRAS	TAC
	Plymouth		24 election officials certified	CED	OCOM
	. iyiiloddi		2 - Greener emerale corumed	010	
	Plymouth		8 small businesses	CED (Access eCommerce)	BAC
	Plymouth	Akron	Akron Care Center	Communities Extension	OCOM
	Plymouth	Akron	Akron Children's Center	Family Life Staff	PWD
		Le Mars	American Bank	Communities Extension	OCOM
	Plymouth				PWD
	Plymouth	Le Mars	Arby's Restaurant	Families Extension	
	Plymouth	Le Mars	Cuisine Connection	Families Extension	PWD
	Plymouth		Emergency Management Agency	Lyon & Osceola Extension	OCOM
	Plymouth	Le Mars	First National Bank	Communities Extension	OCOM
	Plymouth	Le Mars	Good Samaritan Village of Le Mars	Families Extension	OCOM
	Plymouth	Remsen	Great Beginnings Preschool	Family Life Staff	PWD
	Plymouth	LeMars	Guardian Angels Preschool	Family Life Staff	PWD
	Plymouth	LeMars	Harker's Foods	Families Extension	OCOM
	Plymouth	Le Mars	Le Mars Chamber of Commerce	Communities Extension	OCOM
	Plymouth	Le Mars	Le Mars Community School	Families Extension	OCOM
	Plymouth	Le Mars	Le Mars Physical Therapy	Communities Extension	OCOM
	Plymouth	Le Mars	Le Mars Police Dept.	Families Extension	OCOM
	Plymouth	LeMars	LeMars Daycare	Family Life Staff	PWD
	Plymouth	Le Mars	Life Skills Training Center	Families Extension	ОСОМ
	Plymouth	Le Mars	McClintock Insurance Co.	Communities Extension	OCOM
	Plymouth	Remsen	Mid-Sioux Opportunity	Families Extension	PWD
			Negron's Mexican Food	Families Extension Families Extension	PWD
	Plymouth Plymouth	Merrill	NIPCO (Northwest la Power Cooperative	Agriculture Extension	FAC
		Le Mars			
	Plymouth	Le Mars	NIPCO (Northwest Ia Power Cooperative	Families Extension	OCOM
	Plymouth	Le Mars	Northwest Iowa Credit Union	Communities Extension	OCOM
	Plymouth		NW la Developers Coalition	Lyon & Osceola Extension	BCOM
	Plymouth		NW la Developers Coalition	Lyon & Osceola Extension	FAC
	Plymouth		NW la Developers Coalition	Lyon & Osceola Extension	OCOM
	Plymouth	Akron	People's Bank	Communities Extension	OCOM
	Plymouth		Plymouth County Conservation	Communities	FAC
	Plymouth	Le Mars	Plymouth Manor Care Center	Families Extension	OCOM
	Plymouth	Le Mars	Prime Living Apartments	Families Extension	PWD
	Plymouth	Le Mars	Primebank	Communities Extension	OCOM
	Plymouth	Le Mars	School Foodservice Association-NW Iowa	Families Extension	PWD
	Plymouth	Le Mars	Taco John's	Families Extension	PWD
	Plymouth	Le Mars	Williams & Co.	Communities Extension	ОСОМ
	Plymouth	Le Mars	City of LeMars	CTRE/CP Tech	PWD
		Le Mars	Plymouth Co.	CTRE/CP Tech	PWD
	Plymouth			CTRE/CP Tech	PWD
	Plymouth	Le Mars	Schlotfeldt Engineering		
	Plymouth		24 election officials certified	Extension CED	OCOM
	Plymouth		8 small businesses	Extension CED	BAC
	Plymouth		Ecumenical Institute	CD-DIAL - Sociology	BAC
				Extension	
	Plymouth		Plymouth County Auditors	Extension CED	OCOM
	Plymouth		Plymouth - ISU Extension County Office Marketing	CD-DIAL - Sociology	BAC
	1		Surveys	Extension	J
	Plymouth		Plymouth County	Extension CED	OCOM/ FAC/
			,	_	TAC
	Plymouth		Plymouth County Conservation	Extension CED	FAC
	Plymouth	Le Mars	City of LeMars - LeMars Wellness Center	Families Extension	OCOM
	Plymouth	Le Mars	Curves	Families Extension	OCOM
	Plymouth	Le Mars	Floyd Valley Hospital	Families Extension	OCOM
	Plymouth	Remsen	Mid-Sioux Opportunity	Families Extension	OCOM
					OCOM
Dhymouth Carret	Plymouth	Le Mars	Wells Dairy	Families Extension	
Plymouth County	74		0: (5 )	IDDO	74
	Pocahontas	Pocahontas	City of Pocahontas	IDRO	BCOM/ TCOM
	Pocahontas	Pocahontas	Fireplace, Inc.	College of Engineering	TAC
				Brenton Ctr for Ag	
	Pocahontas	Pocahontas	Distance Education Students = 1	Instruction	PWD
	Pocahontas	Gilmore City	Pro Cooperative	Economics, CCUR & others	FAC
<u> </u>		-			
	Pocahontas	Gilmore City	Pro Cooperative	Economics, CCUR & others	FAC
	Pocahontas	Palmer	Larry Siefken	ISURF	TT
	Pocahontas	Pocahontas	City of Pocahontas	IDRO	BCOM/ TCOM
	Pocahontas	Laurens	Bobalee Inc	ISUE-CIRAS	TAC
	Pocahontas	Laurens	Pengo	ISUE-CIRAS	TAC
	Pocahontas	Pocahontas	City of Pocahontas	Extension	BCOM
					OCOM
	Pocahontas	Pocahontas	Pocahontas Community Hospital	Extension	
	Pocahontas	Rolfe	Pocahontas County Dairy Committee	Extension	FAC
	Pocahontas	Countywide	Pocahontas County Dairy Committee	Extension	FAC
	Pocahontas	Countywide	Pocahontas County Foundation	Extension	OCOM
	Pocahontas	Laurens	Positech	ISU Extension	BAC
	Pocahontas	Countywide	Regional Economic Leadership Group	Extension	BCOM

	Pocahontas	Pocahontas	Pocahontas Co.	CTRE/CP Tech	PWD
	Pocahontas	Gilmore City	Pro Cooperative	Economics, CCUR & others	FAC
	Pocahontas		City of Pocahontas	IDRO	BAC
	Pocahontas		City of Pocahontas	IDRO	BAC
	Pocahontas		Livestock producers and regulators	Extension CED	TCOM
	Pocahontas		Pocahontas County Auditors	Extension CED	OCOM
Pocahontas County	22				2
	Polk	Johnston	ChildServe	Extension CED	PWD
	Polk	Johnston	NE Iowa Community Development Conference	Extension CED	FAC
	Polk	Johnston	Planning & Zoning Comm. Member	Extension CED, CRP	TCOM
				Extension	
	Polk	Johnston	Rain & Hail	Extension CED	PWD
	Polk	Johnston	City of Johnston	Extension CED	PWD
	Polk	Des Moines	Association of Iowa Fairs	CEED	FAC
	Polk	Des Moines	Iowa FFA Association	CEED	OCOM
	Polk	Des Moines	Iowa State Fair	CEED, OA, CYC, FS	OCOM
	Polk	Clive	Iowa Pork Producers Association	Veterinary Extension	7, 8
	Polk	Clive	National Pork Board	Veterinary Extension	3, 7, 8
	Polk	Clive	National Pork Producer Council	Veterinary Extension	3, 7, 8
	Polk	Ankeny	Iowa Veterinary Medical Association	Veterinary Extension	5, 7
	Polk	West Des Moines	Hy-Vee	College of Business	BAC
	Dalle	Clive	Jowa Digastiva Disease Center	IPRT Company Assistance- Technology Commercialization	ТТ
	Polk Polk	Clive West Des Moines	lowa Digestive Disease Center  Dave Nagel Consultant	Extension CED	PWD
	Polk	West Des Moines	unknown Feed Energy Company	Extension CED OIPTT	PWD
	Polk	Des Moines	0, , ,		BAC
	Polk	Ankeny	Ag Resources Development Group, LLC	OIPTT	FAC
	Polk	Des Moines	Iowa Department of Economic Development	OIPTT	FAC
	Polk	Urbandale	Mid-lowa SBDC	OIPTT	BCOM
	Polk	West Des Moines	Iowa Farm Bureau	OIPTT	BCOM
	Polk	West Des Moines	ABC Virtual	OIPTT	BAC
	Polk	Des Moines	McKee, Voorhees & Sease	OIPTT	FAC
	Polk	Ankeny	DMACC	OIPTT	FAC
	Polk	Des Moines	Pardee and Associates	OIPTT	FAC
	Polk	Johnston	Model Technologies	OIPTT	FAC
	Polk	Des Moines	Alliant Energy	OIPTT	FAC
	Polk	Des Moines	Iowa Association of Business and Industry	OIPTT	FAC
	Polk	Des Moines	Agri Industries	College of Business	BAC
	Polk	Des Moines	Stork Twin Cities Testing	College of Business	FAC
	Polk	Des Moines	Eagle Sign Company	College of Business	FAC
	Polk	Des Moines	Translux/Fairplay	College of Business	BAC
	Polk	Des Moines	City of Des Moines/Top Value Initiative	College of Business	FAC
	Polk	Des Moines	Harper Brush	College of Business	FAC
	Polk	Johnston	Pioneer Hybrid International	College of Business	FAC
	Polk	Des Moines	Principal Financial Group Document Services	College of Business	FAC
	Polk	Des Moines	Growmark	College of Business	BAC
	Polk	Alleman	City of Alleman	IDRO	BCOM/ TCOM
	Polk	Clive	Clive 3D GIS Training	Landscape Architecture	PWD
	Polk	Des Moines	Iowa Department of Public Health	IDRO	BCOM
	Polk	Des Moines	Mercy Capitol Hospital	Landscape Architecture	BAC
	Polk	Johnston	Administrator	CRP	TCOM
	Polk	Johnston	City Administrator	CRP	TCOM
	Polk	Johnston	City Clerk	CRP	TCOM
	Polk	Johnston	Planning & Zoning	CRP	TCOM
	Polk	Johnston	Zoning Commission	CRP	TCOM
	Polk	Mitchellville	City of Mitchellville	IDRO	BCOM
	Polk	Windsor Heights	Zoning Commission	CRP	TCOM
	Polk	Des Moines	Greater Des Moines Partnership	College of Engineering	FAC
	Polk	Des Moines	Schneckloth Group	College of Engineering	FAC
	Polk	Clive	Fischer Scientific	College of Engineering	FAC
	Polk	Johnston	Pioneer Hi-Bred International	College of Engineering	TAC
	Polk	Urbandale	Iowa Pork Producers	College of Engineering	TAC
	Polk	Des Moines	MidAmerican Energy Company	College of Engineering	TAC
	Polk	West Des Moines	Iowa Farm Bureau	College of Engineering	FAC
	Polk	Des Moines	Clement Claibourne	College of Engineering	PWD
	Polk	Des Moines	Guide One	College of Engineering	PWD
	Polk	West Des Moines	ING	College of Engineering	PWD
	Polk	Altoona	Iowa Interactive	College of Engineering	PWD
	Polk	Des Moines	Kemin Industries	College of Engineering	PWD
	Polk	Clive	Phibred	College of Engineering	PWD
	Polk	Johnston	Pioneer Hi-Bred International	College of Engineering	PWD
	Polk	Ankeny	Principal Financial Group	College of Engineering	PWD
	Polk	Urbandale	ProCAD Desgins	College of Engineering	PWD
	Polk	Ankeny	Snyder and Associates, Inc.	College of Engineering	PWD
	Polk	Altoona	Southeast Polk Community Schools	College of Engineering	PWD
	Polk	Des Moines	United Airlines	College of Engineering	PWD
	Polk	West Des Moines	Hy-Vee, Inc.	College of Engineering	PWD
			John Deere Credit	College of Engineering	PWD
	Polk	Urbandale			
	Polk Polk	Urbandale West Des Moines	Life Care Services	College of Engineering	PWD
					PWD PWD
	Polk	West Des Moines	Life Care Services	College of Engineering	
	Polk Polk	West Des Moines Des Moines	Life Care Services Meredith Corporation	College of Engineering College of Engineering	PWD

D-II.	Mart Des Maisses	Malla Fares Hama Marteaga	Callage of Engineering	DWD
Polk	West Des Moines	Wells Fargo Home Mortgage	0 0	PWD PWD
Polk	Des Moines	Compressor Controls Corporation  lowa Foundation for Medical Care	3 3 3	PWD
Polk	Ankeny		0 0	PWD
Polk	Ankeny	John Deere	College of Engineering Center for Physical and	PWD
			Computational Mathematics,	
Delle	Amlama	Iowa Association of Municipal Utilities	IPRT	тсом
Polk	Ankeny	lowa Association of Municipal Offitties	Center for Sustainable	TCOIVI
			Environmental	
Delle	Dan Mainen	James Forms Bureau		FAC
Polk	Des Moines	Iowa Farm Bureau		FAC
D-11.	Dan Malana	OMT In a	IPRT Company Assistance-	T40
Polk	Des Moines	CMT, Inc.	Materials	TAC
D "			IPRT Company Assistance-	T10
Polk	Des Moines	Dee Zee, Inc.	Materials	TAC
D "			IPRT Company Assistance-	T10
Polk	Des Moines	Hallett Materials Company	Materials	TAC
	=		IPRT Company Assistance-	T10
Polk	West Des Moines	Ten Square Global, Inc.	Materials	TAC
			IPRT Company Assistance-	T10
Polk	Des Moines	John Deere Des Moines Works	NDE	TAC
		John Deere Worldwide Agricultural Equipment	IPRT Company Assistance-	T10
Polk	Urbandale	Division	NDE	TAC
			IPRT Company Assistance-	
			Technology	
Polk	West Des Moines	Cellencor, Inc	Commercialization	TT
			Midwest Forensics Resource	
Polk	Ankeny	Des Moines Area Community College	Center, IPRT	ОСОМ
			Midwest Forensics Resource	
Polk	Des Moines	Des Moines Police Department		PWD
		Iowa Division of Criminal Investigation Crime	Midwest Forensics Resource	
Polk	Ankeny	Laboratory	Center, IPRT	ОСОМ
		Iowa Division of Criminal Investigation Crime	Midwest Forensics Resource	
Polk	Ankeny	Laboratory		PWD
			Midwest Forensics Resource	
Polk	Ankeny	Iowa Division of Criminal Investigation, DMACC	Center, IPRT	TCOM
			Virtual Reality Applications	
Polk	Des Moines	Principal Financial Group	Center, IPRT	FAC
			Virtual Reality Applications	
Polk	Des Moines	Wells Fargo	Center, IPRT	FAC
			Ag and Biosystems	
Polk	Ankeny	AGS, Inc.	Engineering & CCUR	TAC
Polk	Ankeny	Ankeny Cold Storage LLC	Meat Science Extension	PWD
Polk	Des Moines	Brewer Meats, Inc.	Meat Science Extension	PWD
Polk	Altoona	CAI Students	Crop Advisor Institute	PWD
		OAI Olddellis		
Polk	Des Moines	City of Des Moines		BCOM, OCOM
Polk				
Polk Polk			NREM	
	Des Moines	City of Des Moines	NREM Agricultural & Biosystem	BCOM, OCOM
	Des Moines	City of Des Moines	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and	BCOM, OCOM
Polk	Des Moines  Des Moines	City of Des Moines  Cummins Central Power	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS	BCOM, OCOM TAC
Polk Polk	Des Moines  Des Moines  Des Moines	City of Des Moines  Cummins Central Power  DeeZee Manufacturing	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension	BCOM, OCOM TAC TAC
Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines	City of Des Moines  Cummins Central Power  DeeZee Manufacturing  Des Moines teachers	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension	BCOM, OCOM TAC TAC PWD
Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines	City of Des Moines  Cummins Central Power  DeeZee Manufacturing  Des Moines teachers	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag	BCOM, OCOM TAC TAC PWD
Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr for Ag	BCOM, OCOM TAC TAC PWD PWD PWD
Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Clive	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr for Ag	BCOM, OCOM  TAC  TAC  PWD  PWD
Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman	City of Des Moines  Cummins Central Power  DeeZee Manufacturing  Des Moines teachers  Distance education student - BRT 501  Distance Education Students = 1	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag	BCOM, OCOM  TAC  TAC  PWD  PWD  PWD
Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman	City of Des Moines  Cummins Central Power  DeeZee Manufacturing  Des Moines teachers  Distance education student - BRT 501  Distance Education Students = 1	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag	BCOM, OCOM TAC TAC PWD PWD PWD
Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag	BCOM, OCOM  TAC  TAC  PWD  PWD  PWD  PWD
Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction	BCOM, OCOM  TAC  TAC  PWD  PWD  PWD
Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville  Ankeny	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag	BCOM, OCOM  TAC  TAC  PWD  PWD  PWD  PWD  PWD  PWD
Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag	BCOM, OCOM  TAC  TAC  PWD  PWD  PWD  PWD
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville  Ankeny	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag	BCOM, OCOM TAC TAC PWD PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville  Ankeny	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction	BCOM, OCOM  TAC  TAC  PWD  PWD  PWD  PWD  PWD  PWD
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville  Ankeny  West Des Moines	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 10  Distance Education Students = 14  Distance Education Students = 14	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag	BCOM, OCOM  TAC  TAC  PWD  PWD  PWD  PWD  PWD  PWD  PWD  PW
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville  Ankeny  West Des Moines	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 10  Distance Education Students = 14	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag	BCOM, OCOM TAC TAC PWD PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville  Ankeny  West Des Moines  Clive	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 10  Distance Education Students = 14  Distance Education Students = 14	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag	BCOM, OCOM  TAC  TAC  PWD  PWD  PWD  PWD  PWD  PWD  PWD  PW
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville  Ankeny  West Des Moines  Clive	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 10  Distance Education Students = 14  Distance Education Students = 14	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction	BCOM, OCOM  TAC  TAC  PWD  PWD  PWD  PWD  PWD  PWD  PWD  PW
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville  Ankeny  West Des Moines  Clive  Polk City	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 10  Distance Education Students = 14  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 2	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag	BCOM, OCOM  TAC  TAC  PWD  PWD  PWD  PWD  PWD  PWD  PWD  PW
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville  Ankeny  West Des Moines  Clive  Polk City	City of Des Moines  Cummins Central Power  DeeZee Manufacturing  Des Moines teachers  Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 10  Distance Education Students = 14  Distance Education Students = 2  Distance Education Students = 2	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction	BCOM, OCOM  TAC  TAC  PWD  PWD  PWD  PWD  PWD  PWD  PWD  PW
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville  Ankeny  West Des Moines  Clive  Polk City  Des Moines  Bondurant	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 10  Distance Education Students = 14  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 28  Distance Education Students = 3	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag	BCOM, OCOM TAC TAC PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville  Ankeny  West Des Moines  Clive  Polk City  Des Moines	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 10  Distance Education Students = 14  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 2	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction	BCOM, OCOM  TAC  TAC  PWD  PWD  PWD  PWD  PWD  PWD  PWD  PW
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville  Ankeny  West Des Moines  Clive  Polk City  Des Moines  Bondurant  Grimes	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 10  Distance Education Students = 14  Distance Education Students = 12  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 28  Distance Education Students = 3  Distance Education Students = 3  Distance Education Students = 4	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr for Ag	BCOM, OCOM  TAC  TAC  PWD  PWD  PWD  PWD  PWD  PWD  PWD  PW
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville  Ankeny  West Des Moines  Clive  Polk City  Des Moines  Bondurant	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 10  Distance Education Students = 14  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 28  Distance Education Students = 3	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction	BCOM, OCOM TAC TAC PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville  Ankeny  West Des Moines  Clive  Polk City  Des Moines  Bondurant  Grimes	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 10  Distance Education Students = 14  Distance Education Students = 12  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 28  Distance Education Students = 3  Distance Education Students = 3  Distance Education Students = 4  Distance Education Students = 5	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr for Ag	BCOM, OCOM  TAC  TAC  PWD  PWD  PWD  PWD  PWD  PWD  PWD  PW
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville  Ankeny  West Des Moines  Clive  Polk City  Des Moines  Bondurant  Grimes	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 10  Distance Education Students = 14  Distance Education Students = 12  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 28  Distance Education Students = 3  Distance Education Students = 3  Distance Education Students = 4	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction	BCOM, OCOM  TAC  TAC  PWD  PWD  PWD  PWD  PWD  PWD  PWD  PW
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville  Ankeny  West Des Moines  Clive  Polk City  Des Moines  Bondurant  Grimes  Altoona	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 10  Distance Education Students = 14  Distance Education Students = 12  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 28  Distance Education Students = 3  Distance Education Students = 4  Distance Education Students = 5  Distance Education Students = 5  Distance Education Students = 5	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction	BCOM, OCOM  TAC  TAC  PWD  PWD  PWD  PWD  PWD  PWD  PWD  PW
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville  Ankeny  West Des Moines  Clive  Polk City  Des Moines  Bondurant  Grimes  Altoona	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 10  Distance Education Students = 14  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 3  Distance Education Students = 3  Distance Education Students = 4  Distance Education Students = 5  Distance Education Students = 5  Distance Education Students = 6	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction	BCOM, OCOM  TAC  TAC  PWD  PWD  PWD  PWD  PWD  PWD  PWD  PW
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville  Ankeny  West Des Moines  Clive  Polk City  Des Moines  Bondurant  Grimes  Altoona  Johnston	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 10  Distance Education Students = 14  Distance Education Students = 12  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 28  Distance Education Students = 3  Distance Education Students = 4  Distance Education Students = 5  Distance Education Students = 5  Distance Education Students = 5	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction	BCOM, OCOM  TAC  TAC  PWD  PWD  PWD  PWD  PWD  PWD  PWD  PW
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville  Ankeny  West Des Moines  Clive  Polk City  Des Moines  Bondurant  Grimes  Altoona  Johnston  Urbandale	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 10  Distance Education Students = 14  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 3  Distance Education Students = 3  Distance Education Students = 4  Distance Education Students = 5  Distance Education Students = 5  Distance Education Students = 6	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction	BCOM, OCOM  TAC  TAC  PWD  PWD  PWD  PWD  PWD  PWD  PWD  PW
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville  Ankeny  West Des Moines  Clive  Polk City  Des Moines  Bondurant  Grimes  Altoona  Johnston  Urbandale	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 10  Distance Education Students = 14  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 3  Distance Education Students = 3  Distance Education Students = 4  Distance Education Students = 5  Distance Education Students = 5  Distance Education Students = 6	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction	BCOM, OCOM  TAC  TAC  PWD  PWD  PWD  PWD  PWD  PWD  PWD  PW
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville  Ankeny  West Des Moines  Clive  Polk City  Des Moines  Bondurant  Grimes  Altoona  Johnston  Urbandale  Des Moines	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 10  Distance Education Students = 14  Distance Education Students = 12  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 3  Distance Education Students = 3  Distance Education Students = 4  Distance Education Students = 5  Distance Education Students = 5  Distance Education Students = 5  Distance Education Students = 6  FEC Solutions	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction	BCOM, OCOM  TAC  TAC  PWD  PWD  PWD  PWD  PWD  PWD  PWD  PW
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville  Ankeny  West Des Moines  Clive  Polk City  Des Moines  Bondurant  Grimes  Altoona  Johnston  Urbandale  Des Moines	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 10  Distance Education Students = 14  Distance Education Students = 12  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 3  Distance Education Students = 3  Distance Education Students = 4  Distance Education Students = 5  Distance Education Students = 5  Distance Education Students = 5  Distance Education Students = 6  FEC Solutions	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr For Ag Instruction Brenton Ctr For Ag Instruction Brenton Ctr For Ag Instruction Brenton Ctr For Ag Instruction Brenton Ctr For Ag Instruction Brenton Ctr For Ag Instruction Brenton Ctr For Ag Instruction Brenton Ctr For Ag Instruction Brenton Ctr For Ag Instruction Brenton Ctr For Ag Instruction Brenton Ctr For Ag Instruction Brenton Ctr For Ag Instruction	BCOM, OCOM  TAC  TAC  PWD  PWD  PWD  PWD  PWD  PWD  PWD  PW
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville  Ankeny  West Des Moines  Clive  Polk City  Des Moines  Bondurant  Grimes  Altoona  Johnston  Urbandale  Des Moines  Des Moines	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 10  Distance Education Students = 14  Distance Education Students = 12  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 3  Distance Education Students = 3  Distance Education Students = 5  Distance Education Students = 5  Distance Education Students = 6  FEC Solutions  Feed Energy Company	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction CCUR Animal Science-Bregendahl Agricultural & Biosystem	BCOM, OCOM  TAC  TAC  PWD  PWD  PWD  PWD  PWD  PWD  PWD  PW
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines  Des Moines  Des Moines  Des Moines  Des Moines  Clive  Alleman  Elkhart  Mitchellville  Ankeny  West Des Moines  Clive  Polk City  Des Moines  Bondurant  Grimes  Altoona  Johnston  Urbandale  Des Moines  Des Moines  Des Moines	City of Des Moines  Cummins Central Power  DeeZee Manufacturing Des Moines teachers Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 10  Distance Education Students = 10  Distance Education Students = 12  Distance Education Students = 12  Distance Education Students = 14  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 2  Distance Education Students = 28  Distance Education Students = 3  Distance Education Students = 4  Distance Education Students = 5  Distance Education Students = 5  Distance Education Students = 6  FEC Solutions  Feed Energy Company	NREM Agricultural & Biosystem Engineering - STIR Joseph Chen - ABE and CIRAS Families Extension OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr	BCOM, OCOM  TAC  TAC PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD

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	Delle	lahaataa	Genetic Enterprises, Inc. (GEI)	Food Science and Human Nutrition	TAC
	Polk Polk	Johnston Des Moines	Graziano Brothers, Inc.	Meat Science Extension	PWD
	Polk	Des Moines	Iowa Athletic Directors Association	Families Extension	PWD
	Polk	Des Moines	Iowa Business Council Biomass Working Group	CCUR	FAC
	Polk	Altoona	Iowa Cold Storage	Meat Science Extension	PWD
	Polk	Des Moines	Iowa Community Ed Association	Families Extension	PWD
	Polk	Johnston	Iowa Corn Promotion Board	CCUR	FAC
	Polk	West Des Moines	Iowa Farm Bureau Federation	Economics & CCUR	TAC
	Polk	Des Moines	Iowa Nursery and Landscape Association	Department of Horticulture	PWD
	Polk	Des Moines	Iowa Pacific Processors	Meat Science Extension	PWD
I				US Pork Center of	
ļ	Polk	Clive	Iowa Pork Producers Association	Excellence	TAC
<u> </u>	Polk	West Des Moines	Iowa Pork Producers Association	SEU - CDFIN	FAC
<b></b>	Polk	Johnston	Iowa Renewable Fuels Association Board	OBP, CCUR & others	FAC
	Polk	Urbandale	Iowa Soybean Association	CCUR and FSHN	FAC
İ	Polk	Adel	lowa Spring Manufacturing	Joseph Chen - ABE and CIRAS	TAC
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	Polk	Johnston	Johnston High School	ABE (PLTW)	ОСОМ
	Polk	Clive	KCQ Foods	SEU - CDFIN	TAC
	Polk	Des Moines	Kemin	Animal Science-Lamont	TAC
	Polk	Des Moines	Kemin	CCUR	FAC
	Polk	Des Moines	Kemin Industries	SEU - CDFIN	TAC
	Polk	Des Moines	Kemin Nutrisurance	Animal Science	TAC
				Joseph Chen - ABE and	
	Polk	Des Moines	Keystone EMC	CIRAS	TAC
				Agricultural & Biosystem	
	Polk	Des Moines	Mater Builder of Iowa	Engineering - STIR	FAC
	Polk	West Des Moines	Newsham Genetics, LC	Animal Science-Dekkers	TAC, PWD
	Polk	Des Moines	Pine Ridge Farms	Meat Science Extension	PWD
	Polk	Johnston	Pioneer	CCUR	FAC
	Polk	Johnston	Pioneer	SEU - CDFIN	TAC
	Polk	Johnston	Pioneer Hi-bred	Animal Science-Dekkers	TAC, PWD
	Polk	Johnston	Pioneer Hi-Breed Inter.	Agricultural & Biosystem Engineering - STIR	TAC
	Polk	Johnston	Pioneer Hybrid	Agron	PWD
	Polk	Ankeny	Proliant	CCUR and FSHN	FAC
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	Polk	Des Moines	Quality Manufacturing Corporation	CIRAS	TAC
	Polk	Des Moines	Soy Innovations	Meat Science Extension	PWD
	Polk	Des Moines	Soy Innovations International	FSHN	TAC
	Polk	Des Moines	Stork Townsend	Meat Science Extension	PWD
	Polk	Urbandale	The Soyfoods Council	CCUR and FSHN	FAC
				Agricultural Education and	
	Polk	Des Moines	Iowa FFA Association	Studies	ОСОМ
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	Polk Polk	Des Moines  Des Moines	Iowa FFA Association  AgrowKnowledgeNational Center	Studies Agricultural Education and Studies	ОСОМ
	Polk	Des Moines	AgrowKnowledgeNational Center	Studies Agricultural Education and Studies Agricultural Education and	ОСОМ
				Studies Agricultural Education and Studies Agricultural Education and Studies Studies	
	Polk Polk	Des Moines Ankeny	AgrowKnowledgeNational Center  Des Moines Community College	Studies Agricultural Education and Studies Agricultural Education and Studies Agricultural Education and	ОСОМ
	Polk	Des Moines	AgrowKnowledgeNational Center	Studies Agricultural Education and Studies Agricultural Education and Studies Agricultural Education and Studies Agricultural Education and Studies	ОСОМ
	Polk Polk	Des Moines Ankeny Des Moines	AgrowKnowledgeNational Center  Des Moines Community College  Iowa State Fair Blue Ribbon Board	Studies Agricultural Education and Studies Agricultural Education and Studies Agricultural Education and Studies Agricultural Education and Studies Agricultural Education and	OCOM OCOM FAC
	Polk Polk	Des Moines Ankeny	AgrowKnowledgeNational Center  Des Moines Community College	Studies Agricultural Education and Studies Agricultural Education and Studies Agricultural Education and Studies Agricultural Education and Studies Agricultural Education and Studies	ОСОМ
	Polk Polk Polk Polk	Des Moines  Ankeny  Des Moines  West Des Moines	AgrowKnowledgeNational Center  Des Moines Community College  Iowa State Fair Blue Ribbon Board  National Pork Board	Studies Agricultural Education and Studies Agricultural Education and Studies Agricultural Education and Studies Agricultural Education and Studies Agricultural Education and Studies Agricultural Education and	OCOM OCOM FAC
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Polk	West Des Moines	Schillinger Seed, Inc.	ISURF	ТТ
Polk	Alleman	City of Alleman	IDRO	BCOM/ TCOM
Polk	Ankeny	Ankeny	Extension CED	TCOM/ OCOM
Polk	Ankeny	City of Ankeny	Extension CED	TCOM
Polk	Clive	Clive	Extension CED	TCOM
Polk	Clive	Clive 3D GIS Training	Extension CED, Landscape	PWD
			Architecture Extension	
Polk	Des Moines	Immigrant Network of Iowa	Extension CED	OCOM
Polk	Des Moines	African American Service Providers	Extension CED	TCOM
Polk	Des Moines	American Legion Auxiliary	Extension CED	PWD
Polk	Des Moines	Compassion Iowa - Nonprofit Management Academy	Extension CED	PWD
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Polk	Des Moines	Des Moines	Extension CED	FAC/ OCOM/
FUIK	Des Montes	Des Mollies	Extension CED	PWD/ TCOM
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Polk	Des Moines	Des Moines Fire Department	Extension CED	PWD
Polk	Des Moines	Iowa Department of Public Health	IDRO	BCOM
 Polk	Des Moines	Iowa Homeless Youth Centers	Extension CED	ОСОМ
Polk	Des Moines	Iowa Sister States	Extension CED	PWD
Polk	Des Moines	L.U.N.A.	Extension CED	PWD
Polk	Des Moines	Latinos Unidos	Extension CED	BAC
Polk	Des Moines	Lutheran Services In Iowa	Extension CED	PWD
Polk	Des Moines	Mercy Capitol Hospital	Landscape Architecture	BAC
		/	Extension	
Polk	Des Moines	NE Iowa Community Development Conference	Extension CED	FAC
Polk	Des Moines	Partnership Young Professionals	Extension CED	FAC
		Polk County Extension		
Polk	Des Moines		Extension CED	PWD
Polk	Des Moines	Senior College Greater DM	Extension CED	PWD
Polk	Des Moines	The Heart Connection Children Cancer Programs	Extension CED	PWD
Polk	Des Moines	United Way of Central Iowa	CD-DIAL - Sociology	OCOM
			Extension	
Polk	Des Moines	unknown	Extension CED	PWD
Polk	Des Moines	Polk County Health Department	Extension CED	PWD
				PWD
Polk	Des Moines	David L. Dahlquist Associates, LLC	Extension CED	
Polk	Johnston	Administrator	Extension CED, CRP	тсом
			Extension	
Polk	Johnston	City Administrator	Extension CED, CRP	TCOM
			Extension	
Polk	Johnston	City Clerk	Extension CED, CRP	TCOM
			Extension	
Polk	Johnston	Planning & Zoning	Extension CED, CRP	ТСОМ
	0011101011	I talling a zormig	Extension	
Polk	Johnston	Zoning Commission	Extension CED, CRP	тсом
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			Extension	
Polk	Mitchellville	City of Mitchellville	IDRO	BCOM
Polk	Mitchellville	Mitchellville	Extension CED, CRP	TCOM
			Extension	
Polk	Pleasant Hill	City of Pleasant Hill, IA	CD-DIAL - Sociology	BCOM
			Extension	
Polk	Pleasant Hill	Iowa Family Policy Center	Extension CED	PWD
Polk	Pleasant Hill	unknown	Extension CED	PWD
Polk	Polk City	Polk City	Extension CED	TCOM/ OCOM
Polk	Windsor Heights	(confidential name)	Extension CED	PWD
Polk	Windsor Heights	Zoning Commission	Extension CED, CRP	тсом
			Extension	
 Polk		Iowa Area Development Group	Extension CED	FAC/ BCOM
 Polk		Silos & Smokestacks National Heritage Area	Extension CED	OCOM
Polk	Des Moines	Department of Veteran's Affairs	4-H Operation: Military Kids	ОСОМ
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Polk	Des Moines	Iowa School Counselors' Association	4-H Operation: Military Kids	осом
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D-II.	Litate and dist	lowa Community Empowerment coordinators and	4110	00011
Polk	Urbandale	contacts	4-H Operation: Military Kids	OCOM
 Polk	Des Moines	The Home Connection, Des Moines	Johnson County Extension	PWD
 Polk	Ankeny	John Deere Ankeny Works	ANR Extension	PWD
	-		Midwest Grape & Wine	
Polk	Des Moines	Iowa Wine Growers Assn	Industry Institute	FAC
			Midwest Grape & Wine	
Polk	Dos Moinos	IA Grape & Wine Development Comm.	Industry Institute	FAC
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Polk	Des Moines	Farmers Mutual Rain & Hail Insurance	Industry Institute	BAC
			Midwest Grape & Wine	
Polk	Ankeny	Iowa Alcohol & Beverage Division	Industry Institute	FAC
 1 OIK	In a second	Chamber of Commerce	Polk County Extension	BCOM
Polk	Urbandale		,	TAC
Polk		Triple F - Soy Innovations	POIK COUNTY EXTENSION	
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Polk	Clive	Applebee's	ISU Extension ISU Extension	PWD PWD
Polk	West Des Moines	Applebee's	ISU Extension	PWD
Polk	Des Moines	Burger King		PWD
Polk	Des Moines	Centro	ISU Extension	PWD
Polk	Des Moines	Cold Stone Creamery	ISU Extension	
Polk	Des Moines	Comfort Suites	ISU Extension	PWD
Polk	Des Moines	Community Support Advocates	ISU Extension	PWD
Polk	Des Moines	Consolidated Management Co.	ISU Extension	PWD
Polk	Altoona	Court Yard Estates	ISU Extension	PWD
Polk	Ankeny	Culver's of Ankeny	ISU Extension	PWD
Polk	Des Moines	Culver's of Des Moines	ISU Extension	PWD
Polk	West Des Moines	Culver's of West Des Moines #2	ISU Extension	PWD
Polk	Grimes	Dallas Center-Grimes Schools	ISU Extension	PWD
Polk	Des Moines	Des Moines Marriott Hotel	ISU Extension	PWD
Polk	Des Moines	Embassy Suites Hotel	ISU Extension	PWD
Polk	Clive	Entrees Made Easy	ISU Extension	PWD
Polk	Urbandale	Fogarty Enterprises, LLC	ISU Extension	PWD
Polk	Bondurant	Geisler Farms	ISU Extension	PWD
Polk	Altoona	Grandma Max's	ISU Extension	PWD
Polk	West Des Moines	Huhot Mongolian Grill	ISU Extension	PWD
Polk	Urbandale	Iowa Machine Shed	ISU Extension	PWD
Polk	Des Moines	Jimmy's Pizza	ISU Extension	PWD
Polk	West Des Moines	Joseph's Steakhouse	ISU Extension	PWD
Polk	Urbandale	Living History Farms	ISU Extension	PWD
Polk	West Des Moines	Macaroni Grill	ISU Extension	PWD
Polk	Ankeny	New Horizons Adult Day Center	ISU Extension	PWD
Polk	Des Moines	Palmer's Deli	ISU Extension	PWD
	West Des Moines	Panda Express	ISU Extension	PWD
Polk	West Des Moines Grimes			PWD
Polk		Pilot Travel Centers	ISU Extension	
Polk	Des Moines	Polk County Jail	ISU Extension	PWD
Polk	Des Moines	Polk County Youth Services	ISU Extension	PWD
Polk	Des Moines	REL LLC	ISU Extension	PWD
Polk	Runnells	SE Polk Community Schools	ISU Extension	PWD
Polk	Pleasant Hill	SE Polk Community Schools	ISU Extension	PWD
Polk	Des Moines	Skip's Inc.	ISU Extension	PWD
Polk	Des Moines	Spaghettis	ISU Extension	PWD
Polk	Des Moines	Splash Seafood Bar & Grill	ISU Extension	PWD
Polk	Des Moines	Taco Bell/QSR	ISU Extension	PWD
Polk	Johnston	Texas Roadhouse	ISU Extension	PWD
Polk	Des Moines	The Rose of Des Moines	ISU Extension	PWD
Polk	West Des Moines	Treat of America Food Services	ISU Extension	PWD
Polk	West Des Moines	When Pigs Fly	ISU Extension	PWD
Polk	Des Moines	Windsor Windows	ISU Extension	TAC
Polk	Des Moines	Pine Ridge Farms	ISUE-CIRAS	TAC
Polk	Des Moines	SuperFlow Technologies Group	ISUE-CIRAS	TAC
Polk		Event in Polk County	ISUE-CIRAS	TAC
Polk	Des Moines	Chem-Tech Ltd	ISUE-CIRAS	TAC
Polk	Des Moines	SuperFlow Technologies Group	ISUE-CIRAS	TAC
Polk	Des Moines	Trans-Lux Fair-Play	ISUE-CIRAS	TAC
Polk	Des Moines	Trans-Lux Fair-Play	ISUE-CIRAS	TAC
Polk	Des Moines	Hallett Materials	ISUE-CIRAS	TAC
Polk	Des Moines	Meredith Corp	ISUE-CIRAS	TAC
Polk	Des Moines	Meredith Corp	ISUE-CIKAS	
Polk	Des Moines	INTEREGILIT COID	ICLIE CIDAC	
	Dec Maines		ISUE-CIRAS	TAC
	Des Moines	Trans-Lux Fair-Play	ISUE-CIRAS	TAC TAC
Polk	Des Moines Clive	Trans-Lux Fair-Play Corrugated Solutions LLC	ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC
Polk Polk		Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC
Polk Polk Polk		Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County Event in Polk County	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC FAC
Polk Polk Polk Polk		Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County Event in Polk County Event in Polk County	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC FAC FAC
Polk Polk Polk Polk Polk Polk		Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County Event in Polk County Event in Polk County Event in Polk County	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC FAC FAC FAC
Polk Polk Polk Polk Polk Polk Polk		Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC FAC FAC FAC FAC
Polk Polk Polk Polk Polk Polk Polk Polk		Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC FAC FAC FAC FAC FAC FAC FAC
Polk Polk Polk Polk Polk Polk Polk Polk		Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC FAC FAC FAC FAC FAC FAC FAC FAC FAC F
Polk Polk Polk Polk Polk Polk Polk Polk		Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC FAC FAC FAC FAC FAC FAC FAC FAC FAC F
Polk Polk Polk Polk Polk Polk Polk Polk		Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC FAC FAC FAC FAC FAC FAC FAC FAC FAC F
Polk Polk Polk Polk Polk Polk Polk Polk		Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC FAC FAC FAC FAC FAC FAC FAC FAC FAC F
Polk Polk Polk Polk Polk Polk Polk Polk		Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC FAC FAC FAC FAC FAC FAC FAC FAC FAC F
Polk Polk Polk Polk Polk Polk Polk Polk		Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County Event in Polk County	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC FAC FAC FAC FAC FAC FAC FAC FAC FAC F
Polk Polk Polk Polk Polk Polk Polk Polk		Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County Kurtz Hardware Company	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC FAC FAC FAC FAC FAC FAC FAC FAC FAC F
Polk Polk Polk Polk Polk Polk Polk Polk	Clive	Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC FAC FAC FAC FAC FAC FAC FAC FAC FAC F
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines Des Moines West Des Moines	Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County Kurtz Hardware Company	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC FAC FAC FAC FAC FAC FAC FAC FAC FAC F
Polk Polk Polk Polk Polk Polk Polk Polk	Clive  Des Moines  Des Moines	Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC BAC FAC FAC FAC FAC FAC FAC FAC FAC FAC F
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines Des Moines West Des Moines	Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County	ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC BAC FAC FAC FAC FAC FAC FAC FAC FAC FAC F
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines Des Moines West Des Moines Des Moines	Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County Event	ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC BAC FAC FAC FAC FAC FAC FAC FAC FAC FAC BAC FAC FAC FAC FAC FAC FAC FAC FAC FAC F
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines	Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County Event	ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC BAC FAC FAC FAC FAC FAC FAC FAC FAC FAC BAC FAC FAC FAC FAC FAC FAC FAC FAC FAC F
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines Des Moines West Des Moines Des Moines Des Moines Des Moines Des Moines Ankeny	Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County Event	ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC BAC FAC FAC FAC FAC FAC FAC FAC FAC BAC FAC FAC BAC BAC BAC BAC BAC BAC BAC BAC BAC B
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines Des Moines West Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines	Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County Event	ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC FAC FAC FAC FAC FAC FAC FAC BAC FAC FAC FAC FAC FAC FAC FAC FAC FAC F
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines	Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County Event	ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC FAC FAC FAC FAC FAC FAC FAC BAC BAC BAC BAC BAC BAC BAC BAC BAC B
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines Des Moines Des Moines West Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines	Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County Event	ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC FAC FAC FAC FAC FAC FAC FAC FAC BAC FAC FAC FAC FAC FAC FAC BAC BAC BAC BAC BAC BAC BAC BAC BAC B
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines Des Moines West Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines	Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County Event	ISUE-CIRAS ISUE-CIRAS	TAC TAC TAC BAC BAC BAC FAC FAC FAC FAC FAC FAC FAC FAC BAC BAC BAC BAC BAC BAC BAC BAC BAC B
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines	Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County Event	ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC FAC FAC FAC FAC FAC FAC FAC BAC BAC BAC BAC BAC BAC BAC BAC BAC B
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines	Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County Event	ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC FAC FAC FAC FAC FAC FAC FAC BAC BAC BAC BAC BAC BAC BAC BAC BAC B
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines Des Moines Des Moines West Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines	Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County Event	ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC FAC FAC FAC FAC FAC FAC FAC BAC BAC BAC BAC BAC BAC BAC BAC BAC B
Polk Polk Polk Polk Polk Polk Polk Polk	Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines	Trans-Lux Fair-Play Corrugated Solutions LLC Event in Polk County Event	ISUE-CIRAS ISUE-CIRAS	TAC TAC BAC BAC FAC FAC FAC FAC FAC FAC FAC BAC BAC BAC BAC BAC BAC BAC BAC BAC B

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Polk	Des Moines	Ron's Horseshoeing	ISUE-CIRAS	BAC
Polk	Urbandale	Strix Systems, Inc.	ISUE-CIRAS	BAC
Polk	Des Moines	Dejear Enterprises, LLC	ISUE-CIRAS	BAC
Polk	West Des Moines	Wolf Construction	ISUE-CIRAS	BAC
Polk	Des Moines	Storey-Kenworthy Company	ISUE-CIRAS	BAC
Polk	Johnston	Talent Acquisition Group, LLC	ISUE-CIRAS	BAC
Polk	Ankeny	AgResources Development Group	ISUE-CIRAS	BAC
Polk	Des Moines	210 Communications	ISUE-CIRAS	BAC
Polk	Clive	Diversified Contracting Service	ISUE-CIRAS	BAC
Polk	Urbandale	L and S Custom Cycles	ISUE-CIRAS	BAC
Polk	Mitchellville	Royal Delivery	ISUE-CIRAS	BAC
Polk	Grimes	Premier Concrete Pumping	ISUE-CIRAS	BAC
Polk	Grimes	Abaci Consulting, Inc.	ISUE-CIRAS	BAC
Polk	Des Moines	Betty Andrews Media	ISUE-CIRAS	BAC
Polk	West Des Moines	Rosway Enterprise LLC	ISUE-CIRAS	BAC
Polk	Clive	Spectrum Prosthetics and Orthotics, Inc.	ISUE-CIRAS	BAC
Polk	Des Moines	SuperFlow Technologies Group	ISUE-CIRAS	BAC
			ISUE-CIRAS	BAC
Polk	West Des Moines	Goodrich Corp		
Polk		Event in Polk County	ISUE-CIRAS	BAC
Polk		Event in Polk County	ISUE-CIRAS	BAC
Polk		Event in Polk County	ISUE-CIRAS	BAC
 Polk		Event in Polk County	ISUE-CIRAS	BAC
Polk	Des Moines	Trans-Lux Fair-Play	ISUE-CIRAS	TAC
Polk	Urbandale	Compressor Controls Corp	ISUE-CIRAS	TAC
 Polk	Urbandale	Quality Manufacturing Corp.	ISUE-CIRAS	TAC
 Polk	Clive	Fawn Engineering Corp	ISUE-CIRAS	TAC
Polk	Des Moines	Firestone Agricultural Tire Co	ISUE-CIRAS	TAC
Polk	Des Moines	Trans-Lux Fair-Play	ISUE-CIRAS	TAC
Polk	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Event in Polk County	ISUE-CIRAS	TAC
Polk	Clive	Fawn Engineering Corp	ISUE-CIRAS	TAC
Polk	Clive	Fawn Engineering Corp	ISUE-CIRAS	TAC
Polk	Clive	Fawn Engineering Corp	ISUE-CIRAS	TAC
Polk	Des Moines	Kurtz Hardware Company	ISUE-CIRAS	TAC
 Polk	Ankeny	John Deere and Co Inc	ISUE-CIRAS	TAC
Polk	Ankeny	John Deere and Co Inc	ISUE-CIRAS	TAC
Polk	Ankeny	John Deere and Co Inc	ISUE-CIRAS	TAC
Polk	Des Moines	Trans-Lux Fair-Play	ISUE-CIRAS	TAC
Polk	Urbandale	Quality Manufacturing Corp.	ISUE-CIRAS	TAC
Polk	Ankeny	Tone's Spices	ISUE-CIRAS	TAC
Polk		Event in Polk County	ISUE-CIRAS	TAC
Polk	Altoona	Altoona City Hall	CTRE/CP Tech	PWD
Polk	Altoona	City of Altoona	CTRE/CP Tech	PWD
Polk	Ankeny	Allender Butzke Engineers	CTRE/CP Tech	PWD
Polk		ÿ	CTRE/CP Tech	PWD
	Ankeny	Assn.		
Polk	Ankeny	BASF Admixtures, Inc.	CTRE/CP Tech	PWD
Polk	Ankeny	CGA	CTRE/CP Tech	PWD
 Polk	Ankeny	City of Ankeny	CTRE/CP Tech	PWD
Polk	Ankeny	Clapsaddle-Garber Associates, Inc.	CTRE/CP Tech	PWD
Polk	Ankeny	Fox Engineering	CTRE/CP Tech	PWD
Polk	Ankeny	Howard R. Green Co.	CTRE/CP Tech	PWD
Polk	Ankeny	Iowa Concrete Paving	CTRE/CP Tech	PWD
Polk	Ankeny	Iowa DOT	CTRE/CP Tech	PWD
Polk	Ankeny	Iowa Ready Mix Concrete Assn.	CTRE/CP Tech	PWD
Polk	Ankeny	IRMCA	CTRE/CP Tech	PWD
Polk	Ankeny	MO/KS Chapter ACPA	CTRE/CP Tech	
Polk	Alikeliy	INOTIO CHAPTEL AUFA		
IF UIK	Ankony	Poady Mix Concrete Co		PWD
	Ankeny	Ready Mix Concrete Co.	CTRE/CP Tech	PWD PWD
Polk	Ankeny	S & Á	CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD
Polk Polk	Ankeny Ankeny	S & A Snyder & Associates, Inc.	CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD
Polk Polk Polk	Ankeny Ankeny Ankeny	S & A Snyder & Associates, Inc. Stanley Consultants	CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk	Ankeny Ankeny Ankeny Bondurant	S & A  Snyder & Associates, Inc.  Stanley Consultants  City of Bondurant	CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk Polk Polk	Ankeny Ankeny Ankeny Bondurant Clive	S & Á Snyder & Associates, Inc. Stanley Consultants City of Bondurant City of Clive	CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk	Ankeny Ankeny Ankeny Bondurant	S & Á Snyder & Associates, Inc. Stanley Consultants City of Bondurant City of Clive Ahlers and Conney	CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk Polk Polk	Ankeny Ankeny Ankeny Bondurant Clive Des Moines Des Moines	S & Á Snyder & Associates, Inc. Stanley Consultants City of Bondurant City of Clive Ahlers and Conney American Concrete	CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk Polk Polk Polk	Ankeny Ankeny Ankeny Bondurant Clive Des Moines	S & Á Snyder & Associates, Inc. Stanley Consultants City of Bondurant City of Clive Ahlers and Conney	CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk Polk Polk Polk Polk	Ankeny Ankeny Ankeny Bondurant Clive Des Moines Des Moines	S & Á Snyder & Associates, Inc. Stanley Consultants City of Bondurant City of Clive Ahlers and Conney American Concrete	CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk Polk Polk Polk Polk	Ankeny Ankeny Ankeny Bondurant Clive Des Moines Des Moines Des Moines Des Moines	S & Á Snyder & Associates, Inc. Stanley Consultants City of Bondurant City of Clive Ahlers and Conney American Concrete BASF Admixtures, Inc. City of Des Moines	CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk Polk Polk Polk Polk	Ankeny Ankeny Ankeny Bondurant Clive Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines	S & Á Snyder & Associates, Inc. Stanley Consultants City of Bondurant City of Clive Ahlers and Conney American Concrete BASF Admixtures, Inc. City of Des Moines CMT	CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
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Polk Polk Polk Polk Polk Polk Polk Polk	Ankeny Ankeny Ankeny Bondurant Clive Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines	S & Á Snyder & Associates, Inc. Stanley Consultants City of Bondurant City of Clive Ahlers and Conney American Concrete BASF Admixtures, Inc. City of Des Moines CMT Des Moines EFCO Corporation Hallett Materials	CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk Polk Polk Polk Polk	Ankeny Ankeny Ankeny Ankeny Bondurant Clive Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines	S & Á Snyder & Associates, Inc. Stanley Consultants City of Bondurant City of Clive Ahlers and Conney American Concrete BASF Admixtures, Inc. City of Des Moines CMT Des Moines EFCO Corporation Hallett Materials Howard R. Green Co.	CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk Polk Polk Polk Polk	Ankeny Ankeny Ankeny Ankeny Bondurant Clive Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines	S & Á Snyder & Associates, Inc. Stanley Consultants City of Bondurant City of Clive Ahlers and Conney American Concrete BASF Admixtures, Inc. City of Des Moines CMT Des Moines EFCO Corporation Hallett Materials Howard R. Green Co.	CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk Polk Polk Polk Polk	Ankeny Ankeny Ankeny Bondurant Clive Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines	S & Á Snyder & Associates, Inc. Stanley Consultants City of Bondurant City of Clive Ahlers and Conney American Concrete BASF Admixtures, Inc. City of Des Moines CMT Des Moines EFCO Corporation Hallett Materials Howard R. Green Co. Iowa DNR Iowa DNR	CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk Polk Polk Polk Polk	Ankeny Ankeny Ankeny Ankeny Bondurant Clive Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines Des Moines	S & Á Snyder & Associates, Inc. Stanley Consultants City of Bondurant City of Clive Ahlers and Conney American Concrete BASF Admixtures, Inc. City of Des Moines CMT Des Moines EFCO Corporation Hallett Materials Howard R. Green Co. Iowa DNR Iowa DOT Logan Contractors Supply, Inc.	CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk Polk Polk Polk Polk	Ankeny Ankeny Ankeny Ankeny Bondurant Clive Des Moines	S & Á Snyder & Associates, Inc. Stanley Consultants City of Bondurant City of Clive Ahlers and Conney American Concrete BASF Admixtures, Inc. City of Des Moines CMT Des Moines EFCO Corporation Hallett Materials Howard R. Green Co. Iowa DNR Iowa DOT Logan Contractors Supply, Inc. Manatt's	CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk Polk Polk Polk Polk	Ankeny Ankeny Ankeny Ankeny Bondurant Clive Des Moines	S & Á Snyder & Associates, Inc. Stanley Consultants City of Bondurant City of Clive Ahlers and Conney American Concrete BASF Admixtures, Inc. City of Des Moines CMT Des Moines EFCO Corporation Hallett Materials Howard R. Green Co. Iowa DNR Iowa DOT Logan Contractors Supply, Inc. Manatt's McAninch Corp.	CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk Polk Polk Polk Polk	Ankeny Ankeny Ankeny Ankeny Bondurant Clive Des Moines	S & Á Snyder & Associates, Inc. Stanley Consultants City of Bondurant City of Clive Ahlers and Conney American Concrete BASF Admixtures, Inc. City of Des Moines CMT Des Moines EFCO Corporation Hallett Materials Howard R. Green Co. Iowa DNR Iowa DOT Logan Contractors Supply, Inc. Manatt's	CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk Polk Polk Polk Polk	Ankeny Ankeny Ankeny Ankeny Bondurant Clive Des Moines	S & Á Snyder & Associates, Inc. Stanley Consultants City of Bondurant City of Clive Ahlers and Conney American Concrete BASF Admixtures, Inc. City of Des Moines CMT Des Moines EFCO Corporation Hallett Materials Howard R. Green Co. Iowa DNR Iowa DOT Logan Contractors Supply, Inc. Manatt's McAninch Corp.	CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk Polk Polk Polk Polk	Ankeny Ankeny Ankeny Ankeny Bondurant Clive Des Moines	S & Á Snyder & Associates, Inc. Stanley Consultants City of Bondurant City of Clive Ahlers and Conney American Concrete BASF Admixtures, Inc. City of Des Moines CMT Des Moines EFCO Corporation Hallett Materials Howard R. Green Co. lowa DNR lowa DNR lowa DOT Logan Contractors Supply, Inc. Manatt's McAninch Corp. Nuckolls Concrete Services, Inc	CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk Polk Polk Polk Polk	Ankeny Ankeny Ankeny Ankeny Ankeny Ankeny Bondurant Clive Des Moines	S & Á Snyder & Associates, Inc. Stanley Consultants City of Bondurant City of Clive Ahlers and Conney American Concrete BASF Admixtures, Inc. City of Des Moines CMT Des Moines EFCO Corporation Hallett Materials Howard R. Green Co. Iowa DNR Iowa DOT Logan Contractors Supply, Inc. Manatt's McAninch Corp. Nuckolls Concrete Services, Inc Polk County Public Works Structural Consultants P C	CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk Polk Polk Polk Polk	Ankeny Ankeny Ankeny Ankeny Bondurant Clive Des Moines	S & Á Snyder & Associates, Inc. Stanley Consultants City of Bondurant City of Clive Ahlers and Conney American Concrete BASF Admixtures, Inc. City of Des Moines CMT Des Moines EFCO Corporation Hallett Materials Howard R. Green Co. Iowa DNR Iowa DOT Logan Contractors Supply, Inc. Manatt's McAninch Corp. Nuckolls Concrete Services, Inc Polk County Public Works Structural Consultants P C Team Services	CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk Polk Polk Polk Polk	Ankeny Ankeny Ankeny Ankeny Bondurant Clive Des Moines	S & Á Snyder & Associates, Inc. Stanley Consultants City of Bondurant City of Clive Ahlers and Conney American Concrete BASF Admixtures, Inc. City of Des Moines CMT Des Moines EFCO Corporation Hallett Materials Howard R. Green Co. lowa DNR lowa DNR lowa DOT Logan Contractors Supply, Inc. Manatt's McAninch Corp. Nuckolls Concrete Services, Inc Polk County Public Works Structural Consultants P C Team Services City of Grimes	CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk Polk Polk Polk Polk	Ankeny Ankeny Ankeny Ankeny Bondurant Clive Des Moines	S & Á Snyder & Associates, Inc. Stanley Consultants City of Bondurant City of Clive Ahlers and Conney American Concrete BASF Admixtures, Inc. City of Des Moines CMT Des Moines EFCO Corporation Hallett Materials Howard R. Green Co. Iowa DNR Iowa DOT Logan Contractors Supply, Inc. Manatt's McAninch Corp. Nuckolls Concrete Services, Inc Polk County Public Works Structural Consultants P C Team Services City of Grimes Eco-Tech Construction, LLC	CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Polk Polk Polk Polk Polk Polk Polk Polk	Ankeny Ankeny Ankeny Ankeny Bondurant Clive Des Moines	S & Á Snyder & Associates, Inc. Stanley Consultants City of Bondurant City of Clive Ahlers and Conney American Concrete BASF Admixtures, Inc. City of Des Moines CMT Des Moines EFCO Corporation Hallett Materials Howard R. Green Co. lowa DNR lowa DNR lowa DOT Logan Contractors Supply, Inc. Manatt's McAninch Corp. Nuckolls Concrete Services, Inc Polk County Public Works Structural Consultants P C Team Services City of Grimes	CTRE/CP Tech CTRE/CP Tech	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD

	Polk	Johnston	McClure Engineering Co.	CTRE/CP Tech	PWD
	Polk	Johnston	Sika Corporation	CTRE/CP Tech	PWD
	Polk	Pleasant Hill	City of Pleasant Hill	CTRE/CP Tech	PWD
	Polk	Urbandale	Allender Butzke Engineers	CTRE/CP Tech	PWD
	Polk	Urbandale	City of Urbandale	CTRE/CP Tech	PWD
	Polk	Urbandale	Concrete Technologies, Inc.	CTRE/CP Tech	PWD
	Polk	Urbandale	Kirkham & Michael	CTRE/CP Tech	PWD
	Polk	Urbandale	Urbandale	CTRE/CP Tech	PWD
	Polk	West Des Moines	Bartlett & West Engineering	CTRE/CP Tech	PWD
	Polk	West Des Moines	Calhoun-Burns & Associates, Inc.	CTRE/CP Tech	PWD
	Polk	West Des Moines	City of West Des Moines	CTRE/CP Tech	PWD
	Polk	West Des Moines	lowa DOT	CTRE/CP Tech	PWD
	Polk	West Des Moines	Veenstra & Kimm	CTRE/CP Tech	PWD
	Polk	West Des Moines	West Des Moines Public Works	CTRE/CP Tech	PWD
	Polk	Des Moines	Alliant Energy	OBP	BAC, FAC, TAC
	D-III	Des Moines	Fauity Dynamics, Inc., Dennaight Conital Desayurses	OBP	BAC, FAC, TAC
	Polk Polk	Des Moines  Des Moines	Equity Dynamics, Inc.: Pappajohn Capital Resources Iowa Department of Economic Development	OBP	BAC, FAC, TAC
	Polk	Des Moines  Des Moines	Iowa Department of Economic Development Iowa Farm Bureau	OBP	BAC, FAC, TAC
	Polk	Des Moines  Des Moines	Kemin Industries, Inc.	OBP	BAC, FAC, TAC
	Polk	Des Moines  Des Moines	Kemin Industries, Inc.	OBP	BAC, FAC, TAC
	Polk	Des Moines  Des Moines	*	OBP	BAC, FAC, TAC
			Kemin Industries, Inc.	OBP	
	Polk Polk	Des Moines Johnston	Pappajohn Capital Resources Venture Capital Pioneer/DuPont	OBP	BAC, FAC, TAC BAC, FAC, TAC
	Polk		Pioneer/DuPont Pioneer/DuPont	OBP	BAC, FAC, TAC
	Polk	Johnston Des Moines	IDED	Industry Relations	BCOM
	Polk	Des Moines  Des Moines	Smart Solutions Group	Industry Relations	BCOM
	Polk	Des Moines	Smart Solutions Group	,	BCOM
	Polk	Des Moines  Des Moines	IDED	Industry Relations Industry Relations	BCOM
	Polk		DMACC	,	
	Polk	Ankeny West Des Moines	Iowa Area Development Group	Industry Relations Industry Relations	TAC TAC
	Polk	Johnston	Genetic Enterprises International	Industry Relations	TAC
	Polk	Des Moines	Alliant Energy	OBP	BAC, FAC, TAC
	Polk	Des Moines	Equity Dynamics, Inc.: Pappajohn Capital Resources	OBP	BAC, FAC, TAC
	Polk	Des Moines	Iowa Department of Economic Development	OBP	BAC, FAC, TAC
	Polk	Des Moines	Iowa Farm Bureau	OBP	BAC, FAC, TAC
	Polk	Des Moines	Kemin Industries, Inc.	OBP	BAC, FAC, TAC
	Polk	Des Moines	Kemin Industries, Inc.	OBP	BAC, FAC, TAC
	Polk	Des Moines	Kemin Industries, Inc.	OBP	BAC, FAC, TAC
	Polk	Des Moines	Pappajohn Capital Resources Venture Capital	OBP	BAC, FAC, TAC
	Polk	Johnston	Pioneer/DuPont	OBP	BAC, FAC, TAC
	Polk	Johnston	Pioneer/DuPont	OBP	BAC, FAC, TAC
	Polk	Johnston	Pioneer/DuPont	OBP	BAC, FAC, TAC
	Polk	West Des Moines	Iowa Pork Producers Association	SEU - CDFIN	FAC
	Polk	Ankeny	Proliant	CCUR	FAC
	Polk	Des Moines	Iowa Business Council Biomass Working Group	CCUR	FAC
	Polk	Des Moines	Kemin	CCUR	FAC
	Polk	Johnston	Iowa Corn Promotion Board	CCUR	FAC
	Polk	Johnston	Iowa Renewable Fuels Association Board	OBP, CCUR & others	FAC
	Polk	Johnston	Pioneer	CCUR	FAC
	Polk	Urbandale	Iowa Soybean Association	CCUR	FAC
	Polk	Urbandale	The Soyfoods Council	CCUR	FAC
	Polk	Urbandale	The Soyfoods Council	CCUR	FAC
	Polk	Des Moines	Feed Energy Corp	ABE/IGQI	TAC
	Polk	Johnston	Genetic Enterprises, Inc. (GEI)	Food Science and Human Nu	
	Polk	Johnston	Genetic Enterprises, Inc. (GEI)	CDFIN	TAC
	Polk	Clive	KCQ Foods	SEU - CDFIN	TAC
	Polk	Des Moines	Kemin Industries	SEU - CDFIN	TAC
	Polk	Johnston	Pioneer	SEU - CDFIN	TAC
	Polk	West Des Moines	Iowa Farm Bureau Federation	Economics & CCUR	TAC
	Polk	Ankeny	AGS, Inc.	Ag and Biosystems Engineeri	
	Polk	Des Moines	FEC Solutions	CCUR	TAC
	Polk	Des Moines	Iowa Athletic Directors Association	ISU Extension	PWD
	Polk	Des Moines	Des Moines teachers	ISU Extension	PWD
	Polk	Des Moines	Iowa Community Ed Association	ISU Extension	PWD
	Polk	Des Moines	CVC philanthropy presentation	Greene County Extension	BCOM
				Virtual Reality Applications	BAC, TAC, FAC,
	Polk	Ankeny	Deere & Company	Center, IPRT	PWD
	Polk	Pleasant Hill	Iowa Family Policy Center, Pleasant Hill	Johnson County Extension	PWD
	Polk	Des Moines	Central Iowa Dietetic Association	FSHN	PWD
	Polk		Polk County	Extension CED	TCOM
	Polk	Des Moines	Vounteer Mgt - DMACC	4-H Youth Development	TT
			•	Thoreson, Dale Fld Spec	
	Polk	Des Moines	Iowa Farm Bureau	ANR	TAC
	Polk	Des Moines	Central Iowa Dietetic Association	Dietetics Internship faculty 4/2	
Polk County	489			, ,	48
•	Pottawattamie	Carter Lake	Planning & Zoning Board Member	CRP	ТСОМ
	Pottawattamie	Council Bluffs	Board of Supervisors	CRP	TCOM
	Pottawattamie	Carter Lake	Planning & Zoning Board Member	Extension CED, CRP	TCOM
		1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Extension	
	Pottawattamie	Council Bluffs	Board of Supervisors		тсом
	Pottawattamie	Council Bluffs	Board of Supervisors	Extension CED, CRP Extension	ТСОМ

	Pottawattamie	Oakland	Community Design Program	Extension CED	PWD
	Pottawattamie	Canana	Planning & Zoning Commission	CRP	TCOM
	Pottawattamie		Planning & Zoning Commission	CRP	TCOM
	Pottawattamie		Zoning Board of Adjustment	CRP	TCOM
	Pottawattamie	Council Bluffs	Council bluffs Area Chamber of Commerce	College of Engineering	BCOM
	Pottawattamie	Avoca	Western Iowa Development Association	College of Engineering	BCOM
	Pottawattamie	Council Bluffs	Weyerhaeuser Company	College of Engineering	PWD
	Pottawattamie	Council Bluffs	Omaha Public Power District	College of Engineering	PWD
	Pottawattamie	Council Bluffs	CRC	IPRT Company Assistance- Materials	TAC
	Pottawattamie	Oakland	Iowa Fittings Company	IPRT Company Assistance- NDE	TAC
	Pottawattamie	Council Bluffs	Council Bluffs Police Department	Midwest Forensics Resource Center, IPRT	ТСОМ
			, , , , , , , , , , , , , , , , , , , ,	College of Engineering /	
	Pottawattamie	Council Bluffs	Lewis Central High School	ABE (PLTW)	ОСОМ
	Pottawattamie	Council Bluffs	Compassion Iowa - Nonprofit Management Academy	Extension CED	PWD
	Pottawattamie	Council Bluffs	Council Bluffs	Extension CED	PWD
	Pottawattamie	Council Bluffs	NPMA-Council Bluffs	Extension CED	PWD
				Darrell Busby SW IA Beef	
	Pottawattamie	Council Bluffs	Southwest Iowa Renewable Energy	Speciailist	BAC
	Pottawattamie	all communities	Volunteer Income Tax Assistance	ISU Extension	OCOM
	Pottawattamie	Avoca	Parkway Café	ISU Extension	PWD
	Pottawattamie	Council Bluffs	Red Wheel Fundraising	ISUE-CIRAS	BAC
	Pottawattamie		Event in Pottawattamie County	ISUE-CIRAS	BAC
	Pottawattamie	Council Bluffs	Heartland First Aid Company	ISUE-CIRAS	BAC
	Pottawattamie	Council Bluffs	Broadway Foods	ISUE-CIRAS	BAC
	Pottawattamie	Council Bluffs	Katelman Foundry Inc	ISUE-CIRAS	TAC
	Pottawattamie	Council Bluffs	Katelman Foundry Inc	ISUE-CIRAS	TAC
	Pottawattamie		Event in Pottawattamie County	ISUE-CIRAS	TAC
	Pottawattamie	Council Bluffs	City of Council Bluffs	CTRE/CP Tech	PWD
	Pottawattamie	Council Bluffs	Council Bluffs Public Works	CTRE/CP Tech	PWD
	Pottawattamie	Council Bluffs	Erhardt & Griffin Assoc.	CTRE/CP Tech	PWD
	Pottawattamie	Council Bluffs	HGM Associates, Inc.	CTRE/CP Tech	PWD
	Pottawattamie	Council Bluffs	Iowa DOT	CTRE/CP Tech	PWD
	Pottawattamie	Council Bluffs	Snyder & Associates, Inc.	CTRE/CP Tech	PWD
	Pottawattamie	Council Bluffs	The Schemmer Associates	CTRE/CP Tech	PWD
	Pottawattamie	Harlan	Harlan Builders	CTRE/CP Tech	PWD
	Pottawattamie	Council Bluffs Nonprof	it Management Academy	Communities	PWD
	Pottawattamie	Western Iowa	Planning Officials Academy	Communties	PWD
	Pottawattamie		Board of Supervisors	CRP	TCOM
	Pottawattamie		Building Administrator	CRP	TCOM
	Pottawattamie		City Administrator	CRP	TCOM
	Pottawattamie		City Clerk	CRP	TCOM
	Pottawattamie		Community Development Planner	CRP	TCOM
	Pottawattamie		Zoning Board of Adjustment	CRP	TCOM
	Pottawattamie		Board of Supervisors	Extension CED, CRP Extension	TCOM
	Pottawattamie		Building Administrator	Extension CED, CRP Extension	TCOM
	Pottawattamie		City Administrator	Extension CED, CRP Extension	TCOM
	Pottawattamie		City Clerk	Extension CED, CRP Extension	TCOM
	Pottawattamie		Community Development Planner	Extension CED, CRP Extension	ТСОМ
	Pottawattamie		Multi-State Regional Development	Extension CED	FAC
	Pottawattamie		Nishna Productions	Extension CED	TAC
	Pottawattamie		Planning & Zoning Commission	Extension CED, CRP	TCOM
	Pottawattamie		Planning & Zoning Commission	Extension Extension CED, CRP	TCOM
	Pottawattamie		Pottawattamie County	Extension CED, CKF Extension Extension CED	PWD
	Pottawattamie		Regional Foods Working Group	Extension CED	BAC
			Renew Rural Iowa	Extension CED	FAC
			in tonon interior		
	Pottawattamie Pottawattamie		Rural Development Resource Center	Extension CED	
	Pottawattamie Pottawattamie		Rural Development Resource Center Rural Development Resource Center: Grow Iowa Fund: Wallace Fund: Southwest Iowa Coalition	Extension CED Extension CED	
	Pottawattamie Pottawattamie		Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition	Extension CED	BAC/ TCOM/ FAC BCOM
	Pottawattamie Pottawattamie Pottawattamie		Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition Rural Development Summit	Extension CED  Extension CED	BAC/ TCOM/ FAC BCOM FAC
	Pottawattamie Pottawattamie Pottawattamie Pottawattamie		Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition Rural Development Summit Southwest Iowa Coalition	Extension CED  Extension CED  Extension CED	BAC/ TCOM/ FAC BCOM FAC FAC
	Pottawattamie Pottawattamie Pottawattamie Pottawattamie Pottawattamie Pottawattamie		Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition Rural Development Summit Southwest Iowa Coalition Zoning Board of Adjustment	Extension CED  Extension CED  Extension CED  Extension CED, CRP  Extension	BAC/ TCOM/ FAC BCOM FAC FAC TCOM
	Pottawattamie Pottawattamie Pottawattamie Pottawattamie		Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition Rural Development Summit Southwest Iowa Coalition	Extension CED  Extension CED  Extension CED, CRP  Extension  Extension CED, CRP	BAC/ TCOM/ FAC BCOM FAC FAC
Pottawattamie County	Pottawattamie Pottawattamie Pottawattamie Pottawattamie Pottawattamie Pottawattamie		Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition Rural Development Summit Southwest Iowa Coalition Zoning Board of Adjustment	Extension CED  Extension CED  Extension CED, CRP  Extension  Extension CED, CRP  Extension CED, CRP  Extension CED, CRP  Extension CED, CRP	BAC/ TCOM/ FAC BCOM FAC FAC TCOM
Pottawattamie County	Pottawattamie Pottawattamie Pottawattamie Pottawattamie Pottawattamie Pottawattamie	Carter Lake	Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition Rural Development Summit Southwest Iowa Coalition Zoning Board of Adjustment	Extension CED  Extension CED  Extension CED, CRP  Extension CED, CRP  Extension CED, CRP  Extension CED, CRP  Extension CED, CRP  Extension  Brenton Ctr for Ag  Instruction	BAC/ TCOM/ FAC BCOM FAC FAC TCOM
Pottawattamie County	Pottawattamie Pottawattamie Pottawattamie Pottawattamie Pottawattamie Pottawattamie  Pottawattamie 64		Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition Rural Development Summit Southwest Iowa Coalition Zoning Board of Adjustment Zoning Board of Adjustment	Extension CED  Extension CED  Extension CED, CRP  Extension CED, CRP  Extension CED, CRP  Extension CED, CRP  Extension CED, CRP  Extension  Brenton Ctr for Ag  Instruction  Brenton Ctr for Ag  Instruction	BAC/ TCOM/ FAC BCOM/ FAC FAC TCOM/ TCOM/ 6
Pottawattamie County	Pottawattamie Pottawattamie Pottawattamie Pottawattamie Pottawattamie Pottawattamie Pottawattamie Pottawattamie	Carter Lake	Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition Rural Development Summit Southwest Iowa Coalition Zoning Board of Adjustment Zoning Board of Adjustment  Distance Education Students = 1	Extension CED  Extension CED  Extension CED  Extension CED, CRP  Extension CED, CRP  Extension CED, CRP  Extension CED, CRP  Instruction  Brenton Ctr for Ag  Brenton Ctr for Ag	BAC/ TCOM/ FAC BCOM FAC FAC TCOM TCOM

				Propton Ctr for Ag	
	Detturettem:	l la damua a d	Distance Education Students C	Brenton Ctr for Ag	DWD
	Pottwattamie	Underwood	Distance Education Students = 2	Instruction	PWD
	Pottwattamie	Hancock	Hancock Frozen Foods	Meat Science Extension	PWD
	Pottwattamie	Minden	Minden Meat Market	Meat Science Extension	PWD
	Pottwattamie	Council Bluffs	Plumrose USA, Inc.	Meat Science Extension	PWD
	Pottwattamie	Council Bluffs	Tyson Foods	Meat Science Extension	PWD
Pottwattamie County	9				9
				Brenton Ctr for Ag	
	Poweshiek	Brooklyn	Distance Education Students = 1	Instruction	PWD
				Brenton Ctr for Ag	
	Poweshiek	Grinnell	Distance Education Students = 3	Instruction	PWD
	Poweshiek	Grinnell	City Clerk/Finance Director	CRP	TCOM
	Poweshiek	Brooklyn	Creative Composites	ABE	TAC
	Poweshiek	Malcolm	Dayton's Meat Processing	Meat Science Extension	PWD
	· owoomon	Marconn	Dayton's meat i recessing	Joseph Chen - ABE and	
	Poweshiek	Grinnell	JELD-WEN	CIRAS	TAC
	1 OWESTHER	Onnici	JEED-WEIV	Organic Ag Program (K.	170
				Delate; Agronomy &	
	Dawashiak	Crimmall	Cabillianas Cood		TAC
	Poweshiek	Grinnell	Schillinger Seed	Horticulture)	TAC
	Poweshiek	Brooklyn	Creative Composites	ISURF	TT
	Poweshiek	Grinnell	City Clerk/Finance Director	Extension CED, CRP	TCOM
				Extension	
	Poweshiek	Grinnell	Grinnell	Extension CED	TCOM
	Poweshiek		25 entrepreneurs	Extension CED	BAC
	Poweshiek		Poweshiek County tourism	Extension CED	FAC
	Poweshiek		Poweshiek County Auditors	Extension CED	OCOM
	Poweshiek		Silos & Smokestacks National Heritage Area	Extension CED	OCOM
	Poweshiek	Montezuma	Poweshiek Leadership Program	4-H Youth Development	OCOM
	Poweshiek	Grinnell	Claude W. and Dolly Ahrens Foundation, Grinnell	Johnson County Extension	PWD
	. STOOMOR	J.,411011	Canada 11. and Dony Finitens Foundation, Orinnell	Poweshiek County	. 110
	Poweshiek		Rig River Ethanel Plant	Extension	BCOM & FAC
	r owestiler		Big River Ethanol Plant		DOOINI & FAC
	Downshield		Creative Havinese of Java 110	Poweshiek County	FAC
	Poweshiek		Creative Horizons of Iowa, LLC	Extension	FAC
	Poweshiek	Grinnell	Dairy Queen - Grinnell	ISU Extension	PWD
	Poweshiek	Grinnell	Randhawa's Travel Center	ISU Extension	PWD
	Poweshiek	Brooklyn	SoyClean	ISUE-CIRAS	TAC
	Poweshiek	Brooklyn	Creative Composites	ISUE-CIRAS	TAC
	Poweshiek		Event in Poweshiek County	ISUE-CIRAS	BAC
	Poweshiek	Brooklyn	SoyClean	ISUE-CIRAS	BAC
	Poweshiek	Montezuma	Brownells Inc	ISUE-CIRAS	BAC
	Poweshiek	Grinnell	ASI Modulex	ISUE-CIRAS	TAC
	Poweshiek	Brooklyn	Manatt's	CTRE/CP Tech	PWD
	Poweshiek	Brooklyn	Creative Composites	Industry Relations	TAC
		DIOUKIYII		Extension CED	OCOM
	Poweshiek		Poweshiek County		OCOM
	Poweshiek		Poweshiek County Healthy Choices Coalit	4-H Youth Development	
Poweshiek County	30				30
				Brenton Ctr for Ag	
	Ringgold	Shannon City	Distance Education Students = 4	Instruction	PWD
			Ron Abbott Farm	NREM	
	Ringgold	Diagonal			TAC
	Ringgold	Diagonal	Diagonal Community Development Corporation	Extension CED	FAC/ BCOM
		Diagonal	Diagonal Community Development Corporation Ringgold County Board of Supervisors	Extension CED Extension CED	FAC/ BCOM FAC/ BCOM
	Ringgold	Diagonal	Diagonal Community Development Corporation	Extension CED	FAC/ BCOM
	Ringgold Ringgold Ringgold	Diagonal	Diagonal Community Development Corporation Ringgold County Board of Supervisors	Extension CED Extension CED	FAC/ BCOM FAC/ BCOM
	Ringgold Ringgold	Diagonal	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau	Extension CED Extension CED Extension CED	FAC/ BCOM FAC/ BCOM FAC/ BCOM
	Ringgold Ringgold Ringgold Ringgold Ringgold		Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit	Extension CED Extension CED Extension CED Extension CED	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC
	Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold	Mt. Ayr	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development	Extension CED Extension CED Extension CED Extension CED Extension CED	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC FAC/ BCOM BCOM
	Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold	Mt. Ayr Mt. Ayr	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension Extension	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC FAC/ BCOM BCOM FAC
	Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension Extension Extension	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC FAC BCOM BCOM FAC FAC
	Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mt. Ayr Chamber of Commerce	Extension CED Extension CED Extension CED Extension CED Extension CED Extension Extension Extension Extension Extension	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC FAC/ BCOM BCOM FAC FAC FAC
	Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mt. Ayr Chamber of Commerce Ringgold County Emergency Management	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension Extension Extension Extension Extension Extension	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM BCOM FAC FAC FAC
	Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mt. Ayr Chamber of Commerce Ringgold County Emergency Management Mt. Ayr Community Schools	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension Extension Extension Extension Extension Extension Extension Extension Extension	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC FAC/ BCOM BCOM FAC FAC FAC FAC OCOM
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	Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mt. Ayr Chamber of Commerce Ringgold County Emergency Management Mt. Ayr Community Schools Ahrens Manufacturing JandS Construction Co.	Extension CED Extension CED Extension CED Extension CED Extension CED Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM BCOM FAC FAC FAC FAC OCOM OCOM BAC BAC
	Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mt. Ayr Chamber of Commerce Ringgold County Emergency Management Mt. Ayr Community Schools Ahrens Manufacturing JandS Construction Co. Emerald Hills Dairy Consortium	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension Ex	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM BCOM FAC FAC FAC FAC OCOM OCOM BAC BAC
	Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mtt. Ayr Chamber of Commerce Ringgold County Emergency Management Mt. Ayr Community Schools Ahrens Manufacturing JandS Construction Co. Emerald Hills Dairy Consortium Great Western Bank - Mount Ayr	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC FAC BCOM FAC FAC FAC OCOM OCOM BAC BAC BAC BAC BAC BAC BAC
	Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mt. Ayr Chamber of Commerce Ringgold County Emergency Management Mt. Ayr Community Schools Ahrens Manufacturing JandS Construction Co. Emerald Hills Dairy Consortium Great Western Bank - Mount Ayr Multi-State Regional Development	Extension CED Extension CED Extension CED Extension CED Extension CED Extension Extension Extension Extension Extension Extension ISUE-CIRAS ISUE-CIRAS Extension CED Extension CED Extension CED Extension CED Extension CED	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM BCOM FAC FAC FAC FAC FAC FAC BAC FAC FAC FAC FAC FAC FAC FAC FAC FAC F
	Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mt. Ayr Chamber of Commerce Ringgold County Emergency Management Mt. Ayr Community Schools Ahrens Manufacturing JandS Construction Co. Emerald Hills Dairy Consortium Great Western Bank - Mount Ayr Multi-State Regional Development Regional Marketing	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM BCOM FAC FAC FAC FAC FAC GCOM GCOM GCOM GCOM GCOM GCOM GCOM GCO
	Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mt. Ayr Chamber of Commerce Ringgold County Emergency Management Mt. Ayr Community Schools Ahrens Manufacturing JandS Construction Co. Emerald Hills Dairy Consortium Great Western Bank - Mount Ayr Multi-State Regional Development Regional Marketing Renew Rural Iowa	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension EUE-CIRAS ISUE-CIRAS Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM BCOM FAC FAC FAC FAC OCOM OCOM BAC BAC BAC BAC BAC BAC BAC FAC/BCOM FAC BAC FAC/BCOM FAC BAC BAC FAC/BCOM FAC
	Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mt. Ayr Chamber of Commerce Ringgold County Emergency Management Mt. Ayr Community Schools Ahrens Manufacturing JandS Construction Co. Emerald Hills Dairy Consortium Great Western Bank - Mount Ayr Multi-State Regional Development Regional Marketing	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM BCOM FAC FAC FAC FAC FAC GCOM GCOM GCOM GCOM GCOM GCOM GCOM GCO
	Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mt. Ayr Chamber of Commerce Ringgold County Emergency Management Mt. Ayr Community Schools Ahrens Manufacturing JandS Construction Co. Emerald Hills Dairy Consortium Great Western Bank - Mount Ayr Multi-State Regional Development Regional Marketing Renew Rural Iowa	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension EUE-CIRAS ISUE-CIRAS Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM BCOM FAC FAC FAC FAC OCOM OCOM BAC BAC BAC BAC BAC BAC BAC FAC/BCOM FAC BAC FAC/BCOM FAC BAC BAC FAC/BCOM FAC
	Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mtt. Ayr Chamber of Commerce Ringgold County Emergency Management Mt. Ayr Community Schools Ahrens Manufacturing JandS Construction Co. Emerald Hills Dairy Consortium Great Western Bank - Mount Ayr Multi-State Regional Development Regional Marketing Renew Rural lowa Ringgold Co Development Corp	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension EXTENSION EX	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM BCOM FAC FAC FAC OCOM OCOM BAC BAC BAC BAC BAC BAC FAC/BCOM FAC FAC/BCOM FAC FAC/BCOM FAC BCOM FAC
	Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mt. Ayr Chamber of Commerce Ringgold County Emergency Management Mt. Ayr Community Schools Ahrens Manufacturing JandS Construction Co. Emerald Hills Dairy Consortium Great Western Bank - Mount Ayr Multi-State Regional Development Regional Marketing Renew Rural lowa Ringgold Co Development Corp Ringgold Co Development Corp	Extension CED Extension CED Extension CED Extension CED Extension CED Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM BCOM FAC FAC FAC FAC FAC FAC FAC BAC BAC BAC BAC BAC BAC BAC BAC BAC B
	Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mt. Ayr Chamber of Commerce Ringgold County Emergency Management Mt. Ayr Community Schools Ahrens Manufacturing JandS Construction Co. Emerald Hills Dairy Consortium Great Western Bank - Mount Ayr Multi-State Regional Development Regional Marketing Renew Rural Iowa Ringgold Co Development Corp Ringgold County Ringgold County Economic Development; Diagonal Economic Development; Ringgold County Chamber	Extension CED Extension CED Extension CED Extension CED Extension CED Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM BCOM FAC FAC FAC FAC FAC FAC FAC FAC BAC BAC BAC BAC BAC BAC BAC BAC BAC B
	Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mt. Ayr Chamber of Commerce Ringgold County Emergency Management Mt. Ayr Community Schools Ahrens Manufacturing JandS Construction Co. Emerald Hills Dairy Consortium Great Western Bank - Mount Ayr Multi-State Regional Development Regional Marketing Renew Rural lowa Ringgold County Ringgold County Ringgold County Economic Development; Diagonal Economic Development; Ringgold County Chamber and Tourism	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension ED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM BCOM FAC FAC FAC OCOM OCOM BAC BAC BAC BAC BAC FAC/BCOM FAC BAC BAC BAC BAC FAC/BCOM FAC BCOM FAC BCOM FAC BCOM FAC BCOM FAC BCOM FAC FAC/BCOM FAC FAC/BCOM BCOM BCOM BCOM
	Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mt. Ayr Chamber of Commerce Ringgold County Emergency Management Mt. Ayr Community Schools Ahrens Manufacturing JandS Construction Co. Emerald Hills Dairy Consortium Great Western Bank - Mount Ayr Multi-State Regional Development Regional Marketing Renew Rural lowa Ringgold Co Development Corp Ringgold County Ringgold County Economic Development; Diagonal Economic Development; Ringgold County Chamber and Tourism Rural Development Resource Center	Extension CED Extension CED Extension CED Extension CED Extension CED Extension Extension Extension Extension Extension Extension ISUE-CIRAS ISUE-CIRAS Extension CED	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM BCOM FAC FAC FAC FAC FAC FAC FAC BAC BAC BAC BAC BAC BAC BAC BAC BAC B
	Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mt. Ayr Chamber of Commerce Ringgold County Emergency Management Mt. Ayr Community Schools Ahrens Manufacturing JandS Construction Co. Emerald Hills Dairy Consortium Great Western Bank - Mount Ayr Multi-State Regional Development Regional Marketing Renew Rural Iowa Ringgold County Economic Development; Diagonal Economic Development; Ringgold County Chamber and Tourism Rural Development Resource Center Rural Development Resource Center: Grow Iowa	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension ED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM BCOM FAC FAC FAC FAC FAC FAC GCOM GCOM GCOM GCOM GCOM GCOM GCOM GCO
	Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mt. Ayr Chamber of Commerce Ringgold County Emergency Management Mt. Ayr Community Schools Ahrens Manufacturing JandS Construction Co. Emerald Hills Dairy Consortium Great Western Bank - Mount Ayr Multi-State Regional Development Regional Marketing Renew Rural Iowa Ringgold County Economic Development; Diagonal Economic Development; Ringgold County Chamber and Tourism Rural Development Resource Center Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition	Extension CED Extension CED Extension CED Extension CED Extension CED Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension ED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM BCOM FAC FAC FAC FAC OCOM OCOM BAC BAC BAC BAC FAC/ BCOM FAC BAC BAC BAC FAC FAC BCOM FAC FAC BCOM FAC FAC BCOM FAC FAC BCOM FAC FAC BCOM BCOM BCOM BCOM BCOM BCOM
	Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Kellerton	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mt. Ayr Chamber of Commerce Ringgold County Emergency Management Mt. Ayr Community Schools Ahrens Manufacturing JandS Construction Co. Emerald Hills Dairy Consortium Great Western Bank - Mount Ayr Multi-State Regional Development Regional Marketing Renew Rural Iowa Ringgold County Economic Development; Diagonal Economic Development; Ringgold County Chamber and Tourism Rural Development Resource Center Rural Development Resource Center: Grow Iowa	Extension CED Extension CED Extension CED Extension CED Extension CED Extension Extension Extension Extension Extension Extension ISUE-CIRAS ISUE-CIRAS Extension CED	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC FAC FAC FAC FAC FAC FAC FAC FAC FAC
Ringgold County	Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Kellerton	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mt. Ayr Chamber of Commerce Ringgold County Emergency Management Mt. Ayr Community Schools Ahrens Manufacturing JandS Construction Co. Emerald Hills Dairy Consortium Great Western Bank - Mount Ayr Multi-State Regional Development Regional Marketing Renew Rural lowa Ringgold County Ringgold County Ringgold County Economic Development; Diagonal Economic Development; Ringgold County Chamber and Tourism Rural Development Resource Center Rural Development Resource Center Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition Southwest Iowa Coalition	Extension CED Extension CED Extension CED Extension CED Extension CED Extension Extension Extension Extension Extension Extension ISUE-CIRAS ISUE-CIRAS Extension CED	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM BCOM FAC FAC FAC FAC FAC FAC FAC BAC BAC BAC BAC BAC BAC BAC BAC BAC B
Ringgold County	Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Kellerton	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mt. Ayr Chamber of Commerce Ringgold County Emergency Management Mt. Ayr Community Schools Ahrens Manufacturing JandS Construction Co. Emerald Hills Dairy Consortium Great Western Bank - Mount Ayr Multi-State Regional Development Regional Marketing Renew Rural Iowa Ringgold County Economic Development; Diagonal Economic Development; Ringgold County Chamber and Tourism Rural Development Resource Center Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition	Extension CED Extension CED Extension CED Extension CED Extension CED Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension ED Extension CED	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC FAC FAC FAC FAC FAC FAC FAC FAC FAC
Ringgold County	Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Kellerton	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mt. Ayr Chamber of Commerce Ringgold County Emergency Management Mt. Ayr Community Schools Ahrens Manufacturing JandS Construction Co. Emerald Hills Dairy Consortium Great Western Bank - Mount Ayr Multi-State Regional Development Regional Marketing Renew Rural lowa Ringgold County Ringgold County Ringgold County Economic Development; Diagonal Economic Development; Ringgold County Chamber and Tourism Rural Development Resource Center Rural Development Resource Center Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition Southwest Iowa Coalition	Extension CED Extension CED Extension CED Extension CED Extension CED Extension Extension Extension Extension Extension Extension ISUE-CIRAS ISUE-CIRAS Extension CED	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM BCOM FAC FAC FAC FAC FAC FAC FAC BAC BAC BAC BAC BAC BAC BAC BAC BAC B
Ringgold County	Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Kellerton	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mt. Ayr Chamber of Commerce Ringgold County Emergency Management Mt. Ayr Community Schools Ahrens Manufacturing JandS Construction Co. Emerald Hills Dairy Consortium Great Western Bank - Mount Ayr Multi-State Regional Development Regional Marketing Renew Rural lowa Ringgold County Ringgold County Ringgold County Economic Development; Diagonal Economic Development; Ringgold County Chamber and Tourism Rural Development Resource Center Rural Development Resource Center Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition Southwest Iowa Coalition	Extension CED Extension CED Extension CED Extension CED Extension CED Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension ED Extension CED	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM BCOM FAC FAC FAC FAC FAC FAC FAC BAC BAC BAC BAC BAC BAC BAC BAC BAC B
Ringgold County	Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Kellerton	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mt. Ayr Chamber of Commerce Ringgold County Emergency Management Mt. Ayr Community Schools Ahrens Manufacturing JandS Construction Co. Emerald Hills Dairy Consortium Great Western Bank - Mount Ayr Multi-State Regional Development Regional Marketing Renew Rural Iowa Ringgold County Economic Development; Diagonal Economic Development; Ringgold County Chamber and Tourism Rural Development Resource Center Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition Southwest Iowa Coalition	Extension CED Extension CED Extension CED Extension CED Extension CED Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension Extension ED Extension CED	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM BCOM FAC FAC FAC FAC FAC OCOM OCOM BAC BAC BAC BAC BAC BAC BAC BAC BAC BAC
Ringgold County	Ringgold Ringgold	Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Mt. Ayr Kellerton	Diagonal Community Development Corporation Ringgold County Board of Supervisors Ringgold County Farm Bureau Rural Development Summit USBank - Mt. Ayr Ringgold County Economic Development Ringgold County Economic Development NRCS Office Mt. Ayr Chamber of Commerce Ringgold County Emergency Management Mt. Ayr Community Schools Ahrens Manufacturing JandS Construction Co. Emerald Hills Dairy Consortium Great Western Bank - Mount Ayr Multi-State Regional Development Regional Marketing Renew Rural Iowa Ringgold County Economic Development; Diagonal Economic Development; Ringgold County Chamber and Tourism Rural Development Resource Center Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition Southwest Iowa Coalition	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension Extension Extension Extension Extension ISUE-CIRAS ISUE-CIRAS Extension CED	FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM FAC/ BCOM BCOM FAC FAC FAC FAC FAC OCOM OCOM BAC BAC BAC BAC BAC FAC/ BCOM FAC BCOM FAC BCOM FAC BCOM FAC BCOM FAC BCOM BCOM BCOM BCOM BCOM BCOM BCOM BCO

	Coo				
	Sac	Sac City	Sac City	Landscape Architecture,	BCOM
				IDRO	
	Sac	Schaller	Friesen USA	College of Engineering	PWD
				Agricultural Education and	
	Sac	Lake View	WLVA Community Schools	Studies	OCOM
			·	Agricultural Education and	
	Sac	Wall Lake	Wall Lake Auburn Communtiy School	Studies	FAC
	Sac	Auburn	Auburn	Landscape Architecture,	BCOM
	Cuo	rabani	Addin	IDRO	BOOW
	Sac	Lake View	Lake View	Landscape Architecture,	BCOM
	Sac	Lake view	Lake view		BCOIVI
	_			IDRO	
	Sac	Sac City	Board of Adjustments	Extension CED, CRP	TCOM
				Extension	
	Sac	Sac City	Sac City	Landscape Architecture,	BCOM
				IDRO	
	Sac	Sac City	Zoning Official	Extension CED, CRP	TCOM
		,		Extension	
	Sac		Sac County Auditors	Extension CED	OCOM
	Sac	Schaller	enXco (Midamerican Energy)	ISUE-CIRAS	TAC
	Sac	Wall Lake	Cookies Food Products Inc	ISUE-CIRAS	TAC
			Auburn		BCOM
	Sac	Auburn		ISU Extension-Sac County	
	Sac	Lake View	City of Lake View	ISU Extension-Sac County	BCOM
	Sac	Wall Lake	Cookie's Food Products	ISU Extension-Sac County	FAC
	Sac	Sac City	Divine Purses	ISU Extension-Sac County	BAC
	Sac	Lake View	Golf Products Inc	ISU Extension-Sac County	TAC
	Sac	Sac City	Kitchen Krafters	ISU Extension-Sac County	BAC
	Sac	Lake View	Lake View Concrete Products	ISU Extension-Sac County	BAC
		Auburn	Ortner Landscaping	ISU Extension-Sac County	BAC
	Sac				
	Sac	Sac City	Sac City	ISU Extension-Sac County	BCOM
	Sac	Sac City	the Beer Bread co	ISU Extension-Sac County	BAC
	Sac	Sac City	the HUB	ISU Extension-Sac County	BAC
	Sac	Lake View	Thistle Down Nursery	ISU Extension-Sac County	FAC
	Sac	Wall Lake	Wall Lake	ISU Extension-Sac County	BCOM
	Sac	Lake View	Wall Lake View Auburn Comm School	ISU Extension-Sac County	OCOM
	Sac	zano rion	Sac County	Extension CED	TCOM
Sac County	3		Sac County	Extension CED	3°
Sac County					
	Scott	Davenport	Cocoon Corporation	OIPTT	FAC
	Scott	Davenport	New Ventures, Inc.	OIPTT	BCOM
	Scott	Davenport	Eastern Iowa Small Business Development Center	OIPTT	FAC
			Eastern Iowa Small Business Development Center Bawden Lareu Public Relations	OIPTT OIPTT	FAC FAC
	Scott	Davenport	Bawden Lareu Public Relations	OIPTT	FAC
	Scott Scott	Davenport Bettendorf	Bawden Lareu Public Relations Vizient	OIPTT OIPTT	FAC BAC
	Scott Scott Scott	Davenport Bettendorf Davenport	Bawden Lareu Public Relations Vizient New Composite Partners	OIPTT OIPTT OIPTT	FAC BAC FAC
	Scott Scott Scott Scott	Davenport  Bettendorf  Davenport  Davenport	Bawden Lareu Public Relations Vizient New Composite Partners New Ventures	OIPTT OIPTT OIPTT College of Business	FAC BAC FAC FAC
	Scott Scott Scott Scott Scott Scott	Davenport Bettendorf Davenport Davenport Davenport	Bawden Lareu Public Relations Vizient New Composite Partners New Ventures Rock Island Arsenal	OIPTT OIPTT OIPTT College of Business College of Engineering	FAC BAC FAC FAC PWD
	Scott Scott Scott Scott	Davenport  Bettendorf  Davenport  Davenport	Bawden Lareu Public Relations Vizient New Composite Partners New Ventures	OIPTT OIPTT OIPTT College of Business College of Engineering College of Engineering	FAC BAC FAC FAC
	Scott Scott Scott Scott Scott Scott Scott Scott	Davenport Bettendorf Davenport Davenport Davenport Davenport Davenport	Bawden Lareu Public Relations Vizient New Composite Partners New Ventures Rock Island Arsenal John Deere	OIPTT OIPTT COllege of Business College of Engineering College of Engineering IPRT Company Assistance-	FAC BAC FAC FAC PWD PWD
	Scott Scott Scott Scott Scott Scott	Davenport Bettendorf Davenport Davenport Davenport	Bawden Lareu Public Relations Vizient New Composite Partners New Ventures Rock Island Arsenal	OIPTT OIPTT COIPET College of Business College of Engineering College of Engineering IPRT Company Assistance- Materials	FAC BAC FAC FAC PWD
	Scott Scott Scott Scott Scott Scott Scott Scott	Davenport Bettendorf Davenport Davenport Davenport Davenport Davenport	Bawden Lareu Public Relations Vizient New Composite Partners New Ventures Rock Island Arsenal John Deere	OIPTT OIPTT COllege of Business College of Engineering College of Engineering IPRT Company Assistance-	FAC BAC FAC FAC PWD PWD
	Scott Scott Scott Scott Scott Scott Scott Scott	Davenport Bettendorf Davenport Davenport Davenport Davenport Davenport	Bawden Lareu Public Relations Vizient New Composite Partners New Ventures Rock Island Arsenal John Deere	OIPTT OIPTT COIPET College of Business College of Engineering College of Engineering IPRT Company Assistance- Materials	FAC BAC FAC FAC PWD PWD
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	Scott Scott	Davenport Bettendorf Davenport Bettendorf Davenport Quad Cities Bettendorf	Bawden Lareu Public Relations Vizient New Composite Partners New Composite Partners New Ventures Rock Island Arsenal John Deere Hansaloy Corporation Hansaloy Corporation John Deere - Davenport Works Sears Manufacturing Company  Cocoon Corporation  Grace Engineered Products Bettendorf Police Department Davenport Police Department Deere Distance education student - BRT 501	OIPTT OIPTT OIPTT COIPTT COIPGE COILEGE OF Business College of Engineering College of Engineering IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- Technology Commercialization IPRT Company Assistance- Technology Commercialization Midwest Forensics Resource Center, IPRT Midwest Forensics Resource Center, IPRT Ag and Biosystems Engineering & CCUR OBP/ABE (Raman) Brenton Ctr for Ag Instruction	FAC BAC FAC FAC FAC FAC PWD TAC TAC TAC TAC TAC TAC TAC TAC TAC TAC
	Scott	Davenport Bettendorf Davenport Bettendorf Davenport Guad Cities Bettendorf Bettendorf	Bawden Lareu Public Relations Vizient New Composite Partners New Composite Partners Rock Island Arsenal John Deere Hansaloy Corporation  Hansaloy Corporation John Deere - Davenport Works Sears Manufacturing Company  Cocoon Corporation  Grace Engineered Products  Bettendorf Police Department  Davenport Police Department  Deere Distance education student - BRT 501  Distance Education Students = 1	OIPTT OIPTT OIPTT OIPTT OIPTT College of Business College of Engineering College of Engineering IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- Technology Commercialization IPRT Company Assistance- Technology Commercialization Midwest Forensics Resource Center, IPRT Midwest Forensics Resource Center, IPRT Ag and Biosystems Engineering & CCUR OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr for Ag	FAC BAC FAC FAC FAC FAC PWD PWD TAC TAC TAC TAC TT TT PWD PWD TAC PWD PWD TAC PWD PWD PWD
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	Scott	Davenport Bettendorf Davenport Bettendorf Davenport Guad Cities Bettendorf Bettendorf	Bawden Lareu Public Relations Vizient New Composite Partners New Composite Partners Rock Island Arsenal John Deere Hansaloy Corporation  Hansaloy Corporation John Deere - Davenport Works Sears Manufacturing Company  Cocoon Corporation  Grace Engineered Products  Bettendorf Police Department  Davenport Police Department  Deere Distance education student - BRT 501  Distance Education Students = 1	OIPTT OIPTT OIPTT College of Business College of Engineering College of Engineering IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- Technology Commercialization IPRT Company Assistance- Technology Commercialization Midwest Forensics Resource Center, IPRT Midwest Forensics Resource Center, IPRT Ag and Biosystems Engineering & CCUR OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension	FAC BAC FAC FAC FAC FAC PWD PWD TAC TAC TAC TAC TT TT PWD PWD TAC PWD PWD TAC PWD PWD PWD
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	Scott	Davenport Bettendorf Davenport Quad Cities Bettendorf Davenport Davenport Davenport Cuad Cities Davenport Davenport Davenport Davenport Davenport Davenport Davenport Davenport Davenport Davenport Davenport Davenport	Bawden Lareu Public Relations Vizient New Composite Partners New Composite Partners Rock Island Arsenal John Deere Hansaloy Corporation Hansaloy Corporation John Deere - Davenport Works Sears Manufacturing Company  Cocoon Corporation  Grace Engineered Products Bettendorf Police Department Davenport Police Department Deere Distance education student - BRT 501 Distance Education Students = 1 Distance Education Students = 5 Kraft Foods Deere Bettendorf Public Library	OIPTT OIPTT OIPTT College of Business College of Engineering College of Engineering IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- Technology Commercialization IPRT Company Assistance- Technology Commercialization IPRT Company Assistance- Technology Commercialization IPRT Company Assistance- Technology Commercialization IPRT Company Assistance- Technology Commercialization Midwest Forensics Resource Center, IPRT Midwest Forensics Resource Center, IPRT Ag and Biosystems Engineering & CCUR OBP/ABE (Raman) Brenton Ctr for Ag Instruction Meat Science Extension Ag and Biosystems Engineering & CCUR Extension CED	FAC BAC FAC FAC FAC FAC FAC FAC PWD TAC TAC TAC TAC TAC TAC TAC TAC TAC TAC
	Scott	Davenport Bettendorf Davenport Quad Cities Bettendorf Davenport Davenport Davenport Davenport Quad Cities	Bawden Lareu Public Relations Vizient New Composite Partners New Ventures Rock Island Arsenal John Deere Hansaloy Corporation  Hansaloy Corporation John Deere - Davenport Works Sears Manufacturing Company  Cocoon Corporation  Grace Engineered Products Bettendorf Police Department Davenport Police Department  Deere Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 5  Kraft Foods Deere	OIPTT OIPTT OIPTT OIPTT OIPTT COllege of Business College of Engineering College of Engineering IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- Technology Commercialization IPRT Company Assistance- Technology Commercialization IPRT Company Assistance- Technology Commercialization Midwest Forensics Resource Center, IPRT Midwest Forensics Resource Center, IPRT Ag and Biosystems Engineering & CCUR OBP/ABE (Raman) Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Ag and Biosystems Engineering & CCUR	FAC BAC FAC FAC FAC FAC FAC PWD PWD TAC TAC TAC TAC TT TT PWD PWD TAC PWD PWD PWD TAC PWD PWD TAC
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	Scott	Davenport Bettendorf Davenport Guad Cities Bettendorf Davenport	Bawden Lareu Public Relations Vizient New Composite Partners New Vontures Rock Island Arsenal John Deere Hansaloy Corporation Hansaloy Corporation John Deere - Davenport Works Sears Manufacturing Company  Cocoon Corporation  Grace Engineered Products Bettendorf Police Department Davenport Police Department Deere Distance education student - BRT 501 Distance Education Students = 1 Distance Education Students = 5 Kraft Foods  Deere Bettendorf Public Library Disability Assistance Dogs Disability Dogs Scott Community College Foundation Scott County Family Y Center for Alcohol & Drug Services	OIPTT OIPTT OIPTT COIPge of Business College of Engineering College of Engineering IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- Technology Commercialization IPRT Company Assistance- Technology Commercialization Midwest Forensics Resource Center, IPRT Midwest Forensics Resource Center, IPRT Ag and Biosystems Engineering & CCUR OBP/ABE (Raman) Brenton Ctr for Ag Instruction Meat Science Extension Ag and Biosystems Engineering & CCUR Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED	FAC BAC BAC FAC FAC FAC FAC FAC PWD PWD TAC TAC TAC TAC TT TT TT PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
	Scott	Davenport Bettendorf Davenport Bettendorf Bettendorf Bettendorf Bettendorf Bettendorf Bettendorf Bettendorf Bettendorf Bettendorf Bettendorf Davenport Davenport Davenport Davenport Davenport	Bawden Lareu Public Relations Vizient New Composite Partners New Ventures Rock Island Arsenal John Deere Hansaloy Corporation  Hansaloy Corporation  John Deere - Davenport Works Sears Manufacturing Company  Cocoon Corporation  Grace Engineered Products Bettendorf Police Department Davenport Police Department  Deere Distance education student - BRT 501  Distance Education Students = 1  Distance Education Students = 5  Kraft Foods  Deere Bettendorf Public Library Disability Assistance Dogs Disability Dogs Scott Community College Foundation Scott County Family Y Center for Alcohol & Drug Services Community Foundation	OIPTT OIPTT OIPTT COIPTT COIPGE of Business College of Engineering College of Engineering IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- Technology Commercialization IPRT Company Assistance- Technology Commercialization Midwest Forensics Resource Center, IPRT Midwest Forensics Resource Center, IPRT Ag and Biosystems Engineering & CCUR OBP/ABE (Raman) Brenton Ctr for Ag Instruction Meat Science Extension Ag and Biosystems Engineering & CCUR Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED	FAC BAC FAC FAC FAC FAC FAC FAC PWD PWD TAC TAC TAC TAC TAC TAC TAC TAC TAC TAC
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Scott	Davenport	Quad City Health Initiative	Extension CED	PWD
Scott	Davenport	Quad City Labyrinth Project	Extension CED	PWD
Scott	Davenport	WQPT - Quad Cities PBS	Extension CED	PWD
Scott	LeClaire	LeClaire, IA	Extension CED	PWD
Scott	Long Grove	Flenker Land Architecture Consultants	Extension CED	PWD
Scott	Long Grove	Flenker Land Architecture Consultants	Extension CED	PWD
Scott		Bioeconomy Community Discussion	Director	FAC
Scott		Terrorism and Hazard Planning	Director	ОСОМ
Scott	Davenport	Roosevelt Center/Parks and Rec	Director, families, hort, youth	
Scott		Rotary Club - Assistance with Bylaws	Director	ОСОМ
Scott	Davenport	Genesis Health System	Extension (Families)	OCOM
Scott	Davenport	United Way of the QCA	Extension (Families)	ОСОМ
Scott	Davenport	Quad City Symphony Orchestra Association, Davenport	Johnson County Extension	PWD
Scott	Davenport	Family Resources Inc., Davenport	Johnson County Extension	PWD
Scott	Davenport	City of Davenport, Davenport	Johnson County Extension	PWD
Scott	Davenport	Vander Veer Botanical Park, Davenport	Johnson County Extension	PWD
Scott	Davenport	DESD 21st Century Grant, Davenport	Johnson County Extension	PWD
Scott	Davenport	Quad City Labyrinth Project, Davenport	Johnson County Extension	PWD
		Nonprofit Management Academy - nonprofit	j	
Scott		workshops	Director/Communities	PWD
Scott	Bettendorf	Greenspace Associates	ISU Scott County Extension	PWD
Scott	Bettendorf	Mississippi Bend AEA	Extension (Youth)	PWD
Scott	Davenport	Davenport Community School District	Extension (Youth)	PWD
		, and a second second		
Scott	Bettendorf	Quad City Times	ISU Scott County Extension	TAC
Scott	Bettendorf	Teske Garden Center	ISU Scott County Extension	TAC
CCCII	Dottoridori	Toole Garden Genier	Too cook ocarry Extension	.,,,,
Scott	Davenport	Aunt Rhodie's Landscaping	ISU Scott County Extension	TAC
	opo			
Scott	Bettendorf	Cribbs Landscaping	ISU Scott County Extension	TAC
Cook	Dottoridori	Onobo Editabaping	100 Cook County Extension	1710
Scott	Bettendorf	Davey Tree Company	ISU Scott County Extension	TAC
OCOLL	Detteridori	Davey Tree Company	100 Geoff County Extension	IAO
Scott	Donahue	Allens Grove Greenhouse	ISU Scott County Extension	TAC
Scott	Donance	Alleris Grove Greeninouse	130 Scott County Extension	IAC
Scott	Davenport	Michelle Campbell Landscape Design	ISU Scott County Extension	TAC
Scott	Davenport	Michelle Campbell Landscape Design	130 Scott County Extension	IAC
Scott	Bettendorf	Wallace's Garden Center	ISU Scott County Extension	TAC
Scott	Detteriuori	Wallace's Galderi Ceriter	130 Scott County Extension	IAC
Scott	Davenport	Wallace's Garden Center	ISU Scott County Extension	TAC
Scott	Davenport	Wallace's Garden Center	130 Scott County Extension	IAC
Scott	Davenport	The Green Thumbers	ISU Scott County Extension	TAC
Cook	Bavonport	The Green manipers	100 Cook County Extension	1710
Scott	Bettendorf	Earth Works Landscape Design	ISU Scott County Extension	TAC
Scott	Detteriuori	Laitii Works Laiiuscape Desigii	130 Scott County Extension	IAC
Scott	Davonnort	Suburban Landscape Associates	ISU Scott County Extension	TAC
30011	Davenport	Suburban Lanuscape Associates	130 Scott County Extension	IAC
Scott	Long Grove	Urban Forest	ISU Scott County Extension	TAC
Scott	Long Grove	Orban i orest	130 Scott County Extension	IAC
Coott	Dovonnort	Spott Carloon Cartified Arboriat	ISI I Scott County Extension	TAC
Scott	Davenport	Scott Carlson Certified Arborist	ISU Scott County Extension	TAC
Coott	Dovopport	Vander Veer Retenieel Berly	ISU Soott County Fytansis	TAC
Scott	Davenport	Vander Veer Botanical Park	ISU Scott County Extension	TAC
Coott	Pottondo-f	Aco Troo Sorvico	ISII Scott County Futancia	TAC
Scott	Bettendorf	Ace Tree Service	ISU Scott County Extension	IAC
Coott	Dovopport	The Garden Growers	ISU Scott County Extension	TAC
Scott	Davenport	The Jaluett Glowels	100 Scott County Extension	IAC
Coott		Eastern Jowa Hay Producers Association	Extension/lowe Boot Continu	EAC
Scott	Davannart	Eastern Iowa Hay Producers Association	Extension/Iowa Beef Center ISU Extension	FAC
Scott	Davenport	Applebee's		PWD PWD
Scott	Walcott	lowa 80 Truckstop	ISU Extension	
Scott	Davenport	P B Leiner	ISUE-CIRAS ISUE-CIRAS	TAC TAC
Scott	Davenport	Nichols Aluminum		TAC
Scott	Davenport Plue Cross	John Deere Davenport Works  Cast Urethane Technologies	ISUE-CIRAS ISUE-CIRAS	TAC
Scott	Blue Grass Davenport			
Scott	ID4veni00ff	John Deere Davenport Works	ISUE-CIRAS	TAC BAC
		DCT Inc	ICLIE CIDAC	
Scott	Davenport	PCT Inc	ISUE-CIRAS	
Scott Scott	Davenport	Event in Scott County	ISUE-CIRAS	BAC
Scott Scott Scott	Davenport Eldridge	Event in Scott County  Quality Construction Service	ISUE-CIRAS ISUE-CIRAS	BAC BAC
Scott Scott Scott Scott	Davenport  Eldridge Pleasant Valley	Event in Scott County Quality Construction Service Environmental Planning Strategies	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	BAC BAC BAC
Scott Scott Scott Scott Scott Scott	Davenport  Eldridge Pleasant Valley Davenport	Event in Scott County Quality Construction Service Environmental Planning Strategies Marco Group International	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	BAC BAC BAC
Scott Scott Scott Scott Scott Scott Scott	Davenport  Eldridge Pleasant Valley Davenport Bettendorf	Event in Scott County Quality Construction Service Environmental Planning Strategies Marco Group International Digital Pathways	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	BAC BAC BAC BAC
Scott Scott Scott Scott Scott Scott Scott Scott Scott	Davenport  Eldridge Pleasant Valley Davenport Bettendorf Davenport	Event in Scott County Quality Construction Service Environmental Planning Strategies Marco Group International Digital Pathways Abrahams Machine Service, Inc.	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	BAC BAC BAC BAC BAC BAC
Scott Scott Scott Scott Scott Scott Scott Scott Scott Scott	Davenport  Eldridge Pleasant Valley Davenport Bettendorf Davenport Bettendorf	Event in Scott County Quality Construction Service Environmental Planning Strategies Marco Group International Digital Pathways Abrahams Machine Service, Inc. WIT Inc.	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	BAC BAC BAC BAC BAC BAC BAC
Scott	Davenport  Eldridge Pleasant Valley Davenport Bettendorf Davenport	Event in Scott County Quality Construction Service Environmental Planning Strategies Marco Group International Digital Pathways Abrahams Machine Service, Inc. WIT Inc. ESCP Corporation	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	BAC BAC BAC BAC BAC BAC BAC BAC
Scott	Davenport  Eldridge Pleasant Valley Davenport Bettendorf Davenport Bettendorf Davenport Davenport	Event in Scott County Quality Construction Service Environmental Planning Strategies Marco Group International Digital Pathways Abrahams Machine Service, Inc. WIT Inc. ESCP Corporation Event in Scott County	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	BAC BAC BAC BAC BAC BAC BAC BAC BAC
Scott	Davenport  Eldridge Pleasant Valley Davenport Bettendorf Davenport Bettendorf Davenport Bettendorf Davenport Eldridge	Event in Scott County Quality Construction Service Environmental Planning Strategies Marco Group International Digital Pathways Abrahams Machine Service, Inc. WIT Inc. ESCP Corporation Event in Scott County Olsen Engineering LP	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	BAC BAC BAC BAC BAC BAC BAC BAC BAC BAC
Scott Scott Scott Scott Scott Scott Scott Scott Scott Scott Scott Scott Scott Scott Scott Scott Scott Scott Scott	Davenport  Eldridge Pleasant Valley Davenport Bettendorf Davenport Bettendorf Davenport Davenport	Event in Scott County Quality Construction Service Environmental Planning Strategies Marco Group International Digital Pathways Abrahams Machine Service, Inc. WIT Inc. ESCP Corporation Event in Scott County Olsen Engineering LP Sears Manufacturing Co	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	BAC BAC BAC BAC BAC BAC BAC BAC BAC BAC
Scott	Davenport  Eldridge Pleasant Valley Davenport Bettendorf Davenport Bettendorf Davenport Eldridge Davenport	Event in Scott County Quality Construction Service Environmental Planning Strategies Marco Group International Digital Pathways Abrahams Machine Service, Inc. WIT Inc. ESCP Corporation Event in Scott County Olsen Engineering LP Sears Manufacturing Co Event in Scott County	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	BAC BAC BAC BAC BAC BAC BAC BAC BAC TAC TAC TAC
Scott Scott Scott Scott Scott Scott Scott Scott Scott Scott Scott Scott Scott Scott Scott Scott Scott Scott Scott	Davenport  Eldridge Pleasant Valley Davenport Bettendorf Davenport Bettendorf Davenport Bettendorf Davenport Eldridge	Event in Scott County Quality Construction Service Environmental Planning Strategies Marco Group International Digital Pathways Abrahams Machine Service, Inc. WIT Inc. ESCP Corporation Event in Scott County Olsen Engineering LP Sears Manufacturing Co	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	BAC BAC BAC BAC BAC BAC BAC BAC BAC BAC

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	Scott	Bettendorf	Missman-Stanley Engineering	CTRE/CP Tech	PWD
	Scott	Davenport	City of Davenport	CTRE/CP Tech	PWD
	Scott	Davenport	Iowa DOT	CTRE/CP Tech	PWD
	Scott	Davenport	MSA Professional Services	CTRE/CP Tech	PWD
	Scott	Davenport	Rockwell Automation	OBP	BAC, FAC, TAC
	Scott	Davenport	NewVentures Initiative	Industry Relations	BCOM
	Scott	Davenport	Rockwell Automation	OBP	BAC, FAC, TAC
	Scott	Quad Cities	Deere	Ag and Biosystems Engineer	TAC
	Scott		Silos & Smokestacks National Heritage Area	Extension CED	OCOM
Scott County	105		· ·		105
,	Shelby	Harlan	Shelby County Develop Source	College of Engineering	BCOM
			, , , , , , , , , , , , , , , , , , ,	IPRT Company Assistance-	
	Shelby	Harlan	Jacobs Corporation	Materials	TAC
	G. Tolloy	ranan	Cacobo Corporation	IPRT Company Assistance-	
	Shelby	Harlan	Jacobs Corporation	NDE	TAC
	Cheby	Tanan	oadobo delperation	Brenton Ctr for Ag	1710
	Shelby	Harlan	Distance Education Students = 1	Instruction	PWD
	Officialy	Tanan	Distance Education Students = 1	Brenton Ctr for Ag	1 VVD
	Shelby	Panama	Distance Education Students = 2	Instruction	PWD
			Grosses' Locker		PWD
	Shelby	Earling		Meat Science Extension	
	Shelby	Harlan	Prairie Rose Lamb, subsidiary of Ag Partners	Animal Science-Morrical	TAC
	Shelby	Harlan	Shelby County Cookers	Meat Science Extension	PWD
	Shelby	Harlan	NPMA-Council Bluffs	Extension CED	PWD
	Shelby		Regional Foods Working Group	Extension CED	BAC
	Shelby		Regional Marketing	Extension CED	BCOM
<u> </u>	Shelby		Rural Development Resource Center: Grow Iowa	Extension CED	BAC/ TCOM/ FAC/
			Fund; Wallace Fund; Southwest Iowa Coalition		BCOM
	Shelby		Shelby County DevelopSource	Extension CED	FAC/ BCOM
	Shelby		Shelby County State Bank	Extension CED	FAC/ BCOM
	Shelby		Southwest Iowa Coalition	Extension CED	FAC
	Shelby	all communities	Volunteer Income Tax Assistance	ISU Extension	OCOM
	Shelby	Elk Horn	World Cal, Inc.	ISUE-CIRAS	BAC
	Shelby	Elk Horn	Liberty Auto Restoration	ISUE-CIRAS	BAC
	Shelby	Defiance	Clean Air Filter Co	ISUE-CIRAS	BAC
	Shelby	Harlan	Conductix	ISUE-CIRAS	TAC
		Harlan	Conductix	ISUE-CIRAS	TAC
	Shelby				
	Shelby	Harlan	Conductix	ISUE-CIRAS	TAC
	Shelby	Harlan	Conductix	ISUE-CIRAS	TAC
	Shelby	Harlan	Jacobs Corp	ISUE-CIRAS	TAC
Shelby					PWD
		Harlan	Shelby Co.	CTRE/CP Tech	
	Shelby	папап	Farmers Trust & Savings Bank	Extension CED	FAC/ BCOM
		Папап	Farmers Trust & Savings Bank Multi-State Regional Development	Extension CED Extension CED	FAC/ BCOM FAC
	Shelby	nanan	Farmers Trust & Savings Bank	Extension CED Extension CED Extension CED	FAC/ BCOM FAC FAC
	Shelby Shelby Shelby Shelby	Pallall	Farmers Trust & Savings Bank Multi-State Regional Development	Extension CED Extension CED	FAC/BCOM FAC FAC OCOM
Shelby County	Shelby Shelby Shelby	Pallall	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa	Extension CED Extension CED Extension CED	FAC/ BCOM FAC FAC
Shelby County	Shelby Shelby Shelby Shelby	Hawarden	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa	Extension CED Extension CED Extension CED	FAC/BCOM FAC FAC OCOM
Shelby County	Shelby Shelby Shelby Shelby Shelby 29		Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors	Extension CED Extension CED Extension CED Extension CED	FAC/BCOM FAC FAC OCOM
Shelby County	Shelby Shelby Shelby Shelby Shelby 29		Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors	Extension CED Extension CED Extension CED Extension CED  Extension CED	FAC/BCOM FAC FAC OCOM
Shelby County	Shelby Shelby Shelby Shelby Shelby Shelby	Hawarden	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden	Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance-	FAC/BCOM FAC FAC OCOM 29 BCOM
Shelby County	Shelby Shelby Shelby Shelby Shelby Shelby	Hawarden	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden	Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials	FAC/BCOM FAC FAC OCOM 29 BCOM
Shelby County	Shelby Shelby Shelby Shelby Shelby 29 Sioux Sioux	Hawarden Orange City	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.	Extension CED Extension CED Extension CED Extension CED  Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE	FAC/ BCOM FAC FAC OCOM 29 BCOM
Shelby County	Shelby Shelby Shelby Shelby Shoux Sioux Sioux	Hawarden Orange City Sioux Center	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural lowa Shelby County Auditors  City of Hawarden  Silent Drive, Inc.  Groschopp, Inc.	Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance-	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC
Shelby County	Shelby Shelby Shelby Shelby Shelby 29 Sioux Sioux Sioux Sioux	Hawarden Orange City Sioux Center Orange City	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites	Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC TAC
Shelby County	Shelby Shelby Shelby Shelby Shoux Sioux Sioux	Hawarden Orange City Sioux Center	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural lowa Shelby County Auditors  City of Hawarden  Silent Drive, Inc.  Groschopp, Inc.	Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC
Shelby County	Shelby Shelby Shelby Shelby Shelby 29 Sioux Sioux Sioux Sioux	Hawarden Orange City Sioux Center Orange City Orange City	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden  Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands	Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC TAC TAC PWD
Shelby County	Shelby Shelby Shelby Shelby Shelby 29 Sioux Sioux Sioux Sioux	Hawarden Orange City Sioux Center Orange City	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites	Extension CED Extension CED Extension CED Extension CED  Extension CED  CRP IIPRT Company Assistance- Materials IIPRT Company Assistance- NDE IIPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC TAC
Shelby County	Shelby Shelby Shelby Shelby Shelby 29 Sioux Sioux Sioux Sioux Sioux Sioux Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2	Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC TAC TAC PWD
Shelby County	Shelby Shelby Shelby Shelby Shelby 29 Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City Orange City Sioux Center	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2  Distance Education Students = 6	Extension CED Extension CED Extension CED Extension CED  Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC TAC TAC PWD PWD
Shelby County	Shelby Shelby Shelby Shelby Shelby 29 Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City Sioux Center Sioux Center	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods	Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC TAC TAC PWD PWD PWD
Shelby County	Shelby Shelby Shelby Shelby Shelby 29 Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City Sioux Center Sioux Center Hawarden	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods Iowa Lamb	Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Animal Science-Morrical	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC TAC TAC PWD PWD PWD PWD TAC
Shelby County	Shelby Shelby Shelby Shelby Shelby 29 Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City Sioux Center Sioux Center Hawarden Hospers	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods Iowa Lamb Premium Iowa Pork, LLC	Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Animal Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC TAC TAC PWD PWD PWD PWD TAC PWD PWD PWD TAC PWD
Shelby County	Shelby Shelby Shelby Shelby Shelby 29 Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City Sioux Center Sioux Center Hawarden	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods Iowa Lamb	Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Meat Science Extension Animal Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC TAC TAC PWD PWD PWD PWD TAC
Shelby County	Shelby Shelby Shelby Shelby Shelby 29 Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City Sioux Center Sioux Center Hawarden Hospers Boyden	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods Iowa Lamb Premium Iowa Pork, LLC SIG International	Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Animal Science-Morrical Meat Science Extension Meat Science Extension Food Science & Human	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC TAC TAC PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Shelby County	Shelby Shelby Shelby Shelby Shelby 29 Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City Sioux Center Sioux Center Hawarden Hospers Boyden Orange City	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods Iowa Lamb Premium Iowa Pork, LLC SIG International  Van Beek Natural Sciences	Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Animal Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Food Science & Human Nutrition	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC TAC TAC PWD PWD PWD PWD TAC PWD TAC TAC PWD TAC TAC PWD TAC TAC PWD TAC TAC TAC PWD TAC TAC TAC PWD TAC TAC TAC PWD TAC TAC TAC TAC TAC TAC TAC TAC TAC TAC
Shelby County	Shelby Shelby Shelby Shelby Shelby 29 Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City Sioux Center Sioux Center Hawarden Hospers Boyden Orange City Orange City Orange City Orange City	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods Iowa Lamb  Premium Iowa Pork, LLC SIG International  Van Beek Natural Sciences Woudstra Meat Market & Lockers	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Food Science Extension Food Science & Human Nutrition Meat Science Extension Meat Science Extension Meat Science Extension	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC TAC TAC PWD PWD PWD PWD TAC TAC PWD PWD TAC TAC PWD PWD TAC TAC PWD PWD TAC PWD PWD TAC PWD PWD TAC PWD PWD
Shelby County	Shelby Shelby Shelby Shelby Shelby 29 Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City Sioux Center Sioux Center Hawarden Hospers Boyden Orange City Orange City Orange City Orange City Orange City Sioux Center	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods Iowa Lamb Premium Iowa Pork, LLC SIG International  Van Beek Natural Sciences Woudstra Meat Market & Lockers Link Manufacturing, Ltd.	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Meat Science Extension Animal Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension ISURF	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC TAC TAC PWD PWD PWD PWD PWD TAC TAC PWD TAC TAC PWD TAC TAC PWD TAC TAC PWD TAC TAC TAC PWD TAC TAC TAC PWD TAC TAC TAC TAC TAC TAC TAC TAC TAC TAC
Shelby County	Shelby Shelby Shelby Shelby Shelby 29 Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City Sioux Center Sioux Center Hawarden Hospers Boyden Orange City Orange City Orange City Orange City	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods Iowa Lamb  Premium Iowa Pork, LLC SIG International  Van Beek Natural Sciences Woudstra Meat Market & Lockers	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Meat Science Extension Animal Science-Morrical Meat Science Extension Meat Science Extension Food Science & Human Nutrition Meat Science Extension Food Science & Human Nutrition Meat Science Extension ISURF Extension CED, CRP	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC TAC TAC PWD PWD PWD PWD TAC TAC PWD PWD TAC TAC PWD PWD TAC TAC PWD PWD TAC PWD PWD TAC PWD PWD TAC PWD PWD
Shelby County	Shelby Shelby Shelby Shelby Shelby 29 Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City Sioux Center Sioux Center Hawarden Hospers Boyden Orange City Orange City Orange City Orange City Orange City Sioux Center	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods Iowa Lamb  Premium Iowa Pork, LLC SIG International  Van Beek Natural Sciences Woudstra Meat Market & Lockers Link Manufacturing, Ltd. City of Hawarden	Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Animal Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Nutrition Meat Science Extension ISURF Extension CED, CRP Extension	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC TAC TAC PWD PWD PWD TAC PWD TAC PWD TAC PWD TAC PWD TAC PWD TAC PWD TAC PWD TAC PWD TAC/TT PWD TT BCOM
Shelby County	Shelby Shelby Shelby Shelby Shelby Shelby 29 Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City Sioux Center Sioux Center Hawarden Hospers Boyden Orange City Orange City Orange City Orange City Sioux Center Hawarden	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods Iowa Lamb Premium Iowa Pork, LLC SIG International  Van Beek Natural Sciences Woudstra Meat Market & Lockers Link Manufacturing, Ltd. City of Hawarden  Sioux County Auditors	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension INUtrition Meat Science Extension ISURF Extension CED, CRP Extension Extension CED	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC TAC TAC PWD PWD PWD PWD TAC TAC PWD PWD TAC/TT PWD TT BCOM OCOM
Shelby County	Shelby Shelby Shelby Shelby Shelby Shelby 29 Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City Sioux Center Sioux Center Hawarden Hospers Boyden Orange City Orange City Orange City Orange City Orange City Sioux Center Hawarden Hospers Boyden	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods Iowa Lamb Premium Iowa Pork, LLC SIG International  Van Beek Natural Sciences Woudstra Meat Market & Lockers Link Manufacturing, Ltd. City of Hawarden  Sioux County Auditors Dordt College	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Meat Science Extension Animal Science-Morrical Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension ISURF Extension CED, CRP Extension CED David Stender	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC TAC TAC PWD PWD PWD PWD PWD TAC TAC PWD TAC TAC PWD TAC TAC PWD PWD TAC TAC PWD TAC TAC PWD TAC TAC PWD TAC TAC PWD TAC TAC PWD TAC TAC PWD TAC TAC PWD TAC TAC PWD TAC TAC TAC PWD TAC TAC TAC PWD TAC TAC TAC PWD TAC TAC TAC TAC PWD TAC TAC TAC TAC TAC PWD TAC TAC TAC TAC TAC TAC TAC TAC TAC TAC
Shelby County	Shelby Shelby Shelby Shelby Shelby Shelby Shelby 29 Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City Sioux Center Sioux Center Hawarden Hospers Boyden Orange City Orange City Orange City Orange City Orange City Sioux Center Hawarden Hospers Boyden	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods Iowa Lamb Premium Iowa Pork, LLC SIG International  Van Beek Natural Sciences Woudstra Meat Market & Lockers Link Manufacturing, Ltd. City of Hawarden  Sioux County Auditors Dordt College DEMCO	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension Animal Science-Morrical Meat Science Extension Food Science Extension Food Science Extension ISURF Extension CED, CRP Extension Extension CED David Stender ISU Extension	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC TAC TAC PWD PWD PWD PWD TAC PWD TAC TAC PWD PWD TAC PWD TAC PWD TAC PWD TAC PWD TAC PWD TAC PWD TAC PWD TAC PWD TAC PWD TAC PWD TAC PWD TAC PWD TAC PWD TAC PWD TAC TT BCOM OCOM FAC PWD
Shelby County	Shelby Shelby Shelby Shelby Shelby Shelby 29 Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City Sioux Center Sioux Center Hawarden Hospers Boyden Orange City Orange City Orange City Orange City Orange City Sioux Center Hawarden Hospers Boyden	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods Iowa Lamb  Premium Iowa Pork, LLC SIG International  Van Beek Natural Sciences Woudstra Meat Market & Lockers Link Manufacturing, Ltd. City of Hawarden  Sioux County Auditors Dordt College DEMCO  The Renew Rural Sciences  Deter County Auditors Dordt College DEMCO  The Foreign Candy Company	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension IMED Meat Science Extension Meat Science Extension Food Science & Human Nutrition Meat Science Extension ISUEF Extension CED, CRP Extension Extension CED David Stender ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC TAC TAC PWD PWD PWD PWD TAC TAC PWD TAC PWD TAC PWD TAC PWD TAC PWD TAC/TT PWD TT BCOM OCOM FAC PWD PWD
Shelby County	Shelby Shelby Shelby Shelby Shelby Shelby Shelby 29 Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City Sioux Center Sioux Center Hawarden Hospers Boyden Orange City Orange City Orange City Orange City Orange City Sioux Center Hawarden Hospers Boyden	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods Iowa Lamb Premium Iowa Pork, LLC SIG International  Van Beek Natural Sciences Woudstra Meat Market & Lockers Link Manufacturing, Ltd. City of Hawarden  Sioux County Auditors Dordt College DEMCO the Foreign Candy Company Advance Brands	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension ISURF Extension CED, CRP Extension Extension CED David Stender ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC TAC TAC PWD PWD PWD TAC/TT PWD TAC/TT PWD TT BCOM OCOM FAC PWD PWD PWD TAC/TT PWD TAC/TT PWD TT BCOM OCOM FAC PWD PWD PWD PWD PWD TAC/TT PWD TT BCOM OCOM FAC PWD PWD PWD PWD PWD PWD
Shelby County	Shelby Shelby Shelby Shelby Shelby Shelby 29 Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City Sioux Center Sioux Center Hawarden Hospers Boyden Orange City Orange City Orange City Sioux Center Hawarden Hospers Sioux Center Hawarden Hull	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods Iowa Lamb  Premium Iowa Pork, LLC SIG International  Van Beek Natural Sciences Woudstra Meat Market & Lockers Link Manufacturing, Ltd. City of Hawarden  Sioux County Auditors Dordt College DEMCO  The Renew Rural Sciences  Deter County Auditors Dordt College DEMCO  The Foreign Candy Company	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension IMED Meat Science Extension Meat Science Extension Food Science & Human Nutrition Meat Science Extension ISUEF Extension CED, CRP Extension Extension CED David Stender ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC TAC TAC PWD PWD PWD PWD TAC TAC PWD TAC PWD TAC PWD TAC PWD TAC PWD TAC/TT PWD TT BCOM OCOM FAC PWD PWD
Shelby County	Shelby Shelby Shelby Shelby Shelby Shelby 29 Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City Orange City Sioux Center Sioux Center Hawarden Hospers Boyden Orange City Orange City Sioux Center Hawarden Hull Orange City Rock Valley	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods Iowa Lamb Premium Iowa Pork, LLC SIG International  Van Beek Natural Sciences Woudstra Meat Market & Lockers Link Manufacturing, Ltd. City of Hawarden  Sioux County Auditors Dordt College DEMCO the Foreign Candy Company Advance Brands	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension ISURF Extension CED, CRP Extension Extension CED David Stender ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC TAC TAC PWD PWD PWD TAC/TT PWD TAC/TT PWD TT BCOM OCOM FAC PWD PWD PWD PWD TAC/TT PWD TT BCOM OCOM FAC PWD PWD PWD PWD PWD PWD TAC/TT PWD TT BCOM OCOM FAC PWD PWD PWD
Shelby County	Shelby Shelby Shelby Shelby Shelby Shelby Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City Sioux Center Sioux Center Hawarden Hospers Boyden Orange City Sioux Center Hawarden Hospers Boyden Orange City Sioux Center Hawarden Hull Orange City Rock Valley Sioux Center	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods Iowa Lamb Premium Iowa Pork, LLC SIG International  Van Beek Natural Sciences Woudstra Meat Market & Lockers Link Manufacturing, Ltd. City of Hawarden  Sioux County Auditors Dordt College DEMCO the Foreign Candy Company Advance Brands Hope Haven, Inc Pella Corporation	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension IN Extension Meat Science Extension Meat Science Extension Meat Science Extension ISUE Extension CED David Stender ISU Extension	FAC/ BCOM FAC FAC FAC OCOM 29 BCOM TAC TAC TAC TAC PWD PWD PWD PWD TAC/TT PWD PWD PWD
Shelby County	Shelby Shelby Shelby Shelby Shelby Shelby Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City Orange City Sioux Center Hawarden Hospers Boyden Orange City Orange City Orange City Sioux Center Hawarden Hospers Boyden Orange City Sioux Center Hawarden Hull Orange City Rock Valley Sioux Center Sioux Center	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods Iowa Lamb  Premium Iowa Pork, LLC SIG International  Van Beek Natural Sciences Woudstra Meat Market & Lockers Link Manufacturing, Ltd. City of Hawarden  Sioux County Auditors Dordt College DEMCO  the Foreign Candy Company Advance Brands Hope Haven, Inc Pella Corporation Sioux Center Comm. School	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension IMED Meat Science Extension Food Science & Human Nutrition Meat Science Extension ISUEF Extension CED, CRP Extension Extension CED David Stender ISU Extension	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC TAC TAC PWD PWD PWD TAC/TT PWD TAC/TT PWD TT BCOM OCOM FAC OCOM FAC PWD PWD PWD PWD PWD PWD TAC/TT PWD TT BCOM OCOM FAC PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Shelby County	Shelby Shelby Shelby Shelby Shelby Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City Sioux Center Sioux Center Hawarden Hospers Boyden Orange City Orange City Orange City Orange City Orange City Orange City Fioux Center Hawarden Sioux Center Houll Orange City Rock Valley Sioux Center Sioux Center Sioux Center	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods Iowa Lamb Premium Iowa Pork, LLC SIG International  Van Beek Natural Sciences Woudstra Meat Market & Lockers Link Manufacturing, Ltd. City of Hawarden  Sioux County Auditors Dordt College DEMCO the Foreign Candy Company Advance Brands Hope Haven, Inc Pella Corporation Sioux Center Comm. School Early Childhood Center	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension ISUENTE Extension Extension CED, CRP Extension Extension CED David Stender ISU Extension	FAC/ BCOM FAC FAC FAC OCOM 29 BCOM TAC TAC TAC PWD PWD PWD PWD TAC/TT PWD TAC/TT PWD TT BCOM OCOM FAC PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Shelby County	Shelby Shelby Shelby Shelby Shelby Shelby Shelby 29 Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City Orange City Sioux Center Sioux Center Hawarden Hospers Boyden Orange City Orange City Orange City Orange City Orange City Sioux Center Hawarden Hull Orange City Rock Valley Sioux Center Sioux Center Sioux Center Sioux Center Sioux Center Sioux Center Sioux Center	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods Iowa Lamb Premium Iowa Pork, LLC SIG International  Van Beek Natural Sciences Woudstra Meat Market & Lockers Link Manufacturing, Ltd. City of Hawarden  Sioux County Auditors Dordt College DEMCO the Foreign Candy Company Advance Brands Hope Haven, Inc Pella Corporation Sioux Center Comm. School Early Childhood Center Orange City Day Care	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Meat Science Extension Animal Science-Morrical Meat Science Extension Meat Science Extension Meat Science Extension ISURF Extension CED, CRP Extension CED, CRP Extension CED David Stender ISU Extension	FAC/ BCOM FAC FAC FAC OCOM 29 BCOM TAC TAC TAC TAC PWD PWD PWD PWD TAC/TT PWD TT BCOM OCOM FAC PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
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Shelby County	Shelby Shelby Shelby Shelby Shelby Shelby Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City Orange City Sioux Center Sioux Center Hawarden Hospers Boyden Orange City Orange City Sioux Center Hawarden Hospers Boyden Orange City Sioux Center Hawarden Sioux Center Boyden Hull Orange City Rock Valley Sioux Center Sioux Center Sioux Center Sioux Center Sioux Center Sioux Center Orange City Orange City Orange City Orange City Orange City Orange City	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods Iowa Lamb Premium Iowa Pork, LLC SIG International  Van Beek Natural Sciences Woudstra Meat Market & Lockers Link Manufacturing, Ltd. City of Hawarden  Sioux County Auditors Dordt College DEMCO the Foreign Candy Company Advance Brands Hope Haven, Inc Pella Corporation Sioux Center Comm. School Early Childhood Center Orange City Day Care Covenant Kids Preschool Crayon Castle	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension INMEDITY OF THE STANDING OF THE S	FAC/ BCOM FAC FAC OCOM 29 BCOM TAC TAC TAC PWD PWD PWD TAC/TT PWD TTAC TAC/TT PWD TT BCOM OCOM FAC PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
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Shelby County	Shelby Shelby Shelby Shelby Shelby Shelby Shelby 29 Sioux	Hawarden  Orange City  Sioux Center  Orange City  Orange City  Orange City  Sioux Center  Sioux Center  Hawarden  Hospers  Boyden  Orange City  Orange City  Orange City  Orange City  Orange City  Sioux Center  Hawarden  Hull  Orange City  Rock Valley  Sioux Center  Sioux Center  Sioux Center  Sioux Center  Sioux Center  Sioux Center  Sioux Center  Sioux Center  Sioux Center  Sioux Center  Sioux Center  Sioux Center  Orange City  Alton  Rock Valley  Sioux Center	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods Iowa Lamb Premium Iowa Pork, LLC SIG International  Van Beek Natural Sciences Woudstra Meat Market & Lockers Link Manufacturing, Ltd. City of Hawarden  Sioux County Auditors Dordt College DEMCO the Foreign Candy Company Advance Brands Hope Haven, Inc Pella Corporation Sioux Center Comm. School Early Childhood Center Orange City Day Care Covenant Kids Preschool Crayon Castle Generations Day care and Peschool Learning Ship Preschool	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Meat Science Extension Animal Science-Morrical Meat Science Extension Meat Science Extension ISURF Extension CED, CRP Extension CED, CRP Extension CED David Stender ISU Extension	FAC/ BCOM FAC FAC FAC OCOM 29 BCOM TAC TAC TAC TAC PWD PWD PWD PWD TAC/TT PWD TT BCOM OCOM FAC PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Shelby County  Shelby County	Shelby Shelby Shelby Shelby Shelby Shelby Shelby Sioux	Hawarden Orange City Sioux Center Orange City Orange City Orange City Orange City Sioux Center Hawarden Hospers Boyden Orange City Orange City Orange City Orange City Orange City Sioux Center Hawarden Hull Orange City Rock Valley Sioux Center Sioux Center Sioux Center Granyelle	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods Iowa Lamb Premium Iowa Pork, LLC SIG International  Van Beek Natural Sciences Woudstra Meat Market & Lockers Link Manufacturing, Ltd. City of Hawarden Sioux County Auditors Dordt College DEMCO the Foreign Candy Company Advance Brands Hope Haven, Inc Pella Corporation Sioux Center Comm. School Early Childhood Center Orange City Day Care Covenant Kids Preschool Crayon Castle Generations Day Care and Peschool Learning Ship Preschool Sioux Golf	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Meat Science Extension Meat Science Extension Meat Science Extension Meat Science Extension ISUER Extension CED, CRP Extension CED, CRP Extension CED David Stender ISU Extension	FAC/ BCOM FAC FAC FAC OCOM 29 BCOM TAC TAC TAC TAC PWD PWD PWD TAC TAC PWD TAC TAC PWD TAC PWD TAC PWD TAC PWD TAC PWD PWD TAC PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Shelby County	Shelby Shelby Shelby Shelby Shelby Shelby Shelby 29 Sioux	Hawarden  Orange City  Sioux Center  Orange City  Orange City  Orange City  Sioux Center  Sioux Center  Hawarden  Hospers  Boyden  Orange City  Orange City  Orange City  Orange City  Orange City  Sioux Center  Hawarden  Hull  Orange City  Rock Valley  Sioux Center  Sioux Center  Sioux Center  Sioux Center  Sioux Center  Sioux Center  Sioux Center  Sioux Center  Sioux Center  Sioux Center  Sioux Center  Sioux Center  Orange City  Alton  Rock Valley  Sioux Center	Farmers Trust & Savings Bank Multi-State Regional Development Renew Rural Iowa Shelby County Auditors  City of Hawarden Silent Drive, Inc.  Groschopp, Inc.  Quatro Composites Advance Brands  Distance Education Students = 2  Distance Education Students = 6 Golden Crisp Premium Foods Iowa Lamb Premium Iowa Pork, LLC SIG International  Van Beek Natural Sciences Woudstra Meat Market & Lockers Link Manufacturing, Ltd. City of Hawarden  Sioux County Auditors Dordt College DEMCO the Foreign Candy Company Advance Brands Hope Haven, Inc Pella Corporation Sioux Center Comm. School Early Childhood Center Orange City Day Care Covenant Kids Preschool Crayon Castle Generations Day care and Peschool Learning Ship Preschool	Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED  CRP IPRT Company Assistance- Materials IPRT Company Assistance- NDE IPRT Company Assistance- NDE IPRT Company Assistance- NDE Meat Science Extension Brenton Ctr for Ag Instruction Meat Science Extension Animal Science-Morrical Meat Science Extension Meat Science Extension ISURF Extension CED, CRP Extension CED, CRP Extension CED David Stender ISU Extension	FAC/ BCOM FAC FAC FAC OCOM 29 BCOM TAC TAC TAC TAC PWD PWD PWD PWD TAC/TT PWD TT BCOM OCOM FAC PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD

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	Sioux	Sioux Center	Siouxperior Research	ISUE-CIRAS	BAC
	Sioux	Orange City	Diamond-Vogel Paint	ISUE-CIRAS	BAC
	Sioux	Rock Valley	Valley Machining Co	ISUE-CIRAS	BAC
	Sioux	Boyden	Dethmers Manufacturing Co	ISUE-CIRAS	TAC
	Sioux	Boyden	Dethmers Manufacturing Co	ISUE-CIRAS	TAC
	Sioux	Boyden	Dethmers Manufacturing Co	ISUE-CIRAS	TAC
	Sioux	Boyden	Dethmers Manufacturing Co	ISUE-CIRAS	TAC
	Sioux	Boyden	Dethmers Manufacturing Co	ISUE-CIRAS	TAC
	Sioux	Boyden	Dethmers Manufacturing Co	ISUE-CIRAS	TAC
	Sioux	Hospers	Den Hartog Industries Inc	ISUE-CIRAS	TAC
	Sioux	Rock Valley	Rock Industries Inc	ISUE-CIRAS	TAC
	Sioux	Orange City	Van Beek Natural Science, LLC	ISUE-CIRAS	TAC
	Sioux	Rock Valley	Rock Industries Inc	ISUE-CIRAS	TAC
	Sioux	Boyden	Dethmers Manufacturing Co	ISUE-CIRAS	TAC
	Sioux	Boyden	Dethmers Manufacturing Co	ISUE-CIRAS	TAC
	Sioux	Hospers	Den Hartog Industries Inc	ISUE-CIRAS	TAC
	Sioux	Sioux Center	Nemschoff Chairs	ISUE-CIRAS	TAC
	Sioux	Orange City	Van Beek Natural Science, LLC	ISUE-CIRAS	TAC
	Sioux	Hospers	Den Hartog Industries Inc	ISUE-CIRAS	TAC
	Sioux	ilospeis	40 election officials certified	CED	OCOM
		O O't			
	Sioux	Orange City	City of Orange City (SCORE)	Sioux County Extension	FAC
	Sioux	Rock Valley	City of Rock Valley (SCORE)	Sioux County Extension	FAC
	Sioux	Sioux Center	City of Sioux Center (SCORE)	Sioux County Extension	FAC
	Sioux	Orange City	Covenant Kids Preschool	Family Life Staff	PWD
	Sioux	Alton	Crayon Castle	Family Life Staff	PWD
	Sioux	Sioux Center	Early Childhood Center	Family Life Staff	PWD
	Sioux		Emergency Management Agency	Lyon & Osceola Extension	OCOM
	Sioux	Rock Valley	Generations Day care and Peschool	Family Life Staff	PWD
	Sioux	Sioux Center	Learning Ship Preschool	Family Life Staff	PWD
		Sloux Certier			
	Sioux		NW Ia Developers Coalition	Lyon & Osceola Extension	BCOM
	Sioux		NW Ia Developers Coalition	Lyon & Osceola Extension	FAC
	Sioux		NW la Developers Coalition	Lyon & Osceola Extension	ОСОМ
	Sioux	Orange City	Orange City Day Care	Family Life Staff	PWD
	Sioux	Sioux Center	Sioux Center Arts Council (mssion/vision)	Sioux County Extension	BCOM
	Sioux	Orange City	Sioux County STEP (Educational grant)	Sioux County Extension	FAC
	Sioux	Granville	Sioux Golf	Families Extension	PWD
	Sioux	Rock Valley	Tri State Ready Mix	CTRE/CP Tech	PWD
	Sioux	Sioux Center	City of Sioux Center	CTRE/CP Tech	PWD
	Sioux	Sioux Center	Sioux Co.	CTRE/CP Tech	PWD
	Sioux	Orange City	Van Beek Natural Sciences	Food Science & Human Nutri	
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	Sioux Sioux	Orange City	Sioux County (Bioeconomy Discussion)	Sioux County Extension	FAC
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	Sioux Sioux	Orange City	Sioux County (Bioeconomy Discussion)	Sioux County Extension	FAC FAC
	Sioux Sioux Sioux	Orange City All Co.Towns	Sioux County (Bioeconomy Discussion) Sioux County employers (Grassley forum)	Sioux County Extension Sioux County Extension	FAC FAC
Sioux County	Sioux Sioux Sioux Sioux	Orange City All Co.Towns	Sioux County (Bioeconomy Discussion) Sioux County employers (Grassley forum) Sioux County employers (Harkin forum)	Sioux County Extension Sioux County Extension Sioux County Extension	FAC FAC PWD
Sioux County	Sioux Sioux Sioux Sioux Sioux	Orange City All Co.Towns	Sioux County (Bioeconomy Discussion) Sioux County employers (Grassley forum) Sioux County employers (Harkin forum)	Sioux County Extension Sioux County Extension Sioux County Extension	FAC FAC PWD
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Sioux County	Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux	Orange City All Co. Towns All Co. Towns Ames	Sioux County (Bioeconomy Discussion) Sioux County employers (Grassley forum) Sioux County employers (Harkin forum) Sioux County Boone, Hamilton, and Story Soil and Water Conservation Districts	Sioux County Extension Sioux County Extension Sioux County Extension Extension CED	FAC FAC FAC PWD 7
Sioux County	Sioux Sioux Sioux Sioux Sioux Sioux Sioux Story Story	Orange City All Co.Towns All Co.Towns Ames Ames	Sioux County (Bioeconomy Discussion) Sioux County employers (Grassley forum) Sioux County employers (Harkin forum) Sioux County  Boone, Hamilton, and Story Soil and Water Conservation Districts Prarie Rivers RC&D	Sioux County Extension Sioux County Extension Sioux County Extension Extension CED  NREM NREM	FAC FAC FAC PWD 7 TCOM TCOM
Sioux County	Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux	Orange City All Co. Towns All Co. Towns Ames	Sioux County (Bioeconomy Discussion) Sioux County employers (Grassley forum) Sioux County employers (Harkin forum) Sioux County Boone, Hamilton, and Story Soil and Water Conservation Districts	Sioux County Extension Sioux County Extension Sioux County Extension Extension CED	FAC FAC FAC PWD 7
Sioux County	Sioux Sioux Sioux Sioux Sioux Sioux Sioux Story Story Story	Orange City All Co.Towns All Co.Towns Ames Ames Ames Ames	Sioux County (Bioeconomy Discussion) Sioux County employers (Grassley forum) Sioux County employers (Harkin forum) Sioux County  Boone, Hamilton, and Story Soil and Water Conservation Districts Prarie Rivers RC&D Farm Bureau Summit	Sioux County Extension Sioux County Extension Sioux County Extension Extension CED  NREM NREM Ag	FAC FAC FAC PWD 7 TCOM TCOM FAC
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Sioux County	Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux T77 Story	Orange City All Co.Towns All Co.Towns All Co.Towns All Co.Towns Ames Ames Ames Ames Ames Ames Ames Ame	Sioux County (Bioeconomy Discussion) Sioux County employers (Grassley forum) Sioux County employers (Harkin forum) Sioux County employers (Harkin forum) Sioux County Boone, Hamilton, and Story Soil and Water Conservation Districts Prarie Rivers RC&D Farm Bureau Summit  IDNR, IDALS, Soil and Water Conservation Districts GlobalVetLink Sirrah EndoMetric Integrated Sensors Technologies, Inc. BioCrystals Quality Attributes Biotronics Biotronics Biotronics New Link Genetics MSTRS Dahl Communications Stach Design Clearsighted BioForce Nanosciences Aqueterinary Services, PC PK Biosciences Story County Construction Ames Economic Development Commission EnaGen ISU Facilities, Planning and Management SMT Construction Ettrema Almaco Ames Lions Club - Built Environment/Health Fellow Schools Safe Routes to School Trails and Physicial Activity Ames School District	Sioux County Extension Sioux County Extension Sioux County Extension Extension CED  NREM NREM Ag NREM OIPTT	FAC FAC FAC FAC FAC PWD TCOM TCOM FAC  PWD BAC BAC BAC BAC BAC BAC BAC BAC BAC BAC
Sioux County	Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux Sioux T77 Story	Orange City All Co.Towns All Co.Towns All Co.Towns All Co.Towns Ames Ames Ames Ames Ames Ames Ames Ame	Sioux County (Bioeconomy Discussion) Sioux County employers (Grassley forum) Sioux County employers (Harkin forum) Sioux County employers (Harkin forum) Sioux County  Boone, Hamilton, and Story Soil and Water Conservation Districts Prarie Rivers RC&D Farm Bureau Summit  IDNR, IDALS, Soil and Water Conservation Districts Global/VetLink Sirrah EndoMetric Integrated Sensors Technologies, Inc. BioCrystals Quality Attributes Biotronics Biotronics Biotronics NewLink Genetics MSTRS Dahl Communications Stach Design Clearsighted BioForce Nanosciences Aqueterinary Services, PC PK Biosciences Story County Construction Ames Economic Development Commission EnaGen ISU Facilities, Planning and Management SMT Construction Etrema Almaco Ames Lions Club - Built Environment/Health Fellow Schools Safe Routes to School Trails and Physical Activity Ames School District Story County Master Gardeners	Sioux County Extension Sioux County Extension Sioux County Extension Extension CED  NREM NREM Ag  NREM OIPTT College of Business College of Business College of Business College of Business College of Business College of Business Landscape Architecture Landscape Architecture Landscape Architecture IDRO IDRO	FAC FAC FAC FAC FAC PWD TCOM TCOM FAC  PWD BAC BAC BAC BAC BAC BAC BAC BAC BAC BAC

Story	Slater	Slater	Landscape Architecture,	BCOM
<u> </u>			IDRO	
Story	Ames	Randall Corporation	College of Engineering	TAC
Story	Ames	Ames Economic Development Commission	College of Engineering	BCOM
Story	Ames	Palisades Corporation	College of Engineering	BAC FAC
Story Story	Ames Ames	Genisis Biosystems, Inc. Intrusol, Inc.	College of Engineering College of Engineering	FAC/TAC
Story	Ames	Best Energies	College of Engineering	FAC
Story	Nevada	Coskata	College of Engineering	FAC
Story	Ames	Frontline Bioenergy, Inc.	College of Engineering	FAC
Story	Ames	Cmnet Incorporated	College of Engineering	TAC
Story	Ames	General Atomics	College of Engineering	FAC
Story	Ames	Intellignostics	College of Engineering	FAC
Story	Nevada	Iowa Energy Center	College of Engineering	TAC
Story	Ames	Fisher and Associates	College of Engineering	PWD
Story	Ames	Mercury Marine	College of Engineering	PWD
Story	Ames	3M	College of Engineering	PWD
Story	Ames	Sauer Danfoss	College of Engineering	PWD
			Center for Physical and Computational Mathematics,	
Ctory	Ames	City of Ames	IPRT	тсом
Story	Allies	City of Affies	Center for Nondestructive	TCOW
Story	Ames	Advanced Structural Imaging	Evaluation, IPRT	TAC, TT
Otory	Airies	Advanced Structural imaging	Center for Nondestructive	170, 11
Story	Ames	NDE Technologies	Evaluation, IPRT	TAC, TT
o.c.,	7 111100	TIEL TOSIMOIOGIOS	Center for Sustainable	
			Environmental	
Story	Ames	Frontline Bioenergy	Technologies, IPRT	FAC
		57	Center for Sustainable	
			Environmental	
Story	Ames	Hawkeye Renewable	Technologies, IPRT	FAC
			Center for Sustainable	
			Environmental	
Story	Ames	Iowa Energy Center	Technologies, IPRT	FAC
			Center for Sustainable	
			Environmental	
Story	Ames	iPrism	Technologies, IPRT	FAC
0.			IPRT Company Assistance-	
Story	Ames	Ag Leader Technology, Inc.	Materials	TAC
Ctom	Nevedo	ALMACO	IPRT Company Assistance-	TAC
Story	Nevada	ALMACO	Materials IPRT Company Assistance-	TAC
Story	Story City	American Packaging Corporation	Materials	TAC
Otory	Olory Oily	7 inchear i delaging corporation	IPRT Company Assistance-	17.0
Story	Ames	Facilities Planning and Management, ISU	Materials	TAC
		, , , , , , , , , , , , , , , , , , ,	IPRT Company Assistance-	
Story	Ames	Hach Company	Materials	TAC
			IPRT Company Assistance-	
Story	Huxley	Kreg Tool Company	Materials	TAC
			IPRT Company Assistance-	
Story	Nevada	Mid-America Manufacturing, Inc.	Materials	TAC
-			IPRT Company Assistance-	
Story	Ames	Sauer Danfoss Company	Materials	TAC
Ctom	A	Sigmons Water Tachnalogies Core	IPRT Company Assistance-	TAC
Story	Ames	Siemens Water Technologies Corp.	Materials IPRT Company Assistance-	TAC
Story	Story City	American Packaging Corporation	NDE	TAC
Jiory	Citity Oily	, and rount is acknowing corporation	IPRT Company Assistance-	.,,,,
Story	Ames	City of Ames	NDE	TAC
1		-	IPRT Company Assistance-	
Story	Ames	Hach Company	NDE	TAC
			IPRT Company Assistance-	
 Story	Nevada	Mid-America Manufacturing, Inc.	NDE	TAC
			IPRT Company Assistance-	
Story	Ames	Sauer Danfoss Company	NDE	TAC
			IPRT Company Assistance-	
Story	Ames	Steve Kartenheuser-Individual	NDE	TAC
			IPRT Company Assistance-	
Stony	Amaa	Molocular Express Inc	Technology	тт
Story	Ames	Molecular Express, Inc.	Commercialization IPRT Company Assistance-	1.1
			Technology	
Story	Ames	MSTRS Technologies, Inc.	Commercialization	TT
Citity	, 11100	morro reciniologica, inc.	IPRT Company Assistance-	
	1		Technology	
Stony	Ames	PHD Technologies LLC		TT
Story	Ames	PHD Technologies LLC	Commercialization	TT
Story	Ames	PHD Technologies LLC	Commercialization IPRT Company Assistance-	TT
			Commercialization	тт
Story	Ames	PHD Technologies LLC Siemens Water Technologies Corporation	Commercialization IPRT Company Assistance- Technology	
			Commercialization  IPRT Company Assistance- Technology Commercialization	
Story	Ames	Siemens Water Technologies Corporation	Commercialization IPRT Company Assistance- Technology Commercialization Virtual Reality Applications	П

			Food Science & Human	
Story	Ames	Advanced Analytical Tecnologies	Nutrition	TAC/FAC/TT
Story	Ames	Advanced Analytical Technologies	Agricultural & Biosystem	TAC/FAC/TT
Story	Story City	American Packaging	Engineering - STIR	TAC
Story	Ames	Ames Community Public Schools	EEOB - Debinski	OCOM
Story	Ames	BASF	ABE/IGQI	TAC
Story	Ames	Biobased Industry Outlook Conference	OBP, CCUR & others	PWD, FAC
		,	Food Science & Human	
Story	Ames	Bioforce Nanosciences	Nutrition	TAC/FAC/TT
Story	Ames	Biorenewables Summit	OBP, CCUR & others	FAC
Story	Ames	BiOva	CCUR	FAC
,			Organic Ag Program (K.	
			Delate; Agronomy &	
Story	Kelley	Blue River Hybrids	Horticulture)	TAC
Story	Í	Boehringer Ingelhimer Vetmedica	Animal Science	FAC
Story	Nevada	Burke Corporation	Meat Science Extension	PWD
Story	Ames	CAI Students	Crop Advisor Institute	PWD
Story	Ames	City of Ames	NREM	BCOM, OCOM
			Brenton Ctr for Ag	
Story	Colo	Distance Education Students = 1	Instruction	PWD
			Brenton Ctr for Ag	
Story	Gilbert	Distance Education Students = 1	Instruction	PWD
			Brenton Ctr for Ag	
Story	Kelley	Distance Education Students = 1	Instruction	PWD
			Brenton Ctr for Ag	
Story	Cambridge	Distance Education Students = 2	Instruction	PWD
			Brenton Ctr for Ag	
Story	Slater	Distance Education Students = 2	Instruction	PWD
			Brenton Ctr for Ag	
Story	Roland	Distance Education Students = 3	Instruction	PWD
			Brenton Ctr for Ag	
Story	Ames	Distance Education Students = 404	Instruction	PWD
			Brenton Ctr for Ag	
Story	Story City	Distance Education Students = 5	Instruction	PWD
_			Brenton Ctr for Ag	
Story	Huxley	Distance Education Students = 6	Instruction	PWD
_			Brenton Ctr for Ag	
Story	Nevada	Distance Education Students = 7	Instruction	PWD
Story	Ames	Enagen, LLC	ABE/IGQI	TAC
Story	Gilbert	Gilbert Community Schools	Families Extension	OCOM
Story				
	Nevada	Heart of Iowa Cooperative	ABE/IGQI	TAC
		·		
Story	Nevada	Heart of Iowa Cooperative  Heart of Iowa Cooperative	Economics, CCUR & others	FAC
Story	Nevada	Heart of Iowa Cooperative	Economics, CCUR & others An Sci Microbiology	FAC
Story	Nevada Ames	Heart of Iowa Cooperative	Economics, CCUR & others An Sci Microbiology Program	FAC OCOM
Story	Nevada	Heart of Iowa Cooperative	Economics, CCUR & others An Sci Microbiology Program FSHN	FAC
Story Story Story	Nevada Ames Ames	Heart of Iowa Cooperative  lowa 4-H Round-up  lowa Dietetic Assoc Annual Meeting	Economics, CCUR & others An Sci Microbiology Program FSHN Horticulture Research	FAC OCOM FAC
Story	Nevada Ames	Heart of Iowa Cooperative	Economics, CCUR & others An Sci Microbiology Program FSHN Horticulture Research Station, ISU	FAC OCOM
Story Story Story Story	Nevada Ames Ames Ames	Heart of Iowa Cooperative  Iowa 4-H Round-up  Iowa Dietetic Assoc Annual Meeting  Iowa Turf Grass Institute	Economics, CCUR & others An Sci Microbiology Program FSHN Horticulture Research Station, ISU Agricultural & Biosystems	FAC OCOM FAC TAC
Story Story Story	Nevada Ames Ames	Heart of Iowa Cooperative  lowa 4-H Round-up  lowa Dietetic Assoc Annual Meeting	Economics, CCUR & others An Sci Microbiology Program FSHN Horticulture Research Station, ISU Agricultural & Biosystems Engineering	FAC OCOM FAC
Story Story Story Story Story	Nevada Ames Ames Ames Ames	Heart of Iowa Cooperative  Iowa 4-H Round-up Iowa Dietetic Assoc Annual Meeting Iowa Turf Grass Institute Iowa Turkey Federation	Economics, CCUR & others An Sci Microbiology Program FSHN Horticulture Research Station, ISU Agricultural & Biosystems Engineering Horticulture Research	FAC OCOM FAC TAC
Story Story Story Story Story Story Story	Nevada Ames Ames Ames Ames Ames	Heart of Iowa Cooperative  Iowa 4-H Round-up Iowa Dietetic Assoc Annual Meeting Iowa Turf Grass Institute  Iowa Turkey Federation Iowa Wine Growers Association	Economics, CCUR & others An Sci Microbiology Program FSHN Horticulture Research Station, ISU Agricultural & Biosystems Engineering Horticulture Research Station, ISU	FAC OCOM FAC TAC TAC TAC
Story Story Story Story Story Story Story Story Story	Ames Ames Ames Ames Ames Ames Ames Ames	Heart of Iowa Cooperative  Iowa 4-H Round-up Iowa Dietetic Assoc Annual Meeting Iowa Turf Grass Institute Iowa Turkey Federation Iowa Wine Growers Association ISU Alumni - VEISHEA	Economics, CCUR & others An Sci Microbiology Program FSHN Horticulture Research Station, ISU Agricultural & Biosystems Engineering Horticulture Research Station, ISU CCUR	FAC OCOM FAC TAC TAC TAC FAC
Story Story Story Story Story Story Story	Nevada Ames Ames Ames Ames Ames	Heart of Iowa Cooperative  Iowa 4-H Round-up Iowa Dietetic Assoc Annual Meeting Iowa Turf Grass Institute  Iowa Turkey Federation Iowa Wine Growers Association	Economics, CCUR & others An Sci Microbiology Program FSHN Horticulture Research Station, ISU Agricultural & Biosystems Engineering Horticulture Research Station, ISU CCUR OBP (Raman)	FAC OCOM FAC TAC TAC TAC
Story Story Story Story Story Story Story Story Story Story Story	Nevada  Ames  Ames  Ames  Ames  Ames  Ames  Ames  Ames  Ames  Ames	Heart of Iowa Cooperative  Iowa 4-H Round-up Iowa Dietetic Assoc Annual Meeting  Iowa Turf Grass Institute  Iowa Turkey Federation  Iowa Wine Growers Association ISU Alumni - VEISHEA John Deere	Economics, CCUR & others An Sci Microbiology Program FSHN Horticulture Research Station, ISU Agricultural & Biosystems Engineering Horticulture Research Station, ISU CCUR OBP (Raman) Joseph Chen - ABE and	FAC OCOM FAC TAC TAC TAC FAC FAC
Story Story Story Story Story Story Story Story Story Story Story Story	Ames Ames Ames Ames Ames Ames Ames Ames	Heart of Iowa Cooperative  Iowa 4-H Round-up Iowa Dietetic Assoc Annual Meeting Iowa Turf Grass Institute  Iowa Turkey Federation Iowa Wine Growers Association ISU Alumni - VEISHEA John Deere  Kreg Tool	Economics, CCUR & others An Sci Microbiology Program FSHN Horticulture Research Station, ISU Agricultural & Biosystems Engineering Horticulture Research Station, ISU CCUR OBP (Raman) Joseph Chen - ABE and CIRAS	FAC OCOM FAC TAC TAC TAC FAC FAC TAC
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Story Story Story Story Story Story Story Story Story Story Story Story Story Story Story Story Story	Nevada Ames Ames Ames Ames Ames Ames Ames Ames	Heart of Iowa Cooperative  Iowa 4-H Round-up Iowa Dietetic Assoc Annual Meeting  Iowa Turf Grass Institute  Iowa Turkey Federation  Iowa Wine Growers Association ISU Alumni - VEISHEA  John Deere  Kreg Tool Lincoln Way Energy Lincolnway Energy	Economics, CCUR & others An Sci Microbiology Program FSHN Horticulture Research Station, ISU Agricultural & Biosystems Engineering Horticulture Research Station, ISU CCUR OBP (Raman) Joseph Chen - ABE and CIRAS ABE FSHN & CCUR	FAC OCOM FAC TAC TAC TAC TAC FAC FAC TAC TAC TAC TAC TAC TAC TAC TAC
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Story Story Story Story Story Story Story Story Story Story Story Story Story Story Story Story Story Story	Nevada  Ames Ames Ames Ames Ames Ames Ames Ame	Heart of Iowa Cooperative  Iowa 4-H Round-up Iowa Dietetic Assoc Annual Meeting Iowa Turf Grass Institute Iowa Turkey Federation Iowa Wine Growers Association ISU Alumni - VEISHEA John Deere  Kreg Tool Lincoln Way Energy Lincolnway Energy Mid West Pack	Economics, CCUR & others An Sci Microbiology Program FSHN Horticulture Research Station, ISU Agricultural & Biosystems Engineering Horticulture Research Station, ISU CCUR OBP (Raman) Joseph Chen - ABE and CIRAS ABE FSHN & CCUR Meat Science Extension Joseph Chen - ABE and	FAC OCOM FAC TAC TAC TAC TAC FAC FAC TAC TAC TAC TAC TAC TAC TAC TAC TAC T
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Story Story	Nevada Ames Ames Ames Ames Ames Ames Ames Ames	Heart of Iowa Cooperative  Iowa 4-H Round-up Iowa Dietetic Assoc Annual Meeting  Iowa Turf Grass Institute  Iowa Turkey Federation  Iowa Wine Growers Association ISU Alumni - VEISHEA John Deere  Kreg Tool Lincoln Way Energy Lincolnway Energy Mid West Pack  Mid-America Manufacturing Multiple entities	Economics, CCUR & others An Sci Microbiology Program FSHN Horticulture Research Station, ISU Agricultural & Biosystems Engineering Horticulture Research Station, ISU CCUR OBP (Raman) Joseph Chen - ABE and CIRAS ABE FSHN & CCUR Meat Science Extension Joseph Chen - ABE and CIRAS OBP (Raman) Joseph Chen - ABE and CIRAS OBP (Raman) Joseph Chen - ABE and	FAC OCOM FAC TAC TAC TAC TAC TAC TAC TAC TAC TAC T
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Story Story	Ames Ames Ames Ames Ames Ames Ames Ames	Heart of Iowa Cooperative  Iowa 4-H Round-up Iowa Dietetic Assoc Annual Meeting Iowa Turf Grass Institute Iowa Turkey Federation Iowa Wine Growers Association ISU Alumni - VEISHEA John Deere  Kreg Tool Lincoln Way Energy Lincolnway Energy Lincolnway Energy Mid West Pack  Mid-America Manufacturing Multiple entities  Power Film Solar	Economics, CCUR & others An Sci Microbiology Program FSHN Horticulture Research Station, ISU Agricultural & Biosystems Engineering Horticulture Research Station, ISU CCUR OBP (Raman) Joseph Chen - ABE and CIRAS ABE FSHN & CCUR Meat Science Extension Joseph Chen - ABE and CIRAS OBP (Raman) Joseph Chen - ABE and CIRAS OBP (Raman) Joseph Chen - ABE and CIRAS OBP (Raman) Joseph Chen - ABE and CIRAS Brenton Ctr for Ag	FAC OCOM FAC TAC TAC TAC TAC TAC FAC TAC TAC FAC TAC TAC TAC TAC TAC TAC TAC TAC TAC T
Story Story	Nevada Ames Ames Ames Ames Ames Ames Ames Ames	Heart of Iowa Cooperative  Iowa 4-H Round-up Iowa Dietetic Assoc Annual Meeting  Iowa Turf Grass Institute  Iowa Turkey Federation  Iowa Wine Growers Association ISU Alumni - VEISHEA John Deere  Kreg Tool Lincoln Way Energy Lincolnway Energy Mid West Pack  Mid-America Manufacturing Multiple entities	Economics, CCUR & others An Sci Microbiology Program FSHN Horticulture Research Station, ISU Agricultural & Biosystems Engineering Horticulture Research Station, ISU CCUR OBP (Raman) Joseph Chen - ABE and CIRAS ABE FSHN & CCUR Meat Science Extension Joseph Chen - ABE and CIRAS OBP (Raman) Joseph Chen - ABE and CIRAS OBP (Raman) Joseph Chen - ABE and CIRAS BEAN OBP (Raman) Joseph Chen - ABE and CIRAS Brenton Ctr for Ag Instruction	FAC OCOM FAC TAC TAC TAC TAC TAC TAC TAC TAC TAC T
Story Story	Nevada Ames Ames Ames Ames Ames Ames Ames Ames	Heart of Iowa Cooperative  Iowa 4-H Round-up Iowa Dietetic Assoc Annual Meeting  Iowa Turf Grass Institute  Iowa Turkey Federation  Iowa Wine Growers Association ISU Alumni - VEISHEA John Deere  Kreg Tool Lincoln Way Energy Lincolnway Energy Mid West Pack  Mid-America Manufacturing Multiple entities  Power Film Solar  PSEOA Distance Education Students = 1	Economics, CCUR & others An Sci Microbiology Program FSHN Horticulture Research Station, ISU Agricultural & Biosystems Engineering Horticulture Research Station, ISU CCUR OBP (Raman) Joseph Chen - ABE and CIRAS ABE FSHN & CCUR Meat Science Extension Joseph Chen - ABE and CIRAS OBP (Raman) Joseph Chen - ABE and CIRAS Brenton Ctr for Ag Instruction Brenton Ctr for Ag	FAC OCOM FAC TAC TAC TAC TAC FAC FAC FAC TAC TAC TAC TAC TAC TAC TAC TAC TAC T
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Story Story	Nevada Ames Ames Ames Ames Ames Ames Ames Ames	Heart of Iowa Cooperative  Iowa 4-H Round-up Iowa Dietetic Assoc Annual Meeting  Iowa Turf Grass Institute  Iowa Turkey Federation  Iowa Wine Growers Association ISU Alumni - VEISHEA  John Deere  Kreg Tool Lincoln Way Energy Lincolnway Energy Mid West Pack  Mid-America Manufacturing Multiple entities  Power Film Solar  PSEOA Distance Education Students = 1	Economics, CCUR & others An Sci Microbiology Program FSHN Horticulture Research Station, ISU Agricultural & Biosystems Engineering Horticulture Research Station, ISU CCUR OBP (Raman) Joseph Chen - ABE and CIRAS ABE FSHN & CCUR Meat Science Extension Joseph Chen - ABE and CIRAS OBP (Raman) Joseph Chen - ABE and CIRAS OBP (Raman) Joseph Chen - ABE and CIRAS Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Dept. of Horticulture/ISURF -	FAC OCOM FAC TAC TAC TAC TAC FAC TAC TAC FAC TAC TAC TAC TAC TAC TAC TAC TAC TAC T
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Story	Nevada	Heart of Iowa Cooperative	Economics, CCUR & others	FAC
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Story	Huxley	Star Services	ISURF	TT
Story	Ames	Catilin, Inc.	ISURF	TT
Story	Ames	Vibroacoustics Solutions, Inc.	ISURF	TT
Story	Ames	Advanced Analytical Technologies	ISURF	TT
Story	Ames	Catilin, Inc.	ISURF	TT
Story	Ames	Osteoceramics, Inc.	ISURF	TT
Story	Ames	Vibroacoustics Solutions, Inc.	ISURF	TT
Story	Ames	Integrated Sensor Technologies, Inc.	ISURF	TT
Story	Ames	Kyle Horn	ISURF	TT
Story	Ames	Vibroacoustics Solutions, Inc.	ISURF	TT
Story	Ames	ACCESS	Extension CED	PWD
		ACTORS, Inc.		PWD
Story	Ames		Extension CED	
Story	Ames	Ames	Extension CED	OCOM/ TCOM/
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Story	Ames	Ames Lions Club - Built Environment/Health	Extension CED, Landscape	PWD
			Architecture Extension	
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Story	Ames	Ames Park and Recreation	Extension CED	TCOM
Story	Ames	Ames School District	IDRO	OCOM
Story	Ames	Arc of Story County	Extension CED	PWD
Story	Ames	Beyond Welfare	Extension CED	PWD
Story	Ames	Center for Child Care Resources	Extension CED	PWD
Story	Ames	Center for Creative Justice	Extension CED	PWD
Story	Ames	Child Serve	Extension CED	PWD
				BCOM
Story	Ames	City of Ames, IA	CD-DIAL - Sociology	BCOIVI
			Extension	
Story	Ames	Crossroads	Extension CED	PWD
Story Story	Ames Ames	Crossroads Fellow Schools Safe Routes to School	Extension CED Extension CED, Landscape	PWD BCOM
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Story	Ames	Fellow Schools Safe Routes to School  Iowa Sports Foundation	Extension CED Extension CED, Landscape Architecture Extension	ВСОМ
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Story Story	Ames Ames Ames Ames Ames Ames Ames Ames	Fellow Schools Safe Routes to School  lowa Sports Foundation lowa Turkey Federation ISU ISU Excellence of the Arts & Humanities ISU Foundation ISU-CFAH NAMI-CI NE lowa Community Development Conference People Place Prairie Rivers RC&D Richmond Center Story Co Decat/Empowerment Story County Master Gardeners Story county residents LHTF Student The Arc of Story County The Richmond Center Trails and Physical Activity  University Community Childcare Volunteer Center of Story Co Youth & Shelter Services YWCA Ames-ISU	Extension CED Extension CED, Landscape Architecture Extension  Extension CED	BCOM  PWD PWD PWD PWD PWD PWD PWD PWD PWD PW
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Story Story	Ames Ames Ames Ames Ames Ames Ames Ames	Fellow Schools Safe Routes to School  lowa Sports Foundation lowa Turkey Federation ISU ISU Excellence of the Arts & Humanities ISU Foundation ISU-CFAH NAMI-CI NE lowa Community Development Conference People Place Prairie Rivers RC&D Richmond Center Story Co Decat/Empowerment Story County Master Gardeners Story county residents LHTF Student The Arc of Story County The Richmond Center Trails and Physical Activity  University Community Childcare Volunteer Center of Story Co Youth & Shelter Services YWCA Ames-ISU	Extension CED Extension CED, Landscape Architecture Extension  Extension CED	BCOM  PWD PWD PWD PWD PWD PWD PWD PWD PWD PW
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Story Story	Ames Ames Ames Ames Ames Ames Ames Ames	Fellow Schools Safe Routes to School  lowa Sports Foundation lowa Turkey Federation ISU ISU Excellence of the Arts & Humanities ISU Foundation ISU-CFAH NAMI-CI NE Iowa Community Development Conference People Place Prairie Rivers RC&D Richmond Center Story Co Decat/Empowerment Story County Master Gardeners Story county residents LHTF Student The Arc of Story County The Richmond Center Trails and Physical Activity  United Way of Story County University Community Childcare Volunteer Center of Story Co Youth & Shelter Services YWCA Ames-ISU unknown Gilbert	Extension CED Extension CED, Landscape Architecture Extension  Extension CED	BCOM  PWD PWD PWD PWD PWD PWD PWD PWD PWD PW
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Story Story	Ames Ames Ames Ames Ames Ames Ames Ames	Fellow Schools Safe Routes to School  lowa Sports Foundation lowa Turkey Federation ISU ISU Excellence of the Arts & Humanities ISU Foundation ISU-CFAH NAMI-CI NE Iowa Community Development Conference People Place Prairie Rivers RC&D Richmond Center Story Co Decat/Empowerment Story County Master Gardeners Story county residents LHTF Student The Arc of Story County The Richmond Center Trails and Physical Activity  United Way of Story County University Community Childcare Volunteer Center of Story Co Youth & Shelter Services YWCA Ames-ISU unknown Gilbert Gilbert School District  Board of Administrators	Extension CED Extension CED, Landscape Architecture Extension  Extension CED	BCOM  PWD PWD PWD PWD PWD PWD PWD PWD PWD PW
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Story	Roland	Child Serve	Extension CED	PWD
Story	Slater	Slater	Landscape Architecture, IDRO	ВСОМ
Story		Silos & Smokestacks National Heritage Area	Extension CED	ОСОМ
Story		Story County	Extension CED	OCOM
Story		Story County	Extension CED	OCOM/ PWD
G.C.,		otory county	Thoreson, Dale Fld Spec	000, 1 112
Story	Ames	Iowa State Dairy Associataion	ANR	TAC
Story	Nevada	HERTZ FARM MANAGEMENT	Story County Extension	FAC
Story	Nevada	LINCOLNWAY ENERGY	Story County Extension	FAC
Sidiy	INEVAUA	LINCOLIWAT LINLINGT	Story County Extension	i AC
Story	Ames	UNITED WAY OF STORY COUNTY	Story County Communities	FAC
Story	Ames	HEARTLAND SENIOR SERVICES	Story County Families Unit	PWD
Story	Ames	NUCARA PHARMACY	Story County Families Unit	PWD
Story	Ames	AGING RESOURCES OF CENTRAL IA	Story County Families Unit	PWD
Story	Nevada	COMMUNITY BANK	Story County Extension	FAC, TT
Story	Nevada	STATE BANK & TRUST	Story County Extension	FAC, TT
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Story	Ames	COMMUNITY FOUNDATION OF STORY	Story County Communities Story County Ag & Natural	FAC, PWD
Story	Roland	HEART OF IOWA COOP	Resources	FAC, PWD
 Story	Huxley	THREE C'S	Story County Youth	FAC
·	·		Story County Ag & Natural	
Story	Ames	AG INFORMATION CENTER	Resources	FAC
Story	Ames	Imran Haq (Individual Owner)	ISU Extension	PWD
Story	Ames	Cindy Clark (Individual Owner)	ISU Extension	PWD
	Ames	Alpha Delta Pi	ISU Extension	PWD
Story			ISU Extension	PWD
Story	Huxley	Ballard Community Schools		
Story	Ames	Border's	ISU Extension	PWD
Story	Huxley	Dairy Queen	ISU Extension	PWD
Story	Ames	Dairy Queen - Ames	ISU Extension	PWD
Story	Ames	Panda Express	ISU Extension	PWD
Story	Ames	The Flying Burrito	ISU Extension	PWD
Story	Ames	The Rose of Ames	ISU Extension	PWD
Story	Ames	Grau Construction	ISU Extension	TAC
Story		Event in Story County	ISUE-CIRAS	FAC
Story		Event in Story County	ISUE-CIRAS	FAC
	Amoo		ISUE-CIRAS	FAC
Story	Ames	Center for Crops Utilization Research		
Story		Event in Story County	ISUE-CIRAS	FAC
Story	Story City	Record Printing Co	ISUE-CIRAS	TAC
		Engineering Continuing Edcation - SCADA,		
		Substation and Feeder Automation in Electric		
Story	Ames	Utilites Short Course	ISUE-CIRAS	PWD
Story	Ames	Utilites Short Course Engineering Continuing Edcation - SCADA, Substation and Feeder Automation in Electric	ISUE-CIRAS	
Story	Ames	Engineering Continuing Edcation - SCADA,	ISUE-CIRAS	PWD PWD
		Engineering Continuing Edcation - SCADA, Substation and Feeder Automation in Electric Utilities Short Course		
Story	Ames	Engineering Continuing Edcation - SCADA, Substation and Feeder Automation in Electric Utilities Short Course Engineering Continuing Edcation - ASCE/ICEA	ISUE-CIRAS	
		Engineering Continuing Edcation - SCADA, Substation and Feeder Automation in Electric Utilities Short Course Engineering Continuing Edcation - ASCE/ICEA Surveying Conference		PWD
Story	Ames	Engineering Continuing Edcation - SCADA, Substation and Feeder Automation in Electric Utilities Short Course Engineering Continuing Edcation - ASCE/ICEA Surveying Conference Engineering Continuing Edcation - ASCE	ISUE-CIRAS	PWD PWD
Story	Ames	Engineering Continuing Edcation - SCADA, Substation and Feeder Automation in Electric Utilities Short Course Engineering Continuing Edcation - ASCE/ICEA Surveying Conference Engineering Continuing Edcation - ASCE Transportation Conference	ISUE-CIRAS	PWD
Story Story	Ames Ames	Engineering Continuing Edcation - SCADA, Substation and Feeder Automation in Electric Utilities Short Course Engineering Continuing Edcation - ASCE/ICEA Surveying Conference Engineering Continuing Edcation - ASCE Transportation Conference Engineering Continuing Edcation - Iowa Better	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	PWD PWD
Story	Ames	Engineering Continuing Edcation - SCADA, Substation and Feeder Automation in Electric Utilities Short Course Engineering Continuing Edcation - ASCE/ICEA Surveying Conference Engineering Continuing Edcation - ASCE Transportation Conference Engineering Continuing Edcation - Iowa Better Concrete Conference	ISUE-CIRAS	PWD PWD
Story Story	Ames Ames	Engineering Continuing Edcation - SCADA, Substation and Feeder Automation in Electric Utilities Short Course Engineering Continuing Edcation - ASCE/ICEA Surveying Conference Engineering Continuing Edcation - ASCE Transportation Conference Engineering Continuing Edcation - Iowa Better Concrete Conference Engineering Continuing Edcation - Greater Iowa Asphalt Conference	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	PWD PWD
Story Story Story Story Story	Ames Ames Ames Ames Ames	Engineering Continuing Edcation - SCADA, Substation and Feeder Automation in Electric Utilities Short Course Engineering Continuing Edcation - ASCE/ICEA Surveying Conference Engineering Continuing Edcation - ASCE Transportation Conference Engineering Continuing Edcation - Iowa Better Concrete Conference Engineering Continuing Edcation - Greater Iowa Asphalt Conference Engineering Continuing Edcation - 2006 Road	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	PWD PWD PWD PWD
Story Story Story Story	Ames Ames Ames	Engineering Continuing Edcation - SCADA, Substation and Feeder Automation in Electric Utilities Short Course Engineering Continuing Edcation - ASCE/ICEA Surveying Conference Engineering Continuing Edcation - ASCE Transportation Conference Engineering Continuing Edcation - Iowa Better Concrete Conference Engineering Continuing Edcation - Greater Iowa Asphalt Conference	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	PWD PWD PWD
Story Story Story Story Story	Ames Ames Ames Ames Ames	Engineering Continuing Edcation - SCADA, Substation and Feeder Automation in Electric Utilities Short Course Engineering Continuing Edcation - ASCE/ICEA Surveying Conference Engineering Continuing Edcation - ASCE Transportation Conference Engineering Continuing Edcation - Iowa Better Concrete Conference Engineering Continuing Edcation - Greater Iowa Asphalt Conference Engineering Continuing Edcation - 2006 Road Profilers User Group (RPUG) Meeting Engineering Continuing Edcation - Electric Motor Protection Short Course	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	PWD PWD PWD PWD
Story Story Story Story Story Story Story	Ames Ames Ames Ames Ames Ames Ames	Engineering Continuing Edcation - SCADA, Substation and Feeder Automation in Electric Utilities Short Course Engineering Continuing Edcation - ASCE/ICEA Surveying Conference Engineering Continuing Edcation - ASCE Transportation Conference Engineering Continuing Edcation - Iowa Better Concrete Conference Engineering Continuing Edcation - Greater Iowa Asphalt Conference Engineering Continuing Edcation - 2006 Road Profilers User Group (RPUG) Meeting Engineering Continuing Edcation - Electric Motor Protection Short Course Engineering Continuing Edcation - Electric Motor Protection Short Course Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Iowa County	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	PWD PWD PWD PWD PWD
Story Story Story Story Story Story Story Story Story	Ames Ames Ames Ames Ames Ames Ames Ames	Engineering Continuing Edcation - SCADA, Substation and Feeder Automation in Electric Utilities Short Course Engineering Continuing Edcation - ASCE/ICEA Surveying Conference Engineering Continuing Edcation - ASCE Transportation Conference Engineering Continuing Edcation - Iowa Better Concrete Conference Engineering Continuing Edcation - Greater Iowa Asphalt Conference Engineering Continuing Edcation - 2006 Road Profilers User Group (RPUG) Meeting Engineering Continuing Edcation - Electric Motor Protection Short Course Engineering Continuing Edcation - Iowa County Engineers Conference Engineering Continuing Edcation - Safety Inspection of In Service Bridges - 130055A	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	PWD PWD PWD PWD PWD PWD PWD
Story Story Story Story Story Story Story Story Story Story Story Story	Ames Ames Ames Ames Ames Ames Ames Ames	Engineering Continuing Edcation - SCADA, Substation and Feeder Automation in Electric Utilities Short Course Engineering Continuing Edcation - ASCE/ICEA Surveying Conference Engineering Continuing Edcation - ASCE Transportation Conference Engineering Continuing Edcation - Iowa Better Concrete Conference Engineering Continuing Edcation - Greater Iowa Asphalt Conference Engineering Continuing Edcation - 2006 Road Profilers User Group (RPUG) Meeting Engineering Continuing Edcation - Electric Motor Protection Short Course Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Safety Inspection	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	PWD PWD PWD PWD PWD PWD PWD
Story Story Story Story Story Story Story Story Story Story Story Story Story	Ames Ames Ames Ames Ames Ames Ames Ames	Engineering Continuing Edcation - SCADA, Substation and Feeder Automation in Electric Utilities Short Course Engineering Continuing Edcation - ASCE/ICEA Surveying Conference Engineering Continuing Edcation - ASCE Transportation Conference Engineering Continuing Edcation - Iowa Better Concrete Conference Engineering Continuing Edcation - Greater Iowa Asphalt Conference Engineering Continuing Edcation - Greater Iowa Asphalt Conference Engineering Continuing Edcation - 2006 Road Profilers User Group (RPUG) Meeting Engineering Continuing Edcation - Electric Motor Protection Short Course Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Safety Inspection of In Service Bridges - 130055A Engineering Continuing Edcation - ASCE Iowa Section Annual Meeting Engineering Continuing Edcation - Iowa County	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
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Story Story Story Story Story Story Story Story Story Story Story Story Story	Ames Ames Ames Ames Ames Ames Ames Ames	Engineering Continuing Edcation - SCADA, Substation and Feeder Automation in Electric Utilities Short Course Engineering Continuing Edcation - ASCE/ICEA Surveying Conference Engineering Continuing Edcation - ASCE Transportation Conference Engineering Continuing Edcation - Iowa Better Concrete Conference Engineering Continuing Edcation - Greater Iowa Asphalt Conference Engineering Continuing Edcation - Greater Iowa Asphalt Conference Engineering Continuing Edcation - 2006 Road Profilers User Group (RPUG) Meeting Engineering Continuing Edcation - Electric Motor Protection Short Course Engineering Continuing Edcation - Iowa County Engineers Conference Engineering Continuing Edcation - Safety Inspection of In Service Bridges - 130055A Engineering Continuing Edcation - ASCE Iowa Section Annual Meeting Engineering Continuing Edcation - Iowa County Engineers Association Midyear Meeting	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Story Story Story Story Story Story Story Story Story Story Story Story Story Story Story	Ames Ames Ames Ames Ames Ames Ames Ames	Engineering Continuing Edcation - SCADA, Substation and Feeder Automation in Electric Utilities Short Course Engineering Continuing Edcation - ASCE/ICEA Surveying Conference Engineering Continuing Edcation - ASCE Transportation Conference Engineering Continuing Edcation - Iowa Better Concrete Conference Engineering Continuing Edcation - Greater Iowa Asphalt Conference Engineering Continuing Edcation - Greater Iowa Asphalt Conference Engineering Continuing Edcation - 2006 Road Profilers User Group (RPUG) Meeting Engineering Continuing Edcation - Electric Motor Protection Short Course Engineering Continuing Edcation - Iowa County Engineers Conference Engineering Continuing Edcation - Iowa County Engineers Conference Engineering Continuing Edcation - ASCE Iowa Section Annual Meeting Engineering Continuing Edcation - Iowa County Engineers Association Midyear Meeting Engineering Continuing Edcation - Electrical Distribution Systems Short Course Engineering Continuing Edcation - Electrical Engineering Continuing Edcation - ASCE Structural Engineering Confirence	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Story Story Story Story Story Story Story Story Story Story Story Story Story Story Story Story	Ames Ames Ames Ames Ames Ames Ames Ames	Engineering Continuing Edcation - SCADA, Substation and Feeder Automation in Electric Utilities Short Course Engineering Continuing Edcation - ASCE/ICEA Surveying Conference Engineering Continuing Edcation - ASCE Transportation Conference Engineering Continuing Edcation - Iowa Better Concrete Conference Engineering Continuing Edcation - Greater Iowa Asphalt Conference Engineering Continuing Edcation - 2006 Road Profilers User Group (RPUG) Meeting Engineering Continuing Edcation - Electric Motor Protection Short Course Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Safety Inspection of In Service Bridges - 130055A Engineering Continuing Edcation - ASCE Iowa Section Annual Meeting Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Electrical Distribution Systems Short Course Engineering Continuing Edcation - ASCE Structural Engineering Continuing Edcation - Electric Substation Short Course	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Story Story Story Story Story Story Story Story Story Story Story Story Story Story Story Story Story Story	Ames Ames Ames Ames Ames Ames Ames Ames	Engineering Continuing Edcation - SCADA, Substation and Feeder Automation in Electric Utilities Short Course Engineering Continuing Edcation - ASCE/ICEA Surveying Conference Engineering Continuing Edcation - ASCE Transportation Conference Engineering Continuing Edcation - Iowa Better Concrete Conference Engineering Continuing Edcation - Greater Iowa Asphalt Conference Engineering Continuing Edcation - Greater Iowa Asphalt Conference Engineering Continuing Edcation - 2006 Road Profilers User Group (RPUG) Meeting Engineering Continuing Edcation - Electric Motor Protection Short Course Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Safety Inspection of In Service Bridges - 130055A Engineering Continuing Edcation - ASCE Iowa Section Annual Meeting Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Electrical Distribution Systems Short Course Engineering Continuing Edcation - ASCE Structural Engineering Continuing Edcation - Electric	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Story Story	Ames Ames Ames Ames Ames Ames Ames Ames	Engineering Continuing Edcation - SCADA, Substation and Feeder Automation in Electric Utilities Short Course Engineering Continuing Edcation - ASCE/ICEA Surveying Conference Engineering Continuing Edcation - ASCE Transportation Conference Engineering Continuing Edcation - Iowa Better Concrete Conference Engineering Continuing Edcation - Greater Iowa Asphalt Conference Engineering Continuing Edcation - Greater Iowa Asphalt Conference Engineering Continuing Edcation - 2006 Road Profilers User Group (RPUG) Meeting Engineering Continuing Edcation - Electric Motor Protection Short Course Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Safety Inspection of In Service Bridges - 130055A Engineering Continuing Edcation - ASCE Iowa Section Annual Meeting Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Belectrical Distribution Systems Short Course Engineering Continuing Edcation - ASCE Structural Engineering Contenence Engineering Continuing Edcation - Electric Substation Short Course Engineering Continuing Edcation - Electric Substation Short Course Engineering Continuing Edcation - Special Permitting Rules and Procedures in Iowa Engineering Continuing Edcation - ASCE	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Story Story	Ames Ames Ames Ames Ames Ames Ames Ames	Engineering Continuing Edcation - SCADA, Substation and Feeder Automation in Electric Utilities Short Course Engineering Continuing Edcation - ASCE/ICEA Surveying Conference Engineering Continuing Edcation - ASCE Transportation Conference Engineering Continuing Edcation - Iowa Better Concrete Conference Engineering Continuing Edcation - Greater Iowa Asphalt Conference Engineering Continuing Edcation - Greater Iowa Asphalt Conference Engineering Continuing Edcation - 2006 Road Profilers User Group (RPUG) Meeting Engineering Continuing Edcation - Electric Motor Protection Short Course Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Safety Inspection of In Service Bridges - 130055A Engineering Continuing Edcation - ASCE Iowa Section Annual Meeting Engineering Continuing Edcation - Iowa County Engineers Association Midyear Meeting Engineering Continuing Edcation - Electrical Distribution Systems Short Course Engineering Continuing Edcation - ASCE Structural Engineering Continuing Edcation - Electric Substation Short Course Engineering Continuing Edcation - Electric Substation Short Course Engineering Continuing Edcation - Special Permitting Rules and Procedures in Iowa Engineering Continuing Edcation - ASCE Geotechnical Conference Engineering Continuing Edcation - 42nd Annual	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
Story Story	Ames Ames Ames Ames Ames Ames Ames Ames	Engineering Continuing Edcation - SCADA, Substation and Feeder Automation in Electric Utilities Short Course Engineering Continuing Edcation - ASCE/ICEA Surveying Conference Engineering Continuing Edcation - ASCE Transportation Conference Engineering Continuing Edcation - Iowa Better Concrete Conference Engineering Continuing Edcation - Greater Iowa Asphalt Conference Engineering Continuing Edcation - 2006 Road Profilers User Group (RPUG) Meeting Engineering Continuing Edcation - Electric Motor Protection Short Course Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Safety Inspection of In Service Bridges - 130055A Engineering Continuing Edcation - ASCE Iowa Section Annual Meeting Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Iowa County Engineering Continuing Edcation - Electrical Distribution Systems Short Course Engineering Continuing Edcation - ASCE Structural Engineering Continuing Edcation - Electric Substation Short Course Engineering Continuing Edcation - Electric Substation Short Course Engineering Continuing Edcation - Electric Substation Short Course Engineering Continuing Edcation - Special Permitting Rules and Procedures in Iowa Engineering Continuing Edcation - ASCE	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD

			Engineering Continuing Edcation - Midwestern		
	Story	Ames	Protective Relay Short Course	ISUE-CIRAS	PWD
	•		Engineering Continuing Edcation - Underwater		
	Story	Ames	Bridge Inspection NHI Course # 130091	ISUE-CIRAS	PWD
	01	A	Engineering Continuing Edcation - Midwest	IOLIE OIDAO	DIMP
	Story	Ames	Concrete Consortium  Engineering Continuing Edcation - Midwest	ISUE-CIRAS	PWD
			Thermodynamics and Statistical Mechanics		
	Story	Ames	Conference	ISUE-CIRAS	PWD
	,		Engineering Continuing Edcation - Control System		
			Cyber Security: Achieve Compliance and Secure		
	Story	Ames	Your Systems	ISUE-CIRAS	PWD
			Engineering Continuing Edcation - ASCE		
	_		Environmental and Water Resources Design		
	Story	Ames	Conference	ISUE-CIRAS	PWD
			Engineering Continuing Education - SCADA,		
	Story	Ames	Substation and Feeder Automation in Electric Utilities Short Course	ISUE-CIRAS	PWD
	Story	Story City	American Packaging Corp	ISUE-CIRAS	TAC
	Story	Otory Oity	Event in Story County	ISUE-CIRAS	TAC
	Story		Event in Story County	ISUE-CIRAS	TAC
	Story	Roland	Innovative Lighting Inc	ISUE-CIRAS	TAC
	Story	Nevada	Mid-America Manufacturing Inc	ISUE-CIRAS	TAC
	Story	Huxley	Kreg Tool Co	ISUE-CIRAS	TAC
·	Story	Story City	The Box Company	ISUE-CIRAS	TAC
	Story	Ames	Heuss Printing Inc	ISUE-CIRAS	BAC
	Story		Event in Story County	ISUE-CIRAS	FAC
	Story	Ames	Quality Attributes Software, Inc.	ISUE-CIRAS	BAC
	Story	Story City	Record Printing Co	ISUE-CIRAS	BAC
	Story	Story City	Record Printing Co	ISUE-CIRAS	TAC
	Story	Nevada	ALMACO	ISUE-CIRAS	TAC
	Story	Nevada	Burke Marketing Corp	ISUE-CIRAS	TAC
	Story	Story City	American Packaging Corp	ISUE-CIRAS	TAC
	Story	Ames	Becker Underwood Inc Becker Underwood Inc	ISUE-CIRAS	TAC
	Story Story	Ames Ames	Ames	ISUE-CIRAS CTRE/CP Tech	PWD
	Story	Ames	Buena Vista Co.	CTRE/CP Tech	PWD
	Story	Ames	City of Amee	CTRE/CP Tech	PWD
	Story	Ames	City of Clear Lake	CTRE/CP Tech	PWD
	Story	Ames	Clay Co.	CTRE/CP Tech	PWD
	Story	Ames	Fayette Co.	CTRE/CP Tech	PWD
	Story	Ames	FHWA	CTRE/CP Tech	PWD
	Story	Ames	FHWA	CTRE/CP Tech	PWD
	Story	Ames	FHWA-lowa	CTRE/CP Tech	PWD
	Story	Ames	Fox Engineering	CTRE/CP Tech	PWD
	Story	Ames	Iowa Co.	CTRE/CP Tech	PWD
	Story	Ames	Iowa Concrete Paving	CTRE/CP Tech	PWD
	Story	Ames	Iowa DOT	CTRE/CP Tech	PWD
	Story	Ames	Jackson Co.	CTRE/CP Tech	PWD
	Story	Ames	Linn Co.	CTRE/CP Tech	PWD
	Story	Ames	Marion Co.	CTRE/CP Tech	PWD
	Story	Ames	Michigan CPA	CTRE/CP Tech	PWD
	Story	Ames	Monroe Co.	CTRE/CP Tech	PWD
	Story	Ames	Ready Mix Concrete Co. Rietz Consultants Ltd.	CTRE/CP Tech CTRE/CP Tech	PWD PWD
	Story Story	Ames Ames	Transtec	CTRE/CP Tech	PWD
	Story	Ames	Wayne Co.	CTRE/CP Tech	PWD
	Story	Ames	WHKS & Co.	CTRE/CP Tech	PWD
	Story	Huxley	Huxley	CTRE/CP Tech	PWD
	Story	Huxley	TV-45	CTRE/CP Tech	PWD
	Story	Ames	City of Ames	OBP	BAC, FAC, TAC
	Story	Ames	Frontline BioEnergy	OBP	BAC, FAC, TAC
	Story	Ames	Frontline BioEnergy	OBP	BAC, FAC, TAC
	Story	Ames	Frontline BioEnergy	OBP	BAC, FAC, TAC
	Story	Ames	Ames Economic Development Commission	Industry Relations	BCOM
	Story	Ames	Iowa Workforce Development- Ames Office	Industry Relations	BCOM
	Story	Nevada	Nevada Economic Development Council	Industry Relations	BCOM
	Story	Ames	GlobalVetLink	Industry Relations	BCOM
	Story	Ames	Frontline Bioenergy LLC	Industry Relations	TAC
	Story	Nevada	Lincolnway Energy, LLC	Industry Relations	TAC
	Story	Nevada	Lincolnway Energy, LLC	Industry Relations	TAC
	Story	Nevada	Lincolnway Energy, LLC	Industry Relations	TAC
		Ames	BioForce Nanosciences EnSoft Corp	Industry Relations Industry Relations	TAC
	Story	A		UDDUSTRY RELATIONS	TAC
	Story	Ames	· · · · · · · · · · · · · · · · · · ·		ITAC
	Story Story	Ames	Infiscape	Industry Relations	TAC
	Story Story Story	Ames Ames	Infiscape Metabolic Technologies	Industry Relations Industry Relations	TAC
	Story Story Story Story	Ames Ames Ames	Infiscape Metabolic Technologies Glycon	Industry Relations Industry Relations Industry Relations	TAC TAC
	Story Story Story Story Story	Ames Ames Ames Ames	Infiscape Metabolic Technologies Glycon iSeek	Industry Relations Industry Relations Industry Relations Industry Relations	TAC TAC TAC
	Story Story Story Story Story Story Story	Ames Ames Ames Ames Ames	Infiscape Metabolic Technologies Glycon iSeek CombiSep	Industry Relations Industry Relations Industry Relations Industry Relations Industry Relations Industry Relations	TAC TAC TAC
	Story Story Story Story Story Story Story Story Story	Ames Ames Ames Ames Ames Ames Nevada	Infiscape Metabolic Technologies Glycon iSeek CombiSep Almaco	Industry Relations Industry Relations Industry Relations Industry Relations Industry Relations Industry Relations Industry Relations	TAC TAC TAC TAC TAC TAC
	Story Story Story Story Story Story Story Story Story Story Story Story	Ames Ames Ames Ames Ames Ames Ames Ames	Infiscape Metabolic Technologies Glycon iSeek CombiSep Almaco City of Ames	Industry Relations Industry Relations Industry Relations Industry Relations Industry Relations Industry Relations Industry Relations OBP	TAC TAC TAC TAC TAC TAC BAC, FAC, TAC
	Story Story Story Story Story Story Story Story Story	Ames Ames Ames Ames Ames Ames Nevada	Infiscape Metabolic Technologies Glycon iSeek CombiSep Almaco	Industry Relations Industry Relations Industry Relations Industry Relations Industry Relations Industry Relations Industry Relations	TAC TAC TAC TAC TAC TAC

	Cton	Nevada	Lincolnway Energy	OBP	BAC, FAC, TAC
	Story Story	Ames IA	Iowa Dietetic Assoc Annual Meeting	FSHN faculty included White,	
	Story	Ames	Biorenewables Summit	OBP, CCUR & others	FAC
	Story	Ames	BiOva	CCUR	FAC
	Story	Ames	ISU Alumni - VEISHEA	CCUR	FAC
	Story	Nevada	Heart of Iowa Cooperative		FAC
	Story	Ames	Lincolnway Energy	FSHN & CCUR	TAC
	Story	Ames	BASF	ABE/IGQI	TAC
	Story	Ames	Enagen, LLC	ABE/IGQI	TAC
	Story	Nevada	Heart of Iowa Cooperative	ABE/IGQI	TAC
	Story	Ames	Advanced Analytical Tecnologies	Food Science & Human Nutri	
	Story	Ames	Bioforce Nanosciences	Food Science & Human Nutri	
	Story	Ames	Vibroacoustics Solutions LLC	CCUR	TT
	Story	Gilbert	Gilbert Community Schools	ISU Extension	OCOM
	Story	Ames	Biobased Industry Outlook Conference		PWD, FAC
	Story	Various	Wall Street Journal	ABE/IGQI	FAC
	Story	Ames	AmesBio inc.	Agronomy	TAC
				Agricultural Education and	-
	Story	Gilbert	Gilbert Community Schools	Studies	ОСОМ
	Í		,	Agricultural Education and	
	Story	Story City	Roland Story Community Schools	Studies	OCOM
				Agricultural Education and	
	Story	Story City	Roland Story Community Schools	Studies	OCOM
			,	Agricultural Education and	
	Story	Ames	Iowa Pork Industry Center	Studies	FAC
				Agricultural Education and	
	Story	Ames	WHO AM Radio	Studies	FAC
				Agricultural Education and	
	Story	Gilbert	Gilbert Community School		FAC
				Agricultural Education and	
	Story	Ames	Iowa Beef Teaching/Research Station	Studies	FAC
				Agricultural Education and	
<u></u>	Story	Colo	Colo-NESCO Community School		FAC
			·	Agricultural Education and	
	Story	Ames	U.S. Pork Center for Excellence	Studies	FAC
				Agricultural Education and	
	Story	Ames	ISU Marketing	Studies	FAC
				Agricultural Education and	
	Story	Ames	Iowa Beef Coucil	Studies	FAC
	Story		Story County Auditors	Extension CED	OCOM
	Story		Story - ISU Extension County Office Marketing	CD-DIAL - Sociology	BAC
			Surveys	Extension	
	Story		United Community School District	CD-DIAL - Sociology	OCOM
				Extension	
	Story	Ames	Iowa Beef Industry Council - Michelle Baumhover	ISU Extension	TAC
Story County	365				365
	Tama	Buckingham	Tama County Township Trustees & Clerks	IDRO	TCOM
	Tama	Chelsea	Tama County Township Trustees & Clerks	IDRO	TCOM
	Tama	Clutier	Tama County Township Trustees & Clerks	IDRO	TCOM
	Tama	Dysart	Tama County Township Trustees & Clerks	IDRO	TCOM
	Tama	Elberon	Tama County Township Trustees & Clerks	IDRO	TCOM
	Tama	Garwin	Tama County Township Trustees & Clerks	IDRO	TCOM
	Tama	Tama	Tama County Township Trustees & Clerks	IDRO	TCOM
	Tama	Toledo	Tama County Township Trustees & Clerks	IDRO	TCOM
	Tama	Toledo	Toledo	Landscape Architecture,	BCOM
				IDRO	
	Tama	Traer	Tama County Township Trustees & Clerks	IDRO	TCOM
	Tama	Toledo	Tama County Economic Development Corporation		BCOM
				Brenton Ctr for Ag	
	Tama	Buckingham	Distance Education Students = 2		PWD
		L		Brenton Ctr for Ag	
	Tama	Toledo	Distance Education Students = 3		PWD
	Tama	Dysart	Van"s Locker, Inc.		PWD
	Tama	Buckingham	Tama County Township Trustees & Clerks	Extension CED, IDRO	TCOM
	Tama	Chelsea	Tama County Township Trustees & Clerks	Extension CED, IDRO	TCOM
		Chitian	Tama County Township Trustees & Clerks		TCOM
	Tama	Clutier			
	Tama	Dysart	Tama County Township Trustees & Clerks	Extension CED, IDRO	TCOM
	Tama Tama	Dysart Elberon	Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks	Extension CED, IDRO	TCOM
1	Tama Tama Tama	Dysart Elberon Garwin	Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks	Extension CED, IDRO Extension CED, IDRO	TCOM TCOM
	Tama Tama Tama Tama	Dysart Elberon Garwin Tama	Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks	Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO	TCOM TCOM TCOM
	Tama Tama Tama Tama Tama	Dysart Elberon Garwin Tama Toledo	Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks	Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO	TCOM TCOM TCOM TCOM
	Tama Tama Tama Tama	Dysart Elberon Garwin Tama	Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks	Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO Landscape Architecture,	TCOM TCOM TCOM
	Tama Tama Tama Tama Tama Tama	Dysart Elberon Garwin Tama Toledo Toledo	Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Toledo	Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO Landscape Architecture, IDRO	TCOM TCOM TCOM TCOM BCOM
	Tama Tama Tama Tama Tama Tama Tama Tama	Dysart Elberon Garwin Tama Toledo Toledo Traer	Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Toledo  NE Iowa Community Development Conference	Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO Landscape Architecture, IDRO Extension CED	TCOM TCOM TCOM TCOM BCOM
	Tama Tama Tama Tama Tama Tama Tama Tama	Dysart Elberon Garwin Tama Toledo Toledo	Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Toledo  NE Iowa Community Development Conference Tama County Township Trustees & Clerks	Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO Landscape Architecture, IDRO Extension CED Extension CED Extension CED, IDRO	TCOM TCOM TCOM TCOM BCOM
	Tama Tama Tama Tama Tama Tama Tama Tama	Dysart Elberon Garwin Tama Toledo Toledo Traer	Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Toledo  NE Iowa Community Development Conference Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks	Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO Landscape Architecture, IDRO Extension CED Extension CED Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO	TCOM TCOM TCOM TCOM TCOM TCOM TCOM BCOM TCOM OCOM
	Tama Tama Tama Tama Tama Tama Tama Tama	Dysart Elberon Garwin Tama Toledo Toledo Traer Traer Toledo	Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Toledo  NE Iowa Community Development Conference Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Auditors Tama Co. Township Trustees Training	Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO Landscape Architecture, IDRO Extension CED Extension CED Extension CED, IDRO Extension CED, IDRO Extension CED Tama County Extension	TCOM TCOM TCOM TCOM TCOM BCOM TCOM TCOM OCOM OCOM
	Tama Tama Tama Tama Tama Tama Tama Tama	Dysart Elberon Garwin Tama Toledo Toledo Traer Traer Toledo Toledo Toledo	Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Toledo  NE Iowa Community Development Conference Tama County Township Trustees & Clerks Tama County Auditors Tama Co. Township Trustees Training general public - low income population	Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO Landscape Architecture, IDRO Extension CED Extension CED Extension CED, IDRO Extension CED, IDRO Extension CED Tama County Extension ISU Extension	TCOM TCOM TCOM TCOM TCOM BCOM FAC TCOM OCOM OCOM OCOM
	Tama Tama Tama Tama Tama Tama Tama Tama	Dysart Elberon Garwin Tama Toledo Toledo Traer Traer Toledo Toledo Toledo Toledo Toledo	Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Toledo  NE Iowa Community Development Conference Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Auditors Tama Co. Township Trustees Training general public - low income population Child Care Providers	Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO Landscape Architecture, IDRO Extension CED Extension CED Extension CED, IDRO Extension CED, IDRO Extension CED Tama County Extension ISU Extension ISU Extension	TCOM TCOM TCOM TCOM TCOM BCOM  FAC TCOM OCOM OCOM OCOM PWD
	Tama Tama Tama Tama Tama Tama Tama Tama	Dysart Elberon Garwin Tama Toledo Toledo Traer Traer Toledo Toledo Toledo Toledo Toledo Toledo Toledo	Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Toledo  NE Iowa Community Development Conference Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Auditors Tama Co. Township Trustees Training general public - low income population Child Care Providers Traer Manufacturing	Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO Landscape Architecture, IDRO Extension CED Extension CED Extension CED, IDRO Extension CED Tama County Extension ISU Extension ISU Extension	TCOM TCOM TCOM TCOM TCOM TCOM BCOM  FAC TCOM OCOM OCOM OCOM PWD TAC
	Tama Tama Tama Tama Tama Tama Tama Tama	Dysart Elberon Garwin Tama Toledo Toledo Traer Traer Toledo Toledo Toledo Toledo Toledo	Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Toledo  NE Iowa Community Development Conference Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Auditors Tama Co. Township Trustees Training general public - low income population Child Care Providers Traer Manufacturing Tama Co.	Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO Landscape Architecture, IDRO Extension CED Extension CED Extension CED Tama County Extension ISU Extension ISU Extension ISUE-CIRAS CTRE/CP Tech	TCOM TCOM TCOM TCOM TCOM TCOM BCOM  FAC TCOM OCOM OCOM OCOM PWD TAC PWD
	Tama Tama Tama Tama Tama Tama Tama Tama	Dysart Elberon Garwin Tama Toledo Toledo Traer Traer Toledo Toledo Toledo Toledo Toledo Toledo Toledo	Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Toledo  NE Iowa Community Development Conference Tama County Township Trustees & Clerks Tama County Township Trustees & Clerks Tama County Auditors Tama Co. Township Trustees Training general public - low income population Child Care Providers Traer Manufacturing	Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO Extension CED, IDRO Landscape Architecture, IDRO Extension CED Extension CED Extension CED, IDRO Extension CED Tama County Extension ISU Extension ISU Extension ISU Extension ISUE-CIRAS CTRE/CP Tech Extension CED	TCOM TCOM TCOM TCOM TCOM BCOM BCOM  FAC TCOM OCOM OCOM OCOM PWD TAC

	Tama	0	Tama County	Extension CED	OCOM/ PWD
	Tama	County	Supporting Kids in Prevention	4-H Youth Development	OCOM
Tama County	Toylor 3		Bedford Area Economic Development	College of Engineering	35 FAC
	Taylor	Bedford	Bediord Area Economic Development	College of Engineering Brenton Ctr for Ag	FAC
	Taylor	Lenox	Distance Education Students = 1	Instruction	PWD
	Taylor	Lonox	Bedford Area Economic Development	Extension CED	FAC/ BCOM
	Taylor		Emerald Hills Dairy Consortium	Extension CED	BAC
	Taylor		Lenox Municipal Utilities	Extension CED	FAC/ BCOM
	Taylor		Rural Development Resource Center: Grow Iowa	Extension CED	BAC/ TCOM/ FAC
			Fund; Wallace Fund; Southwest Iowa Coalition		BCOM
	Taylor		Southwest Iowa Coalition	Extension CED	FAC
	Taylor		Southwest Iowa Latino Resource Center	Extension CED	BAC
	Taylor		Taylor County Farm Bureau	Extension CED	FAC/ BCOM
	Taylor	Bedford	Bedford Building Supply	CIRAS	BAC
	Taylor	Bedford	Bedford Area Economic Development	Busines and Industry	BCOM
	Taylor	Lenox	Lenox Economic Development Corporation	Busines and Industry	BCOM
	Taylor	Bedford	Bedford Community	Families - Horizons	FAC OCOM
	Taylor	Bedford	Bedford Community School Clearfield School District	Youth Youth	OCOM
	Taylor Taylor	Clearfield Lenox	Lenox Community School	Youth	OCOM
	Taylor	New Market	New Market School District	Youth	OCOM
		Bedford	Taylor County Public Health	Families	OCOM
	Taylor Taylor	Bedford	Taylor County Public Health Taylor County Child Care Providers	Families	OCOM
	Taylor	Bedford	Tinker Tots Preschool	Families	OCOM
	Taylor	Lenox	Precious People Preschool	Families	OCOM
	Taylor	all communities	Volunteer Income Tax Assistance	ISU Extension	OCOM
	Taylor		Bedford Area Economic Development; Lenox	Extension CED	BCOM
	. = , . = .		Economic Dev; Clearfield Economic Development		
		<u> </u>	,		<u>                                     </u>
	Taylor		Great Western Bank - Bedford	Extension CED	FAC/ BCOM
	Taylor		Lenox Development Corporation	Extension CED	FAC/ BCOM
	Taylor		Multi-State Regional Development	Extension CED	FAC
	Taylor		Regional Marketing	Extension CED	BCOM
	Taylor		Renew Rural Iowa	Extension CED	FAC
	Taylor		Rural Development Resource Center	Extension CED	FAC
	Taylor		Rural Development Summit	Extension CED	FAC
	Taylor	4	Union Bank - Lenox, Corning	Extension CED	FAC/ BCOM
Taylor County	Union 3	Creston	Adams Co. Steer Carcass Futurity	External Relations	FAC ;
	Union	Creston	Southern Iowa Council of Governments	College of Engineering	BCOM
	Union	Creston	Union County Development Corporation	College of Engineering	BCOM
		Creston	Wellman Dynamics	College of Engineering	TAC
	IUnion				
	Union	Creston		IPRT Company Assistance-	
	Union	Creston	Bunn-O-Matic Corporation	IPRT Company Assistance- NDE	TAC
			Bunn-O-Matic Corporation		TAC
			Bunn-O-Matic Corporation  Distance Education Students = 1	NDE	TAC PWD
	Union	Creston	,	NDE Brenton Ctr for Ag	
	Union	Creston	,	NDE Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction	
	Union Union Union	Creston Afton Kent	Distance Education Students = 1  Distance Education Students = 1	NDE Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag	PWD PWD
	Union	Creston Afton	Distance Education Students = 1	NDE Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction	PWD
	Union Union Union Union	Creston Afton Kent Lorimor	Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1	NDE Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Agricultural Education and	PWD PWD PWD
	Union Union Union Union Union	Creston Afton Kent Lorimor Creston	Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Creston Radio	NDE Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Agricultural Education and Studies	PWD PWD FAC
	Union Union Union Union Union Union Union	Creston Afton Kent Lorimor Creston Creston	Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Creston Radio Ron Dunphy	NDE Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Agricultural Education and Studies ISURF	PWD PWD FAC TT
	Union Union Union Union Union Union Union Union Union	Creston Afton Kent Lorimor Creston Creston Creston	Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Creston Radio  Ron Dunphy  Nex-Gen Biofuels, Inc.	NDE Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Agricultural Education and Studies ISURF Extension CED	PWD PWD FAC TT BAC
	Union Union Union Union Union Union Union Union Union Union Union Union	Creston Afton Kent Lorimor Creston Creston	Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Creston Radio Ron Dunphy Nex-Gen Biofuels, Inc. Southern Iowa Council of Governments	NDE Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Agricultural Education and Studies ISURF Extension CED Extension CED	PWD PWD FAC TT BAC PWD
	Union Union Union Union Union Union Union Union Union Union Union Union Union	Creston Afton Kent Lorimor Creston Creston Creston	Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Creston Radio Ron Dunphy Nex-Gen Biofuels, Inc. Southern Iowa Council of Governments Creston Publishing	NDE Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Agricultural Education and Studies ISURF Extension CED Extension CED Extension CED	PWD PWD FAC TT BAC PWD FAC/BCOM
	Union Union Union Union Union Union Union Union Union Union Union Union Union Union Union	Creston Afton Kent Lorimor Creston Creston Creston	Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Creston Radio Ron Dunphy Nex-Gen Biofuels, Inc. Southern Iowa Council of Governments Creston Publishing Kenyon & Nielsen, P.C.	NDE Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruct	PWD PWD FAC TT BAC PWD FAC/BCOM FAC/BCOM
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	Union Union Union Union Union Union Union Union Union Union Union Union Union Union Union Union Union Union	Creston Afton Kent Lorimor Creston Creston Creston	Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Creston Radio  Ron Dunphy  Nex-Gen Biofuels, Inc.  Southern Iowa Council of Governments  Creston Publishing  Kenyon & Nielsen, P.C.  Rural Development Resource Center  Rural Development Summit	NDE Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Agricultural Education and Studies ISURF Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED Extension CED	PWD PWD FAC TT BAC PWD FAC/BCOM FAC/BCOM FAC/BCOM FAC
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	Union Union	Creston  Afton  Kent  Lorimor  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston	Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Creston Radio  Ron Dunphy  Nex-Gen Biofuels, Inc.  Southern Iowa Council of Governments  Creston Publishing  Kenyon & Nielsen, P.C.  Rural Development Resource Center  Rural Development Summit  Union County  Creston Community Schools (wrote grant for funding totaling \$173,000 for Environmental and Spatial Technology Initiative)  McKinley Lake and Park Watershed  Divided We Fail issues forum  Iowa Tool and Mfg, Inc.  Union County Development Association  Great Western Bank - Creston  Multi-State Regional Development  Renew Rural Iowa  Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition  Southwestern Community College  Union County Auditors  Union ISU Extension County Office Marketing	NDE Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Agricultural Education and Studies ISURF Extension CED CD-DIAL - Sociology	PWD PWD PWD FAC TT BAC TT BAC PWD FAC/BCOM FAC/BCOM FAC FAC BAC BCOM FAC BAC BAC BCOM FAC BAC BAC BAC BCOM FAC FAC FAC FAC FAC FAC FAC FAC FAC FAC
Jnion County	Union Union	Creston  Afton  Kent  Lorimor  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston	Distance Education Students = 1  Distance Education Students = 1  Creston Radio Ron Dunphy Nex-Gen Biofuels, Inc. Southern Iowa Council of Governments Creston Publishing Kenyon & Nielsen, P.C. Rural Development Resource Center Rural Development Summit Union County Creston Community Schools (wrote grant for funding totaling \$173,000 for Environmental and Spatial Technology Initiative) McKinley Lake and Park Watershed Divided We Fail issues forum Iowa Tool and Mfg, Inc. Union County Development Association Great Western Bank - Creston Multi-State Regional Development Renew Rural Dowa Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition	NDE Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Agricultural Education and Studies ISURF Extension CED	PWD PWD PWD FAC TT BAC TT BAC PWD FAC/BCOM FAC/BCOM FAC FAC BAC BCOM FAC FAC/BCOM FAC BCOM FAC FAC/BCOM BAC
Jnion County	Union Union	Creston  Afton  Kent  Lorimor  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Teston  Creston  Creston  Creston	Distance Education Students = 1  Distance Education Students = 1  Distance Education Students = 1  Creston Radio  Ron Dunphy  Nex-Gen Biofuels, Inc. Southern Iowa Council of Governments  Creston Publishing  Kenyon & Nielsen, P.C.  Rural Development Resource Center  Rural Development Summit  Union County  Creston Community Schools (wrote grant for funding totaling \$173,000 for Environmental and Spatial Technology Initiative)  McKinley Lake and Park Watershed  Divided We Fail issues forum  Iowa Tool and Mfg, Inc.  Union County Development Association  Great Western Bank - Creston  Multi-State Regional Development  Renew Rural Iowa  Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition  Southwestern Community College  Union County Auditors  Union County Board of Supervisors	NDE Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Agricultural Education and Studies ISURF Extension CED Brenton Ctr for Ag	PWD PWD PWD FAC TT BAC TT BAC FAC/BCOM FAC/BCOM FAC FAC BAC FAC BAC FAC BAC BCOM FAC BCOM FAC BCOM FAC BCOM FAC BCOM FAC FAC FAC FAC FAC FAC FAC FAC FAC FAC
Jnion County	Union Union	Creston  Afton  Kent  Lorimor  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston  Creston	Distance Education Students = 1  Distance Education Students = 1  Creston Radio Ron Dunphy Nex-Gen Biofuels, Inc. Southern Iowa Council of Governments Creston Publishing Kenyon & Nielsen, P.C. Rural Development Resource Center Rural Development Summit Union County Creston Community Schools (wrote grant for funding totaling \$173,000 for Environmental and Spatial Technology Initiative) McKinley Lake and Park Watershed Divided We Fail issues forum Iowa Tool and Mfg, Inc. Union County Development Association Great Western Bank - Creston Multi-State Regional Development Renew Rural Dowa Rural Development Resource Center: Grow Iowa Fund; Wallace Fund; Southwest Iowa Coalition	NDE Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Brenton Ctr for Ag Instruction Agricultural Education and Studies ISURF Extension CED	PWD PWD PWD FAC TT BAC TT BAC PWD FAC/BCOM FAC/BCOM FAC FAC BAC BCOM FAC BAC BAC BCOM FAC BAC FAC FAC FAC FAC FAC FAC FAC FAC FAC F

	Van Duran		Van Buran County tourism	Estancian CED	FAC
	Van Buren	Vasasusus	Van Buren County tourism	Extension CED	FAC
	Van Buren	Keosauqua	Johnston Catering Barker Limited, INC	Van Buren Co. Extension Van Buren Co. Extension	BAC
	Van Buren	Keosauqua			BAC
	Van Buren	Milton	Milton Creamery	Van Buren Co. Extension	
	Van Buren	Keosauqua	Kaiser Wines	Van Buren Co. Extension	BAC
	Van Buren	Stockport	Philips Child Care Barker Wire	Van Buren Co. Extension Van Buren Co. Extension	FAC
	Van Buren	Keosauqua			OCOM
	Van Buren	Keosauqua	Healthcare professionals	Van Buren Co. Extension Van Buren Co. Extension	OCOM
	Van Buren	Keosauqua	Van Buren Hospital		OCOM
	Van Duran	Vaaaauuu.a	Which aring Dines Winer.	Midwest Grape & Wine	DAC
	Van Buren	Keosauqua	Whispering Pines Winery	Industry Institute	BAC
				Midwest Grape & Wine	
	Van Buren	Keosauqua	Scenic Rivers Grape & Wine Assn	Industry Institute	FAC
	Van Buren	Keosauqua	Van Buren Co. Hwy Dept.	CTRE/CP Tech	PWD
	Van Buren	Keosauqua	The Nest	ISU Extension	PWD
Van Buren County	15				1
	Wapello	Ottumwa	Crisis Center & Women's Shelter, Ottumwa	Johnson County Extension	PWD
			Southern Iowa Economic Development Association,		
	Wapello	Ottumwa	Ottumwa	Johnson County Extension	PWD
	Wapello	Ottumwa	Excel Corporation	Veterinary Extension	3, 8
	Wapello	Ottumwa	Area 15-Regional Planning Comm.	CRP	TCOM
	Wapello	Ottumwa	Frog Legs, Inc.	College of Engineering	FAC
	Wapello	Ottumwa	John Deere	College of Engineering	PWD
				Brenton Ctr for Ag	
	Wapello	Ottumwa	Distance Education Students = 6	Instruction	PWD
				Brenton Ctr for Ag	
	Wapello	Ottumwa	PSEOA Distance Education Students = 7	Instruction	PWD
	Wapello	Ottumwa	Area 15-Regional Planning Comm.	Extension CED, CRP	TCOM
				Extension	
	Wapello	Ottumwa	Chamber of Commerce	Extension CED	всом
	Wapello	Ottumwa	Citizenship Classes	Extension CED	OCOM
	Wapello	Ottumwa	Indian Hills Community College	Extension CED	OCOM
	Wapello	Ottumwa	Latino High School Students	Extension CED	FAC
			Main Street	Extension CED	OCOM
	Wapello	Ottumwa			BCOM
	Wapello	Ottumwa	Main Street Ottumwa	Extension CED	
	Wapello	Ottumwa	Ottumwa	Extension CED	OCOM/ TCOM
	Wapello	Ottumwa	Ottumwa Partners in Progress	Extension CED	FAC
	Wapello	Ottumwa	Ottumwa Substance Abuse Task F.	Extension CED	OCOM
	Wapello	Ottumwa	Translators and Interpreters	Extension CED	PWD
	Wapello	Ottumwa	United Way of Wapello County	Extension CED	PWD
	Wapello	Ottumwa	Upper Bound Students	Extension CED	OCOM
	Wapello		Wapello County tourism	Extension CED	FAC
	Wapello	Ottumwa	Latino High School Students	Wapello County	FAC
	Wapello	Ottumwa	Citizenship Classes	Wapello County	OCOM
	Wapello	Ottumwa	Main Street	Wapello County	OCOM
	Wapello	Ottumwa	Indian Hills Community College	Wapello County	OCOM
	Wapello	Ottumwa	Ottumwa Substance Abuse Task F.	Wapello County	OCOM
	Wapello	Ottumwa	Upper Bound Students	Wapello County	OCOM
	Wapello	Ottumwa	Translators and Interpretors	Wapello County	PWD
				ISU Extensionlowa Beef	
	Wapello	Ottumwa	John Deere Ottumwa Works	Center	FAC
				ISU Extensionlowa Beef	
	Wapello	Ottumwa	John Deere Ottumwa Works	Center	TT
	Wapello	Ottumwa	Applebee's	ISU Extension	PWD
	Wapello	Ottumwa	REL LLC	ISU Extension	PWD
	Wapello	Ottumwa	Al-Jon Inc	ISUE-CIRAS	TAC
		Ottumwa	Ottumwa Machine Works. Inc.	ISUE-CIRAS	BAC
	Wapello Wapello	Citalliwa	Event in Wapello County	ISUE-CIRAS	TAC
	Wapello	Eddyville	Ajinomoto Food Ingredients LLC	ISUE-CIRAS	TAC
	Wapello	Chillicothe	Wapello Co.	CTRE/CP Tech	PWD
	Wapello	Ottumwa	City of Oskaloosa	CTRE/CP Tech	PWD
		Ottumwa			
	Wapello		City of Ottumwa	CTRE/CP Tech	PWD
	Wapello	Ottumwa	Davis Co.	CTRE/CP Tech	PWD
	Wapello	Ottumwa	Ready Mix Concrete Co.	CTRE/CP Tech	PWD
	Wapello		United Way of Wapello County	CD-DIAL - Sociology	ОСОМ
			W # 0 + 4 F	Extension	00011
	Wapello		Wapello County Auditors	Extension CED	ОСОМ
Wapello County	44		SHO!	0 " 1= :	4
	Warren	Norwalk	EMC Insurance Companies	College of Engineering	PWD
	Warren	Indianola	CAI Students	Crop Advisor Institute	PWD
				Brenton Ctr for Ag	
	Warren	Indianola	Distance Education Students = 1	Instruction	PWD
				Brenton Ctr for Ag	
	Warren	Milo	Distance Education Students = 1	Instruction	PWD
				Brenton Ctr for Ag	
	Warren	New Virginia	Distance Education Students = 1	Instruction	PWD
				Brenton Ctr for Ag	
	Warren	Norwalk	Distance Education Students = 1	Instruction	PWD
				Brenton Ctr for Ag	
	Warren	Prole	Distance Education Students = 1	Instruction	PWD
	Warren	Milo	Milo Locker	Meat Science Extension	PWD
					PWD
	Warren	Cumming		EXTENSION CELL	
	Warren	Cumming	unknown	Extension CED Midwest Grape & Wine	FVVD

				Midwest Grape & Wine	E40 B40
	Warren Warren	Indianola	Indianola Chamber of Commerce  No Contacts that count by County Director	Industry Institute	FAC, BAC
	Warren	Carlisle	Welch Products Inc	ISUE-CIRAS	TAC
	Warren	Indianola	Cemen Tech Inc	ISUE-CIRAS	TAC
	Warren	Indianola	Cemen Tech Inc	ISUE-CIRAS	TAC
	Warren	Indianola	IPC	CTRE/CP Tech	PWD
	Warren	Indianola	Sternquist Construction, Inc.	CTRE/CP Tech	PWD
	Warren	Indianola	Warren Co.	CTRE/CP Tech	PWD
				Agricultural Education and	
	Warren	Indianola	Iowa Association for Agriculture Education	Studies	ОСОМ
Warren County	19		,		1
•	Washington	Mills	Planning & Zoning Commission	CRP	TCOM
	Washington	Mills	Planning & Zoning Commission	Extension CED, CRP	TCOM
				Extension	
	Washington	Washington	Washington County Extension, Washington	Johnson County Extension	PWD
	Washington	Washington	Planning & Zoning Chair	CRP	TCOM
	Washington	Washington	Washington	Landscape Architecture,	BCOM/ PWD
	144 11 4	10/ 1: /		IDRO	20011
	Washington	Washington	High School	CRP	BCOM
	Washington	Wellman	Wellman	Landscape Architecture,	BCOM
	Machineton	Wellman	High Cahaal	IDRO CRP	ВСОМ
	Washington Washington	Kalona	High School CIVCO Medical Solutions	College of Engineering	TAC
	Washington	Washington	POHAKU	College of Engineering	FAC
	vvasnington	vvasnington	TOTAKO	IPRT Company Assistance-	170
				Technology	
	Washington	Washington	Hays Water Science	Commercialization	TT
	Washington	Washington	Boyd's Sausage Company	Meat Science Extension	PWD
	3	J		Brenton Ctr for Ag	
	Washington	Ainsworth	Distance Education Students = 1	Instruction	PWD
	Ĭ.			Brenton Ctr for Ag	
	Washington	Riverside	Distance Education Students = 2	Instruction	PWD
				Agricultural Education and	
	Washington	Wellman	Mid Prairie Community School	Studies	FAC
	Washington	Washington	Compassion Iowa - Nonprofit Management Academy	Extension CED	PWD
	Washington	Washington	High School	Extension CED, CRP	BCOM
				Extension	
	Washington	Washington	Planning & Zoning Chair	Extension CED, CRP	TCOM
				Extension	
	Washington	Washington	Washington	Landscape Architecture,	BCOM/ PWD
	144 11 4	10/ 1: /	W 1: 4 0 4 4 5	IDRO	20011
	Washington	Washington Wellman	Washington County tourism	Extension CED Extension CED, CRP	BCOM BCOM
	Washington	vveiiman	High School		BCOIVI
	Washington	Wellman	Wellman	Extension  Landscape Architecture,	ВСОМ
	wasiiiigtoii	vveiiiiaii	VVeiiiilaii	IDRO	DCOIVI
	Washington		Washington County	Extension CED	ОСОМ
	Washington		Move The Mountain Leadership Center	Johnson County Extension	PWD
	Washington		Marriage Matters	Johnson County Extension	PWD
				,	
	Washington		Iowa Center for Faith Based Community Initiatives	Johnson County Extension	PWD
	Washington	Washington	Hospice of Washington County, Washington	Johnson County Extension	PWD
	Washington	Washington	Buffalo Wild Wings	ISU Extension	PWD
	Washington	Washington	City of Washington	CTRE/CP Tech	PWD
	Washington	Washington	Washington Co.	CTRE/CP Tech	PWD
	Washington		County Local Housing Trust Fund	Extension CED	TCOM
Washington County	31				3
	Wayne	Corydon	Shivvers Incorporated	OIPTT	FAC
	Wayne	Corydon	Shivvers Inc.	ABE	TAC
	144				
	Wayne	Corydon	Wayne Comm School	McNay Research Farm, ISU	OCOM
	Wayne	Allerton	Allerton - Horizons Project	Families	OCOM
	Wayne	Corydon Humeston	Corydon - Horizons Project	Families Families	OCOM OCOM
	Wayne		Humeston - Horizons Project		
	Wayne Wayne	Seymour Allerton	Seymour - Horizons Project Allerton - Horizons Project	Families ISU Extension	OCOM OCOM
	Wayne	Corydon	Corydon - Horizons Project	ISU Extension	OCOM
	Wayne	Seymour	Seymour - Horizons Project	ISU Extension	OCOM
	Wayne	Humeston	Humeston - Horizons Project	ISU Extension	OCOM
	Wayne	Chariton	Wayne Co.	CTRE/CP Tech	PWD
	Wayne		Wayne County Auditors	Extension CED	ОСОМ
Wayne County	13		- ,		1
	Webster	Fort Dodge	YOUR Inc Head Start	ISU Extension	PWD
	Webster	Ft.Dodge	Fort Dodge Animal Health	College of Engineering	PWD
		, ,	-	IPRT Company Assistance-	
	Webster	Fort Dodge	Josephson Manufacturing Company	Materials	TAC
	Webster	Fort Dodge	C&S Products Co. Inc.	Animal Science-Bregendahl	TAC
				Brenton Ctr for Ag	-
	Webster	Harcourt	Distance Education Students = 1	Instruction	PWD
	Webster Webster	Harcourt Vincent	Distance Education Students = 1  Distance Education Students = 2	Instruction Brenton Ctr for Ag Instruction	PWD

	1	T	1		
	Mahatar	Fast Dadas	Distance Education Students C	Brenton Ctr for Ag	PWD
	Webster Webster	Fort Dodge Fort Dodge	Distance Education Students = 6  lowa Producers - Cooperative Formation	Instruction Economics & CCUR	BAC
	Webster	Fort Dodge	Lopez Foods, Inc.	Meat Science Extension	PWD
	Webster	r on Boage	Eopoz i odao, mo.	Ag and Biosystems	1 445
	Webster	Fort Dodge	Tate & Lyle	Engineering & CCUR	FAC
	Webster	Fort Dodge	VeraSun	CCUR	FAC
	Webster	Fort Dodge	Iowa Producers - Cooperative Formation	Economics & CCUR	BAC
		-	·	Ag and Biosystems	
	Webster	Fort Dodge	Tate & Lyle	Engineering & CCUR	FAC
	Webster	Fort Dodge	VeraSun	CCUR	FAC
	Webster	Fort Dodge	Ft. Dodge Historical Foundation	Extension CED	OCOM
	Webster	Fort Dodge	Schmeltzer Foundation	Extension CED	OCOM
	Webster		Webster County Auditors	Extension CED	OCOM
	Webster	Region	Mid-Iowa Economic Development	Greene County Extension	FAC
	Webster		Tate & Lyle	Webster Co. Extension - CEED	BAC
	Webster		Verasun	Webster Co. Extension - CEED	BAC
	Webster		NEW Coop	Webster Co. Extension - CEED	TAC
	Webster	Fort Dodge	Community Health Clinic	Webster Co. Extension - CEED	ОСОМ
		,		Webster Co. Extension -	
	Webster	Fort Dodge	Friendship Haven	CEED Webster Co. Extension -	ОСОМ
	Webster		Community Foundation	CEED Webster Co. Extension -	ОСОМ
	Webster	Fort Dodge	Ag Committee - Chamber	CEED	FAC
	Webster		Mid Iowa Growth Partners - 9 Co. Region	Webster Co. Extension - CEED	всом
	Webster		ICCC	Webster Co. Extension - CEED	ОСОМ
	Webster	Fort Dodge	Butler School	Webster Co. Extension - CEED	ОСОМ
	Webster		Rabiner Boys Ranch	Webster Co. Extension - CEED	ОСОМ
	Webster		Prairie Valley Schools	Webster Co. Extension - CEED	ОСОМ
				Webster Co. Extension -	
	Webster		Smeltzer Trust - Conservation	CEED	FAC
	Webster	Fort Dodge	low income population -via United Way	ISU Extension	ОСОМ
		E . D .	DDOODED O. I. I. W. I. W. I. T I. I.	10115	DIAID
	Webster	Fort Dodge	PROSPER-Schools, Wal-Mart, Target, businesses Child Care Providers	ISU Extension	PWD PWD
	Webster Webster	Fort Dodge area Fort Dodge	Fort Dodge Correctional Facility	ISU Extension	PWD
	Webster	Fort Dodge	Community Family Resources	ISU Extension	PWD
	Webster	Fort Dodge area	ServeSafe Food Safety Course	ISU Extension	PWD
	Webster	Fort Dodge	Land O Lakes; Smithway Trucking	ISU Extension	PWD
	Webster	Fort Dodge	Lighten Up Iowa; Hy-Vee, Hospital, NEW Coop	ISU Extension	PWD
	Webster	Fort Dodge	Home Care Aides; Head Start Staff	ISU Extension	PWD
	Webster	Fort Dodge area	Area Agency on Aging-Meal Site workers	ISU Extension	PWD
	Webster	Fort Dodge	C and S Products Co	ISUE-CIRAS	
	Webster	r on boage	Event in Webster County	ISUE-CIRAS	IIA(:
					TAC
		Fort Dodge			PWD
	Webster Webster	Fort Dodge	Misty Harbor	ISUE-CIRAS	PWD BAC
	Webster	Fort Dodge	Misty Harbor Misty Harbor		PWD
		Fort Dodge Fort Dodge	Misty Harbor Misty Harbor Arnold Consulting	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	PWD BAC BAC BAC
	Webster Webster	Fort Dodge	Misty Harbor Misty Harbor	ISUE-CIRAS ISUE-CIRAS	PWD BAC BAC
	Webster Webster Webster	Fort Dodge Fort Dodge Fort Dodge	Misty Harbor Misty Harbor Arnold Consulting Josephson Manufacturing Co	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	PWD BAC BAC BAC BAC
	Webster Webster Webster Webster	Fort Dodge Fort Dodge Fort Dodge Fort Dodge	Misty Harbor Misty Harbor Arnold Consulting Josephson Manufacturing Co Fort Dodge Animal Health	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS	PWD BAC BAC BAC TAC TAC
	Webster Webster Webster Webster Webster Webster Webster Webster	Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge	Misty Harbor Misty Harbor Arnold Consulting Josephson Manufacturing Co Fort Dodge Animal Health TGC Machine, Inc. Josephson Manufacturing Co Fort Dodge	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech	PWD BAC BAC BAC TAC TAC TAC PWD
	Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster	Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge	Misty Harbor Misty Harbor Arnold Consulting Josephson Manufacturing Co Fort Dodge Animal Health TGC Machine, Inc. Josephson Manufacturing Co Fort Dodge MER Engineering	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech CTRE/CP Tech	PWD BAC BAC BAC BAC TAC TAC TAC TAC PWD PWD
	Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster	Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge	Misty Harbor Misty Harbor Arnold Consulting Josephson Manufacturing Co Fort Dodge Animal Health TGC Machine, Inc. Josephson Manufacturing Co Fort Dodge MER Engineering Iowa Producers - Cooperative Formation	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech Economics & CCUR	PWD BAC BAC BAC BAC TAC TAC TAC TAC PWD PWD BAC
	Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster	Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge	Misty Harbor Misty Harbor Arnold Consulting Josephson Manufacturing Co Fort Dodge Animal Health TGC Machine, Inc. Josephson Manufacturing Co Fort Dodge MER Engineering Iowa Producers - Cooperative Formation Tate & Lyle	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech CTRE/CP Tech Economics & CCUR Ag and Biosystems Engineer	PWD BAC BAC BAC TAC TAC TAC TAC PWD PWD BAC FAC
	Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster	Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge	Misty Harbor Misty Harbor Arnold Consulting Josephson Manufacturing Co Fort Dodge Animal Health TGC Machine, Inc. Josephson Manufacturing Co Fort Dodge MER Engineering Iowa Producers - Cooperative Formation Tate & Lyle VeraSun	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech CTRE/CP Tech Economics & CCUR Ag and Biosystems Engineer CCUR	PWD BAC BAC BAC TAC TAC TAC PWD PWD BAC FAC FAC
	Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster	Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge	Misty Harbor Misty Harbor Arnold Consulting Josephson Manufacturing Co Fort Dodge Animal Health TGC Machine, Inc. Josephson Manufacturing Co Fort Dodge MER Engineering Iowa Producers - Cooperative Formation Tate & Lyle VeraSun Fort Dodge	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech CTRE/CP Tech Economics & CCUR Ag and Biosystems Engineer CCUR Extension CED	PWD BAC BAC BAC BAC TAC TAC TAC TAC PWD PWD BAC FAC FAC TCOM
	Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster	Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge	Misty Harbor Misty Harbor Arnold Consulting Josephson Manufacturing Co Fort Dodge Animal Health TGC Machine, Inc. Josephson Manufacturing Co Fort Dodge MER Engineering Iowa Producers - Cooperative Formation Tate & Lyle VeraSun Fort Dodge Webster County	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech Economics & CCUR Ag and Biosystems Engineer CCUR Extension CED Extension CED Webster Co. Extension -	PWD BAC BAC BAC TAC TAC TAC TAC TAC TAC FAC FAC FAC TCOM PWD
Webster County	Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster Webster	Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge	Misty Harbor Misty Harbor Arnold Consulting Josephson Manufacturing Co Fort Dodge Animal Health TGC Machine, Inc. Josephson Manufacturing Co Fort Dodge MER Engineering Iowa Producers - Cooperative Formation Tate & Lyle VeraSun Fort Dodge	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech CTRE/CP Tech Economics & CCUR Ag and Biosystems Engineer CCUR Extension CED Extension CED	PWD BAC BAC BAC BAC TAC TAC TAC PWD PWD BAC FAC FAC TCOM PWD BAC
Webster County	Webster Webster	Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge Fort Dodge	Misty Harbor Misty Harbor Arnold Consulting Josephson Manufacturing Co Fort Dodge Animal Health TGC Machine, Inc. Josephson Manufacturing Co Fort Dodge MER Engineering Iowa Producers - Cooperative Formation Tate & Lyle VeraSun Fort Dodge Webster County	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech Economics & CCUR Ag and Biosystems Engineer CCUR Extension CED Extension CED Webster Co. Extension -	PWD BAC BAC BAC TAC TAC TAC TAC TAC TAC FAC FAC FAC TCOM PWD
Webster County	Webster Webster	Fort Dodge Fort Dodge	Misty Harbor Misty Harbor Misty Harbor Arnold Consulting Josephson Manufacturing Co Fort Dodge Animal Health TGC Machine, Inc. Josephson Manufacturing Co Fort Dodge MER Engineering Iowa Producers - Cooperative Formation Tate & Lyle VeraSun Fort Dodge Webster County Brokaw Equip / Owner Sucession	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech Economics & CCUR Ag and Biosystems Engineer CCUR Extension CED Extension CED Landscape Architecture, IDRO Brenton Ctr for Ag	PWD BAC BAC BAC BAC TAC TAC TAC PWD PWD BAC FAC TCOM PWD BAC FAC TCOM PWD BAC FAC TCOM PWD BAC FAC TCOM FWD BAC FAC TCOM FWD BAC FAC TCOM FWD
Webster County	Webster Webster	Fort Dodge Fort Dodge	Misty Harbor Misty Harbor Misty Harbor Arnold Consulting Josephson Manufacturing Co Fort Dodge Animal Health TGC Machine, Inc. Josephson Manufacturing Co Fort Dodge MER Engineering Iowa Producers - Cooperative Formation Tate & Lyle VeraSun Fort Dodge Webster County  Brokaw Equip / Owner Sucession  Forest City  Distance Education Students = 1	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech Economics & CCUR Ag and Biosystems Engineer CCUR Extension CED Extension CED Webster Co. Extension - CEED  Landscape Architecture, IDRO	PWD BAC BAC BAC BAC TAC TAC TAC TAC PWD PWD BAC FAC TCOM PWD BAC TCOM PWD BAC TCOM PWD BAC TCOM PWD BAC TCOM PWD BAC TCOM PWD BAC
Webster County	Webster Webster	Fort Dodge Fort Dodge	Misty Harbor Misty Harbor Misty Harbor Arnold Consulting Josephson Manufacturing Co Fort Dodge Animal Health TGC Machine, Inc. Josephson Manufacturing Co Fort Dodge MER Engineering Iowa Producers - Cooperative Formation Tate & Lyle VeraSun Fort Dodge Webster County Brokaw Equip / Owner Sucession	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech Economics & CCUR Ag and Biosystems Engineer CCUR Extension CED Extension CED Webster Co. Extension - CEED  Landscape Architecture, IDRO Brenton Ctr for Ag Instruction ISURF Landscape Architecture,	PWD BAC BAC BAC BAC TAC TAC TAC TAC PWD PWD BAC FAC TCOM PWD BAC TCOM PWD BAC TCOM PWD BAC TCOM PWD BAC BAC TCOM PWD BAC TCOM PWD BAC BAC TCOM PWD
Webster County	Webster Webster	Fort Dodge Fort City	Misty Harbor Misty Harbor Misty Harbor Arbor Misty Harbor Arbor SUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech Economics & CCUR Ag and Biosystems Engineer CCUR Extension CED Extension CED Webster Co. Extension - CEED Landscape Architecture, IDRO Brenton Ctr for Ag Instruction ISURF Landscape Architecture, IDRO	PWD BAC BAC BAC BAC TAC TAC TAC TAC PWD PWD BAC FAC TCOM PWD BAC FAC TCOM PWD BAC BCOM	
Webster County	Webster Webster	Fort Dodge Fort City  Buffalo Center	Misty Harbor Misty Harbor Arnold Consulting Josephson Manufacturing Co Fort Dodge Animal Health TGC Machine, Inc. Josephson Manufacturing Co Fort Dodge MER Engineering Iowa Producers - Cooperative Formation Tate & Lyle VeraSun Fort Dodge Webster County Brokaw Equip / Owner Sucession  Forest City  Distance Education Students = 1 Thompson Seed Forest City  North Iowa Community School	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech CTRE/CP Tech Economics & CCUR Ag and Biosystems Engineer CCUR Extension CED Webster Co. Extension - CEED  Landscape Architecture, IDRO Instruction ISURF Landscape Architecture, IDRO 4-H Youth Development	PWD BAC BAC BAC BAC TAC TAC TAC TAC PWD PWD BAC FAC TCOM PWD BAC TCOM PWD BAC TCOM PWD BAC TCOM PWD BAC TCOM PWD BAC TCOM PWD BAC TCOM PWD BAC TCOM PWD TT BCOM
Webster County	Webster Webster	Fort Dodge Fort City Leland Forest City Buffalo Center Forest City	Misty Harbor Misty Harbor Misty Harbor Arnold Consulting Josephson Manufacturing Co Fort Dodge Animal Health TGC Machine, Inc. Josephson Manufacturing Co Fort Dodge MER Engineering lowa Producers - Cooperative Formation Tate & Lyle VeraSun Fort Dodge Webster County  Brokaw Equip / Owner Sucession  Forest City  Distance Education Students = 1 Thompson Seed Forest City  North Iowa Community School Forest City Community Schools	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech Economics & CCUR Ag and Biosystems Engineer CCUR Extension CED Extension CED Webster Co. Extension - CEED  Landscape Architecture, IDRO Brenton Ctr for Ag Instruction ISURF Landscape Architecture, IDRO 4-H Youth Development 4-H Youth Development	PWD BAC BAC BAC TAC TAC TAC TAC TAC FAC FAC FAC FAC TCOM PWD BAC BAC FAC TCOM PWD BAC BAC BAC BAC BAC FAC FAC TCOM PWD BAC BAC BAC BAC BAC BAC BAC BAC BAC BAC
Webster County	Webster Webster	Fort Dodge Fort City  Buffalo Center	Misty Harbor Misty Harbor Arnold Consulting Josephson Manufacturing Co Fort Dodge Animal Health TGC Machine, Inc. Josephson Manufacturing Co Fort Dodge MER Engineering Iowa Producers - Cooperative Formation Tate & Lyle VeraSun Fort Dodge Webster County Brokaw Equip / Owner Sucession  Forest City  Distance Education Students = 1 Thompson Seed Forest City  North Iowa Community School	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech CTRE/CP Tech Economics & CCUR Ag and Biosystems Engineer CCUR Extension CED Webster Co. Extension - CEED  Landscape Architecture, IDRO Instruction ISURF Landscape Architecture, IDRO 4-H Youth Development	PWD BAC BAC BAC BAC TAC TAC TAC TAC PWD PWD BAC FAC TCOM PWD BAC TCOM PWD BAC TCOM PWD BAC TCOM PWD BAC TCOM PWD BAC TCOM PWD BAC TCOM PWD BAC TCOM PWD TT BCOM
Webster County	Webster Webster	Fort Dodge Fort City Leland Forest City Buffalo Center Forest City	Misty Harbor Misty Harbor Misty Harbor Arnold Consulting Josephson Manufacturing Co Fort Dodge Animal Health TGC Machine, Inc. Josephson Manufacturing Co Fort Dodge MER Engineering lowa Producers - Cooperative Formation Tate & Lyle VeraSun Fort Dodge Webster County  Brokaw Equip / Owner Sucession  Forest City  Distance Education Students = 1 Thompson Seed Forest City  North Iowa Community School Forest City Community Schools	ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS ISUE-CIRAS CTRE/CP Tech Economics & CCUR Ag and Biosystems Engineer CCUR Extension CED Extension CED Landscape Architecture, IDRO Brenton Ctr for Ag Instruction ISURF Landscape Architecture, IDRO 4-H Youth Development 4-H Youth Development	PWD BAC BAC BAC TAC TAC TAC TAC TAC FAC FAC FAC FAC TCOM PWD BAC BAC BAC FAC TCOM PWD BAC BAC BAC BAC BAC FAC FAC TCOM BAC BAC BAC BAC BAC BAC BAC BAC BAC BAC

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	Winnebago	Lake Mills	Dras Cases Inc	ISUE-CIRAS	TAC
	Winnebago	Forest City	Winnebago Industries Inc - Forest City	ISUE-CIRAS	TAC
	Winnebago	Forest City	Winnebago Industries Inc - Forest City	ISUE-CIRAS	TAC
	Winnebago	Forest City	Winnebago Industries Inc - Forest City	ISUE-CIRAS	TAC
	Winnebago	Forest City	Winnebago Industries Inc - Forest City	ISUE-CIRAS	TAC
	Winnebago	Forest City	Winnebago Industries Inc - Forest City	ISUE-CIRAS	TAC
	Winnebago	Forest City	Winnebago Industries Inc - Forest City	ISUE-CIRAS	TAC
	Winnebago	Forest City	Winnebago Industries Inc - Forest City	ISUE-CIRAS	TAC
	Winnebago	Forest City	Winnebago Industries Inc - Forest City	ISUE-CIRAS	TAC
-	Winnebago	Forest City	Winnebago Industries Inc - Forest City	ISUE-CIRAS	TAC
	Winnebago	Forest City	Winnebago Industries Inc - Forest City	ISUE-CIRAS	TAC
	Winnebago	Forest City	Winnebago Industries Inc - Forest City	ISUE-CIRAS	TAC
	Winnebago	Forest City	Winnebago Industries Inc - Forest City	ISUE-CIRAS	TAC
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	Winnebago	Forest City	Winnebago Industries Inc - Forest City	ISUE-CIRAS	TAC
	Winnebago	Forest City	Winnebago Industries Inc - Forest City	ISUE-CIRAS	TAC
	Winnebago	Forest City	Winnebago Industries Inc - Forest City	ISUE-CIRAS	TAC
	Winnebago	Forest City	Winnebago Industries Inc - Forest City	ISUE-CIRAS	TAC
	Winnebago	Forest City	Winnebago Industries Inc - Forest City	ISUE-CIRAS	TAC
	-				
	Winnebago	Forest City	Winnebago Industries Inc - Forest City	ISUE-CIRAS	TAC
	Winnebago	Forest City	City of Forest City	CTRE/CP Tech	PWD
	Winnebago	Lake Mills	City of Lake Mills	CTRE/CP Tech	PWD
Winnebago County	31				31
	Winneshiek	Decorah	Decorah	Landscape Architecture,	BCOM/ OCOM
				IDRO	
	Winneshiek	Upper Explorerland	Building & Zoning	CRP	ТСОМ
1	Winneshiek	Decorah	Benham	College of Engineering	PWD
-					
1	Winneshiek	Decorah	Platinum Equity	College of Engineering	PWD
]				IPRT Company Assistance-	
	Winneshiek	Decorah	Deco Products Company	Materials	TAC
	Winneshiek	Fort Atkinson	CAI Students	Crop Advisor Institute	PWD
	Winneshiek	Decorah	Distance education student - BRT 501	OBP/ABE (Raman)	PWD
				Brenton Ctr for Ag	
	Winneshiek	Castalia	Distance Education Students = 5	Instruction	PWD
	Winneshiek	Fort Atkinson	Kruse Hatchery	Meat Science Extension	PWD
	Winneshiek				PWD
	Williesniek	Decorah	Lynch BBQ Company	Meat Science Extension	FWD
				Brenton Ctr for Ag	
	Winneshiek	Calmar	PSEOA Distance Education Students = 2	Instruction	PWD
	Winneshiek	Calmar	Spillville Locker	Meat Science Extension	PWD
	Winneshiek	Spillville	Spillville Lockers Inc.	Meat Science Extension	PWD
	Winneshiek	Decorah	Wapsie Produce, Inc.	Meat Science Extension	PWD
				Agricultural Education and	
	Winneshiek	Calmar	Northeast Iowa Community College	Studies	ОСОМ
	VIIIICOIIICK	Julinai	Thermieus is the community conlege	Agricultural Education and	000
	Minnaghials	Dagarah	Decorah Community School	Studies	FAC
	Winneshiek	Decorah	·		
	Winneshiek	Burr Oak	Laura Ingalls Wilder Museum	Extension CED	FAC
	Winneshiek	Calmar	NE Iowa Community Development Conference	Extension CED	FAC
	Winneshiek	Castalia	Nex-Gen Biofuels, Inc.	Extension CED	BAC
	Winneshiek	Decorah	Decorah	Landscape Architecture,	BCOM/ OCOM
				IDRO	
	Winneshiek	Decorah	East Side School Preservation Group	Extension CED	FAC
	Winneshiek	Decorah	NE Iowa Community Development Conference	Extension CED	FAC/ BCOM
	Winneshiek			Extension CED, CRP	TCOM
	AAIIIIGOIIIGK	Upper Explorerland	Building & Zoning		I COIVI
	140		0. 1 /5	Extension	DIAID
	Winneshiek		Chamber/Economic Dev/County Extension	Extension CED	PWD
	Winneshiek		County Local Housing Trust Fund	Extension CED	TCOM
<u> </u>	Winneshiek		NE Iowa Food & Farm Coalition	CD-DIAL - Sociology	BAC
İ				Extension	
-	Winneshiek		Silos & Smokestacks National Heritage Area	Extension CED	OCOM
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				vvinnesniek Countv	
	Winneshiek		Northeast Iowa Food & Farm Coalition	Winneshiek County Extension	всом
	Winneshiek		Northeast Iowa Food & Farm Coalition	Extension	ВСОМ
		Decorah		Extension Winneshiek County	
	Winneshiek Winneshiek	Decorah	Northeast Iowa Food & Farm Coalition Winneshiek County Board of Supervisors	Extension Winneshiek County Extension	BCOM BCOM
	Winneshiek		Winneshiek County Board of Supervisors	Extension  Winneshiek County Extension  Winneshiek County	всом
		Decorah Decorah		Extension  Winneshiek County Extension  Winneshiek County Extension	
	Winneshiek Winneshiek		Winneshiek County Board of Supervisors Winneshiek County Economic Dev. Board	Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County	BCOM BCOM
	Winneshiek		Winneshiek County Board of Supervisors	Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension	всом
	Winneshiek Winneshiek		Winneshiek County Board of Supervisors Winneshiek County Economic Dev. Board	Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County	BCOM BCOM
	Winneshiek Winneshiek		Winneshiek County Board of Supervisors Winneshiek County Economic Dev. Board	Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension	BCOM BCOM
	Winneshiek Winneshiek Winneshiek	Decorah	Winneshiek County Board of Supervisors Winneshiek County Economic Dev. Board Northeast Iowa Food & Fitness Initiative	Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension	BCOM BCOM
	Winneshiek Winneshiek Winneshiek Winneshiek	Decorah Decorah	Winneshiek County Board of Supervisors Winneshiek County Economic Dev. Board Northeast Iowa Food & Fitness Initiative Wapsi Produce	Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County	BCOM BCOM BCOM FAC
	Winneshiek Winneshiek Winneshiek	Decorah	Winneshiek County Board of Supervisors Winneshiek County Economic Dev. Board Northeast Iowa Food & Fitness Initiative	Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension	BCOM BCOM
	Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek	Decorah  Decorah	Winneshiek County Board of Supervisors Winneshiek County Economic Dev. Board Northeast Iowa Food & Fitness Initiative Wapsi Produce Lynch Livestock & Catering	Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Thoreson, Dale Fld Spec	BCOM BCOM FAC
	Winneshiek Winneshiek Winneshiek Winneshiek	Decorah Decorah	Winneshiek County Board of Supervisors Winneshiek County Economic Dev. Board Northeast Iowa Food & Fitness Initiative Wapsi Produce	Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Thoreson, Dale Fld Spec ANR	BCOM BCOM BCOM
	Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek	Decorah  Decorah  Calmar	Winneshiek County Board of Supervisors Winneshiek County Economic Dev. Board Northeast Iowa Food & Fitness Initiative Wapsi Produce Lynch Livestock & Catering Agricultural Dairy Builders	Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Thoreson, Dale Fld Spec ANR Thoreson, Dale Fld Spec	BCOM BCOM BCOM FAC TAC
	Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek	Decorah  Decorah	Winneshiek County Board of Supervisors Winneshiek County Economic Dev. Board Northeast Iowa Food & Fitness Initiative Wapsi Produce Lynch Livestock & Catering Agricultural Dairy Builders Economic Developers of IA and MN	Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Thoreson, Dale Fld Spec ANR Thoreson, Dale Fld Spec ANR	BCOM BCOM FAC FAC TAC BCOM
	Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek	Decorah  Decorah  Calmar	Winneshiek County Board of Supervisors Winneshiek County Economic Dev. Board Northeast Iowa Food & Fitness Initiative Wapsi Produce Lynch Livestock & Catering Agricultural Dairy Builders	Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Thoreson, Dale Fld Spec ANR Thoreson, Dale Fld Spec	BCOM BCOM BCOM FAC TAC
	Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek	Decorah  Decorah  Calmar  Decorah	Winneshiek County Board of Supervisors Winneshiek County Economic Dev. Board Northeast Iowa Food & Fitness Initiative Wapsi Produce Lynch Livestock & Catering Agricultural Dairy Builders Economic Developers of IA and MN	Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Thoreson, Dale Fld Spec ANR Thoreson, Dale Fld Spec ANR	BCOM BCOM FAC FAC TAC BCOM
	Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek	Decorah  Decorah  Calmar  Decorah  Calmar  Calmar  Calmar	Winneshiek County Board of Supervisors Winneshiek County Economic Dev. Board Northeast Iowa Food & Fitness Initiative Wapsi Produce Lynch Livestock & Catering Agricultural Dairy Builders Economic Developers of IA and MN dairy construction companies dairy farms	Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Thoreson, Dale Fld Spec ANR Thoreson, Dale Fld Spec ANR Dairy team Robert Tigner	BCOM BCOM FAC FAC TAC BCOM TAC TAC
	Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek	Decorah  Decorah  Calmar  Decorah  Calmar  Calmar  Calmar  Calmar	Winneshiek County Board of Supervisors Winneshiek County Economic Dev. Board Northeast Iowa Food & Fitness Initiative Wapsi Produce Lynch Livestock & Catering Agricultural Dairy Builders Economic Developers of IA and MN dairy construction companies dairy farms crop farms	Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Thoreson, Dale Fld Spec ANR Thoreson, Dale Fld Spec ANR Dairy team Robert Tigner Robert Tigner	BCOM BCOM FAC FAC TAC BCOM TAC TAC TAC BCOM TAC TAC BAC
	Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek	Decorah  Decorah  Calmar  Decorah  Calmar  Calmar  Calmar  Calmar  Decorah	Winneshiek County Board of Supervisors Winneshiek County Economic Dev. Board Northeast Iowa Food & Fitness Initiative Wapsi Produce Lynch Livestock & Catering Agricultural Dairy Builders Economic Developers of IA and MN dairy construction companies dairy farms crop farms Cutting Edge Enterprise LLC	Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Thoreson, Dale Fld Spec ANR Thoreson, Dale Fld Spec ANR Dainy team Robert Tigner Robert Tigner ISUE-CIRAS	BCOM BCOM FAC FAC TAC BCOM TAC TAC BAC BAC BAC
	Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek	Decorah  Decorah  Calmar  Decorah  Calmar  Calmar  Calmar  Calmar  Calmar  Decorah  Decorah  Decorah	Winneshiek County Board of Supervisors Winneshiek County Economic Dev. Board Northeast Iowa Food & Fitness Initiative Wapsi Produce Lynch Livestock & Catering Agricultural Dairy Builders Economic Developers of IA and MN dairy construction companies dairy farms crop farms Cutting Edge Enterprise LLC Erdman Engineering, P.C.	Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Thoreson, Dale Fld Spec ANR Thoreson, Dale Fld Spec ANR Dairy team Robert Tigner Robert Tigner ISUE-CIRAS CTRE/CP Tech	BCOM BCOM FAC FAC TAC BCOM TAC TAC BCOM TAC TAC BAC BAC PWD
	Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek	Decorah  Decorah  Calmar  Decorah  Calmar  Calmar  Calmar  Calmar  Decorah  Decorah  Decorah  Decorah	Winneshiek County Board of Supervisors Winneshiek County Economic Dev. Board Northeast Iowa Food & Fitness Initiative Wapsi Produce Lynch Livestock & Catering Agricultural Dairy Builders Economic Developers of IA and MN dairy construction companies dairy farms crop farms Cutting Edge Enterprise LLC Erdman Engineering, P.C. Holcim (US) Inc	Extension  Winneshiek County Extension  Winneshiek County Extension  Winneshiek County Extension  Winneshiek County Extension  Winneshiek County Extension  Winneshiek County Extension  Dingspiech County Extension  Winneshiek County  Winneshiek Coun	BCOM BCOM FAC FAC TAC BCOM TAC TAC BAC BAC BAC PWD
	Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek	Decorah  Decorah  Calmar  Decorah  Calmar  Calmar  Calmar  Calmar  Decorah  Decorah  Decorah  Decorah  Decorah  Decorah	Winneshiek County Board of Supervisors Winneshiek County Economic Dev. Board Northeast Iowa Food & Fitness Initiative Wapsi Produce Lynch Livestock & Catering Agricultural Dairy Builders Economic Developers of IA and MN dairy construction companies dairy farms crop farms Cutting Edge Enterprise LLC Erdman Engineering, P.C. Holcim (US) Inc Nelson Consulting	Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Thoreson, Dale Fld Spec ANR Thoreson, Dale Fld Spec ANR Thoreson, Dale Fld Spec ANR Thoreson, Dale Fld Spec ANR Thoreson, Dale Fld Spec ANR Thoreson, Dale Fld Spec CANR Thoreson, Dale Fld Spec CANR CANR CANR CANR CANR CANR CANR CANR	BCOM BCOM BCOM FAC FAC TAC BCOM TAC TAC TAC BAC BAC BAC BAC PWD PWD PWD
	Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek	Decorah  Decorah  Calmar  Decorah  Calmar  Calmar  Calmar  Calmar  Decorah  Decorah  Decorah  Decorah	Winneshiek County Board of Supervisors  Winneshiek County Economic Dev. Board  Northeast Iowa Food & Fitness Initiative  Wapsi Produce  Lynch Livestock & Catering  Agricultural Dairy Builders  Economic Developers of IA and MN dairy construction companies dairy farms crop farms  Cutting Edge Enterprise LLC Erdman Engineering, P.C. Holcim (US) Inc Nelson Consulting Winneshiek Co.	Extension  Winneshiek County Extension  Winneshiek County Extension  Winneshiek County Extension  Winneshiek County Extension  Winneshiek County Extension  Winneshiek County Extension  Dingspiech County Extension  Winneshiek County  Winneshiek Coun	BCOM BCOM BCOM FAC FAC TAC BCOM TAC TAC BAC BAC BAC PWD PWD PWD PWD
	Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek Winneshiek	Decorah  Decorah  Calmar  Decorah  Calmar  Calmar  Calmar  Calmar  Decorah  Decorah  Decorah  Decorah  Decorah  Decorah	Winneshiek County Board of Supervisors Winneshiek County Economic Dev. Board Northeast Iowa Food & Fitness Initiative Wapsi Produce Lynch Livestock & Catering Agricultural Dairy Builders Economic Developers of IA and MN dairy construction companies dairy farms crop farms Cutting Edge Enterprise LLC Erdman Engineering, P.C. Holcim (US) Inc Nelson Consulting	Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Winneshiek County Extension Thoreson, Dale Fld Spec ANR Thoreson, Dale Fld Spec ANR Thoreson, Dale Fld Spec ANR Thoreson, Dale Fld Spec ANR Thoreson, Dale Fld Spec ANR Thoreson, Dale Fld Spec CANR Thoreson, Dale Fld Spec CANR CANR CANR CANR CANR CANR CANR CANR	BCOM BCOM BCOM FAC FAC TAC BCOM TAC TAC TAC BAC BAC BAC BAC PWD PWD PWD

Winneshiek County	4	4			4
	Woodbury	Sioux City	First National Bank	Communities Extension	OCOM
	Woodbury	Sioux City	Sioux City Foundry Co	College of Business	FAC
	Woodbury	Sioux City	JacobsonBekins	College of Business	FAC
	Woodbury	Sioux City	Red Wheel Fundraising/Broadway Foods	College of Business	BAC
	Woodbury	Moville	Moville	Landscape Architecture, IDRO	BCOM
	Woodbury	Sergeant Bluff	P & Z Commission Member	CRP	TCOM
	Woodbury	Sergeant Bluff	Zoning Board of Adjustment	CRP	TCOM
	Woodbury	Sioux City	Iowa Department of Economic Development	IDRO	BCOM
	Woodbury	Sioux City	American Popcorn Company	College of Engineering	PWD
	Woodbury	Sioux City	Siouxland Dist. Health	College of Engineering	PWD
	Woodbury	Sioux City	GELITA North America	IPRT Company Assistance- Materials	TAC
		,		IPRT Company Assistance-	
	Woodbury	Sioux City	Wilson Trailer Company	Materials IPRT Company Assistance-	TAC
	Woodbury	Sioux City	Nutra-Flo	Technology Commercialization	TT
	Woodbury	Ciarry City	Ciarry City Police Department	Midwest Forensics Resource Center, IPRT	PWD
		Sioux City	Sioux City Police Department		FAC
	Woodbury	Sioux City	Chief Energy	OBP (Fales, Raman)	
	Woodbury	Sioux City	Cloverleaf Cold Storage	Meat Science Extension	PWD
	Woodbury	Sioux City	Distance education student - BRT 501	OBP/ABE (Raman)	PWD
	Woodbury	Sioux City	Distance Education Students = 4	Brenton Ctr for Ag Instruction	PWD
	Woodbury	Sioux City	Feed Energy Company	Agricultural & Biosystem Engineering - STIR	TAC
				Western Research Farm,	
	Woodbury	Sioux City	Loess Hills Prairie Seminar Group	ISU	FAC
	Woodbury	Sioux City	Sadex	Meat Science Extension	PWD
	Woodbury	Sioux City	Verschoor Meats	Meat Science Extension	PWD
	Woodbury	Lawton	Envirotech Systems, Inc.	ISURF	TT
	Woodbury	Moville	Moville	Landscape Architecture, IDRO	BCOM
	Woodbury	Sergeant Bluff	P & Z Commission Member	Extension CED, CRP Extension	TCOM
	Woodbury	Sergeant Bluff	Zoning Board of Adjustment	Extension CED, CRP Extension	TCOM
	Woodbury	Sioux City	Compassion Iowa - Nonprofit Management Academy	Extension CED	PWD
	Woodbury	Sioux City	Iowa Department of Economic Development	IDRO	BCOM
	Woodbury	Sioux City	Sioux City	Extension CED	TCOM/ OCOM/ PWD
	Woodbury	Sioux City	unknown	Extension CED	PWD
	Woodbury	Sioux City	Economic Development Partners group	ISU Extension	BCOM
	Woodbury	Sioux City	Economic development - Midstates conf.	ISU Extension	BCOM
	Woodbury	Sioux City	economic development -regional planning	ISU Extension	BCOM
	Woodbury	Sioux City	Wind energy conference planning	ISU Extension	BCOM
	Woodbury	Moville	Woodbury Central Community School	ISU Extension	PWD
			Taco John's		
		Sioux City		ISU Extension	PWD
	Woodbury	Sioux City	Dairy Queen	ISU Extension	PWD PWD
	Woodbury Woodbury	Sioux City	Dairy Queen	ISU Extension	PWD
	Woodbury Woodbury Woodbury	Sioux City Sioux City	Mercy Medical Center	ISU Extension ISU Extension	PWD PWD
	Woodbury Woodbury Woodbury Woodbury	Sioux City Sioux City Sergeant Bluff	Mercy Medical Center Floyd House Assisted Living	ISU Extension ISU Extension ISU Extension	PWD PWD PWD
	Woodbury Woodbury Woodbury Woodbury Woodbury	Sioux City Sioux City Sergeant Bluff Sioux City	Mercy Medical Center Floyd House Assisted Living Mid-Step Services	ISU Extension ISU Extension ISU Extension ISU Extension ISU Extension	PWD PWD PWD PWD
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	Woodbury Woodbury	Sioux City Sioux City Sioux City Sergeant Bluff Sioux City Sioux City Sioux City Sioux City Sioux City Sioux City Anthon Sioux City	Mercy Medical Center Floyd House Assisted Living Mid-Step Services Barnes & Noble Siouxland Surgery Center Bickford Cottage Taco Bell Anthon-Oto Community School District Negron's Mexican Food Coyote Canyon Clarion Hotel Distinctive Gourmet Alzheimer's Association HuHot Mongolian Grill Chick Fil-A Restaurant CBM Red Robin Restaurant Kentucky Fried Chicken Arby's Restaurant Prime Living Apartments Food Bank of Siouxland Community Action Agency of Siouxland Crittention Center	ISU Extension ISU Extension	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
	Woodbury Woodbury	Sioux City Sioux City Sergeant Bluff Sioux City Sioux City Sioux City Sioux City Sioux City Sioux City Sioux City Anthon Sioux City	Mercy Medical Center Floyd House Assisted Living Mid-Step Services Barnes & Noble Siouxland Surgery Center Bickford Cottage Taco Bell Anthon-Oto Community School District Negron's Mexican Food Coyote Canyon Clarion Hotel Distinctive Gourmet Alzheimer's Association HuHot Mongolian Grill Chick Fil-A Restaurant CBM Red Robin Restaurant Kentucky Fried Chicken Arby's Restaurant Prime Living Apartments Food Bank of Siouxland Community Action Agency of Siouxland Crittenton Center 3 Non profit series offered- Planning group	ISU Extension ISU Extension	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
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	Woodbury Woodbury	Sioux City Sioux City Sioux City Sergeant Bluff Sioux City Sioux City Sioux City Sioux City Sioux City Sioux City Anthon Sioux City	Mercy Medical Center Floyd House Assisted Living Mid-Step Services Barnes & Noble Siouxland Surgery Center Bickford Cottage Taco Bell Anthon-Oto Community School District Negron's Mexican Food Coyote Canyon Clarion Hotel Distinctive Gourmet Alzheimer's Association HuHot Mongolian Grill Chick Fil-A Restaurant CBM Red Robin Restaurant Kentucky Fried Chicken Arby's Restaurant Prime Living Apartments Food Bank of Siouxland Community Action Agency of Siouxland Crittenton Center 3 Non profit series offered- Planning group Compassion lowa groups hosted here Siouxland Industrial Roundtable training Jackson Recovery - training for staff	ISU Extension ISU Extension	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
	Woodbury Woodbury	Sioux City Sioux City Sergeant Bluff Sioux City Sioux City Sioux City Sioux City Sioux City Sioux City Sioux City Anthon Sioux City	Mercy Medical Center Floyd House Assisted Living Mid-Step Services Barnes & Noble Siouxland Surgery Center Bickford Cottage Taco Bell Anthon-Oto Community School District Negron's Mexican Food Coyote Canyon Clarion Hotel Distinctive Gourmet Alzheimer's Association HuHot Mongolian Grill Chick Fil-A Restaurant CBM Red Robin Restaurant Kentucky Fried Chicken Arby's Restaurant Prime Living Apartments Food Bank of Siouxland Community Action Agency of Siouxland Crittenton Center 3 Non profit series offered- Planning group Compassion lowa groups hosted here Siouxland Industrial Roundtable training Jackson Recovery - training for staff Prime Living Apartments	ISU Extension ISU Extension	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
	Woodbury Woodbury	Sioux City Sioux City Sergeant Bluff Sioux City Sioux City Sioux City Sioux City Sioux City Sioux City Sioux City Anthon Sioux City Sergeant Bluff Sioux City	Mercy Medical Center Floyd House Assisted Living Mid-Step Services Barnes & Noble Siouxland Surgery Center Bickford Cottage Taco Bell Anthon-Oto Community School District Negron's Mexican Food Coyote Canyon Clarion Hotel Distinctive Gourmet Alzheimer's Association HuHot Mongolian Grill Chick Fil-A Restaurant CBM Red Robin Restaurant Kentucky Fried Chicken Arby's Restaurant Prime Living Apartments Food Bank of Siouxland Community Action Agency of Siouxland Crittenton Center 3 Non profit series offered- Planning group Compassion lowa groups hosted here Siouxland Industrial Roundtable training Jackson Recovery - training for staff Prime Living Apartments	ISU Extension ISU Extension	PWD PWD PWD PWD PWD PWD PWD PWD PWD PWD
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	Worth	Northwood	IDRO Northwood Landscape Architecture,	ВСОМ
	Ivvortn			
	Worth	Manly Manly	Sunny Fresh Foods College of Engineering  Manly Landscape Architecture,	BCOM
			IDRO	PWD
	Worth	Northwood	IDRO Northwood Landscape Architecture,	BCOM
	Worth	Manly	Manly Landscape Architecture,	всом
Woodbury County	142		, ,	1
	Woodbury	Sioux City Sioux City	Olsson Associates CTRE/CP Tech City Local Housing Trust Extension CED	TCOM
	Woodbury Woodbury	Sioux City South Sioux City	Woodbury Co. CTRE/CP Tech  Olsson Associates CTRE/CP Tech	PWD PWD
	Woodbury	Sioux City	Standard Ready Mix Concrete CTRE/CP Tech	PWD
	Woodbury	Sioux City	Sioux City CTRE/CP Tech	PWD
	Woodbury Woodbury	Sioux City Sioux City	Rose Engineering PC CTRE/CP Tech Schroder Engineering CTRE/CP Tech	PWD
	Woodbury	Sioux City Sioux City	Olsson Associates CTRE/CP Tech Rose Engineering PC CTRE/CP Tech	PWD PWD
	Woodbury	Sioux City	MidAmerican Energey CTRE/CP Tech	PWD
	Woodbury	Sioux City	Kraco Contractors CTRE/CP Tech	PWD
	Woodbury Woodbury	Sioux City Sioux City	Knife River Midwest CTRE/CP Tech	PWD
	Woodbury	Sioux City Sioux City	Iowa Concrete Paving         CTRE/CP Tech           Iowa DOT         CTRE/CP Tech	PWD PWD
	Woodbury	Sioux City	Howard R. Green Co. CTRE/CP Tech	PWD
	Woodbury	Sioux City	Gleeson Constructors, LLC CTRE/CP Tech	PWD
	Woodbury	Sioux City Sioux City	Dotzler Engineering Enterprises   CTRE/CP Tech     FEH Associates., Inc.   CTRE/CP Tech	PWD
	Woodbury	Sioux City	DeWild Grant Reckert & Assoc Co. CTRE/CP Tech	PWD
	Woodbury	Sioux City	City of Sioux City CTRE/CP Tech	PWD
	Woodbury	Sioux City	Certified Testing Services Inc.  CTRE/CP Tech	PWD
	Woodbury Woodbury	Sioux Sioux City	Woodbury Co. CTRE/CP Tech  Buell Winter Mousel & Assoc. CTRE/CP Tech	PWD PWD
	Woodbury	Sergeant Bluff	Veenstra & Kimm CTRE/CP Tech	PWD
	Woodbury	Sergeant Bluff	Nebraska Ash Company CTRE/CP Tech	PWD
	Woodbury Woodbury	S. Sioux City Salix	Headwaters Resources CTRE/CP Tech	PWD
	Woodbury	Moville	Woodbury Central Community School Families Extension  Olsson Associates CTRE/CP Tech	PWD PWD
	Woodbury	Sioux City	Wind energy conference planning community and ED	всом
	Woodbury	Sioux City	Taco John's Families Extension	PWD
	Woodbury Woodbury	Sioux City Sioux City	Siouxland Surgery Center Families Extension Taco Bell Families Extension	PWD PWD
	Woodbury	Sioux City	Signal Surgery Contor  Signal Surgery Contor  Signal Surgery Contor  Signal Surgery Contor  Signal Surgery Contor	PWD PWD
	Woodbury	•	SCORE Communities	BCOM
	Woodbury	Sioux City	Red Robin Restaurant Families Extension	PWD
	Woodbury Woodbury	Sioux City Sioux City	Negron's Mexican Food         Families Extension           Prime Living Apartments         Families Extension	PWD PWD
	Woodbury	Sioux City	Mid-Step Services Families Extension	PWD
	Woodbury	Sioux City	Mercy Medical Center Families Extension	PWD
	Woodbury	Sioux City	Kentucky Fried Chicken Families Extension	PWD
	Woodbury	Sioux City Sioux City	Jackson Recovery - training for staff families	PWD
	Woodbury Woodbury	Sioux City Sioux City	Food Bank of Siouxland Families Extension HuHot Mongolian Grill Families Extension	PWD PWD
	Woodbury	Sergeant Bluff	Floyd House Assisted Living Families Extension	PWD
	Woodbury	Sioux City	economic development -regional planning community and ED	BCOM
	Woodbury	Sioux City	Economic Development Partners group ED	всом
	Woodbury	Sioux City	Economic development - Midstates conf.   Community and ED   families and community and	
	Woodbury	Sioux City	Distinctive Gourmet Families Extension  Economic development - Midstates conf. community and ED	PWD BCOM
	Woodbury	Sioux City	Dairy Queen Families Extension	PWD
	Woodbury	Sioux City	Crittenton Center Families Extension	PWD
	Woodbury	Sioux City	Council- sex. assault & dom. violence tamilles  Coyote Canyon Families Extension	PWD
	Woodbury Woodbury	Sioux City Sioux City	Compassion lowa groups hosted here community and ED council- sex. assault & dom. violence families	PWD OCOM
	Woodbury	Sioux City	Community Action Agency of Siouxland Families Extension	PWD
	Woodbury	Sioux City	Clarion Hotel Families Extension	PWD
	Woodbury Woodbury	Sioux City Sioux City	CBM Families Extension Chick Fil-A Restaurant Families Extension	PWD PWD
	Woodbury	Sioux City	Bickford Cottage Families Extension	PWD
	Woodbury	Sioux City	Barnes & Noble Families Extension	PWD
	Woodbury Woodbury	Anthon Sioux City	Anthon-Oto Community School District Families Extension Arby's Restaurant Families Extension	PWD
	Woodbury	Sioux City	Alzheimer's Association Families Extension	PWD PWD
	Woodbury	Sioux City	Action - community meetings families	ОСОМ
	Woodbury	Sioux City	3 Non profit series offered- Planning group community and ED	PWD
	Woodbury Woodbury	Sioux City Sioux City	Sioux Rubber Applicators ISUE-CIRAS 2 Child care conference planning families	TAC OCOM
	Woodbury	Sioux City	American Pop Corn Co	TAC
	Woodbury	Sioux City	Nutra-Flo Co - Sioux City ISUE-CIRAS	TAC
	Woodbury Woodbury	Sioux City	Event in Woodbury County ISUE-CIRAS  Nutra-Flo Co - Sioux City ISUE-CIRAS	TAC
	Woodbury		Event in Woodbury County ISUE-CIRAS	BAC
	Woodbury		Event in Woodbury County ISUE-CIRAS	FAC
	Woodbury		Event in Woodbury County ISUE-CIRAS	FAC

	Worth		SCORE	Extension CED	BCOM
	Worth		Siouxland Human Investment Partnership	CD-DIAL - Sociology Extension	ОСОМ
	Worth		Woodbury County Auditors	Extension CED	OCOM
	Worth	Northwood	Northwood-Kensett Community School	4-H Youth Development	ОСОМ
	Worth	Northwood	Advanced Component Technologies	ISUE-CIRAS	TAC
	Worth	Northwood	Advanced Component Technologies	ISUE-CIRAS	TAC
	Worth	Northwood	Advanced Component Technologies	ISUE-CIRAS	TAC
	Worth		Silos & Smokestacks National Heritage Area	Extension CED	OCOM
	Worth		Worth County	Extension CED	OCOM
Worth County	14				1
	Wright	Eagle Grove	Fairgrounds Masterplan	Landscape Architecture	BCOM
	Wright	Eagle Grove	Wright County Fair Board	Landscape Architecture IDRO	ТСОМ
	Wright	Belmond	CAI Students	Crop Advisor Institute	PWD
	Wright	Goldfield	Distance Education Students = 1	Brenton Ctr for Ag Instruction	PWD
	Wright	Clarion	Distance Education Students = 3	Brenton Ctr for Ag Instruction	PWD
	_			Brenton Ctr for Ag	
	Wright	Woolstock	Distance Education Students = 4	Instruction	PWD
	Wright	Eagle Grove	Lewright Meats, Inc.	Meat Science Extension	PWD
	Wright	Rowan	Rowan Public Library	Northern Research Farm, ISU	ОСОМ
	Wright	Clarion	Wright County Homeland Security Emergency Management	Extension CED	PWD
	Wright	Eagle Grove	Eagle Grove	Extension CED	TCOM
	Wright	Eagle Grove	Fairgrounds Masterplan	Extension CED, Landscape Architecture Extension	ВСОМ
	Wright	Eagle Grove	Wright County Fair Board	Landscape Architecture Extension, IDRO	ТСОМ
	Wright		Silos & Smokestacks National Heritage Area	Extension CED	OCOM
	Wright		Wright County Medical Conference	Extension CED	PWD
			·	Communities Field	
	Wright	Clarion	Wright Medical Center	Specialist	PWD
	Wright	Clarion	general public - low income population	ISU Extension	OCOM
	Wright	Eagle Grove	McKinley Advertising	ISUE-CIRAS	BAC
	Wright	Clarion	Patington, Inc.	ISUE-CIRAS	BAC
	Wright	Clarion	Hagie Manufacturing Co	ISUE-CIRAS	TAC
	Wright	Clarion	Hagie Manufacturing Co	ISUE-CIRAS	TAC
	Wright		Wright County Medical Conference	Communities	PWD
	Wright		Wright County	Extension CED	OCOM/ PWD
	Wright	Eagle Grove	Lewright Meats Inc.	Business and Industry	BAC
	Wright	Clarion	Hagie Manufacturing	Business and Industry	TAC
	Wright	Belmond	City of Belmond	County Extension	OCOM
Wright County	25				2
Grand Total	4484				448

# Categories for Reporting of Technology Transfer & Economic Development Activities

- 1. **Business assistance to companies (BAC)** including market research, business plans, and strategic planning, i.e., the financial side
- 2. Business assistance to communities, regions & econ development groups (BCOM)-'business' here has a broad interpretation, including e.g. community planning
- 3. **Technical assistance to companies and industry associations (TAC)**--shorter or larger projects, engineering and science oriented, plant lay-out designs, and quality control.
- 4. **Technical assistance to communities and regions (TCOM)**--road, water, sewer, i.e. mostly infrastructure etc
- 5. **Facilitation** (**FAC**)--includes hosting company visits and organizing visits to companies, interacting with economic development groups, industry associations, etc., and coordinating participation in conferences and other events
- 6. Other community assistance (OCOM), e.g. school, law enforcement groups, healthcare professionals, etc
- 7. Professional and workforce development, including distance education for credit and not for credit (PWD)--includes professional development programs for individuals not at ISU
- 8. **Technology transfer (TT)** in the narrow sense, i.e. activities related to ISU technology development and licensing.

Start-up companies are of great interest to many who will receive our reports. Therefore we will separate out start-up companies as a sub-category in categories 1, 2 and 3. We define 'start-up company' as any business that has been in existence five years or less. Newly founded or acquired subsidiaries of larger companies fall into this category, if the subsidiary exists for five years or less.

When collecting info, count incidents, not dollars.

FY07 Economic Development Interactions by County

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	74	48	30	<b>D</b> 2	22	28	,	25	1	19	1	7	29	9	32	44		
7	142	21	3	31	15	<b>58</b>	} } ]	50	<del>                                     </del>	43	1	<b>7</b>	80	]	16	22	66	
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	{ 2	21	29	17	17	7	44	48	39	3	4	3	30	19	14	48	15	105
	· S	73		64	44	4	18	1	9	57	7	24		26	31		62	
		25	54	; ا	31	31	1	9	13	3	3		44	4	22	24	36	
	{	22	49	) ;	31	26	2	2	13	3	27		8		15	162	$\supset$	
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### IOWA STATE UNIVERSITY GROW IOWA VALUES FUND UPDATE

### **AUGUST 2007**

### FY06 FUNDED PROJECTS

### **Final Reports**

Principal	Project Title	Award
Investigator		Amount
Johnny Wong	Quality Assessment Tools for Colonoscopy	\$75,405
Victor Lin	Enhancing the Soy Biorefinery	\$140,000
Arun Somani	Model-based Reasoning for Software: Advanced	\$97,573
	Algorithmic Techniques and Prototype Implementation	
Atul Kelkar	Pneumatic Continuously Variable Natural Frequency and	\$73,919
	Damping Isolator for Active Suspensions	
Matthew Erdman	Viral replicon particle discovery research for development	\$104,064
	of improved vaccines for swine	

Ongoing Projects Update period: January 01, 2007 – June 30, 2007

Principal	Project Title	Award
Investigator		Amount
Surya	Protein Micropatterning on Microsensors to Quantify Cell	\$21,525
Mallapragada	Cytotoxicity of Adherent and Non-adherent Cells	
Byron Brehm-	Applied Nanotechnology for Label-free Detection of	\$99,800
Stecher	Pathogen-Specific Nucleic Acids	
Martha James	Development of Novel Digestion-Resistant Starches from	\$99,400
	Corn to Combat Human Disease	
David Grewell	Retooling Ethanol Industries: Integrating Ultrasonics into	\$80,519
	Dry Corn Milling to Enhance Ethanol Yield	

### Quality Assessment Tools for Colonoscopy

Principal Investigator: Johnny Wong

Co-PIs: Wallapak Tavanapong

Industry Partners (company names only): EndoMetric, LLC

**Project Goal:** To enhance and integrate our proof-of-concept software for objectively measuring the quality of colonoscopy and to test its value in a high volume, world-class colonoscopy practice in preparation for commercialization.

### **Executive Summary:**

Please provide a 300-500 word summary of the final results of the project (text only, 2500 character maximum), including the commercialization status.

We have met and exceeded the milestones outlined in the original proposal.

- I. Progress on Software Development
- •Arthemis 3.0 (or EndoMetric-Manual---Software for annotating colonoscopy videos): We completed the implementation of the software. Dr. de Groen (domain expert) has used the software to annotate colonoscopy videos.
- •Avidense version 2.0 (software that analyzes quality measurements from captured videos generated during colonoscopy): We completed the development of the proof-of-concept analysis software that produces a total of six quality metrics (one extra metric in addition to what we originally proposed) for videos captured from Olympus endoscopes. These metrics are (1) location of maximal intubation; (2) duration of informative frame video segment during withdrawal excluding both biopsy and therapeutic operations; (3) duration of operational episodes; (4) direction of movement and speed estimate of the endoscope during withdrawal; (5) an estimated score of quality of colon mucosa inspection; and (6) number of images with the appendiceal orifice clearly seen. The software has been installed at Mayo Clinic Rochester in September of 2006 and show promising results.
- II. Progress on Commercialization
- •Increased Visibility. We have demonstrated EndoMetric-Manual at Digestive Disease Week 2006 in May in Los Angeles. Our invention on the automatic quality measurement system also received the 2006 American College of Gastroenterology (ACG) Governors Award for Excellence in Clinical Research. News articles on the award appeared locally and nationally. Oncology Times, IEEE Intelligent Systems, and Gastroenterology & Endoscopy News have articles on our work. Our work has created a significant visibility for the university and the state of Iowa.
- •Protection of Key Intellectual Property. Mayo Medical Venture (MMV) has filed patent applications to cover related inventions on behalf of ISU, Mayo, and UTA. The application includes 13 inventions.
- •Formation of EndoMetric, LLC, an Iowa-based startup company to commercialize our technology. We have incorporated the company and developed the business plan with the help of the ISU Papajohn Business center. Our business plan was one of the thirty plans selected to compete in the next stage of the 2007 Papajohn Iowa Business Plan Competition.
- •External collaboration. We conducted feedback sessions with endoscopy staffs at UI and IDDC and received verbal agreements to have the two places as test sites.

### **External Funding:**

Please list all of the applications for external funding that you have applied for using the results from this GIVF project, including the status (awarded, denied, pending).

•Automated Reporting System for Colonoscopy. Mayo Clinic Rochester. 01/15/2007 – 12/31/2007. \$50,000. Status: Awarded.

- •Enhancement of a Quality Control System for Colonoscopy. Iowa State University Research Foundation. 03/01/07 02/28/08. \$25,000. Status: Awarded.
- •Evaluation of a Quality Assessment System for Colonoscopy at Iowa Digestive Disease Center (IDDC). Iowa State University Technology Commercialization Acceleration Program. 01/01/2007-06/30/2007. \$10,000. Status: Awarded.
- •Evaluation of Quality Assessment Tools for Colonoscopy. Grow Iowa Values Fund. Iowa State University. 07/01/2007-06/30/2008. \$100,397. Status: Pending.
- •Computer-Aided Quality Control for Colonoscopy, National Institutes of Health, STTR. 01/01/2008-06/30/2008. \$100,000. Status: Pending.
- •III-CXT: Objective Quality Control System for Colonoscopy. National Science Foundation. 06/01/07-05/31/10. \$861,546. Status: Rejected; reason: regarded as an application of techniques developed as part of our current NSF grant.

### **Intellectual Property**

Please list any invention disclosures (ISURF number and one-sentence description) related to the project that existed PRIOR to the start of the project:

ISURF #03305: Intelligent Multimedia Processing and Analysis for Colorectal Tumors (IMPACT)

Please list any invention disclosures (ISURF number and one-sentence description) that were made as a result of the project:

Please indicate if you intend to file future invention disclosures related to this project (one-sentence description):

We have other new algorithms to be filed.

#### **Publications and Presentations**

Please list all publications and presentations (published or pending) that included the results of this research:

- P. C. De Groen, W. Tavanapong, J. Oh, J. Wong. Computer-aided Quality Control for Colonoscopy: Automatic Documentation of Cecal Intubation. Digestive Disease Week 2007. ASGE Poster Session Endoscopic Technology Endoscopy: New Image Technology, May 15-24, 2007, Washington DC, USA.
- D. Liu, Y. Cao. W. Tavanapong, J. Wong, J. Oh, and P. C. de Groen. Mining Colonoscopy Videos to Measure Quality of Colonoscopic Procedures. In Proc. of IASTED Int'l Conf. on Biomedical Engineering (BioMed), pages 409-414, Innsbruck, Austria, February 2007. (Oral presentation)
- Y. Cao, D. Liu, W. Tavanapong, J. Wong, J. Oh, and P. C. de Groen. Automatic Classification of Images with Appendiceal Orifice in Colonoscopy Videos. In Proc. of IEEE Engineering in Medicine and Biology Conference, pages 2349-2352, New York City, New York, August 2006. (Oral presentation).
- Danyu Liu, Yu Cao, Ki-Hwan Kim, Sean Stanek, Bancha Doungratanaex-chai, Kungen Lin, Wallapak Tavanapong, Johnny Wong, JungHwan Oh, and Piet C. de Groen. Arthemis: Annotation Software in an Integrated Capturing and Analysis System for Colonoscopy. In preparation for 2<sup>nd</sup> round review of Computer Methods and Programs in Biomedicine.

### **Honors and Awards**

Please list all honors/awards/special press/etc. related to this project. Award

- Objective Quality Control for Colonoscopy: Automated Extraction of Endoscopic Metrics from Video Files. 2006 American College of Gastroenterology Governors Award for Excellence in Clinical Research for "The Best Scientific Paper," Oct. 21, 2006.

Articles written by others discussing our work

- New Technology Aims to Improve Colonoscopy by Automatically & Objectively Analyzing Efficacy, Oncology Times, Volume 1, Jan 10, pages 24-25.
- Danna Voth. Toward More Intelligent Healthcare, IEEE Intelligent Systems, March/April 2007, pages 5-7.
- Best of ACG. Gastroenterology & Hepatology Volume 3, issue 1, Jan 2007, pages 41-48.
- Steve Frandzel. New Digital Recording System Measures Colonoscopy Performance Metrics. Gastroenterology & Endoscopy News. Volume 58, issue 3, March 2007.

### **Enhancing the Soy Biorefinery**

**Principal Investigator:** Victor S.-Y. Lin **Co-PIs:** George A. Kraus, John G. Verkade

Industry Partners (company names only): Catilin, Inc.

**Project Goal:** The objectives of this project are to lower the costs of production of biodiesel by refining and engineering a system to deploy new catalyst technologies for converting soy oil or other oil-containing feedstocks to biodiesel, and to refine a process to convert glycerin into 1,3-propanediol (PDO).

### **Executive Summary:**

Please provide a 300-500 word summary of the final results of the project (text only, 2500 character maximum), including the commercialization status.

The goal of this project is to increase the efficiency, expand the product line, and enhance the profitability of biodiesel industry. We are happy to report that we have made some significant progress in taking soy biorefining to the next stage – furthering the value-added utilization of the soybean. Specifically, we have accomplished the following specific goals that we proposed a year ago:

1. Revolutionize the way biodiesel is produced.

We have developed two types of novel solid catalysts that are low cost, heterogeneous, and recyclable, eliminating the "wash and neutralization step" of biodiesel production, which, in turn, significantly lowers the cost of manufacturing biodiesel. We have filed two patent applications on these new catalysts through ISURF. We have received \$3,000,000 from a California-based venture capital firm, Mohr Davidow Ventures, to establish a new start-up company, Catilin, Inc. (www.catilin.com), for the commercialization of these new catalyst technologies.

### 2. Convert glycerin into value-added chemicals.

We have evaluated the ionic hydrogenation reaction to convert glycerin into 1,3-propanediol. A porous silicon (PSi) material was developed to be a reagent to convert glycerin into 1,3-propanediol. Preliminary results obtained by the Kraus and Lin group show that reduction of glycerol on a gram scale using the PSi produces only 1,3-propanediol in a 55% yield. A patent application was filed through ISURF.

### Accomplished Milestones:

Several deliverables generated from this project on the soy biorefinery are:

- Establishment of Catilin, Inc. for the commercialization of our biodiesel catalyst technology.
- New synthetic laboratory at the Innovations Development Facility (IDF) of the Plant Science Institute (Carver Co-Lab) for the scale up synthesis of the biodiesel catalysts
- Collaboration with the Biomass Energy Conversion Center (BECON) for the construction of a biodiesel production pilot plant using our new solid catalyst technology.

Jobs created from this project so far:

• Four full time employees at Catilin for biodiesel catalyst development and commercialization.

#### External Funding:

Please list all of the applications for external funding that you have applied for using the results from this GIVF project, including the status (awarded, denied, pending).

### **Intellectual Property**

Please list any invention disclosures (ISURF number and one-sentence description) related to the project that existed PRIOR to the start of the project:

ISURF #2979 Mesoporous Solid Acid Catalyst for Conversion of Soybean Oil to Biodiesel and Elimination of Fatty Acids

# Please list any invention disclosures (ISURF number and one-sentence description) that were made as a result of the project:

ISURF #3196 Selective Reduction of Polyols by Porous Silicon (Conversion of Glycerin to PDO) ISURF #3280 A new Porous Silica & Calcium Oxide Composite-based Catalyst for Conversion of Vegetable Oils to Biodiesel

ISURF #03503 Cement Kiln Dust-based Transesterification Catalyst for Conversion of Vegetable Oils to Biodiesel

Please indicate if you intend to file future invention disclosures related to this project (one-sentence description):

### Publications and Presentations

Please list all publications and presentations (published or pending) that included the results of this research:

- 1. "Nanoporous Solid Catalysts for Efficient Biodiesel Production" Victor S.-Y. Lin, Thailand-U.S.A. OSTC/NSTDA/MOST/ATPAC Annual Workshop, Biodiesel Symposium: Heterogeneous Catalysis, Columbus, Ohio, August 28-29, 2006 (Invited Talk).
- 2. "Environmentally Friendly Nanoporous Oxide Catalysts for Biodiesel Synthesis" Victor S.-Y. Lin, Green Chemistry for Fuel Synthesis and Processing Symposium, 232nd ACS National Meeting, San Francisco, CA, September 10-14, 2006 (Invited Talk).
- 3. "Gatekeeping Effect: Multi-functionalized Mesoporous Silica Nanomaterials for Catalysis and Biotechnological Applications" Victor S.-Y. Lin, Department of Chemistry, University of North Carolina at Chapel Hill, Chapel Hill, NC, September 19, 2006 (Chemistry Seminar).
- 4. "Gatekeeping Effect: Multi-functionalized Mesoporous Silica Nanomaterials for Catalysis and Biotechnological Applications" Victor S.-Y. Lin, Department of Chemistry, Duke University, Durham, NC, September 20, 2006 (Chemistry Seminar).
- 5. "Gatekeeping Effect: Multifunctional Mesoporous Silica Materials for Catalysis and Biomedical Applications" Victor S.-Y. Lin, 4th COE 21 International Symposium on Human-Friendly Materials Based on Chemistry, University of Tokyo, Tokyo, Japan, October 10-11, 2006 (Invited Keynote Talk).
- 6. "Environmentally Friendly Nanoporous Oxide Catalysts for Biodiesel Synthesis" Victor S.-Y. Lin, 9th Annual Chinese-American Frontiers of Science (CAFOS) Symposium, Irvine, California, October 26-28, 2006 (Invited Talk).

<sup>&</sup>quot;Start-up company for commercialization of new solid biodiesel catalysts" \$3,000,000 Mohr Davidow Ventures (awarded)

<sup>&</sup>quot;Diols from Polyols" \$1,200,000 U.S. DOE/USDA Biomass Research and Development Initiative (denied)

- 6. "Gatekeeping Effect: Multi-functionalized Mesoporous Silica Nanomaterials for Catalysis and Biotechnological Applications" Victor S.-Y. Lin, Department of Chemistry, Michigan State University, East Lansing, Michigan, November 6, 2006 (Chemistry Seminar).
- 7. "Multifunctional Mesoporous Silica Nanoparticles for Catalysis, Sensor, and Intracellular Controlled Release Applications" Victor S.-Y. Lin, CSR-Catalytic Systems, ExxonMobil Research and Engineering Co., Annandale, New Jersey, December 7, 2006 (Invited Talk).
- 8. "Gatekeeping Effect: Multifunctional Mesoporous Silica Nanoparticles for Selective Catalysis and Conversion of Bio-based Feedstocks to Biodiesel" Victor S.-Y. Lin, North East Zeolite/Mesoporous Catalytic Materials Symposium (NECZA Symposium), Philadelphia, Pennsylvania, December 8, 2006 (Invited Talk).
- 9. "Multifunctional mesoporous nanoparticle-based catalysts and controlled release delivery systems for bioenergy applications" Victor S.-Y. Lin, Sustainability of Energy, Food, and Water Symposium, 233rd ACS National Meeting, Chicago, IL, March 25-29, 2007 (Invited Talk).
- 10. "Functional Mesoporous Metal oxides for Bio-mimetic Cooperative Catalysis and Biodiesel Synthesis" Victor S.-Y. Lin, The Catalysis Club of Philadelphia 2007 Spring Symposium, Holiday Inn Select Claymont, DE, May 14, 2007 (Invited Speaker).
- 11. "Multifunctional Mesoporous Silica Nanoparticles for Selective Catalysis and Conversion of Biobased Feedstocks to Biodiesel and Value-added Chemicals" Victor S.-Y. Lin, the U.S. Department of Energy, Office of Science, Office of Basic Energy Sciences Catalysis Program Contractors' Meeting, Wintergreen, VA, May 23-26, 2007 (Invited Speaker).

### **Honors and Awards**

Please list all honors/awards/special press/etc. related to this project. Our biodiesel research breakthrough was featured on a public television program (PBS) of "Farmers' Almanac TV." The episode was broadcast on Friday, June 8, on Iowa Public Television (IPTV).

The New York Times published a story about our new biodiesel catalyst technology and the technology transfer from Iowa State University to Catilin, Inc. on July 1, 2007.

# Model-based Reasoning for Software: Advanced Algorithmic Techniques and Prototype Implementation

Principal Investigator: Arun Somani

Industry Partners (company names only): EnSoft Corp.

**Project Goal:** Work with EnSoft to develop the next generation of SimDiff, a tool for differencing control software models.

### **Executive Summary:**

Please provide a 300-500 word summary of the final results of the project (text only, 2500 character maximum), including the commercialization status.

EnSoft, an ISU based software tools company at the ISU Research Park, has developed an innovative tool for users of Simulink software. Simulink is a software modeling tool widely used for developing control systems. EnSoft's tool, SimDiff, analyzes Simulink software models and presents the results in an easy-to-comprehend visual form. An animated demo of the SimDiff tool is available at (http://www.ensoftcorp.com/). Initially, SimDiff was developed with partial funding from Rockwell. Initial, objective was to automate auditing of software design models of flight control systems. After its initial development, the scope broadened and eventually SimDiff released by EnSoft in 2005 as a model differencing tool with applications in avionics, automotive, and many other industries that develop complex control software as a critical component of their products.

This project involved research to assist EnSoft in developing the next generation of the SimDiff tool. The work involved developing innovative algorithmic techniques and their prototype implementation. The proposed work was split between work performed at ISU by ISU faculty and students, and some work to be performed at EnSoft.

The SimDiff tool has huge potential for commercialization because of the vast proliferation of software enabled control. Control software is everywhere – in thermostats, watches, cell phones, microwave ovens, cars, tractors, pacemakers, airplanes, spacecrafts, and so on. Control software continues to be harnessed to achieve more functionality and efficiency. Just as imaging technologies allow doctors to look inside the human body to target health treatment, so also the objective of the SimDiff tool and the underlying analysis technology is allow engineers to look inside the highly complex control software so they can target their work and perform more efficiently. Currently, SimDiff is the only tool available in the market to anlyze control software models.

Within 18 months of its introduction, close to 200 copies of SimDiff have been licensed by 26 companies in 7 countries including USA, Austria, Germany, England, Italy, Romania, and Japan; and 70 other companies are conducting trials of SimDiff, the vast majority of which are included in the Global Fortune 500. Executives from major car manufacturers in Japan now visit EnSoft to discuss company-wide adoption of SimDiff and the possibility of developing other tools for accelerating designs of new cars.

### External Funding:

Please list all of the applications for external funding that you have applied for using the results from this GIVF project, including the status (awarded, denied, pending).

Two proposals were submitted one to NSF and another to the Advanced Technology Program (ATP) within National Institute of Standards and Technology (NIST). The NSF proposal was not funded. The ATP proposal is currently under review.

### **Intellectual Property**

Please list any invention disclosures (ISURF number and one-sentence description) related to the project that existed PRIOR to the start of the project:

Please list any invention disclosures (ISURF number and one-sentence description) that were made as a result of the project:

# Please indicate if you intend to file future invention disclosures related to this project (one-sentence description):

While working on this project, we made significant advances in a related area of online software maintenance. We have had preliminary discussions with ISURF and the possibility of filing a patent application is being explored.

### Publications and Presentations

Please list all publications and presentations (published or pending) that included the results of this research:

- 1. Jason Stanek, S.C. Kothari, T.N. Nguyen, Online Software Maintenance for Mission-Critical Systems, 22nd IEEE International Conference on Software Maintenance (ICSM 06), pp. 93-103, Philadelphia, October 2006. (published)
- 2. Jason Stanek, S.C. Kothari, Software Differencing with a Suffix Tree based Graph Alignment Technique, submitted in May 2007 to the CASCON conference.
- 3. Jason Stanek, S.C. Kothari, A Graph Alignment Algorithm for Incremental Validation of Simulink Models, submitted in June 2007 to the Automated Software Engineering conference.

### **Honors and Awards**

Please list all honors/awards/special press/etc. related to this project.

# Pneumatic Continuously Variable Natural Frequency and Damping Isolator for Active Suspensions

Principal Investigator: Atul Kelkar

Industry Partners (company names only): Vibroaccoustic Solutions, Inc.

**Project Goal:** Advancing the state-of-the-art in vibration isolation technology and accelerating the technology transfer to commercial market for an innovative vibration isolation concept based on active/semi-active purely pneumatic isolation system.

### **Executive Summary:**

Please provide a 300-500 word summary of the final results of the project (text only, 2500 character maximum), including the commercialization status.

The research and development activity from this Grow Iowa Values Funds project has resulted into a joint Intellectual Property disclosure (#03492) between VSI and ISU entitled - "Vibration Isolation System - LCPID (Low Cost Pneumatic Isolation Device)". ISU and VSI were engaged right from beginning with potential end user, namely Link Manufacturing, Sioux City, IA, who are major suppliers of truck cab suspensions to U.S. market. The development of LCPID was focused on addressing the unmet need of the market in the vibration isolation in truck cab/seat suspensions. VSI's intellectual property on Continuously Varying Natrual Frequency and Damping (CVNFD) technology combined with the over-the-road field testing conducted by VSI and the performance targets given by Link led to the design of a new "low-cost" purely pneumatic isolation device. This project involved an extensive laboratory testing (simulations and experiments) for several versions of LCPID design including head-to-head comparison with exisitng truck cab suspension. The orders of magnitude difference in the performance of LCPID lab prototype witnessed by Link rapidly accelerated the project to the field testing. The field tests validated the lab results. Currently, Link is conducting cost analysis and adressing packaging and maintenance issues. The mechanical fatigue issues in LCPID design has led P.I. to further develop the isoltaion concept which has led to another IP disclosure through ISURF. The follow-on GIVF project if funded will focus on lab testing and commercial prototyping of this new design.

The LCPID technology has numerous other applications including suspension for operator seats in ag and construction equipment, driver seats for trucks and off-road vehicles, wheelchairs for handicaps, and vehicle suspensions. VSI has strong ties with Sear Seating and Mid-American Energy, who are actively looking for suspension solutions for seats and cabs. VSI's suspension division is working with Link for potential commercialization of LCPID in cab, seat, or sleeper bunk applications. VSI is also working with Mid American who is looking for retrofitting a fleet of over 800 trucks with the new suspension designs. Link Mfg. is expecting to introduce their new line of cab suspensions in 2008 with a low cost purely pneumatic revolutionary technology. VSI is planning to introduce LCPID technology in the market either in cab, seat, and sleeper bunk suspensions within next two years.

### External Funding:

Please list all of the applications for external funding that you have applied for using the results from this GIVF project, including the status (awarded, denied, pending).

Proposal: "Fundamental Investigation of Active Pneumatic Isolation Concept", Agency: NSF, Amount: \$280,596 (not funded).

### **Intellectual Property**

Please list any invention disclosures (ISURF number and one-sentence description) related to the project that existed PRIOR to the start of the project:

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Please list any invention disclosures (ISURF number and one-sentence description) that were made as a result of the project:

ISURF# 03492: "Vibration Isolation System - LCPID (Low Cost Pneumatic Isolation Device"

# Please indicate if you intend to file future invention disclosures related to this project (one-sentence description):

The further enhancements to vibration isolation technology emerging from this project are in the process of new Intellectual Property disclosures.

### **Publications and Presentations**

Please list all publications and presentations (published or pending) that included the results of this research:

Presentation to Link Manufacturing - (Sept. 06) "LCPID - Low end version of CVNFD".

(Due to Patent Disclosure on file no public presentations and/or publications were actively pursued.)

### **Honors and Awards**

Please list all honors/awards/special press/etc. related to this project. None.

(In spite of repeated request from ISU publicity department to showcase LCPID technology through press release due to the Patent Disclosure (#03492) on file no press and or award activity was actively pursued.)

### Viral replicon particle discovery research for development of improved vaccines for swine

Principal Investigator: Matthew M Erdman

Co-PIs: Maynard Hogberg

Industry Partners (company names only): Sirrah LLC, AlphaVax Inc

**Project Goal:** To prove the efficacy of RS and RP vaccines in swine and position Sirrah, LLC as a credible choice for an exclusive field of use license for economically important diseases of swine.

### **Executive Summary:**

Please provide a 300-500 word summary of the final results of the project (text only, 2500 character maximum), including the commercialization status.

This project represents the first time pigs have ever been vaccinated with replicon subunit (RS) or replicon particle (RP) technology. In order to evaluate the effectiveness of these vaccines in pigs we analyzed the antibody response of pigs vaccinated with RP and RS vaccines expressing the hemagglutinin protein of a human strain of influenza virus. The vaccinated pigs had an average antibody titer nearly 1000 times the level needed for protection from disease while the non-vaccinate controls remained antibody negative. These results indicate that RS and RP vaccines can successfully immunize pigs and induce high antibody titers. This proof of concept work supports further development and evaluation of RS and RP vaccines for economically important diseases of pigs including swine influenza virus (SIV), porcine reproductive and respiratory syndrome virus (PRRSV), and porcine circovirus 2 (PCV2).

This project has provided the positive results needed to allow an Iowa startup company to commercialize RS and RP vaccines for swine. Sirrah LLC was founded by Dr. Hank Harris (ISU professor Animal Science) in 2005. The Sirrah management team includes Dr. Harris (Founder and CTO), Dr. Erdman (Director R&D), Stuart Oxer (CFO), and Margaret Prahl (Legal Counsel) and has contributed nearly \$205K to the company. Sirrah is operating in the ISU Research Park and has 6 full time employees, including 2 PhDs, and will expand to 10 employees in the coming months. Based on the results of the project, Sirrah licensed key technology from ISURF and AlphaVax Inc, a human vaccine company in Research Triangle Park, NC. Convinced of the efficacy in swine, AlphaVax exclusively licensed RS and RP technology usage in pigs to Sirrah and has assisted in technology transfer from NC to IA. Sirrah completed exclusive licensure of ISURF #03284 describing the protective antigenic determinants of PRRSV and the basis for Sirrah's first product. Sirrah has started taking orders for RS vaccines and hopes to deliver product in July/August of 2007. These vaccines will be sold under vet-client-patient relationship (CFR107) which allows veterinarians to provide vaccines to animals under their care and prior to USDA licensure. Initial sales are to swine producers located only in Iowa, the top pig producing state in the US. To date Sirrah has sold 32,600 doses of RS vaccine at \$5 per dose totaling \$136,000. Sirrah is concurrently pursuing USDA licensure for RP vaccines to be completed by 2010.

### **External Funding:**

Please list all of the applications for external funding that you have applied for using the results from this GIVF project, including the status (awarded, denied, pending).

GIVF 2007, \$136,000 (pending) USDA SBIR Phase 1, \$80,000 (funded) IDED EVA, \$100,000 (funded) USDA Formula Funds, \$20,000 (funded)

### **Intellectual Property**

Please list any invention disclosures (ISURF number and one-sentence description) related to the project that existed PRIOR to the start of the project:

ISURF #03284, Identification of Protective Antigenic Determinants of Porcine Reproductive and Respiratory Syndrome Virus and Uses Thereof.

# Please list any invention disclosures (ISURF number and one-sentence description) that were made as a result of the project:

ISURF #03388, Farm Specific Animal Vaccines not Requiring Isolation of the Specific Infections Agent (partial relation to this project)

# Please indicate if you intend to file future invention disclosures related to this project (one-sentence description):

Future disclosures are planned that directly describe use of RS and RP technology for other significant diseases of swine including Porcine Circovirus 2, Haemophilus parasuis and Mycoplasma.

### **Publications and Presentations**

# Please list all publications and presentations (published or pending) that included the results of this research:

- 1. Viral replicon particles: a new technology for swine vaccines. Journal submission pending.
- 2. Immunogenicity of a virus like replicon particle expressing the influenza hemagglutinin protein in pigs. Ames, IA (2007).
- 3. Vaccines: Present and Future. Proc AASV, Orlando, FL. (2007).
- 4. Sirrah LLC: Innovative vaccines to improve animal health and productivity. VNI, Des Moines, IA (2006).
- 5. New vaccine technologies: review and research update. Swine Dis Conf, Ames, IA (2006).
- 6. Replicon particle co-expression of PRRSV GP5 and M proteins. Proc Int PRRS Symp, Chicago, IL (2006).
- 7. Immunization of swine with replicon particles: proof of concept. Proc Int PRRS Symp, Chicago, IL (2006).

### **Honors and Awards**

### Please list all honors/awards/special press/etc. related to this project.

2<sup>nd</sup> place Pappajohn business plan competition. Business plan includes the supporting results provided by this GIVF project.

### Protein Micropatterning on Microsensors to Quantify Cell Cytotoxicity of Adherent and Non-adherent Cells

PI: Surya Mallapragada

Company: Alan Moy, Cellular Engineering Technologies

Awards received: Big 12 Rising Star award, ISU Mid-Career Achievement in Research Award

External funding applied for (indicate received/denied/pending): NIH STTR grant (submitted April 2007)

Progress report (300 word maximum): We had originally planned to test microstamping appropriate proteins onto the surfaces of the sensors developed by Cellular Engineering Technologies. However, due to delays in fabrication of the sensors and their testing, we had been able to successfully test the microstamping of appropriate proteins only on polymer substrates. In addition, we have also used a protein ink-jet printer to print various proteins directly onto surfaces. Both these techniques give us the ability to selectively immobilize proteins in micron-sized dimensions. Recently, we received indium tin oxide (ITO) coated electrode substrates that we were able to also successfully test these techniques on. In addition, we have successfully developed silanization techniques to attach proteins to the ITO substrates. Using this technique, we have shown that CD34 antibodies can be attached to the ITO electrode substrates covalently, and verified this by atomic force microscopy. In addition, we have cultured CD34+ cells on these substrates and shown good attachment. Our collaborators at Cellular Engineering technologies are now investigating selective cell adhesion using mixtures of two different cell types. We will then pattern different proteins on different parts of the ITO electrodes to enable selective adhesion of different cell types on different regions of the same electrode. We have also submitted a NIH STTR proposal jointly with Cellular Engineering Technologies.

### Nanotechnology for Label-Free Detection of Pathogen-Specific Nucleic Acids

PI: Byron Brehm-Stecher

Companies: Bioforce Nanosciences

External funding applied for (indicate received/denied/pending): Pending SBIR for food safety applications of this technology.

Progress report (300 word maximum): Due to unforeseen changes in the intellectual property environment surrounding peptide nucleic acid (PNA) probes, we no longer have access to an assured supply of these key molecules. Therefore, we have modified our original PNA-based approach to include DNA-based probes arrayed to the surface of glass chips using Bioforce Nanoscience's NanoArrayer system. We have evaluated the binding behavior and signal-to-noise ratios for pathogen-specific oligonucleotides functionalized using several different chemistries, including thiol-, biotin- and amino-labled molecules. In addition to these oligonucleotide attachment chemistries, various means for functionalizing the glass array substrates have also been investigated, including nano-sputtered gold, streptavidin, 3-aminopropyltriethoxysilane (APTES) and Corning GAP II (another amino silane chemistry). It was found that the best attachment chemistry and highest signalto-noise ratio was given by amino-modified oligonucleotides attached to the array surface using APTES chemistry. A DNA oligonucleotide capture probe targeting the 16S rRNA of Salmonella was dual-labeled with an amino modifier at one end and fluorescein at the other end and arrayed to the surface of an APTES-functionalized slide. Arraying quality and extent was monitored via the green fluorescence of fluorescein. Two Cy3-labeled DNA probes, one complementary to the Salmonella capture probe and one containing a "nonsense" sequence, were used to assess capture probe functionality at the surface of the chip. After hybridization, the complementary probe bound to the surface of the array, while the "nonsense" probe did not, demonstrating selective, hybridizationmediated capture of the target sequence. A set of primers and probes designed to simultaneously detect multiple pathogens (toxigenic E. coli, Salmonella spp., Listeria monocytogenes and Staphylococcus aureus) was adapted from the literature and array-based capture probes specific for these four amplicons designed. The next phase of our work will involve assessing the abilities of these capture probes to selectively bind target amplicons from the multiplex PCR reaction.

### Development of Novel Digestion-Resistant Starches from Corn to Combat Human Disease

PI: Martha James, Alan Myers

### Publications/presentations based on project:

- 1) Poster presentation: October, 2006, Annual Meeting of the American Association of Cereal Chemists, San Francisco, CA; Claire Moallic, Alan Myers, and Martha James; Development of Novel Slowly Digestible Starches from Maize.
- 2) Oral presentation, May, 2007, ISU Plant Sciences Institute Board of Directors; Diane Birt and Martha James; Healthy Carbohydrates: Slow Release Cornstarch for Preventing Diabetes, Obesity, and Cancer.
- 3) Oral presentation May, 2007, Advanced Food for Health Symposium, Resistant/Slowly Digestible Starch, Ames, IA: Alan Myers, Development of novel, slowly hydrolyzed starches by genetic engineering of maize.

#### Awards received: None

### Invention disclosures:

1) Disclosure to ISURF, February, 2007: Short-chain amylopectin starch 1 (SCAPS1)

### External funding applied for (indicate received/denied/pending):

Denied: None

Received: USDA special grant to the ISU Center for Designing Foods to Improve Nutrition

PIs: Martha James, Suzanne Hendrich, and Alan Myers

Title: Production and characterization of new slowly digestible starches by genetic modification of specific starch biosynthetic enzyme activities in maize plants

Duration: July 1, 2007 - June 30, 2008

Award: \$30,000

Pending: None

### **Progress report:**

Significant progress was made in this period toward achieving project milestones. Characterization of physical and functional properties of the prototype long-chain amylopectin starch (LCAPS1) was completed. Three types of laboratory analysis confirmed LCAPS1 is digested more slowly (~60% the rate of normal starch) in both the raw and cooked states, which is important because starch typically is cooked when it's incorporated into food. Heritability of the slow digestion trait was confirmed by examination of LCAPS1 produced in plants grown in the winter nursery.

A larger scale wet-milling operation was performed, yielding 2 kg LCAPS1 starch for further testing. Starch-based food products were designed and a pudding-type food was selected for trials based on the nature and number of ingredients, ease of production, and palatability. LCAPS1 and control puddings were produced in the laboratory of ISU Food Scientist Dr. Terri Boylston and human feeding trials were conducted in the laboratory of ISU Food Scientist Suzanne Hendrich. In these trials, 30 male volunteers consumed a pudding made from LCAPS1, control B73 starch, or commercial cornstarch. Blood was drawn every 15 minutes over a two-hour time period. Unfortunately, blood glucose levels were not significantly different following consumption of LCAPS1-based pudding compared with the controls. Consequently, results of this particular *in vivo* test did not agree with results of the *in vitro* tests showing slower LCAPS1 digestibility. Possible problems to be addressed in the next research period include improper design of the food product, insufficient degree of retrogradation of the starch, or insufficient degree of change in the starch chain profile.

Two additional types of LCAPS plants were propagated in the winter nursery and *in vitro* analyses of their starch properties were initiated. These include plants homozygous for the maize *amylose* extender mutation in combination with LCAPS1 (generating LCAPS2) and plants homozygous for the maize *dull1* mutation in combination with LCAPS1 (generating LCAPS3).

Finally, Starch Design, LLC was organized in January 2007 to commercialize the new starches. A business consultant and an attorney were engaged for this start-up phase to assist in the formation of a business plan and licensing of intellectual property.

# Retooling Ethanol Industries: Integrating Ultrasonics into Dry Corn Milling to Enhance Ethanol Yield

PI: David Grewell Co-PIs: Samir Kumar Khanal and J (Hans) van Leeuwen

# Publications/presentations based on project: Journal Article:

Samir Khanal, Melissa Montalbo, J (Hans) van Leeuwen, Gowrishankar, Srinivasan and David Grewell, Ultrasound Enhanced Glucose Release from Corn in Ethanol Plants, *Biotechnology and Bioenegineering (in-press)*.

### **Conference Papers:**

Samir Kumar Khanal, Melissa Montalbo, J (Hans) van Leeuwen, Gowrishankar Srinivasan, David Grewell, Enhanced Glucose Release from Corn in Ethanol Plants by Ultrasonic Pretreatment, International Conference on "21st century challenges to sustainable agri-food systems, Biotechnology, Environment Nutrition, Trade and Policy" 15th- 17th March 2007 in Bangalore, India.

Samir Kumar Khanal, Melissa Montalbo, J (Hans) van Leeuwen, Gowrishankar Srinivasan, David Grewell, Ultrasonic Enhanced Liquifaction and Saccharification of Corn for Bio-Fuels, ASABE Annual International Meeting, 17-20 June 2007, Minneapolis, Minnesota.

Awards received: None Invention disclosures: None

### External funding applied for (indicate received/denied/pending): Typo in Ultrasonics career and Degradation

Status	Title	Sponsor	Amount	PI	Co-PI(s)
Pending	Spectroscopic Analysis during Lignocellulose	DOE	\$2,130,000	R. S. Houk	Dr. Edward Yeun, Dr. Tae
	Deg-radation by Ultrasonic and Ammonia				Hyun Kim, Dr. Nicola Pohl,
	Treatments				Dr. Klaus Schmidt-Rohr
Pending	Enhanced Enzymatic Digestibility of	DOT	\$526,508	D. Grewell	Mike Ladisch, Nathan
	Cellulosic Biomass for Bio-fuel Production				Moiser, Tae Hyun Kim
Pending	CAREER: Ultarsonic Enhancement of biofuels	NSF	\$517,839	D. Grewell	

### Progress report (300 words maximum):

As already noted, the use of ultrasonics enhanced the release of fermentable sugars from corn slurry. In order to gain insight into the fundamentals , experiments were conducted using the best ultrasonic pretreatment conditions identified to date; 20 s at 475 W/35 ml with enzymes and 40 s at 475 W/35 ml without the enzymes . The samples were then saccharified at various time intervals (initially 2 hours) up to 96 hours. As seen in Figure 1, the untreated sample (control) had a maximum glucose yield of 47 g/L and a reaction rate coefficient of 0.0519 1/h. In contrast, when treated for 40 s, the reaction rate coefficient was three –fold higher larger (0.186 1/h). In addition, the final sugar yield increased from 47 to 57 g/L, corresponding to 21% increase. A similar trend was also seen at the shorter treatment time (20 s with alpha and glucoamylase enzymes), where the yield was again increased but the rate was only slightly improved. There is no conclusive reason for the lower impact on the reaction rate at the lower power setting, but it is believed to be related to the lower energy intensity and cavitation.

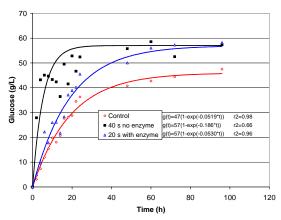


Figure 1 Glucose release as a function of saccharification time with various pretreatments

Selected samples were taken from these experiments prior to saccharification and characterized with SEM. Figure 2(a) shows intact starch crystals for the control group (no pretreatment). In contrast, at the same magnification, it is seen that with 20 s of treatment, there was some evidence of gelatinization where the crystals were grossly deformed. With 40 s of pretreatment (Figure 2(c)), there were no remaining crystal structures visible. It is important to note that the images were taken in an environmental SEM system that allowed imaging of wet samples. At this time, while it appears that the ultrasonic energy promotes gelatinization, additional tests, including DSC studies, are needed to confirm gelatinization. There is the possibility that the structure assumed to be gelatinized starch is dispersed protein.

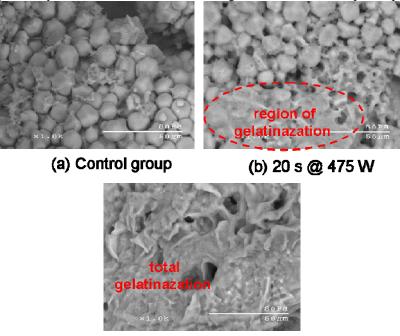


Figure 2 SEM images of starch from ground corn with various pretreatments (x1000)

(c) 40 s @ 274 W

In summary, the ultrasonic pretreatment appears to promote gelatinization, enhances the rate of starch to glucose conversion and increases the overall yield of sugar from starch. The project is on schedule with beta testing (at ISU) scheduled over the next 3-4 months.

### FY07 FUNDED PROJECTS

Update period: January 01, 2007 – June 30, 2007

Deignain al Laccation to a	Dunings Tists	ن A	Amount
Principal Investigator	Project Title	Awaru	Amount
Mary Holz-Claus	Corn-Biomass Composite Fuel Pellets: An Industry- University Partnership Ultrasonication in Soy Processing for Enhanced	\$	49,380
Samir Khanal	Protein and Sugar Yields and Subsequent Nisin Production	\$	81,977
Vikram Dalal	Collaborative Research on High Performance Stable Amorphous Silicon- Germanium Solar Cells	\$	63,406
Manjit Misra	Commercialization of a Continuous In-Line Flow Meter Commercializing New Fractionated Soy Proteins to	\$	74,480
Larry Johnson	Improve Human Health and Food Quality Development of Resistance and Low-Caloric	\$	167,717
Jay-Lin Jane	Maltodextrins from Cornstarch Ultrasonic Assisted Exfoliation of Bio-Renewable	\$	96,273
David Grewell	Polymer Nanocomposites with Micro-Cellular Structures	\$	72,681
Richard Larock	Commercialization of a Corn/Soy Oil-Based Composite Hog Feeder	\$	96,000
Robert Brown	Gasification Technologies in Support of Biorefineries Purification & Quality Enhancement of Fuel Ethanol	\$	132,247
Jacek Koziel	to Produce Alcoholic Beverages with Ozonation & Activated Carbon Converting Low Value Thin Stillage from Dry Milling	\$	81,848
Hand van Leeuwen	Ethanol Plans into High Value Fungal Biomass Designing corn lines with dietary fiber to produce	\$	82,070
Pamela White	ethnic foods with enhanced health benefits	\$	67,960
Suzanne Hendrich	Flaxseed lignans for health Role of complex carbohydrates from soybeans in	\$	66,960
Ruth MacDonald	inflammatory bowel disease  Development of Novel Gene Therapy Approach for Parkinson's disease by Targeting a Cleavage Site of a	\$	65,000
Anumantha Kanthasamy		\$	50,000
Don Reynolds	at Vet Med	\$	38,000

### High performance solar cells

PI: Vikram L. Dalal

### Publications/presentations based on project:

At ICANS in August 2007

Awards received: Iowa Energy Center

### External funding applied for (indicate received/denied/pending):

DOE-BES: Pending; NSF-will be sent in the September and October round; PRF-will be sent in September round; NSF-MRSEC-Preproposal sent to VP Research

### Progress report (300 word maximum):

We have continued our collaborative research with Powerfilm, Inc. of Boone, Iowa. The following describe the highlights of our research with them.

- 1. As we described in an earlier report, we succeeded in improving the current collection efficiency of Powerfilm devices by 14% by using different reflector from what they were using. They have changed the design of their back reflector to implement this improvement into production.
- 2. We had suggested in our proposal that alternative a-Si with lower bandgap may be a suitable material for use in Powerfilm devices. At that time, we only had preliminary data on film properties, not on devices. Now we have data on devices with the lower bandgap a-Si deposited using a different plasma condition than traditionally used for a-Si devices. The devices work well as PV devices, and thus we have proven our concept of using a lower bandgap a-Si.
- 3. We had suggested in the proposal that tandem junction cells with the new material, or with (Si,Ge), may be the approach towards higher efficiency than currently possible. Towards this end, we have started research on tandem junction devices. We have successfully deposited standard a-Si tandem junction cells in our reactor, which requires careful design of interfaces between the two cells. We have solved this interface problem, and can make devices with good fill factors and voltages. To make and analyze tandem cells, we had to add several new experimental setups to our laboratory, and we have done that. This preliminary work should be of great help in making the next generation of tandem cells for Powerfilm.

Thus, we are right on target for developing higher performance solar cells that Powerfilm can implement in production a few years down the line. They have already implemented one of our improvements.

### Corn-biomass Composite Fuel Pellets: An Industry-University Partnership

PI: Mary Holz-Clause

CoPI(s) Douglas Stokke, Daniel Burden

External funding applied for (indicate received/denied/pending): A USDA Rural Development Pass-Through-Loan-Guarantee application to assist the ongoing expansion of the fuel-stove production facility in Pella, IA, has been submitted by the Iowa Area Development Group.

### Progress report (300 word maximum):

A patent application regarding the architecture of the extrusion die has been applied for by LDJ, Landers Machine, and Gary Wobler under the name of Ag Pellet Energy. Additionally, a filing for patent-protection currently is underway on a 100 percent pellet processing system for both fuel and feed applications. Ag Pellet Energy and Landers Machine have introduced this concept to the ethanol industry and are forming a new company, Ag Fuel & Feed, which will be based in Iowa. The "100 percent DDG Pellet and Processing System" is designed to be located at or near ethanol plants. Marketing the technology as a system for sale to ethanol plants was initially proposed by the ISU Extension Value-added Agriculture Project.

Ag Pellet Energy is now focusing on their "100 percent DDG Pellet" to serve both the fuel and feed markets; with the fuel market changing from home and light-industrial application to large-scale power co-generation systems. In March, 2007, a test-burn was conducted at the Wisdom Station power plant, Spencer, Iowa, owned and operated by Corn Belt Power Cooperative, Humboldt, Iowa. The test burn consisted of mixing 10 percent of Ag Pellet Energy's DDG Pellets with 90 percent coal at the power plant. Although the plant did not achieve full generation output with the fuel blend, a reduction in emissions (percent opacity, which is the measurement of visual emissions coming out of the stack) was obtained.

Cattle feeding tests were conducted under contract with Dr. Dan Loy, Iowa State University, regarding the analysis of the palletized distillers' grains and examining systems for feeding and delivering them to cattle with positive results. Additional contract research with Dr. Loy is looking at market analysis for this product.

LDJ Industries, Pella, has experienced an ash build-up problem with their automatic-feed burner system in their residential light-industrial stove units. Based on testing lab data, this problem was unforeseen and deemed unlikely. However, they currently are considering a redesign of their burner system as well as simply abandoning the DDG-pellet product for the residential light-industrial stove application.

# Commercializing New Fractionated Soy Proteins to Improve Human Health and Food Quality

PI: Lawrence A. Johnson

CoPI(s) (name(s) only): Nicolas A. Deak

### Publications/presentations based on project:

American Oil Chemists Society annual meeting (Quebec City, Canada):

- Soy Protein Fractionation Using Gas-Supported Screw-Pressed Soybean Meal. (N. Deak and L. Johnson)
- Compositions and Properties of Gas-Supported Screw-Pressed Soybean Meal. (N. Deak, Z. Nazareth, and L. Johnson)
- Effects of Hydrogen Peroxide on Microbial Safety and Functionality of Soy Protein Isolates (N. Deak, N. Winsetel, and L. Johnson)
- Functional Properties of Soy Protein Isolates Made from Gas-Supported Screw-Pressed Soybean Meal. (Z. Nazareth, N. Deak, and L. Johnson)

### Awards received:

None

#### Invention disclosures:

ISURF filed for US patent on April 13, 2007.

### External funding applied for (indicate received/denied/pending):

No new applications

### Progress report (300 word maximum):

As reported in December, we completed the first two of five objectives of the grant (proof-ofconcept and scale-up, and process cost estimation). In the present reporting period, we focused on the third objective, to prepare a catalog of properties for our protein fractions and to compare those properties with those of existing protein products in the marketplace, which will be our competition. We have completed all of the compositional and functional tests and are evaluating and interpreting the results for the fractions produced in the pilot plant. The catalog will be completed by the end of August. We began to develop methods to test sensory (flavor) properties. During the previous reporting period, we provided large amounts of pilot-plant produced samples to SafeSoy Technologies (objective 4) and they have distributed them to TechnoSigma (Japan) and Cargill and they continue their evaluations. In addition, we have met with representatives of Proliant Inc., a wellknown Iowa food protein ingredients manufacturer, and discussed our fractionation procedures. Proliant Inc. is interested in learning more once we finish our catalog of properties. SafeSoy Technologies may need an experienced partner in producing protein ingredients and is exploring options to partner with Proliant and Solae. We are identifying potential new applications for these ingredients (objective 5) and developing testing protocols. SafeSoy Technologies continues to evaluate the marketplace and their competitive advantages. We made numerous presentations at international meetings describing our process and products to facilitate market development. We are preparing 5 journal manuscripts for the work conducted on the project. We are largely on or ahead of our proposed schedule and all of our results are confirming commercial potential.

### Gasification Technologies in Support of Biorefineries

**PI:** Robert C. Brown

Co-PIs: Francine Battaglia, Theodore J. Heindel

Publications/presentations based on project: none

Awards received: none

Invention disclosures: none

### External funding applied for (indicate received/denied/pending):

GOALI: CFD Modeling and Validation of Biomass Particle Injection in Fluidized Bed Gasifiers, Theodore J. Heindel, Francine Battaglia and John P. Reardon, National Science Foundation. Denied.

Fluidized Bed Modeling and Validation for Gasification and Pyrolysis, Robert C. Brown, Francine Battaglia and Theodore J. Heindel, ConocoPhilips, 04/01/2007-12/31/2007. Received.

### Progress report (300 word maximum):

Alternative bed materials are being investigated to find material that behaves similar to fluidized biomass. The goal is to use an alternative material to increase X-ray penetration and resolution to enhance flow visualization in a fluidized bed. An available 9.5 cm diameter fluidized bed was used for this study. Melamine plastic, ground walnut shell, and ground corncob particles were qualitatively compared to glass beads using X-ray computer tomography (CT) imaging and X-ray radiography. The various beds were compared at three different flow rates, and the ratio of superficial gas velocity to minimum fluidization velocity was constant for each bed material. X-ray CT imaging was used to provide a qualitative view of the local time-averaged solids concentration, and clearly showed differences in fluidization between the materials. Computational fluid dynamics (CFD) simulations were used to predict the fluidized bed behavior for glass beads and ground walnut shell, and were compared with the experimental data. Glass beads were used to validate the appropriate grid resolution for the CFD calculations because the material is well characterized in terms of coefficient of restitution and sphericity. Predictions of ground walnut shell were considered because the material fluidizes uniformly. However, walnut shell is not well characterized and factors such as particle sphericity, coefficient of restitution, and calibration of drag coefficients were investigated to determine appropriate parameters to model walnut shell.

Radiographic images from the experiments and corresponding void fraction contours from the simulations qualitatively agreed for the glass bead hydrodynamics, and the mean bed expansion height was in excellent quantitative agreement. The coefficient of restitution study for the walnut shell particles showed that there was no significant difference in the predicted hydrodynamics of the fluidized bed for values between 0.75 and 0.95. The sphericity study showed that as sphericity increases, the bed fluidized more uniformly. It is postulated that irregular shaped particles may agglomerate during fluidization.

A 10.1 cm diameter fluidized bed with capabilities for single particle injection from a side port will become operational in the next 2 months. This new fluidized bed will be used for single particle tracking studies using X-ray stereography, as well as further void fraction studies using CT imaging. Further numerical studies will also be completed and quantitative comparisons will be made between the numerical and experimental data.

### Designing corn lines with dietary fiber to produce ethnic foods with enhanced health benefits.

PI: Pam White, Linda Pollak and Sue Duvick

### Publications/presentations based on project:

Awards received:

Invention disclosures:

### External funding applied for (indicate received/denied/pending):

Hendrich, S., P.J. White, and L.M. Pollak, Screening System for Digestion-Resistant Starch. USDA Special Grants Program. Center for Designing Foods to Improve Nutrition, ISU. \$30,000 funded through 2008.

Hendrich, S., P.J. White, and L.M. Pollak, Screening System for Digestion-Resistant Starch: Effects on Human Fecal Microbes and Short-chain Fatty Acid Production, ISU Plant Sciences Institute. \$50,000 funded through 2009.

White, P.J., J.-L. Jannink, and N. Yao. β-Glucan Structure and Interactions Modulate Physicochemical, Physiological and Sensory Functions of Oats. USDA National Research Initiative, Competitive Grants Program. \$495,229 funded through 2010.

J.-L. Jannink, P.J. White, M.P. Scott, K. Moore, R. Wise, and O. Anderson. Association genetics of β-glucan metabolism to enhance oat and barley germplasm for food and nutritional function. USDA National Research Initiative, Competitive Grants Program. \$500,000 funded through 2011.

### Progress report (300 word maximum):

This study aims to develop corn lines with a high concentration of resistant starch (RS) as a dietary fiber that may help control obesity, type II diabetes and gut health, and with quality attributes resembling those of current Latin American corn lines used for Hispanic food products. Resulting corn lines will be used to create healthful food products targeted to the Latin American community. The corn currently being examined is the result of crosses between exotic and high RS Corn Belt lines, aimed to incorporate both the RS and native exotic food quality characteristics. The corn lines are in various stages of growth and development. Some lines were grown in Puerto Rico during Winter 2006-07 and are now being screened to determine RS content. Other lines are being grown during Summer 2007. A procedure for extracting the corn starch and determining the RS percentage has been determined by using the Megazyme Resistant Starch Kit. Analyses of various standards, including commercial high amylose (has high amount of RS) corn starch and normal corn starch, have been completed. These standards also have been analyzed on an instrument called a differential scanning calorimeter, which precisely measures heating characteristics of starches, including a measure of the RS. These standard measurements will be used for later comparison with the exotic crosses. We will be looking at differences between gelatinized (cooked) and ungelatinized starch and the effect of gelatinization on the RS percentage. In the coming months we will complete the initial screening, select the high RS corn lines for further characterization, and finally select lines to use in foods. We also will evaluate attributes present in the corn used in targeted Latin American foods. The last step will be to create a representative Latin American food product that is high in RS.

### Development of Resistant and Low-caloric Maltodextrins From Cornstarch

PI: Jay-lin Jane

Publications/presentations based on project: 1

Invention disclosures: 1

External funding applied for (indicate received/denied/pending):

Grow Iowa Values Funding for 2008-09: denied.

### Progress report (300 word maximum):

Novel technologies for producing resistant and low-caloric maltodextrins have been developed. Using these technologies, resistant and low-caloric maltodextrin products displaying 50% and greater enzyme resistance have been produced in the laboratory. Products made during the period between January and June, 2007 showed enzyme-resistance ranged from 51% to 97% and the water solubility ranged from 84% to 95%. The weight-average molecular weights of these products ranged from 10<sup>3</sup> to 10<sup>5</sup> Da. These products had white to yellowish color and slight off-flavor. The production process has been successfully scaled-up to kilogram size.

Structures of these and other resistant maltodextrin products have been studied using  $^{13}$ C nuclear magnetic resonance ( $^{13}$ C-NMR) spectroscopy. The glycosidic linkages of the laboratory- and commercial-products were characterized on the basis of chemical shifts reported in the literature. Anomeric configurations of the glycosidic linkages in addition to the locations of the linkages, including  $\alpha$ -( $1\rightarrow$ 2),  $\beta$ -( $1\rightarrow$ 2),  $\alpha$ -( $1\rightarrow$ 3),  $\beta$ -( $1\rightarrow$ 3),  $\alpha$ -( $1\rightarrow$ 4), and  $\alpha$ -( $1\rightarrow$ 6), have been identified for those products. Alpha and beta configurations can not be differentiated using a traditional methylation method. A 2D NMR combined with enzymatic hydrolysis will be carried out to further understand the structures of the resistant maltodextrins.

One resistant maltodextrin produced in the PI's lab and two developed by Grain Processing Corporation will be tested for their effects on blood glucose response and fermentability in 20 human subjects during July-August 2007. Human subject-study approval has been obtained from ISU, and subjects are being recruited. Final product testing on the resistant maltodextrin developed in the laboratory is being completed by Grain Processing Corp. in early July 2007.

### Commercialization of a Corn/Soy Oil-Based Composite Hog Feeder

PI: Distinguished Professor Richard C. Larock

### Publications based on project:

Lu, Y.; Larock, R. C. "Fabrication, Morphology and Properties of Soybean Oil-Based Composites Reinforced with Continuous Glass Fibers", Macromol. Mater. Eng. 2007, submitted.

Henna, P. H., Larock, R. C. "Rubbery Thermosets Prepared by Ring Opening Metathesis Copolymerization of a Functionalized Castor Oil and Cyclooctene", Macromol. Mater. Eng. 2007, submitted.

### Presentations based on project:

Larock, R. C. "Development of Novel Plastics from Agricultural Oils," Consortium for Plant Biotechnology Research, Washington D.C., February 13, 2007.

Larock, R. C. "Adventures in Biopolymers, Iodine Cyclizations, and Palladium Annulation and Migration Chemistry," First University of Nevada at Reno Chemistry Graduate Student Association Distinguished Lecture Award, Reno, Nevada, February 16, 2007.

Larock, R. C. "Novel Bioplastics and Composites from Natural Oils," Ag-West Bio and National Research Council Plant Biotechnology Institute Third Plant Bio-Industrial Oils Workshop, Saskatoon, Saskatchewan, Canada, February 27, 2007.

Henna, P. H.; Larock, R. C. "Rubbery Thermosets Prepared by Ring Opening Metathesis Copolymerization of a Functionalized Castor Oil and Cyclooctene", 233th American Chemical Society national meeting, March 25-29, 2007.

Larock, R. C. "Adventures in Biopolymers, Iodine Cyclizations, and Palladium Annulation and Migration Chemistry," Tohoku University, Sendai, Japan, May 23, 2007.

Larock, R. C. "Adventures in Biopolymers, Iodine Cyclizations, and Palladium Annulation and Migration Chemistry," Okayama University, Okayama, Japan, May 29, 2007.

Larock, R. C. "Novel Bioplastics and Composites from Natural Oils", 234th American Chemical Society national meeting, Boston, Massachusetts, August 21, 2007.

Valverde, M., Larock, R. C. "Free Radical Synthesis of Rubbers Made Entirely From Highly Unsaturated Vegetable Oils and Derivatives", 234th American Chemical Society national meeting, Boston, Massachusetts, August 19-23, 2007.

Awards received: N/A

### **Invention disclosures:**

Larock, R. C.; Lu, Y. S. "Bio-based Thermoset Plastic Composite Materials and Methods of Making Same", U.S. patent application 60/839,918 (2006).

Larock, R. C.; Henna, P. H. "Ring Opening Metathesis Polymerization of Vegetable Oils", ISURF Disclosure, (2007).

### External funding applied for:

"Development of Bioplastic Composites Using Ag Co-product Fillers", Iowa Biotechnology Consortium-USDA, 9/1/06-8/31/07, funded.

"Biorenewable Composites Reinforced with Under-used Co-products from Ethanol Production", Recycling and Reuse Technology Transfer Center, University of Northern Iowa, 7/1/07-6/30/09, funded.

"Novel Renewable Bio-based Rubber Composites from Plant Oils and Agricultural Co-products", Iowa State University, Plant Sciences Institute, 7/1/07-6/30/09, funded.

"Development and Commercialization of Soy/Corn/Linseed Oil Bioplastics", Consortium for Plant Biotechnology Research, pending.

"Practical Waterborne Agricultural Oil-based Coatings", Consortium for Plant Biotechnology Research, pending.

"Novel Waterborne Coatings from Renewable Resources", Nine Sigma, pending.

"Vegetable Oil Copolymers to Replace Petroleum-Based Matrices in Thermosetting Composites", NIST- ATP, pending.

"Pultruded Window Frames from Agricultural Oils", Grow Iowa Values Fund, denied.

**Progress report (300 word maximum):** During the last six months, we have made great progress on this project. Our work has focused on optimization of 1) the composition of the vegetable oilbased resin, 2) the ratio of the resin and glass fibers, and 3) the processing conditions, such as cure time, temperature, pressure, etc. So far, we have successfully prepared some very hard composites from several different resins (for example, 50 wt % soybean oil, 25 wt % styrene and 20 wt % divinylbenzene or 25 wt % soybean oil, 25 wt % linseed oil, 28 wt % styrene and 20 wt % divinylbenzene) reinforced with 45-55 wt % glass fibers. The tensile strength and Young's modulus are in the range 100-130 MPa and 2.5-5.0 GPa, respectively. These properties meet the requirements for a viable hog feeder. We have also dramatically shortened the cure time of the composites from 24 hr to 10-20 min, with no reduction in the thermal and mechanical properties. These times are much more suitable for a commercial molding process. In addition, the BF<sub>3</sub> initiator content has been decreased from 5 to 3 wt %, again with no loss in properties. Additional issues, such as molding pressure, shelf life of the product, resin stability at room temperature, and pricing of the resin and composites are being investigated.

Promising new biocomposites from a different tung oil-based resin reinforced with different loadings of DDGS and spent germ (40 to 60 wt %), the by-products from dry and wet mill ethanol

processes, respectively, have also been successfully prepared. These biocomposites exhibit a significant increase in their mechanical properties and thermal stabilities. For example, using spent germ as a filler, the Young's modulus of the resulting composites range from 196-867 MPa and the tensile strengths are in the range 5.0-16.0 MPa. The flexural modulus and flexural strengths are in the range 290-1300 MPa and 5.5-25.0 MPa, respectively. Additional properties are being investigated.

### Commercialization of a Continuous In-Line Flow Meter

PI: Manjit K. Misra

Co-PIs: Yuh-Yuan Shyy, Alan Gaul

**Invention disclosures:** Already patented

### Progress report (300 word maximum):

A prototype of the flowmeter was installed and tested in the ISU seed conditioning facility. The test apparatus consists of the prototype, a bucket elevator, a 45-bushel holding bin, calibrated slide gate for flow rate control, two way sample diverter valve, and a PC-based data logger. Seed was recycled from the holding bin to the slide gate, through the flow meter, elevator and then back to the bin during continuous operation. Seed samples were collected and weighed at periodic intervals for comparison with flow meter totalized data. A Visual Basic program was developed for collecting the real-time data from the load cell via the data acquisition board.

Load cell calibration at five different standard weights showed that the readings were repeatable and accurate (R<sup>2</sup>=0.999 and Error=+-0.13%). The suspension system was also redesigned to reduce the stress and residual force at the end of operation, resulting in substantially better raw data quality.

Prior to the above tests, the unit was first calibrated in the laboratory by using a 20-pound hopper and vibration conveyer with an electronic speed control. Both seed corn and soybean were used for the testing, with no obvious internal flow pattern differences and reasonably accurate total weights for each seed type. The unique configuration of flow meter averaged seed weight during measurement, reducing subsequent software based error-reduction.

Seed corn results indicated that seed flows smoothly throughout the system with a maximum capacity of approximately 50 Bu/hr. The data will be compared with real-time samples, and the calibration equation will be generated for predicting the mass flow and total weight.

This unit is ready for demonstration to potential customers for licensing. A meeting has been scheduled with the manufacturing partner to discuss fabrication of a large scale unit (4-inch diameter with 500 Bu/hr capacity) and testing at their facility.

### Flaxseed Lignans for Heart Health

PI: Suzanne Hendrich

**Progress report (300 word maximum):** Tablet formulations have been developed for the 3 supplements (placebo and 2 lignan doses) and tablets are being prepared. Human subjects approval has been obtained and subjects are being recruited according to the approved inclusion/exclusion criteria. The first cohort of 30 subjects is expected to begin the trial in August 2007, with study completion by March 2008.

# Converting Low Value Thin Stillage from Dry Milling Ethanol Plants into High Value Fungal Biomass

PI: J.(Hans) van Leeuwen

### 1. Publications/presentations based on project:

Sindhuja, S., Khanal, S.K., Pometto, A.L. and Van Leeuwen, J. (2007) Sindhuja, S., Khanal, S. K., Pometto, A. L. and Van Leeuwen, J. (2007) Use of microfungi for wastewater treatment and production of high value fungal by-products: A review. *Critical Reviews in Environmental Science and Biotechnology*. (by invitation, in press).

Rasmussen, M., Kambam, Y., Khanal, S. K., Pometto, A. L. and Van Leeuwen, J. (2007) Thin stillage treatment from dry grind ethanol plants with fungi. ASABE Annual International Meeting (AIM), Jun 17-20, Minneapolis, MN.

**Awards received:** Not yet

#### Invention disclosures:

ISURF #03387 "Purification of Thin Stillage from Dry Corn Milling with Fungi" This was covered by a provisional patent until last month and a regular patent application was submitted in June 2007, now patent pending.

### External funding applied for (indicate received/denied/pending):

Developing an alternative methodology for stillage treatment and resource recovery based on fungal cultivation, GIVF with Poet assistance – denied

Developing an alternative methodology for stillage treatment and resource recovery based on fungal cultivation, Biomass Research and Development Initiative USDA/DoE \$800,000 with \$200,000 cofunding from Poet - pending

Developing an alternative methodology for Poet's BPX and BFRAC stillage treatment and resource recovery based on fungal cultivation, Poet \$300 to \$400k - pending

### Progress report (300 word maximum):

Bioreactors were operated to treat thin stillage, the centrate of the distillation leftovers from a drygrind ethanol plant, Lincolnway Energy with fungi. The aerated reactors were inoculated with spores of *Rhizopus oligosporus*. Mycelial growth was visible within two days after inoculation. By day 3, the 5-L vessel filled with fungal biomass. The total organic concentration of the thin stillage, characterized as chemical oxygen demand (COD) of 94 g/L, was lowered by 77%, after four days of batch fermentation. Continuous operation could achieve 93% COD removal. Total suspended solids in the samples decreased from 30 to less than 0.1 g/L. Water from thin stillage could be recovered without evaporation, in contrast to current technology, with less loss.

Initial tests were conducted with an airlift reactor, in which the bubbled air itself causes the water and fungi to rise in a draft tube inside the reactor with continuous water recycle in the annulus between the reactor wall and the draft tube. This was done in order to satisfy the oxygen requirements more rapidly. This caused the fungi to grow to large densities within two days and also to grow into pellets, which are denser and readily harvested with mesh screens. It is now possible to operate the reactor with a shorter fungal biomass retention time than the water retention time, facilitating better air transfer and higher production rates.

### Ultrasonication in Soy Processing for Enhanced Protein and Sugar Yields and Subsequent Nisin Production

PI: Samir Kumar Khanal

### Publications/presentations based on project:

Karki, B\*., Lamsal, B. P., Grewell, D., Van Leeuwen, J. and Khanal, S. K. Ultrasonication in soy processing for

enhanced protein and sugar yields and subsequent bacterial nisin production. ASABE Annual International

Meeting (AIM), Jun 17-20, Minneapolis, MN.

Awards received: N/A

### **Invention disclosures:**

Ultrasonication in soy processing for enhanced protein and sugar yields and subsequent nisin production [US Provisional Patent No. 60/914,502].

External funding applied for (indicate received/denied/pending): N/A

### Progress report (300 word maximum):

Several batch sonication experiments were conducted using defatted soybean flakes under controlled temperature conditions. The particle size of sonicated sample decreased by nearly 10 to 15-fold with respect to control at 100% amplitude. The particle size reduction was proportional to power level. The analyses of extract with ultrasound pretreatment under controlled temperature conditions showed improvements in protein yield by 43% and sugar release by 45% with respect to control. These tests showed that temperature did not have significant effect on protein and sugar yields. The effect of sonication on various functional properties of soy protein isolates was also examined. Some preliminary results for ultrasonic treatment at 25% amplitude for 30, 60 and 120 s are presented here. The protein solubility profiles for sonicated and unsonicated (control) soy protein isolates (SPI) were examined. The solubility profiles of all SPIs were typically V-shaped curves with better solubility at either side of protein's isoelectric pH. The samples sonicated for 30 and 120 s at pH 7.0 had protein solubility higher than the controls. The increased solubility of the sonicated SPI over the control was attributed to the production of soluble peptides and increased number of exposed ionizable amino and carboxyl groups during sonication and extraction. The rheological flow behavior was measured using 10% (gram protein/gram water) dispersion. In order to observe the rheological behavior of the sonicated SPI over control, we determined the apparent viscosity profile as a function of shear rate applied. For all samples, increased shear rate was accompanied by decreased viscosity, which was attributed to rearrangement of the molecules in an ordered state and/or to destruction of the original structure. Research is currently underway to examine other important functional properties (e.g. emulsifying properties, protein profile, gel hardness etc.). Evaluation of these functional properties is extremely important to ascertain that ultrasound treatment does not affect the food properties of extracted proteins adversely.

# Role of Complex Carbohydrates on Colon

PI: Ruth MacDonald

**Progress report (300 word maximum):** The goal of the project is to develop a suitable animal model and tissue markers to investigate the role of dietary carbohydrates in colon cell physiology. To address this goal, we have undertaken a series of animal feeding trials using soy-based products. The animal trials have been completed and we are in the process of analyzing tissue samples. In one model, we induced inflammation in the colon that would be similar to that observed in humans with inflammatory bowel disease. The tissues from these animals are being studied for specific markers of tissue damage and changes in cell physiology to determine if the dietary components protected the cells from the insult. We are working on tools to examine cellular changes in the colon of these animals and identifying appropriate biomarkers.

Our long-term goal is to develop a model that will allow us to study a variety of dietary supplements, foods and food ingredients that may be protective of the colon. We anticipate that this model will be suitable for pre-clinical trials of these novel components such that we can work with companies that are developing products for humans.

# Development of a Novel Gene Therapy Approach for Parkinson's Disease by Targeting a Cleavage Site of a Proapoptotic Kinase

PI: Anumantha G Kanthasamy

**Invention disclosures:** In addition to the progress below, we have also formed a small startup company called PK Biosciences. This will foster our efforts to commercialize this and other novel technologies.

## Progress report (300 word maximum):

As proposed, we began examining the neuroprotective effect of lentiviruses coding for the PKCδ cleavage motif triplet peptides QDAM<sub>3</sub>, DMQD<sub>3</sub> and DMQA<sub>3</sub> in cell culture and animal models of Parkinson's disease. First, we cloned the PKCδ cleavage site sequence in QDAM<sub>3</sub> in LentiTopoV5 vector and then generated lentiviruses coding for the QDAM<sub>3</sub> triplet peptide. LacZ was used as a negative control. To determine the transduction efficiency of the lentiviruses coding for LacZ and QDAM<sub>3</sub>, N27 cells were transduced with different titers. Immunocytochemical analysis revealed >80% transduction efficiency. Lentiviruses coding for DMQD<sub>3</sub>, and DMQA<sub>3</sub> but not QDAM<sub>3</sub> were found to be protective against MPP+-induced proteolytic activation and cell death, confirming their neuroprotective effect in cell culture models of Parkinson's disease.

Next we tested the efficiency of lentiviral vectors in animal models. The lentiviruses coding for LacZ were injected stereotaxically into the substantia nigra (SN). Three or 7 days after injection, the mice were sacrificed, and SN were removed and processed. Immunocytochemical analysis revealed weak expression levels of LacZ. To improve the transfection efficiency in the brain, we tested Adeno Vector AAV2-1CMVeGFP from the Gene Transfer Vector Core (GTVC) facility (University of Iowa). However, adenoviral-mediated delivery into the mouse SN also resulted in low expression. Although these viruses are efficiently transduced in cell culture studies, it appears that the effectiveness of these vectors in animal brain is suboptimal. We also cloned DMQD<sub>3</sub> and DMQA<sub>3</sub> into BamH1 and Mlu1 sites in the PLVPT-tTR-KRAB vector obtained from Addgene.org. This inducible vector has been successfully used for long-term expression of recombinant proteins in the CNS in a tetracycline-regulatable manner without producing toxicity. We have produced the viruses coding for the LacZ, DMQD<sub>3</sub>, DMQA<sub>3</sub> and QDAM<sub>3</sub> in HEK 293-FT cells and are currently examining their efficiency in cell culture models before proceeding to animal PD models.

# Purification and Quality Enhancement of Fuel Ethanol to Produce Industrial Alcohols with Ozonation and Activated Carbon

PI: Jacek Koziel

## Publications/presentations based on project:

(1) Purification and Quality Enhancement of Fuel Ethanol to Produce Industrial Alcohols with Ozonation and Activated Carbon (2007 ASABE Annual International Meeting, Minneapolis, MN June 2007) (2) Purification of Alcohol with Ozonation and Activated Carbon (Institute for Food Safety and Security symposium, Ames, IA April 2007, Air & Waste Management Association Iowa Chapter meeting, Des Moines, IA March 2007, Biorenewable Resources and Technology Research Symposium, Ames, IA April 2007, and Iowa Renewable Fuels Association meeting, Ames, IA March 2007).

Awards received: Grand Prize for Research from the American Association of Environmental Engineers, May 2007

Invention disclosures:

External funding applied for (indicate received/denied/pending):

**Progress report (300 word maximum):** We are testing a novel approach utilizing ozone gas and granular activated carbon (GAC), to purify fuel grade ethanol to industrial, pharmaceutical and beverage grade. This process replaces traditional distillation or chemical synthesis. Ozone gas is used to react with volatile organic impurities that could be of health concern and/or impart unpleasant tastes and odors.

The following was accomplished since the last report:

- Industrial partners (Dr. Hans van Leeuwen and Rick Wood, MellO3z) have been very active in providing in-kind contributions with their expertise. Rick Wood has started survey of ethanol industry.
- Ozone removed or reduced particular compounds from ethanol samples effectively. However, there was removable limitation by simple ozonation.
- Ozone could produce ozonolysis byproducts. However, with high dosage of ozone, even some ozonolysis products were oxidized again and removed by ozone itself.
- The efficiency of ozone treatment depended on the purity of ethanol sample. It was easy to purify high contaminated ethanol while it was hard with low contaminated ethanol. However, ozone removed some particular compounds which are of health concern very effectively from both ethanol samples.
- Water contain was required to make ozonation effective. Ozone did not work on 200 proof ethanol samples.

The following was continued research from the last report

• The pure feed gas providing setup improved ozone gas quality significantly. However, it was also found that the ozone generator produced impurities in ozone gas during the ozone generating process. To improve ozone gas quality, a new ozone generator was introduced, which is consisted of less ozone reactive materials. Also, our original ozone generator was designed. It is consisted of only non-ozone reactive materials such as stainless steel, glass, and PTFE. It is expected that purer ozone gas provides more precise data of the purification efficiency.

# Ultrasonic Assisted Exfoliation of Bio-Renewable Polymer Nanocomposites with Micro-Cellular Structures

**PI:** David Grewell

CoPIs: Michael Kessler, Howard Van Auken

# Publications/presentations based on project:

#### **Journal Article:**

Maria Vlad, Gowrishankar Srinivasan, David Grewell, *Improvement of the mechanical properties of soy protein isolate based plastics through formulation and processing*, International Polymer Processing Journal, In Press.

## **Conference Papers:**

Maria Vlad, Gowrishankar Srinivasan, David Grewell, Improvement of the mechanical properties of soy protein isolate based plastics, *Proceedings of the 65<sup>th</sup> Annual Technical Conference for the Society of Plastics Engineers* (2007), Society of Plastics Engineers, Brookfield, CT

Gowrishankar Srinivasan, Michael Kessler, David Grewell, Casting of Zein Protein Polymers, *Proceedings* of the 65<sup>th</sup> Annual Technical Conference for the Society of Plastics Engineers (2007), Society of Plastics Engineers, Brookfield, CT

David Grewell, Maria Vlad, Gowrishankar Srinivasan, Improvement Of The Mechanical Properties Of Soy Protein Isolate Based Polymers, The Polymer Processing Society 23rd annual meeting, Salvador, Brazil, May 27-31, 2007

# Magazine articles:

David Grewell, Mike Kessler, Maria Vlad, Gowrishankar Srinivasan, *Enhancing Plastic from Naturally Occurring Proteins*, Submitted November 2006, SPG Media Group PLC, Brunel House, London W2 1LA, UK

David Grewell, Michael Kessler, and William Graves, *Protein-based Plastics and Applications*, Bioplastics Magazine, Issue 02/2007 (June).

**Awards received:** None **Invention disclosures:** None

## External funding applied for (indicate received/denied/pending):

Status	Title	Sponsor	Amount	PI	Co-PI(s)
	Degradable pots for plants	Horticultural		William	David Grewell
Funded		ResearchInstitute	\$14,000	Grave	
Pending	Protein plastics and application development	USDA-CSREES	\$416,875	D. Grewell	Mike Kessler, Deland Myers

# Progress report (300 words maximum):

For Zein-based plastic, it was observed that moisture absorption increased with immersion time. However, an unexpected phenomenon of fluctuation in water uptake was observed with both concentrations of nanoclay formulations. It was observed that, initially, water absorption was negative and generally remained relatively low and in some cases remained negative (Figure 1). A possible hypothesis for this observation was that the exfoliated nanoclay distribution acted as a diffusion barrier preventing water from diffusing into the samples.

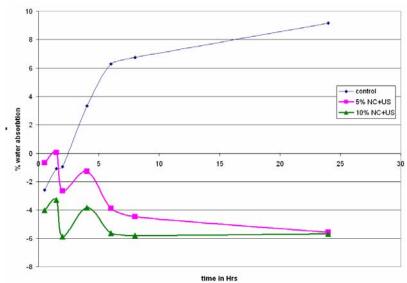


Figure 3 Water absorption by zein sheets (control and nanoclay sheets).

It is further theorized that un-mixed glycerin and ethanol near the surface of the sample dissolved in the water, accounting for the loss in mass. This was based on the observation that the distilled water used for steeping, when evaporated resulted in Langmuir monolayer diffraction patterns on the vessel wall which were believed to be produced by the residuals.

A sprayable formulation of zein protein was developed during this period of the project. Based on discussions with Vermeer Corporation (Co-sponsor of this project), the properties of the final film would likely meet the requirements for hay bale warping. The films are water resistant, non-toxic to cattle and will supplement cattle feed as a source of protein. In August, bales will be coated at Vermeer's test site for beta testing. The tests will involve coating full size bales and visual inspection on a routine basis for film and hay degradation. This task of the project is on schedule.

Several formulations for the replacement of petrochemical plastics of Creative Composites' (Co-sponsor of this project) "lub-sticks" have been developed and characterized. The formulations are injection moldable and relatively strong. However, the compositions are unstable during processing, often resulting in phase separation of the various ingredients. In addition, the tensile strength (1.6 MPa) of the various formulations does not meet the product specifications (~7 MPa). Thus, additional formulations are being developed and characterized. This has prevented initiating prototype testing, resulting in the project being approximately 2 month behind schedule.

# Modular BL3 Facility

PI: Don Reynolds

External funding applied for (indicate amount & received/denied/pending): Kellogg Foundation - \$1 million / Denied

# Progress report (300 word maximum):

To date, \$10,785 has been spent on the planning of the BL3 modular laboratory. This planning has resulted in various sites being considered for the BL3 at the VMRI and at the Vet Med complex. It has been revealed that VMRI is at capacity with regard to utilities and adding more facilities is not possible without major expansion of infrastructure which is beyond the scope of this project. The sites located near the Vet Med complex are being considered and planning is under way in preparation for an upcoming CPC meeting.

# Commercializing New Fractionated Soy Proteins to Improve Human Health and Food Quality

PI: Lawrence A. Johnson

CoPI(s) (name(s) only): Nicolas A. Deak

## Publications/presentations based on project:

American Oil Chemists Society annual meeting (Quebec City, Canada):

- Soy Protein Fractionation Using Gas-Supported Screw-Pressed Soybean Meal. (N. Deak and L. Johnson)
- Compositions and Properties of Gas-Supported Screw-Pressed Soybean Meal. (N. Deak, Z. Nazareth, and L. Johnson)
- Effects of Hydrogen Peroxide on Microbial Safety and Functionality of Soy Protein Isolates (N. Deak, N. Winsetel, and L. Johnson)
- Functional Properties of Soy Protein Isolates Made from Gas-Supported Screw-Pressed Soybean Meal. (Z. Nazareth, N. Deak, and L. Johnson)

#### **Invention disclosures:**

ISURF filed for US patent on April 13, 2007.

## Progress report (300 word maximum):

As reported in December, we completed the first two of five objectives of the grant (proof-ofconcept and scale-up, and process cost estimation). In the present reporting period, we focused on the third objective, to prepare a catalog of properties for our protein fractions and to compare those properties with those of existing protein products in the marketplace, which will be our competition. We have completed all of the compositional and functional tests and are evaluating and interpreting the results for the fractions produced in the pilot plant. The catalog will be completed by the end of August. We began to develop methods to test sensory (flavor) properties. During the previous reporting period, we provided large amounts of pilot-plant produced samples to SafeSoy Technologies (objective 4) and they have distributed them to TechnoSigma (Japan) and Cargill and they continue their evaluations. In addition, we have met with representatives of Proliant Inc., a wellknown Iowa food protein ingredients manufacturer, and discussed our fractionation procedures. Proliant Inc. is interested in learning more once we finish our catalog of properties. SafeSoy Technologies may need an experienced partner in producing protein ingredients and is exploring options to partner with Proliant and Solae. We are identifying potential new applications for these ingredients (objective 5) and developing testing protocols. SafeSoy Technologies continues to evaluate the marketplace and their competitive advantages. We made numerous presentations at international meetings describing our process and products to facilitate market development. We are preparing 5 journal manuscripts for the work conducted on the project. We are largely on or ahead of our proposed schedule and all of our results are confirming commercial potential.

## IOWA STATE UNIVERSITY BATTELLE UPDATE

#### **AUGUST 2007**

#### **ENDOWED CHAIRS PROGRAM**

Of the \$2 M allocated for matching funds (\$1public:\$2private) for endowed chairs, \$500,000 in matching funds will be added to \$1M in private gift funds received in April 2007 to create the W. Eugene Lloyd Chair in Toxicology in the College of Veterinary Medicine. The College has not appointed a faculty member to this chair and no expenditures have been made from the endowment.

Numerous proposals for endowed chairs related to the Biorenewables area are pending and matching dollars have been discussed with the donors on a first to be funded will be the first qualified for matching basis.

Commitments on these proposals are expected during the fall to utilize the remaining matching funds.

#### ANIMAL SYSTEMS PLATFORM

Platform Chair: Max Rothschild

#### **PROJECT GRANTS**

Title: Large Animal Genomics Models for Animal and Human Health:

Pig model for bone health

PI(s): Max F. Rothschild

# Publications/presentations based on project:

An abstract was submitted to International symposium on Animal Genomics for Animal Health that will be held in Paris during 23-25 October 2007.

# SNP DISCOVERY IN GENES AFFECTING LEG HEALTH TRAIT IN PIGS

O.SUNEEL KUMAR, B. FAN, B. MOTE AND M.F. ROTHSCHILD

Department of Animal Science and Center for Integrated Animal Genomics, Iowa State University, Ames, IA 50011, USA

Sow longevity and mortality is often influenced by moderate to severe lameness issues. It has been reported that up to 44 percent of sows have locomotive problems. To date few genome scans or association studies have be conducted to look at genes controlling lameness and other gait issues. In addition to health problems associated with leg and bone disorders the pig has been suggested to be a possible good model for human bone disorders including osteoporosis which is defined as a systemic skeletal disease characterized by loss of bone strength and deterioration of bone micro architecture that often results in fractures. It is a common disease in aged men and women due to chronic corticosteroid use and menopause respectively. Although many bone studies have focused on calcium, phosphorus homeostasis is also a key factor for bone strength. Hence, the present study has

initially focused on over 53 porcine genes affecting phosphorus metabolism and other candidate genes for SNP discovery. A total of over 188 SNPs have been identified to date. These SNPs are being investigated for their associations with gait and locomotion problems in a set of nearly 2067 commercial pigs scored for various leg and locomotion traits.

Awards received: None Invention disclosures: None

External funding applied for (indicate received/denied/pending): none

## Progress Report (300 word maximum):

This grant supports research using the pig as an animal model to predict bone disorders in both pigs and humans. Initially during this period, the work was concentrated on the examining genes which are likely to influence phosphorus metabolism. We performed single nucleotide polymorphism (SNP) discovery in heavy bone and light bone pig lines. In this regard, 28 genes were selected and analyzed for SNPs. This initial phase of work was included in an abstract that was written for International Symposium on Animal Genomics for Animal Health. Later, the selection of genes was expanded in broader categories to include candidate genes affecting the leg structure and back disorders including conformation of a normal vertebral column (dip back). Therefore, to this point a total of 50 genes have been selected and 84 SNPs were found. These SNPs are present in 22 out of the initial 50 genes, and another 9 SNPs in 6 genes are being confirmed using standard validation methods. We have a data set of nearly 2000 commercial pigs with various leg and conformation scores which will be genotyped for our genetic markers. We are in the process of developing specialized formats essential for high throughput genotyping. Among these SNPs, a SNP present in DARC gene has shown a significant difference between heavily boned and light boned pigs. This gene is known to be associated with bone growth in humans and further work to verify its role in the pig is underway. Presently additional genes are being selected based on the signaling pathways affecting the bone development, growth and metabolism.

Platform leader Rothschild has met with new groups concerning expanded commercial activities in Iowa. One appears to be considering a start up company

Title: Animal Systems: Large Animal Genomic Models for Animal and

Human Health - Part V

PI(s): Michael Spurlock

Publications/presentations based on project: Awards received: Invention disclosures: External funding applied for (indicate received/denied/pending):

## Progress Report (300 word maximum):

This study evaluated the effects of high-carbohydrate versus high-fat diets on inflammation located in adipose and skeletal muscle of pigs which are genetically predisposed to obesity. Fourteen Ossabaw swine were housed in an Iowa State University facility and our experienced animal caretaker oversaw the daily feeding and care of the pigs. The swine were divided into two experimental groups, one of which was allowed to eat a commercial swine diet ad libitum. The second group was restricted to a quantity of commercial feed that maintained their body weight but did not promote weight gain. The swine were fed in this manner for twelve weeks, and then their diets were switched to high-fat or high-carbohydrate diets for an additional thirty six weeks. The swine were sacrificed and blood and tissue samples were taken to measure markers of inflammation, including sera insulin, non-esterified fatty acids, total cholesterol, glucose, and triglycerides. RNA was prepared from adipose tissue depots for microarray analysis.

Title: Large Animal Genomic Models for Human and Animal Health

Principal Investigator: Heather Greenlee

Publications/presentations based on project: NA

Awards received: NA Invention disclosures: NA

External funding applied for (indicate received/denied/pending): NA

## **Progress Report:**

We have not yet expended funds that are targeted for transmissible spongiform encephalopathy project. Transmissible spongiform encephalopathies are diseases that have an extended incubation time. Animals that are intended for this study are at the National Animal Disease Center (a collaborator on this project) have been inoculated, and will be at an appropriate post-innoculation time to begin studies within the next 6 months.

Currently we are working to hire a graduate student (who already has a D.V.M.) to begin these studies.

In addition, we now have in place a confidentiality agreement (CA) with iOptics, LLC, a small company in Iowa City, IA. Our discussions since the CA was signed have been working toward the production of two custom cameras that will be used for these studies. We intend to have the cameras in our possession to begin these studies late this year.

## INFRASTRUCTURE GRANT

Title: Large Animal Genomics Models for Animal and Human Health:

Pig model for bone health - Infrastructure.

PI(s): Max F. Rothschild

Publications/presentations based on project:

Same as project update above

Awards received: None Invention disclosures: None

External funding applied for (indicate received/denied/pending): none

# Progress Report (300 word maximum): - infrastructure

The infrastructure grant supported the purchase of a piece of equipment to support the discovery of genes using the pig as an animal model to predict bone disorders in both pigs and humans. The equipment was purchased using the entire funds and has been successfully used for the gene discovery and for the single nucleotide polymorphism (SNP) discovery in heavy bone and light bone pig lines. In this regard, 28 genes were selected and analyzed for SNPs. Later, the selection of genes was expanded in broader categories to include candidate genes affecting the leg structure and back disorders including conformation of a normal vertebral column (dip back). Therefore, to this point a total of 50 genes have been selected and 84 SNPs were found. The equipment is now in Rothschild's laboratory in Kildee hall.

Principal Investigator: Matthew Ellinwood

Publications/presentations based on project: Awards received: Invention disclosures: External funding applied for (indicate received/denied/pending):

## Progress Report (300 word maximum):

Infrastructure funds have allowed for the requests of bids through FP&M for the improvement of facilities in the Kildee Hall Animal Facilities to allow expanded housing of canine and feline models. Bids were finalized during this past period, and work was begun and has been substantially finished. Specifically a biosecurity airlock foyer has been constructed, and unsealed concrete floors in a large animal room and the new foyer have been epoxy seeled and walls repainted. Caging for dog housing in the facility has been ordered, and the manufacturer has scheduled delivery for the last week of July, 2007. Animals are predicted to move into the facility in August of 2007.

#### **BIOECONOMY PLATFORM**

Platform Chair: Robert Brown

#### PROJECT GRANT

Title: Task 1: Thermochemical Products: Syngas production and clean-up

**PI(s):** Robert C. Brown

Publications/presentations based on project: None at present time

**Awards received:** None at present time **Invention disclosures:** None at present time

External funding applied for (indicate received/denied/pending): None at present time

#### **Progress Report**

# Task Objective:

The objective of this task is to produce syngas with properties that maximize growth and production of chemo-autotrophic microorganisms.

## **Summary of Progress to Date:**

Raw syngas from the gasification of biomass feedstocks contains many condensable liquid compounds that may inhibit growth and even kill is cases the Rhodospirillum Rubrum cells being used to convert carbon monoxide to hydrogen. The remove these and other compounds from the raw syngas, a new gas cleanup system has been designed and is being installed. The new gas clean-up system includes a pair of mini-cyclones, a hot gas filter, a tar condenser, an impinger train, a vacuum pump, a pair of toxin filters, and a oxygen filter. The mini-cyclones used in this system are designed to remove 95 to 99% of the char in the raw syngas. The remaining char is removed using either a ceramic thimble or a sinter metal hot gas filter. Tars and condensable compounds with a condensation temperature greater than 105°C are removed in the tar condenser. The impinger train is used to remove water and any remaining aerosols that may not have been removed in the tar condenser. Two activated carbon filters serve as a final toxin filter to ensure that all the all the toxic compounds were removed in the previous steps. An oxygen filter and indicator provide the last step of protection to ensure that the syngas is free of oxygen. This gas clean-up system is capable of providing 10 L/min of cleaned syngas to the bioreactor containing Rhodospirillum Rubrum.

In preparation for evaluating the merits of perspective of feed stock such as: corn stover, switchgrass, corn fiber, and distillers' dried grains work is also being completed to upgrade the gasifier. This work includes the addition of a steam generator and such that the gasifier may be operated in the following modes: i) air blown, ii) air/steam blown, and iii) oxygen/steam blown. The biomass feeder is also being redesigned to reduce the difficulty involved with handling ground switch grass and corn stover. Finally, the gasifier instrumentation is being replaced and repaired to facilitate detailed mass balances.

Title: Task 2. Thermochemical Products: Enhancing gas-liquid mass transfer

**PI(s):** Ted Heindel (ME) and Brent Shanks (CBE)

Publications/presentations based on project: None at this time

Awards received: None at this time

Invention disclosures: ISURF # 03452 - CO-Liquid Mass Transfer Enhancement for Syngas

Fermentation

External funding applied for (indicate received/denied/pending): None at this time

#### Progress Report (300 word maximum):

In the past six months, a microreactor was designed, constructed, and used for CO-water mass transfer measurements in which various nanoparticles were added to nanopure water. Preliminary results suggest that the CO-water volumetric mass transfer coefficients (kLa) are repeatable in the microreactor under different conditions (e.g. gas flow rate and stirring speed). Mesoporous silica (MCM41) nanoparticles with spherical morphology and a diameter of ~200 nm have been synthesized. The BET surface area of the MCM41 nanoparticles is ~1400 m²/g. Different organic groups such as methyl, phenyl, mercaptopropyl, carboxylpropyl, nitrilpropyl and aminpropyl were used to functionalize the MCM41 nanoparticles. The k<sub>L</sub>a enhancement when the nanoparticles are added to the system has been measured in the microreactor. Results indicate (1) large silica particles (Degussa, Sipernat 160) with a diameter of 7.0 µm showed negligible k<sub>L</sub>a enhancement, while MCM41 nanoparticles enhanced the CO-water volumetric mass transfer coefficient by ~55%; (2) the k<sub>L</sub>a enhancement as a result of MCM41 nanoparticle addition was influenced by the kind and loading amount of the functionalized groups, as well as the nanoparticle concentration in the solution. At a microreactor stirring speed of 300 rpm, CO gas flow rate of 180 ml/min, and nanoparticle concentration of 0.4 wt%, MCM41 functionalized by 5% mole ratio mercaptopropyl showed the strongest enhancement of ~100% (i.e., k<sub>L</sub>a was increased by a factor of 2), which is hypothesized to be due to interactions between CO and the functionalized groups. During the next six months, we will further enhance the mass transfer rate by focusing on the role of the surface hydroxyl group. Other nanoparticle oxides (alumina and/or silica-alumina) will also be synthesized with different hydroxyl groups and tested for mass transfer enhancement capabilities.

**Title:** Task 3: Syngas fermentation pilot facility

PI(s): Alan A. DiSpirito

## Publications/presentations based on project:

Do YS, Smeenk J, Broer KM, Kisting CJ, Brown RC, Heindel TJ, Bobik TA, DiSpirito AA. 2007. Growth of *Rhodospirillum rubrum* on synthesis gas: Conversion of CO to H<sub>2</sub> and poly-β-hydroxyalkanoate. Biotechnology and Bioengineering 97(2):279-286.

Awards received:

**Invention disclosures:** 

External funding applied for (indicate received/denied/pending):

#### Progress Report (300 word maximum):

Based on previously demonstrated syngas fermentation for the production of polyhydroxy alkanoate (PHA) biopolymers, a continuous syngas fermentation facility was designed and is under construction in Black Engineering. When complete, the new facility will have five benchtop scale (10 L) fermenters in parallel to optimize syngas utilization. First fermenter will test biofiltration system to remove potentially toxic organic compounds from syngas. Syngas from this biofiltration system will be used to feed the remaining four bioreactors used to culture *Rhodospirillum rubrum*. A new particulate removal and gas flow control systems are being installed which will allow continuous monitoring of gas mass flow and pressure balance between gasifier and bioreactors. A clean laboratory for wet chemistry is has been designed to provide on site chemical analysis for syngas fermentation. The major components for this system have been ordered or received. Once all the components have been received, construction of the continuous fermentation system will begin.

In addition to the construction of a new fermentation facility, optimization of fermentation conditions have focused on CO utilization and cost reduction. Resent studies have determined the minimal concentration of CO required for optimal growth rates in stirred take reactors. Under these growth conditions approximately 80% of the CO was utilized. When complete the new fermentation facility was designed to allow for the introduction of a biofiltration system to scrub the remaining 20% of the CO, maximizing CO utilization and detoxifying the exit gas. To reduce fermentation costs, the *R. rubrum* have been cultured on syngas in stirred tank reactors that were not autoclaved. The anaerobic conditions, minimal media and high concentrations of carbon monoxide in these fermentations are very selective and microbial contamination has yet to be a problem.

Title: Task 4: Thermochemical Products: Ethanol production by combined

fermentation and chemical synthesis

PI(s): Thomas Bobik

Publications/presentations based on project: (none) Awards received: (none)

**Invention disclosures:** IPDR entitled "Ethanol production by combined fermentation and chemical synthesis." was filed with ISURF.

# External funding applied for (indicate received/denied/pending):

Extrenal funding received for an expanded project from Conoco-Phillips and Archer Daniels Midland.

**Progress Report (300 word maximum):** Escherichia coli was successfully engineered to co-produce acetaldehyde and hydrogen from glucose. Acetaldehyde dehydrogenase (ald) was cloned via PCR amplification and its DNA sequences were verified. This clone was transformed into Escherichia coli and its expression verified by enzymatic assay. Genetically modified E. coli expressing ALD was grown on glucose and shown to produce 28% more acetaldehyde than the control. An E. coli adh, ldh double mutant was constructed by P1 transduction using kanamycin resistance insertions from the KO collection. The ald gene was expressed in this double mutant. This increased growth by 20%, enhanced anaerobic production acetaldehyde 195% and elevated hydrogen production 590%. Preliminary HPLC analysis were conducted to identify undesirable by-products that accumulate during co-production of acetaldehyde and hydrogen. This work is ongoing.

**Title:** Task 5 - Thermochemical Products: Establish functional genomics of *Rhodospirillum rubrum* metabolism

PI(s): Basil J. Nikolau

#### Publications/presentations based on project:

Genetic, Biochemical and Physiological Studies Acetyl-CoA Metabolism via Condensation. Huanan Jin and Basil J. Nikolau. Poster presentation, to be made at the American Society of Plant Biology, Chicago, IL, July, 07

**Awards received:** None to date **Invention disclosures:** None

## External funding applied for (indicate received/denied/pending):

• Title of project: Annotation of novel enzymatic functions in methanogens

Funding Agency: DOE-GTL Date submitted: March, 2007

Status: Pending

• Title of project: Development of metabolomics and metabolic flux technology for production

of bioplastics and bioenergy

Funding Agency: Consortium of Plant Biotechnology Research

Date submitted: June, 2007

Status: Pending

#### Progress Report (300 word maximum):

This task has focused on understanding and manipulating the metabolism of *Rhodospirillum rubrum* so as to make this organism more suitable as a platform for the fermentation-based conversion of syn-gas to biorenewable chemicals and biofuels. These manipulations are taking advantage of the genomics platform that is afforded by the fact that this organism's genome is completely sequenced. We have targeted the metabolism of two classes of biorenewable chemicals and fuels: 1) polyhydroxyalkanoate (PHA) as a bioplastic; and 2) monoacyl esters as a biofuel. PHAs are natural products of *R. rubrum* metabolism, which are produced when this organism is grown under a low-carbon nutrition status. Monoacyl esters are not produced by *R. rubrum*, however, such molecules are produced by many other organisms, including plants, algae, some bacteria, and insects and other animals.

For PHA metabolism, we have identified and are characterizing six R. rubrum genes that appear to be involved in PHA production. These are labeled:

1. *phaA*, Rru\_A0274;

2. phaB, Rru A0273;

3. phaC, Rru\_A0275;

4. *phaC*-like1, Rru\_A2413;

5. phaC-like2, Rru A1816; and

6. phaJ, Rru\_A2964

Each of these genes has been expressed in *E. voli*, and with the resulting recombinant proteins we have generated antibodies against each gene product. These antibodies will be very useful reagents for authenticating the results of the subsequent genetic manipulations of *R. rubrum*.

Using each of these isolated genes, we have constructed *R. rubrum* strains, which individually over-express each targeted gene. Expression of these transgenes is inducible with carbon monoxide, which makes these strains particularly suitable for use in syn gas fermentation processes. This CO-inducability has been achieved by using the promoter from the *cooFSCTJ*-locus. Finally for each of the targeted genes, we have generated two transgenic strains, which differ from each other relative to the genetic locus at which the transgene has been inserted in the genome; one is at the *cooFSCTJ* locus, the other is at the target-gene locus. These strains are currently being assessed relative to their growth characteristics, and the amount and type of PHAs that are produced.

For monoacyl ester metabolism, we have identified and isolated three monoacyl ester synthase genes from Arabidopsis. As with the PHA metabolism genes, these monoacyl ester synthase genes will be manipulated and will be targeted for expression in our *R. rubrum* strains using the *cooFSCTJ* promoter.

Title: Task 6: Thermochemical Products: Developing stable bio-oils from fast pyrolysis

**PI(s):** Robert C. Brown & Justinus A. Satrio

Publications/presentations based on project: None at present time

**Awards received:** None at present time **Invention disclosures:** None at present time

External funding applied for (indicate received/denied/pending): None at present time

## **Progress Report**

## Task Objectives:

The objectives of this task are to develop capabilities of generating bio-oils under well characterized operating conditions and of characterizing physically and chemically the oil properties that influencing bio-oil stability.

#### **Summary of Progress to Date:**

Bio-oil is composed of a complex mixture of oxygenated organic compounds that sometimes yield a product with poor stability over time. The unpredictable stability of the bio-oils is the major impediment in the commercialization of bio-oil utilization. To gain more understanding on the bio-oil generation and parameters that affect the bio-oil stability, in this task a new fast pyrolyzer will be designed and constructed. The new fast pyrolyzer will replace the eight-year old fast pyrolyzer which is difficult to control and requiring excessive maintenance to be operable. The new system will allow carefully controlled experiments to be performed in order to evaluate factors in biooil production that affect the stability of bio-oil product. The system will consist of the following sub-systems: a feedstock feeding system, a fast pyrolysis reactor, gas product cleaning and char collection system, a bio-oil product collection system, and a non-condensable gas recycle system. At present time, the fast pyrolysis reactor and the biomass feeding system have been designed and will be constructed. The designs of the remaining sub-systems are currently underway. An air separator system, which uses a PSA technology, is currently being ordered to be used for providing nitrogen for the fast pyrolysis system. It has a capacity of producing 400 L/min (STP) of nitrogen at 99% purity and 120psig. At present, on the average, six large cylinders of liquid nitrogen (at a cost of approximately \$2000) were required to operate the fast pyrolyzer every month. The new air separator will eliminate the need of purchasing these costly liquid nitrogen cylinders.

In addition to the new fast pyrolyzer design and construction, in this task an analytical and instrumentation laboratory facility which is dedicated for analyzing and characterizing biomass and biomass utilization products, such as bio-oils, has been set up. The facility occupies three laboratory spaces in Metals Development building, which is located on Iowa State University main campus and owned and operated by US DOE's Ames Laboratory. Approval for the operation of the laboratory facility has been sought and obtained from the Ames Laboratory's Environmental Health & Safety office. At present the following instrumentations have been installed and operated in the laboratory facility:

- GC/MS (manufacturer: Varian): to analyze chemical composition bio-oil and its derivative liquid products.
- 2. Viscometer (Brookfield): to determine liquid viscosity
- 3. Bomb calorimeter (Parr): to determine materials' heating values
- 4. Karl-Fischer titrator (KEM): to determine water content of bio-oils and its derivatives
- 5. Centrifuge (Fischer Scientific): to separate multiphase materials
- 6. Vacuum distillation apparatus (Kontes): to separate distillable liquids

- 7. Thermogravimetric analyzer/ TGA (Perkin Elmer): to be used for analyzing reactions/processes involving weight loss from solid/liquid materials.
- 8. Various glass apparatuses for wet chemical analysis
- 9. Furnaces of various types: muffle, vacuum, and tubular
- 10. Analytical balances

The following instruments are currently being ordered:

- 1. Mercury Porosimeter (Micromeritics): to analyze pore size distribution of chars and other solid materials.
- 2. MicroGC (Varian): to analyze composition of gas product

**Title:** Task7: Oleochemicals: Identifying physical and chemical attributes for improved biobased lubricants and fuels

PI(s): L. Johnson, E. Hammond and T. Wang

Publications/presentations based on project: None

Awards received: None Invention disclosures: None

External funding applied for (indicate received/denied/pending): None

## Progress Report (300 word maximum):

The ISU project team met twice in Spring 2007 with the collaborators (led by Dr. Lou Honary) at the University of Northern Iowa's National Ag-based Lubricants laboratory. Scheduling problems of some of the participants delayed this for several months. We have signed confidentiality agreements agreeable to both institutions so that unimpeded information sharing is possible. UNI has disclosed the problem on which they would like for us to help them and to form the core collaboration. This involves technical concerns about the burning of biodiesel, which causes coke build up and wear in fuel injectors. The technical approach to solving this problem will require more negotiations between the partners. We have identified a graduate student to work on the project and are awaiting issue of a suitable visa prior to putting this student on the payroll. UNI has supplied us with 5 gallons of high-oleic soybean oil and we are determining the best method of purifying oleic acid from this oil to make low-melting oleates that UNI can tests for various uses.

## INFRASTRUCTURE GRANT

**Principal Investigator:** David Oliver, College of Liberal Arts & Sciences (Victor Lin, Nikki Pohl, Emily Smith)

## Publications/presentations based on project:

Awards received:

Invention disclosures:

## External funding applied for (indicate received/denied/pending):

#### Victor Lin

Agency: U.S. DOE (DE-FC26-06NT43023)

Duration: 10/2006-09/2009

Amount: \$3,440,615

Title: "Mesoporous Silica-Supported Rhodium Nanocatalysts for Selective Production of Ethanol

from Syngas" Status: Funded.

Agency: U.S. DOE (AL-03-380-011)

Duration:09/2007-09/2010

Amount: \$1,800,000

Title: Renewal of an Ames Lab Chemical and Biological Sciences project entitled "Selective and

efficient catalysis in 3D controlled environment"

Status: Funded

Agency: NSF

Duration: 09/2007-06/2010

Amount: \$1,400,000

Title: (Collaboration with University of Iowa) "NIRT-Self-Assembly of Nanostructures in Silica

Based Porous Materials for Biocatalysis and Drug Delivery"

Status: Pending

Agency: U.S. DOE Duration 10/2007-9/2010 Amount: \$3,000,000

Title: Nanostructured Organic-Inorganic Hybrid Long Range Charge Separation System for

Photocatalysis and Photovoltaic Application

Status: Pending

# Nikki Pohl – all pending

National Institutes of Health Small Business Technology TransferGrant (STTR) Phase II Expected direct costs for PI's lab over 2 years: \$124,568.

Submitted a request with Fluorous Technologies, Inc. (Pittsburgh, PA) for \$1,065,049 total.

"Fluorous Solution-Based Synthesis of Peptides and Oligosaccharides"

Healthy Livestock Initiative Competitive Grant (Iowa State University)

\$20,000 direct costs. Expected direct cost for PI's lab over 1 year: \$5,179.

"The role of surface glycosylation in modulating macrophage and dendritic cell responses to intracellular pathogens"

10/1/07-9/30/10

Department of Energy

\$2,130,000 total costs. Expected direct cost for PI's lab over 3 years: \$80,000.

"Spectroscopic Analysis during Lignocellulose Degradation by Ultrasonic and Ammonia Treatments"

12/1/07-11/30/10

Department of Energy

\$973,084 total costs. Expected direct cost for PI's lab over 3 years: \$50,000.

"High Throughput Methods for Determining Cell Wall Composition of Plants"

Submitted May 2007

National Institutes of Health DP2 (2007 NIH Director's New InnovatorAward Program) Expected direct costs for PI's lab over 5 years: \$980,000.

"Development of Automated Oligosaccharide Synthesis"

Submitted June 2007

Howard Hughes Medical Institute

2008 Investigator Award (Amounts not specified at this stage)

"Chemical Glycobiology and Immunity"

## **Emily Smith**

#### **Funded**

"Development of Raman and Fluorescence Imaging Methods for the Study of Cellular Processes and Biological Material in Diverse Applications", Society of Analytical Chemist of Pittsburg Starter Grant, funded April 2007-April 2008. **\$20,000** 

"High-Throughput Raman Imaging Studies of Plant Tissue Arrays for Measuring Cell Wall Content and Degradation", Plant Sciences Institute and Ames Laboratory (DOE), funded July 2007-July 2009. **\$60,000** 

#### Pending

"Raman Spectroscopy and Raman Imaging Studies of Bifunctionalized Mesoporous Silica Nanosphere Catalytic Systems", Petroleum Research Fund Type G, submitted March 2007. **\$50,000** 

"Unraveling and Inhibiting Advanced Glycation End Products (AGE) in vivo" NIH: Director's New Innovator Award Program (DP2), submitted May 2007. \$1,500,000

#### Denied

"Raman Imaging for the Detection of Latent Fingerprints on Traditionally Hard to Visualize Surfaces and the Measurement of Endogenous Compounds in Fingerprint Residue" Midwest Forensics Resource Center Competitive Research Program Fall 2007, submitted November 2006.

"High-Throughput Raman Imaging Studies of Plant Tissue and Cell Culture Arrays for Measuring Lignin and Cellulose Content" DOE: New Analytical and Imaging Technologies for Multiplexed Screening for Plant Phenotypes, co-submitted with Professor Kan Wang (Department of Agronomy) and Kenneth Moore (Department of Agronomy), pre-proposal submitted January 2007.

# Equipment Purchased/Renovations Made:

# Progress Report (300 word maximum):

These funds were used to partially renovate research laboratories and to provide essential research equipment for Victor Lin, Nikki Pohl, and Emily Smith in the Department of Chemistry. This support has been essential for these PIs submitting over \$13,450,000 in grant proposals. Of these requests the PIs have already been awarded over \$5,320,000 in support and the rest of the proposals are still pending. They have already generated over \$10 in external funding for each \$1 invested.

#### Publications/presentations based on project:

- 1. McCready, Nicolaus; Williams, R. Christopher, "The Utilization of Agriculturally Derived Lignin as an Anti-Oxidant in Asphalt," Mid-Continent Transportation Research Forum, Ames, Iowa, August 16-17, 2007. (Conference Paper)
- 2. Williams, R.C.; McCready, N., "Synergistic Opportunities for Bio-Energy Co-Products in Asphalt Materials", Federal Highway Administration, Turner-Fairbank Highway Research Center, August 7, 2007. (Invited Presentation)
- 3. Zemen, Nicholas, "ISU Evaluates Lignin as Additive in Asphalt Manufacturing," Biomass Magazine, June 2007. <a href="http://www.biomassmagazine.com/article.jsp?article\_id=1172">http://www.biomassmagazine.com/article.jsp?article\_id=1172</a> (Trade Magazine Article)
- 4. McCready, Nicolaus; Williams, R. Christopher, "Utilization of Agriculturally Derived Lignin as an Anti-Oxidant in Asphalt," 44th Petersen Asphalt Research Conference, Laramie, Wyoming, July 16-18, 2007. (Conference Paper)
- 5. McCready, Nicolaus; Williams, R. Christopher, "Utilization of Agriculturally Derived Lignin as an Antioxidant in Asphalt Binder," *The World Congress on Industrial Biotechnology and Bioprocessing*, Orlando, Florida, March 21-24, 2007. (Presentation)

#### Awards received:

#### Invention disclosures:

Have established a confidentiality agreement with Grain Processing Corporation of Muscatine, Iowa. A similar agreement is anticipated to be worked out with PureVision Technologies of Fort Lupton, Colorado.

## External funding applied for (indicate received/denied/pending):

1. Received

Investigators: Williams and Justinus A. Satrio

Project: Evaluation of Lignin/Phenol Derived from Bio-oil Production for Use as an

Antioxidant in Asphalt Sponsor: Iowa Energy Center

Duration: July 1, 2007 to June 30, 2008

Funding: \$78,802

2. Pending

Investigators: Williams and Satrio

Project: Utilization of Bio-Energy Co-Products in Asphalt Materials

Sponsor: Federal Highway Administration Duration: October, 2007 to September, 2010 Funding: \$1,152,280 (\$576,140 of cost share)

#### Equipment Purchased/Renovations Made:

Upgraded a servo-pneumatic testing machine for testing materials associated with bio-energy research.

## Progress Report (300 word maximum):

The research team anticipates using the upgraded test equipment in research work that will be under contract within the next 6-12months. A substantial amount of exposure is being received by the research team associated with utilizing bio-energy co-products in asphalt materials and this equipment will further expand their research capabilities and thus research exposure.

Publications/presentations based on project: None

Awards received: None Invention disclosures: None

#### External funding applied for (indicate received/denied/pending):

- Conoco-Phillips Bio-Fuel Sprays and Combustion \$125000 (received)
- Air Force Research Laboratory Spray Diagnostics Development \$90000 (received)
- Air Force Office of Scientific Research Spray Diagnostics Development \$30000 (received)
- Air Force Research Laboratory MHz-Rate Flow Imaging \$125000 (received)
- NASA MHz-Rate Temperature Imaging \$106000 (received)
- Air Force Research Laboratory Alternative Fuels for Hypersonics Propulsion (denied)

#### Equipment Purchased/Renovations Made: 4-Pulse High-Power Nd:YAG Laser System

#### Progress Report (300 word maximum):

The funding was used to help purchase a laser system capable of performing planar imaging of sprays and combusting flows. This system is capable of producing 4 pulses of high-energy laser light at a rate of 10 Hz in the infrared, visible, and ultraviolet regions of the spectrum. It is also capable of pumping a dye laser and optical parameteric oscillator for generating tunable radiation over a wide range of laser wavelengths for targeting specific molecules of interest. The dye laser and optical parametric oscillator are leveraged under different programs listed above. The laser system is unique at Iowa State and will be used for visualizing bio-oil sprays and for characterizing the bio-oil combustion process in a project currently funded by Conoco-Phillips. It may also be used for studying combustion of gasified biofuels and for studies of biofuel processing (gasification, etc). Two students are currently being funded to work on this project. At this stage the laser is under construction and will be delivered within 8 to 10 weeks. The timing is such that the laser and optical system should be ready for testing in 4 months and will be utilized in the bio-oil sprays and combustion project beginning late 2007 or early 2008. This research is leading to significant interest from other Iowa companies such as Goodrich Turbine Fuel Technologies, who is in the beginning stages of developing fuel nozzles for biorenewable fuels. Finally the equipment will be used to for other spray and combustion related projects targeted at improving efficiency and reducing pollutant emissions of power generation and propulsion systems.

# Equipment Purchased and Renovations Made:

# Task 3

- Plumbing and flow controller system
- Spectrophotometer
- Fermentation system
- Clean room renovation
- Electricaal work

# Task 6

- Fabrication of Pyrolyzer
- Mercury porosimeter
- MicroGC
- Nitrogen Separator

## Task 8

• Not ordered yet

# Progress Report (300 word maximum):

The equipment was purchased in support of Tasks 1-8 which are being funded via the Battelle Project funds. Updates regarding the use of this equipment can be found above in the Task reports.

# Principal Investigator: Joe Colletti, College of Agriculture

Publications/presentations based on project: Awards received:

**Invention disclosures:** 

External funding applied for (indicate received/denied/pending):

# Equipment Purchased/Renovations Made:

# Progress Report (300 word maximum):

Funding was approved for a DNA extractor, a Tetrad PCR, and a mass array liquid handler for use by two new faculty hires, Dr. Beavis and Dr. Lubberstedt who will be joining ISU in August 2007 and September 2007, respectively. Equipment specifications will be determined and orders placed after their arrival.

#### **BIOSECURITY**

Platform Chair: Manjit Misra

# **PROJECT GRANT**

**Title:** Protecting Iowa's Economic Growth Through Animal Traceability and Discovery of Natural Antimicrobials. BioScience Alliance of Iowa. Project 1: Discovery of Natural Antimicrobials

PI(s): A. L. Pometto, Ph.D.

Publications/presentations based on project:

Awards received: None Invention disclosures: None

## External funding applied for (indicate received/denied/pending):

- Mendonca, A, and A.L. Pometto III. 2007. Antimicrobial Efficacy of a Novel Antimicrobial Skin Cleanser against Foodborne Enteric Pathogens on a Model Skin Surface. IPRT (\$12,057) and Northern Filtration Media (\$12,065) (Funded)
- Mendonca, A., A.A. DiSpirito, and A.L. Pometto III. 2007-2010. Methanobactin: Natural Antimicrobial for Foodborne Pathogens. USDA/NRI (Food Safety and Quality, 32.0) \$399,018 (Not funded).

## Progress Report (300 word maximum):

The Antimicrobial and Prebiotic Discovery Initiative activities continue to develop. Following are the accomplishments:

- Dr. William Colonna was hired as the Assistant Scientist II and started working for the Initiative March 3, 2007.
- Completed the purchase and installation of the analytical and preparative HPLC
- Worked with Mark Reuber in getting the organic solvent spray drier operating
- Established a standard operating procedure (SOP) for determining the minimal inhibitory concentration (MIC) for antimicrobials against a five-*Listeria* cocktail
- The Commercial Partners Advisory Council (Kemin and AgResources) met every two months to provide guidance and to discuss relevant topics including methanobactin research and grape seed extract research performed to date.
- Completeed a material transfer agreement with Kemin for methanobactin evaluation. Also in progress:
- Working with a graduate student on the SOP for evaluating nisin produced from soybean whey
- Working the our collaborating commercial partner Dr. Ifendu Nnanna to build our culture collection of probiotics for prebiotic discovery
- Working with Dr. Paul Domoto in horticulture to evaluate the benefit of the natural phytochemical stimulator and antifungal spray supplied by Dr. Shetty (Amherst BioInnovation [ABI]) for organic grape production
- Working with Dr. George Kraus in the NIH Botanical Center to ordered a preparative HPLC C18-column for our use

We will continue to characterize methanobactin properties, and scale up protocols for methanobactin production to 100-Liter sequential batch fermentations. Finally several of ABI natural extracts and wine pomace extract antimicrobial properties from ABI extract treated grapes will be evaluated.

**Title:** Protecting Iowa's Economic Growth Through Animal Traceability and Discovery of Natural Antimicrobials. Project 2: <u>Iowa Livestock Traceability Project (ILTP)</u>

PI(s): Dr. H. Scott Hurd, Assoc. Prof., VDPAM, ISU

**Publications/presentations based on project:** Presentation to the Board of Directors meeting of Biosciences Alliances of Iowa, January 31, 2007

Awards received: None Invention disclosures: None

External funding applied for (indicate received/denied/pending): None

## Progress Report (300 word maximum):

- Identified key barriers to electronic certification, such as reluctance of some auction markets to learn a new system and veterinarians who are not familiar with the latest computer technology.
- Began revising software to on-line from stand alone with system with updates.
- A Team of economists, transportation/logistics experts, and business specialists are working to commercialize business applications and conducting additional data collection.
- Risk mitigation strategies for protecting data integrity and confidentiality were implemented by moving data servers to secure underground location
- Methods to incorporate the ILTP into the Iowa Department of Agriculture and the U.S. National Animal Identification Systems (NAIS) plans are being discussed with IA Department of Agriculture.
- Trained 30 people from multiple veterinary clinics on Internet use and use of the ILTP software.
- Approved for 3 continuing education credits. This training was conducted in partnership with the *University of Northern Iowa*'s Educational Technology and Training Institute.

#### INFRASTRUCTURE GRANT

**Title:** Protecting Iowa's Economic Growth Through Animal Traceability and Discovery of Natural Antimicrobials. BioScience Alliance of Iowa.

PI(s): A. L. Pometto, Ph.D.

Publications/presentations based on project:

Awards received: None Invention disclosures: None

External funding applied for (indicate received/denied/pending): None

## Progress Report (300 word maximum):

The floor plan for renovation of room 3379 Food Sciences Building to the Biosafety Level II research lab was drawn up and was approved by the Department of Food Science and Human Nutrition. The Iowa State University Facility Planning and Management Office is overseeing and performing the renovation. Mechanical drawing for electrical, air, gas, and water are being prepared. Completion is expected to be during the fall 2007 semester. Additional electrical outlets for the analytical and preparative HPLC, and for the organic solvent spray drier operation in room1384 Food Sciences Building have been added. Most all the equipment has been purchased. Equipment yet to be purchased, if funding is available after renovation are:

- One preparative HPLC column capable of holding 1-2 gram samples to complement the C18 preparative column purchased by the NIH Botanical Center.
- One anaerobic chamber for culturing Campylobacter (food pathogen) and Brevibacterium (Probiotic)
- One Growth Curve Bioscreen unit to be located in the anaerobic chamber

The placement of the Bioscreen unit within the anaerobic chamber is being requested by some faculty on campus to provide them with some high throughput equipment for their antimicrobial and prebiotic research with *Campylobacter* and *Brevibactererium*. This would be a unique addition to the Discovery Initiative. Projected completion date is during the Fall 2007 semester.

Principal Investigator: Joe Colletti, College of Agriculture

Publications/presentations based on project: Awards received: Invention disclosures: External funding applied for (indicate received/denied/pending):

# Equipment Purchased/Renovations Made:

# Progress Report (300 word maximum):

Funding was approved for gene expression equipment, lab renovation, and a field building. To date, none of the Battelle funding has been utilized for the first two items. The field building has been erected with FY07 expenditures totaling \$63,830. Work on fixtures and other improvements necessary to make the building operational are expected to be completed fall 2007 at an additional cost of approximately \$30,000.

#### ADVANCED FOOD & FEED

Platform Chair: Ruth MacDonald

# **PROJECT GRANT**

Title: Nutrition and Wellness Research Center

PI(s): Ruth S. MacDonald

**Publications/presentations based on project:** 2 meetings at the NWRC

**Awards received:** 2 industry sponsored research projects funded, 2 in planning phase

**Invention disclosures:** none

External funding applied for (indicate received/denied/pending):

Received: \$48,000 Pending: TBD

## Progress Report (300 word maximum):

A two day symposium, the first annual Advanced Foods for Health Symposium, was held on May 8-9 at the Gateway conference center in Ames. The conference addressed the topic of Resistant Starches in food and health and was attended by over 100 people. The symposium speakers were experts in the field from the industry and academia. The response to the symposium has been very good. Funding was obtained through donations from industry sponsors, both College of Agriculture and Life Sciences, and Human Sciences, ISU centers and from registration fees – overall the costs were covered for the symposium.

The renovations to the Nutrition and Wellness Research Center building were completed in April 2007. A research project, funded by an industry partner, was begun in June 2007 with 2 other projects in preparation. The projects are to evaluate the efficacy of food products in human health and involve human subject participation.

A search for a Director was undertaken with 2 potential candidates interviewed. A search firm, Baker-Parker was retained to assist with identifying suitable candidates in the nationwide search. Negotiations are underway by the Dean of the College of Human Sciences to recruit one of these candidates.

Presentation of the facility was made to the ISU Research Board of Directors, and Senator Harkin's aides, as well as ISU-related groups.

The center has been staffed by a full time secretary, Stephanie Kasper, who has coordinated the facility and organized the many details of opening a new building. Her salary is provided by the Dean of Human Sciences. A part-time technical support staff member has been involved with setting up the labs and kitchens, Jeanne Stewart. Her salary is currently provided by the Center for Designing Foods to Improve Nutrition. We have therefore been able to retain the funding in the Battelle project for the new Director to use according to his/her needs. We have used limited Battelle funds to pay a student worker 20 hours per week to perform settling in details at the building.

#### INFORMATION TECHNOLOGY

Platform Chair: Jim Oliver

#### PROJECT GRANT

# External funding applied for (indicate received/denied/pending):

"EVO: Virtual Atom Probe Tomography Network," Krishna Rajan, PI, with ISU Co-PI's James Oliver, Vasant Honavar and Srinivas Aluru, and David Seidman (Northewestern University). National Science Foundation, Engineering Virtual Organization program, \$200,000, pending.

"Large-Scale Optimization Using Evolutionary Algorithms on GPU Architectures," Eliot Winer, PI with Co-PI James Oliver, National Science Foundation, \$416,974, pending.

"NIRT: Virtual Reality Environment for Designing Bio-nano Mechanical Components and Machines," James Oliver, PI, with Co-PI's Amy Andreotti (ISU) Kazem Kazerounian and Horea Ilies, (University of Connecticut), and Constantinos Mavroidis (Northeastern University), National Science Foundation, \$1,400,000, pending.

IIS: Exploratory Investigation of Modular Ontologies. *National Science Foundation*, Vasant Honavar (PI), Giora Slutzki and Doina Caragea (Co-PIs), (2006-2008). \$100,000. Received.

Interactive and Verifiable Composition of Web Services To Satisfy End User Goals. Vasant Honavar (Co-PI), Samik Basu (PI), Robyn Lutz (co-PI). *National Science Foundation* (2007-2010). \$350,000. Received.

Collaborative Research: Learning Classifiers from Autonomous, Semantically Heterogeneous Distributed Data Sources, National Science Foundation, Vasant Honavar (PI) \$449, 000. 2007-2010. Recommended for funding (award pending)

#### **Progress Report:**

In January CII principals played a major role in securing ISU's invitation to join the Great Lakes Consortium for Petascale Computation led by the National Center for Supercomputing Applications (NCSA) at the University of Illinois, Urbana-Champaign. This regional consortium is a finalist in the National Science Foundation's "High Performance Computing System Acquisition: Towards a Petascale Computing Environment for Science and Engineering" program, a \$500M project to build the ultimate high-performance computer. James Oliver contributed to the proposal and is listed as "Senior Personnel".

April 25-27 the CyberInnovation Institute (CII) hosted the "Emerging Technologies Conference" ETC 2007. This three-day event featured research progress and economic development activities of all CII's research centers and attracted more than 450 attendees.

In May the Center for Information Assurance hosted the second annual "Cyber Defense Competition" for regional high school students at the CyberInnovation Institute's new facilities at 2321 North Loop Drive in Ames. This two-day event was attended by more than 50 students and attracted substantial media attention.

#### INFRASTRUCTURE GRANT

PI(s): David Oliver, College of Liberal Arts & Sciences (Theresa Windus)

#### Theresa Windus

Department of Energy (DOE) – ASCR, The Computational Chemistry End Station (ChemES), \$1.98M, pending

Department of Energy (DOE) – Basic Energy Sciences, Nanostructured Organic-Inorganic Hybrid Long-Range Charge Separation System for Photocatalysis and Photovoltaic Applications, \$3M, pending

Department of Energy (DOE) - Basic Energy Sciences, Ames Laboratory Chemical Physics Program, \$3M, pending

National Science Foundation, Simulation of Electronic Non-Adiabatic Dynamics for Reactions with Organic Macromolecules, Liquids and Surfaces, \$2.5M, pending

#### Equipment Purchased/Renovations Made:

#### Progress Report (300 word maximum):

These funds were used to purchase a high performance computer system for the Windus group. Windus works on computer modeling of chemical reactions at the quantum level. She has purchased and assembled the system and is writing software to computer model chemical reactions on the system. So far she has applied for nearly \$10,500,000 in external funding. These grants were made possible because of having the high speed computer system funded by this program.

#### Publications/presentations based on project:

- 1. Z.J. Wang, "High-order methods on unstructured grids for Navier-Stokes equations," Invited review article to appear in Journal *Progresses in Aerospace Sciences*.
- 2. R. Kannan and Z.J. Wang, "Overset Adaptive Cartesian/Prism Grid Method for Moving Boundary Flow Problems," in press, AIAA Journal.
- 3. J.P. Bons, S.T. McClain, Z.J. Wang, X. Chi and T. I.-P. Shih, "A Comparison of Approximate Vs. Exact Geometrical Representations of Roughness for CFD Calculations Of Cp and St," in press, *Journal of Turbomachinery*.
- 4. Z.J. Wang, Y. Liu, G. May and A. Jameson, "Spectral Difference Method for Unstructured Grids II: Extension to the Euler Equations," *Journal of Scientific Computing*, in press.
- 5. Y. Sun, Z.J. Wang and Y. Liu, "High-Order Multidomain Spectral Difference Method for the Navier-Stokes Equations on Unstructured Hexahedral Grids", *Communications in Computational Physics*, Vol. 2, No. 2, pp. 310-333 (2007).
- Y. Liu, M. Vinokur, and Z.J. Wang, "Discontinuous Spectral Difference Method for Conservation Laws on Unstructured Grids," *Journal of Computational Physics* Vol. 216, pp. 780-801 (2006).
- 7. Y. Sun, Z.J. Wang and Y. Liu, "Spectral (Finite) Volume Method for Conservation Laws on Unstructured Grids VI: Extension to Viscous Flow," *Journal of Computational Physic* Vol. 215, No. 1, pp. 41-58 (2006).
- 8. Y. Liu, M. Vinokur, and Z.J. Wang, "Spectral (Finite) Volume Method for Conservation Laws on Unstructured Grids V: Extension to Three-Dimensional Systems," *Journal of Computational Physics* Vol. 212, pp. 454-472 (2006).

### Awards received: None Invention disclosures: None

#### External funding applied for (indicate received/denied/pending):

- 1. Air Force Office Scientific Research, PI, "Implicit and p-Multi-Grid Algorithms for High-Order Spectral Difference Method on Unstructured Grid", \$264,854, 03/01/2006 2/28/2009.
- 2. Department of Energy, PI, "High-Order Spectral Volume Method for the Navier-Stokes Equations on Unstructured Tetrahedral Grids", \$360,000, 05/01/05 04/28/08.
- 3. Air Force Office Scientific Research, PI, "Parallel Simulation of Moving Boundary Flow Using Overset Adaptive Cartesian/Prism Grids and DES", \$118,080, 04/01/05- 05/31/06.
- 4. Rockwell Scientific/DARPA, PI, "Helicopter Quieting", \$216,000, 01/01/05 11/30/06.

#### Equipment Purchased/Renovations Made:

Purchased a computer cluster (DELL with 16 node including 32 processors)

#### Progress Report (300 word maximum):

The cluster has been used to secure funding from DARPA, the Department of Energy and the Air Force of Scientific Research. Most of my group's large CFD simulations are being conducted on this cluster. **Publications/presentations based on project:** Full day symposium entitled "Atom Probe Tomography: Opportunities and Challenges for New Materials Science" held on May 30, 2007. Organized by Krishna Rajan with support from the National Science Foundation, W.M. Keck Foundation and Iowa State University.

**Awards received:** \$120,000 to Andrew Hillier (and B. Narasimhan, K. Rajan, S. Sundararajan) for purchase of sputtering equipment for W.M. Keck Laboratory for High Throughput Atomic Scale Analysis, CBE Department

**Invention disclosures:** None

External funding applied for (indicate received/denied/pending): \$1,600,000 received from the W. M. Keck Foundation (with P.I. A.C. Hillier and co-PIs B. Narasimhan, K. Rajan and S. Sundararajan) to purchase Local Electrode Atom Probe and establish the W.M. Keck Laboratory for High Throughput Atom-Scale Analysis.

**Equipment Purchased/Renovations Made:** On PO I7-54439-00 new combinatorial sputtering system has been ordered. This amount represents the 2007 VPR match for the W. M. Keck Foundation proposal.

#### Progress Report (300 word maximum):

The \$120,000 is being used to purchase a combinatorial sputtering system to facilitate research being carried out my faculty involved in the Institute for Combinatorial Discovery, as well as other investigators throughout Iowa State University. A competitive bid for the sputtering system was completed in May and the order placed in early June with AJA International for an ATC-1800V Combinatorial Sputtering System. It is anticipated that the sputtering system will be received during late August, 2007. Installation will occur in 3029 Sweeney and this instrument will become part of the W. M. Keck Laboratory for High Throughput Atom Scale Analysis. The capabilities provided by this instrument do not currently exist at ISU. It will allow materials to be created in the form of well-defined thin films, multilayers, and combinatorial array or gradient libraries.

Principal Investigator: Jaeyoun Kim

Publications/presentations based on project: NA
Awards received: NA
Invention disclosures: NA
External funding applied for (indicate received/denied/pending):

#### Equipment Purchased/Renovations Made:

- Femto<sup>TM</sup> Plasma Asher
- Wafer Spinner
- COMSOL Multiphysics Software

#### Progress Report (300 word maximum):

The research focus on the design and simulation of a novel plasmonic waveguide structure for future applications in photonic integrated systems and on-chip optical interconnects. Plasmon waveguides attract an increasing level of research interest largely due to their ability to confine electromagnetic waves on a subwavelength scale which is not achievable in conventional index-contrast waveguides. A number of plasmonic waveguiding structures have been proposed and demonstrated. Many of them require, however, structures with extremely small feature size or high aspect ratio which make their implementation prohibitively difficult. Based on the literature survey and extensive numerical simulations, we invented a new plasmonic waveguiding structure called "quasi-coplanar plasmon waveguide (QCPW)." The results of numerical studies reveal that QCPW has many desirable characteristics. First of all, the fabrication QCPW involves only standard lithographic and deposition processes available from semiconductor industry. Secondly, the QCPW structure supports a wide range of wavelength, especially the important "telecommunication bandwidth" spanning form 1300 to 1550 nm. The size of the propagating mode, another important consideration, turned out to be far below the wavelength scale. In addition, the tolerance of the modal characteristics to the fabricational errors and misalignment are small as well. Currently, we are writing a manuscript reporting the structure. The lab note containing the numerical results and schematics is notarized. During the second half of 2007, we will extend the numerical investigation to time-domain to see the real propagation characteristics and will fabricate initial samples to characterize.

Principal Investigator: Richard LeSar

Publications/presentations based on project

Awards received: NONE Invention disclosures: NONE

External funding applied for (indicate received/denied/pending): NONE

**Equipment Purchased/Renovations Made**: 16 nodes of a dual core dual processor opteron computer

#### Progress Report (300 word maximum):

For the \$80,000, I purchased approximately 16 nodes of a dual core dual processor opteron computer that is managed by the Department of Electrical and Computing Engineering. My students are currently using that computer to perform large-scale parallel computations to model the plasticity of metals in support of new theory development.

Principal Investigator: Krishna Rajan

Publications/presentations based on project:

Awards received: \$50,000 : start up funds---Krishna Rajan

**Invention disclosures:** 

External funding applied for (indicate received/denied/pending):

#### Equipment Purchased/Renovations Made:

Nanoindenter facility

#### Progress Report (300 word maximum):

This piece of equipment will permit one to study mechanics of materials at the nanometric scale. The unique aspect of the facility is that we can study the effect of environmental conditions on materials properties such as high temperature and in-situ studies in fluid environments.

Principal Investigator: Aaron Clapp

Publications/presentations based on project: n/a

Awards received: \$31,000 for Equipment for Aaron Clapp, CBE Department

**Invention disclosures:** n/a

External funding applied for (indicate received/denied/pending):

Denied: Carver Foundation, Beckman Foundation, Ames Lab seed grant, NIH R01

Pending/future: NSF-CRIF, NIH R01

**Equipment Purchased/Renovations Made:** On PO I7-50307-00, purchased Fluoromax-4; Research spectrofluorometer with 150w ozone free Xe source and power supply.

Also, on PO I7-49358-00, used \$6,653 of the Battelle funding towards the purchase of a unilab antechamber.

#### Progress Report (300 word maximum):

These funds were used as part of a startup package where the equipment has been in place for approximately 6 months.

The Fluoromax-4 has been invaluable for characterizing the emission spectra of synthesized quantum dot samples. The sensitivity of this instrument will be necessary for developing highly sensitive assays that use very low concentrations of fluorescent nanoparticles. This is the most sensitive fluorimeter system currently on the market and has the potential for future upgrades (plate reader, fluorescence lifetimes, etc.).

The mini antechamber is an integral part of the Unilab glovebox system which allows us to safely handle air-sensitive precursor materials such as diethyl zinc. The antechamber is absolutely necessary for transferring materials into and out of the glovebox system.

Our ability to synthesize and characterize fluorescent nanoparticles is dependent on these two pieces.

**Publications/presentations based on project:** Full day symposium entitled "Atom Probe Tomography: Opportunities and Challenges for New Materials Science" held on May 30, 2007. Organized by Krishna Rajan with support from the National Science Foundation, W.M. Keck Foundation and Iowa State University.

Awards received: \$36,000 to Andrew Hillier for renovating room 3117 Sweeney, CBE Department

**Invention disclosures:** None

External funding applied for (indicate received/denied/pending): \$1,600,000 received from the W. M. Keck Foundation (with P.I. A.C. Hillier and co-PIs B. Narasimhan, K. Rajan and S. Sundararajan) to purchase Local Electrode Atom Probe and establish the W.M. Keck Laboratory for High Throughput Atom-Scale Analysis.

**Equipment Purchased/Renovations Made:** Capital Project 502-07-47 created to renovate this research laboratory. Match of W. M. Keck Foundation proposal.

#### Progress Report (300 word maximum):

Renovations to 3117 are in process to update a laboratory in the 1964 wing of Sweeney Hall. This room is being converted from a storage area into an updated chemical/optical laboratory to provide space for researchers who were displaced by installation of the recently dedicated W.M. Keck Laboratory for High Throughput Atom Scale Analysis. This laboratory will be used to house several of the surface analysis and fabrication equipment used by researchers in the Department of Chemical and Biological Engineering. These include an atomic force microscope, a Langmuir-Blodgett trough, and an imaging ellipsometry/surface plasmon resonance system. Architectural drawings for renovations are complete, blueprints for updated electrical and climate control have been prepared, and cabinets/counters/sinks have been ordered and received. It is anticipated that renovations will be completed by early fall of 2007.

#### Publications/presentations based on project:

S.-C Kong, "A Study of Natural Gas/DME Combustion in HCCI Engines Using CFD with Detailed Chemical Kinetics," *Fuel*, Vol. 86, pp.1483–1489 (2007).

#### Awards received:

**Invention disclosures:** 

#### External funding applied for (indicate received/denied/pending):

"Managing Early Adoption of Biodiesel by Commercial Fleets," Midwest Transportation Consortium, 5/01/2006—06/30/2007 (Received)

"Emissions from Biodiesel Burned in Utility Generator," Iowa Energy Center, 07/01/2006—06/30/2007 (Received)

"CFD/Detailed Chemistry Simulations of Spray Combustion Considering Practical Fuel Components," DOE Ames Laboratory, 07/01/2006 – 12/31/2007 (Received)

#### Equipment Purchased/Renovation Made:

\$20,000 designated for ISU High Performance Computing Partnership

#### Progress Report (300 word maximum):

This study continues to develop advanced models that use detailed chemistry with multidimensional computational fluid dynamics to simulate fuel combustion in the engine. Improvements in fuel efficiency and emission reduction are imperative to global environments and human health. The fundamental understanding of the engine combustion process will enable more efficient use of biofuel to replace petroleum-based fuels. The goal is to develop a high-fidelity computer model that will be further integrated with virtual engineering tools for designing a cleaner and more efficient combustion system. Simulation results are validated by experimental data. The resulting computer code can also be applied to study the combustion characteristics of various biofuel blends.

Both premixed and direct-injection engine combustion is simulated. A premixed compression-ignition engine using mixture of natural gas and dimethyl ether (DME) was studied. Both natural gas and DME can be produced from renewable sources. Detailed chemical kinetics with 83 species and 360 reactions was used to simulate the combustion chemistry. The model was also applied to simulate direct-injection diesel spray combustion process. Fuel spray dynamics, multiphase flows and combustion chemistry are modeled using an integrated CFD code. The above simulations were validated using experimental data. Continuing efforts of model improvements are being carried out. Future work will also include the combustion chemistry study of different diesel/biodiesel blends in engines.

Principal Investigator: Santosh Pandy

**Publications/presentations based on project:** One journal paper submitted to Journal of Chemical Physics. Two abstracts are under preparation for an IEEE/NIH Conference.

#### Equipment Purchased/Renovations Made:

- 1) Semiconductor Integrated Circuit Chips fabricated through MOSIS foundry (\$1,530 + \$1,905).
- 2) Leica Microscope with Camera and Vibration Isolation Table from north Central Instruments (Paid \$4,071.75, To be Paid: \$20,267.85)

#### Progress Report (300 word maximum):

We have designed and simulated a novel charge-sensing silicon device with very high scaling properties. The design has been fabricated and is being tested at Coover Hall. The microscope and imaging system is being installed. This will be used for testing characteristics of living cells and microorganisms under various levels of electrical fields. Fabrication of other devices is in progress at the Microelectronics Research Center, ISU for the separation of proteins based on their charge and size.

Publications/presentations based on project: None

Awards received: None

**Invention disclosures:** None

#### External funding applied for (indicate received/denied/pending):

Investigators: Jim Alleman and Tom Cackler Project: Recycled Materials Resource Center Sponsor: Federal Highway Administration

Duration: 5/1/07 - 4/30/2011

Funding: \$4,258,532

Denied

Investigator: Jim Alleman

Project: CCEE Learning Community

Sponsor: Target Corp. Campus Grant Program

Duration: 1/1/2007 – 12/31/2007

Funding: \$2,000

Received

Investigator: Jim Alleman

Project: ISU Student Study Lounge Proposal Sponsor: Mass Electric Construction Co.

Duration: 7/15/06 - 6/30/07

Funding: \$20,500

Pending

Note: The above mentioned proposals are for Dr. Jim Alleman only. He is the recipient of the Battelle funding, however due to this generous gift, all faculty have benefited from the \$6300 donation. Particularly, many more proposals have been submitted, received and/or denied throughout the 6 month project.

#### Equipment Purchased/Renovations Made:

Dual Core Intel Xeon 5050 Server for the CCEE Department. New server provides the capability of larger memory storage and real-time computer access for an entire research group.

#### Progress Report (300 word maximum):

This server has benefited several research groups within the CCEE Department, specifically those of Dr. Chuck Jahren and Dr. David White, most recently. The infrastructure is set such that the faculty and research groups can spend their time doing the actual research with real-time data and less time working on data management and maintenance. The server has provided exceptional capabilities than is typically feasible with Departmental budgetary constraints.

#### **ADVANCED MANUFACTURING PLATFORM**

#### **PROJECT FUNDS**

CIRAS has stopped spending state (Battelle) dollars as we gather information to determine if there is enough interest in this work by Iowa manufacturers. A summary of progress to date is listed below.

An industry Advisory group has been formed using three members of the CIRAS Advisory Council. Members are:

- · Jeff Judisch, Quality Assurance Manager, United Equipment Accessories, Inc., Waverly
- Kevin Urban, President, Midwest Metal Products, Cedar Rapids
- · Bill Madsen, Manager, Order Fulfillment Integration, Worldwide Supply Chain Management, Deere & Company

CIRAS continues to work with John Deere on a "large" OEM supply chain effort. This work is in concert with the Wisconsin Manufacturing Extension Partnership.

CIRAS staff met with Rockwell staff to determine their interest in a Deere-type approach with Rockwell suppliers.

A meeting was held with an Ag industry OEM to brainstorm what a supplier development program should look like and provide in order to be successful from the perspective of an OEM with fewer than 1000 employees (as opposed to the very large OEMs like Deere and Rockwell). Present at the meeting representing the OEM were the President and the Materials Manager of a mid-sized Iowa company.

CIRAS staff gave a brief overview of three known approaches to supplier development:

- Wisconsin MEP type specialized value stream mapping to reduce manufacturing critical path time (such as JD and others are using in IA) done with individual suppliers
- A lean assessment used to identify weak areas and select improvement area (such as Northrop Grumman is using) done with individual suppliers
- Provide a group training session for suppliers on the basic concepts of the chosen approach usually Lean and attempt to motivate suppliers to adopt

We discussed some possible obstacles:

- · In cases like JD and Northrop, the OEM is paying for a large portion of the initial engagement/assessment, if not for all of it. Can smaller OEMs mimic that?
- Data and measuring success sharing of data/confidentiality

The key points brought up were:

- The OEM expressed their #1 need as 'quality' rather than delivery. So they were interested in something that could focus on quality. (FYI Quality was the number one need that surfaced in the CIRAS survey of 4,000 Iowa manufacturers.)
- Quality is a broad concept; each individual supplier's need is different. As such, they feel a program would have to be customizable to the supplier's need.
- They are relatively small (they have some suppliers like Sauer/Danfoss that dwarf them) so they don't think they will have any traction with those companies.
- They do have smaller suppliers with whom they do have more leverage probably 15-20 in Iowa.
- Getting an incentive for the supplier to participate may be a challenge. Typically the charge-backs on quality are not huge. Perhaps the ability to benefit from the growth of the OEM might be an incentive. However, it was also noted that they single source most of

these components. Or, perhaps, the supplier might be motivated by the fact that system improvements they make as a result of this project can be used with all the accounts they service

· Some suppliers will tell CIRAS that the OEM causes some of the quality problems. The OEM saw this as a good opportunity for two-way improvement.

#### Conclusions:

- "Smaller" OEMs are interested.
- The program would probably have to provide a flexible approach.
- · Motivation will be a challenge because the 'smaller' OEM does not have much seed money to pay for initial engagements.
- · CIRAS needs to develop and present a coherent model before the OEM can give a strong ves or no.
- We should definitely contact additional 'smaller' OEMs to discuss/flush out potential approaches and obstacles.

#### Next actions:

- Meet with the Industry Advisory group prior to the next CAC meeting
- · Meet with 1 or 2 more 'smaller' OEMs, or tier 1 suppliers that have sufficient supply base to merit such a program.

# The University of Iowa 2007 Annual Economic Development Report Submitted to The Board of Regents

#### **EXECUTIVE SUMMARY**

Inspired by the Grow Iowa Values Fund (GIVF) and the Battelle Reports on Biosciences, Advanced Manufacturing and Information Solutions, The University of Iowa took a fresh look at its economic development activities and reorganized and reinvigorated them in a way that engages the University more fully and effectively in Iowa's economic development. One important result was the formation in 2005 of the IOWA Centers for Enterprise. Another was the *strategic* investment of GIVF and Battelle funds in building the University's *capacity* to drive economic development based on its academic and research strengths and through the integrated efforts of the IOWA Centers for Enterprise. The GIVF and Battelle fund investments are *essential* to building the University's capacity to engage fully in Iowa's economic development.

The IOWA Centers for Enterprise is an integrated effort comprising the activities of six University units plus liaisons with each College on the campus. As an integrated organization, it embraces outreach, workforce development, technology transfer and commercialization, entrepreneurship, and research- and education-driven economic development. The six units of the IOWA Centers for Enterprise include:

- The Oakdale Research Park (ORP)
- The Technology Innovation Center (TIC)
- The University of Iowa Research Foundation (UIRF)
- The John Pappajohn Entrepreneurial Center (JPEC)
- The University of Iowa Small Business Development Center (SBDC)
- The Office of Corporate Partnerships (OCP)

Their contributions to Iowa's economic development are summarized in this report.

#### **Institutional Economic Development and Technology Transfer Programs**

The Technology Innovation Center fosters the development of new technology-based business ventures by offering specialized facilities and services to sustain them in their early, most vulnerable years. The Oakdale Research Park provides established corporations with easy, sustained access to relevant research resources at The University of Iowa. Firms in the park can expect to establish and sustain working relationships with UI faculty scientists, physicians, and engineers.

The 46 active Iowa companies affiliated with TIC and ORP reported 1,592 employees earning an average salary of nearly \$60,000. The four UI anchor laboratories at Oakdale reported another 188 employees, for a total workforce of 1780 employees. The 1,780 employees of TIC/ORP affiliate companies and labs reported living in 29 counties and 80 cities and towns in Iowa, a regional labor shed covering approximately one-third of the State.

Assuming a State income tax rate of 5%, employees of TIC/ORP affiliates paid approximately \$5.2 million in State income taxes in FY06. TIC/ORP affiliates reported employing 91 UI students, while 138 employees had earned doctoral degrees. In FY07 the TIC accepted two new tenant companies while four firms met their business goals upon "graduating" from the incubator. The ORP welcomed one new tenant, National Genecular Institute, Inc.

The University of Iowa Research Foundation is a non-profit corporation closely aligned with the UI. It takes ownership of and manages UI created intellectual property (IP) and the subsequent revenue stream related to licensing technologies. The UIRF works closely with UI faculty in developing the strategies required to commercialize inventions and intellectual property through the creation of new companies. This includes (i) Intellectual Property protection strategies and execution; (ii) commercialization strategies relating to licensing to existing or new companies; (iii) business model development for UI spinout companies (new companies based substantially on UI technologies); and (iv) due diligence on the viability of UI spinout companies.

UIRF invests human and capital resources in creating new business opportunities from that IP, some of which result in the formation of new companies and resulting jobs. For example, one of our new companies is projecting approximately 25 new jobs to be employed by the company's R&D division located in Iowa City. In FY07 the UIRF received 89 disclosures of intellectual property, filed 130 patent applications related to University innovations, had 119 patent applications mature into issued patents, completed 34 license and option agreements related to University intellectual property, and received \$17.4 million in royalties and license fee income. The UIRF supported the formation and/or development of 7 new potential high tech companies; about half of these subsequently received federal or private funding in FY07 to advance their products.

The John Pappajohn Entrepreneurial Center provides a rich program of education and outreach services to undergraduate and graduate students at the University of Iowa and broadly to the entrepreneurial community in Iowa. It sponsors youth outreach programs directly to young people and to middle school and high school teachers by training and supporting them through incorporating entrepreneurship into their classrooms. With the support of a generous gift from Richard O. Jacobsen, in FY07, JPEC formed the Richard O. Jacobsen Institute for Youth Entrepreneurship. JPEC also provides a rich array of educational programs to entrepreneurs. It also sponsors a venture capital conference and is the regional administrator of the Wellmark Venture Capital Fund, a \$5 million fund created by Blue Cross and Blue Shield of Iowa to support the creation and growth of new businesses throughout the state. The Pappajohn Center also counsels entrepreneurs in forming business plans, obtaining capital for their business, and in a host of other business-support activities.

**The Small Business Development Center** provides a wide range of business counseling to small businesses in Iowa. In FY07, the SBDC served 222 clients in 13 Iowa counties, served 50 startups, dedicated almost 1,200 hours to clients, assisted clients in obtaining more than \$3.5 million in loans, and supported the creation of an estimated 117 jobs by its small business clients.

The Office of Corporate Partnerships links Iowa businesses to University of Iowa knowledge resources. It links Iowa companies to other units of the IOWA Centers for Enterprise and helps companies link with technical resources, faculty expertise, student interns, graduating students as employees, and many other resources of the University. The OCP works closely with the Iowa Department of Economic Development in economic development activities in which the University of Iowa can serve as a resource, and it serves as the single point of access for companies having inquiries and requests for assistance. In FY07, the OCP completed 37 visits to Iowa biotechnology, advanced manufacturing and information solutions companies. It arranged visits of companies and individuals to the University of Iowa campus and identified technical needs of several companies and worked with units of the University to address those needs.

#### **Other Units:**

#### **Center for Advanced Drug Development (CADD)**

The Center for Advanced Drug Development (CADD) is a division of the University of Iowa College of Pharmacy, and is located in the Oakdale Research Park. The Center offers contract services to the pharmaceutical and biotechnology industry which complement those of the College's Division of Pharmaceutical Service. All procedures are carried out in adherence to current Good manufacturing Practices (cGMP) as mandated by the FDA. The Division of Pharmaceutical Service, the only comprehensive FDA registered facility in a College of Pharmacy in the U.S., offers the unique capability to produce under contract limited quantities of new medicines under FDA approval. The capacity is particularly valuable to firms wishing to bring new products through clinical trials.

Currently CADD has 39 clients, three of these companies are located in Iowa. CADD has also been working in the current year with clients from Canada, Taiwan and Japan. A new trend among our clients is to not only file new applications at the FDA, but also at regulatory bodies in Japan and Europe, which means that our procedures must satisfy the different regulatory agencies.

#### **Grow Iowa Values Fund Projects**

Using the University of Iowa allocation of Grow Iowa Values Funds, the Office of the Vice President for Research established and implemented a program that incorporates two distinct and interdependent phases: I-START, which is targeted at the short-term goal of facilitating university-private sector partnerships in entrepreneurship and the creation of new companies and jobs in Iowa, and I-GROW, which is designed to address middle- to long-term commitments needed to strengthen the University's *capacity* to promote and sustain high tech entrepreneurship and promote research- and technology-driven economic development in Iowa.

I-START funds are being used to:

- Set aside funds for construction of a new life sciences business incubator the UI BioVentures Center which will begin in fall 2007 and be completed by fall 2008.
- Hire a seasoned (25+ years experience) technology transfer and economic development professional to lead the IOWA Centers for Enterprise in UI's economic development initiatives.
- Provide gap funding for three faculty projects that show strong hope for commercialization. This funding is essential to move their nascent innovations down the developmental pipeline. All six projects (3 from 2006 and 3 from 2007) have a corporate partner and/or are being groomed as spin-out companies.
- Provide support to bolster the activities of the Office of Corporate Partnerships, which in turn supports the IOWA Centers for Enterprise in serving as the single point of access to companies seeking to link with the resources of the University to meet their needs.
- Support the hiring of a Faculty Entrepreneurship Coordinator in The John Pappajohn
  Entrepreneurial Center. This entrepreneur contributes to the undergraduate and
  graduate entrepreneurism curriculum, provides outreach to the community of
  entrepreneurs in Iowa, and counsels students, faculty and the public at-large
  concerning entrepreneurism.
- Hire a nationally recognized consultant to assist in developing the vision for a reinvigorated Oakdale Research Park and Technology Innovation Center. Hire consultants to assist in developing a signage plan, covenants and architectural guidelines for the Park, and a marketing plan for the BioVentures Center/Technology Innovation Center.
- Renovate the facilities of the Center for Biocatalysis and Bioprocessing to transform it into a facility that meets U.S. Food and Drug Administration current Good Manufacturing Practices standards necessary to be able to produce supplies of materials used in human clinical trials.

I-GROW funds are being used to provide a start-up funding package for the research program of Dr. Venkiteswaran ("Mani") Subramanian, Director of the Center for Biocatalysis and Bioprocessing (CBB). Dr. Subramanian brings 24 years of industrial experience to the University, and this start-up package was essential in attracting this highly entrepreneurial faculty member to The University of Iowa.

#### **Battelle Fund Projects**

Battelle funds allowed UI to complete the following by the end of FY07:

- Design of the new life sciences incubator facility the BioVentures Center is complete. Construction will begin fall 2007 and be completed fall 2008.
- A building at Myriad Plaza on the Oakdale Research Park was purchased and renovated allowing UI to provide space for a company
- One endowed professorship was filled, allowing UI to retain one of our most entrepreneurial faculty who was being recruited by a university on the east coast.
- Eight platform research efforts related to IT, biogenetics, bio-imaging, drug discovery, therapeutics animal models, and genomics were bolstered.

#### **Battelle Reallocation / Re-budget**

During the August 2006 Board of Regents Meeting, the Battelle budgets for Infrastructure, Endowment and Core Platforms were approved. The Vice President for Research requests reallocation in two of these areas.

Core Platforms – the amount allocated to the Myriad Fit-Out should increase by \$90,000 for a total amount of \$1,090,000. When the original documents were submitted in August of 2006, the \$90,000 was inadvertently left out of the budget (docketed amount was \$3,600,000). By adding this amount to the Myriad Fit-Out, the total in the Core Platforms budget will be \$3,690,000.

Infrastructure – there was \$100,000 allocated to the Myriad Fit-Out under this section of the Battelle Budget. We request that this \$100,000 be reallocated to the New TIC (BioVentures) building. This reallocation would bring the TIC budget to \$1,420,000 and the Myriad Fit-Out to zero.

# The University of Iowa 2007 Annual Economic Development Report Submitted to The Board of Regents

#### INTRODUCTION

Inspired by the Grow Iowa Values Fund (GIVF) and the Battelle Reports on Biosciences, Advanced Manufacturing and Information Solutions, The University of Iowa took a fresh look at its economic development activities and reorganized and reinvigorated them in a way that engages the University more fully and effectively in Iowa's economic development. One important result was the formation in 2005 of the IOWA Centers for Enterprise. Another was the *strategic* investment of GIVF and Battelle funds in building the University's *capacity* to drive economic development based on its academic and research strengths and through the integrated efforts of the IOWA Centers for Enterprise. The GIVF and Battelle funds investments are *essential* to building the University's capacity to engage fully in Iowa's economic development.

The IOWA Centers for Enterprise is an integrated effort comprising the activities of six University units plus liaisons with each College on the campus. As an integrated organization, it embraces outreach, workforce development, technology transfer and commercialization, entrepreneurship, and research- and education-driven economic development. The six units of the IOWA Centers for Enterprise include:

- The Oakdale Research Park (ORP)
- The Technology Innovation Center (TIC)
- The University of Iowa Research Foundation (UIRF)
- The John Pappajohn Entrepreneurial Center (JPEC)
- The University of Iowa Small Business Development Center (SBDC)
- The Office of Corporate Partnerships (OCP)

Their contributions to Iowa's economic development are summarized in this report.

- 1. Please briefly describe the relationship of your institution's economic development activities to the enhancement of economic growth in the state. The description should cover, but not necessarily be limited to the following:
  - a. The relationship between institutional activities and creation of jobs and wealth in Iowa
  - b. Institutional activities and services which indirectly promote economic development, such as training provided to staff of local economic development agencies.

#### **Technology Innovation Center & Oakdale Research Park**

The Technology Innovation Center business incubator fosters the development of new technology-based business ventures by offering specialized services and facilities to sustain them in their early, most vulnerable years. The University of Iowa Oakdale Research Park provides established corporations with easy, sustained access to relevant research resources at The University of Iowa. Specialized UI laboratories especially relevant to needs of business and industry have been strategically located on the Research Park for easy corporate access. These "magnet labs" include facilities dedicated to human health and medicine, the Center for Biocatalysis and Bioprocessing (fermentation/industrial biotechnology), the Center for Advanced Drug Development (pharmaceutical assays and stability studies) and the National Advanced Driving Simulator.

Firms in the Innovation Center and Research Park can expect to establish and sustain working relationships with UI faculty scientists, physicians, and engineers. UI students find it convenient to secure internships and part-time employment with these firms.

The Center and Park are making important contributions to growing Iowa's economy, and with the State, the region and the private sector as partners these programs are poised to implement a new vision for an even greater role in Iowa's future economy.

In FY 2007, the 46 active companies affiliated with the Innovation Center and Research Park reported 1,592 employees. The four UI magnet laboratories on the Park reported 188 employees for a total work force of 1,780 for affiliates of the UI Innovation Center and Research Park. That total included 91 UI student employees and interns, while 138 employees had earned a doctoral degree.

Companies and laboratories affiliated with the UI Innovation Center and Research Park draw employees from a labor shed that covers 80 Iowa cities and towns and 29 Iowa counties – nearly one-third of the State.

The average annual salary of the corporate employees was more than \$58,000 and the average annual salary offered a new college graduate was more than \$40,000.

Assuming a State income tax rate of 5%, the employees affiliated with the Innovation Center and Research Park paid an estimated \$5.2 million in State income taxes in FY 2006.

In FY 2007, one new company, National Genecular Institute, Inc., moved to the Research Park; while two new companies, KemPharm, Inc. and The Thomas Group, became new tenants in the Innovation Center. One company, AISST (American Institute of Sustainable Science and Technology), graduated from the Center in FY 2007.

Also in FY 2007, the Innovation Center and Research Park completed feasibility studies and planning for a new life sciences business incubator facility that is expected to open in the Park in early FY 2009. Consultants completed a new master plan that will guide future development in the Park and began a needed revision of activity covenants and architectural

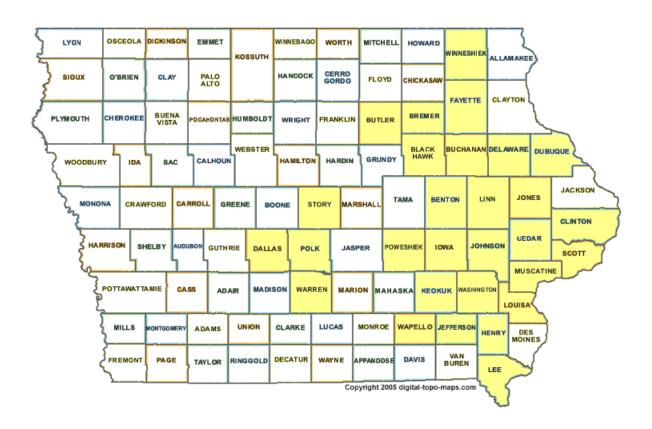
guidelines for the Park. A consultant was retained to prepare recommendations for comprehensive marketing plans for the Center and Park.

In FY 2007, the Technology Innovation Center initiated an Educational Seminar Series to address interests and needs of the Innovation Center tenant companies. The initial seminar program focused on UI Career Services to assist incubator companies in identifying and hiring top interns and graduates. A second seminar planned for early FY 2008 is a two-day workshop on SBIR/STTR Phase I and Phase II grant writing. More educational seminars are being planned for FY 2008.

In FY 2007, the Center continued to offer a series of programs called Tech Innovation Center Roundtables. These programs also focused on the needs of the Innovation Center tenant companies. Each Roundtable included substantive presentations by selected tenant companies on their activities, presentations by the Executive Director and staff, and participation by community partners and other units of IOWA Centers for Enterprise. Five Roundtables were presented in FY 2007 and a minimum of six are planned for FY 2008.

In FY 2007, State Special Purpose Appropriations for Economic Development were \$43,701 for the Innovation Center and \$92,961 for the Research Park.

#### FY07 Labor Shed for Affiliated Companies and Labs UI Oakdale Research Park and Technology Innovation Center



Labor Shed Counties in Yellow

#### The University of Iowa Research Foundation

The University of Iowa Research Foundation (UIRF) - a 501(c)3 corporation - commercializes University of Iowa developed technologies and inventions through licensing and new venture formation, and manages the subsequent revenue stream. The UIRF's contribution to economic development in the state of Iowa in FY07 fell into these categories:

- **GAP FUNDS:** Monitored and evaluated progress on the Gap Fund by matching GIVF monies with UIRF dollars to fund the development of 6 new UI spinout company product prototypes or core intellectual property.
- **NEW COMPANIES:** Formation and/or development of 7 new potential high technology companies; about half of these subsequently received federal or private funding in FY07 to advance products.
- **TECHNOLOGY MARKETING:** received 89 UI invention disclosures in FY07; filed 130 patent applications, and marketed approximately 800 technologies for licensing. UIRF is actively seeking out Iowa licenses whenever a match with company needs is found.
- **LICENSING:** Completed 34 option and license agreements, executed 3 licenses to existing Iowa companies. Note that UI's portfolio is largely human life sciences and currently has little overlap with most Iowa companies, although emerging software and engineering technologies should shift the mix over time.
- REVENUES: Received \$17.4M in licensing revenues, which helped to ensure UI technology commercialization, provided the UI, colleges, and departments revenues for further technology research, and rewarded inventors for entrepreneurial activity
- **IOWA EMPLOYMENT:** 12 full time employees, 2 part time employees, 1 industry consultant, 1 auditing firm and 2 law firms.
- **COLLABORATION:** Collaboration with other economic development organizations and individuals, such as Iowa City Area Development Group (ICAD), the Southeast Iowa Venture Fund (SIVF) and Iowa entrepreneurs and investors.

#### The John Pappajohn Entrepreneurial Center

Formed in 1996, JPEC is an innovator in delivering interdisciplinary courses and specialized life-long learning programs to meet the unique needs of aspiring entrepreneurs and leaders. JPEC offers academic programs and technology commercialization support.

#### **Academic Programs**

JPEC has developed a comprehensive, interdisciplinary program that combines academic coursework with experiential learning for all students across the UI campus. This innovative approach is designed to prepare graduates to pursue the creation of new ventures and apply entrepreneurship concepts in their career endeavors. Each year, over 2,000 students enroll in entrepreneurship courses at Iowa.

#### **Certificate in Entrepreneurship**

Students in business, health sciences, and liberal arts and sciences may earn the certificate in addition to their undergraduate degrees. The program encompasses advanced entrepreneurship theory and practice and teaches students how to apply entrepreneurship to their primary fields of study.

#### **Technological Certificate**

The first of its kind at any U.S. engineering college, the Technological Entrepreneurship Certificate gives engineering students specialized training on the entrepreneurial process. This program is a combination of advanced entrepreneurship and engineering courses specifically tailored for each engineering discipline.

#### **Performing Arts Entrepreneurship Major**

Performing arts students gain a competitive edge by earning an undergraduate degree in Performing Arts Entrepreneurship. Designed for students who intend to start their own business in dance, theatre arts, or music, this unique curriculum provides an avenue for developing core entrepreneurial skills.

#### MBA Concentration

The MBA Concentration in Entrepreneurship is designed for graduate students to study in an advanced, interdisciplinary environment with applications from medicine, engineering, computer science, and business. A strong emphasis is placed on starting and growing technology-based ventures.

#### **Experiential Learning**

Student teams conduct field study projects for area early stage companies working with entrepreneurs in the biosciences, information technologies, and advanced manufacturing industries, as well as faculty from the Colleges of Medicine and Engineering.

#### **Entrepreneurship Club**

Members of I-Envision, the campus wide entrepreneurship club, learn how to start and maintain businesses, work on community service projects, learn from successful entrepreneurs, and attend regional and national conferences. I-Envision is a member of the Collegiate Entrepreneurs Organization and Students in Free Enterprise.

#### **Learning Community**

Incoming first-year students have the opportunity to live with like-minded students on the Leadership Community in Business and Entrepreneurship residence hall floor. This unique living and learning environment provides students with educational and social opportunities while introducing entrepreneurship as a field of study and career path.

#### **Business Plan Competitions**

In addition to national competitions, UI students compete for seed funding through the Volding Business Plan Competition, the Storer Engineering Start-up Award, and the statewide Pappajohn NewVenture Business Plan Competition.

#### **Entrepreneur-in-Residence**

Sponsored by Iowa State Bank & Trust Company, this program partners successful entrepreneurs with business-minded students and includes intensive one-on-one mentoring. In addition, JPEC faculty and staff regularly mentor and assist UI student entrepreneurs, as well as help access capital including the Wellmark Venture Capital Fund, area angel networks, and other sources of funding.

#### **Consider Iowa Internship**

UI students gain firsthand experience at a start-up company through this unique internship program where entrepreneurship students work as paid interns in emerging Iowa businesses. JPEC provides training to the intern and business consulting to the host company.

#### **Technology Commercialization**

Providing specialized entrepreneurial education and consulting services to UI faculty, staff, and students is a major component of JPEC's overall mission to foster the spirit of innovation and entrepreneurship in Iowa. These activities lead to the creation and expansion of sustainable business ventures, while offering entrepreneurship students exciting experiential learning opportunities.

#### **Technology Commercialization and Faculty Entrepreneurship**

JPEC leads programs involving education and business support for technology-based ventures. The Center sponsors several seminars and workshops on entrepreneurship, technology commercialization, and new venture financing. One-on-one consulting and mentoring is also provided to UI entrepreneurs pursuing the creation of a technology venture.

#### **E-Teams**

JPEC faculty directs interdisciplinary commercialization evaluation teams of graduate students, faculty, and outside mentors. These teams conduct comprehensive market studies of UI-based technologies and often work closely with faculty entrepreneurs on the development of business plans for the creation of new technology ventures.

#### **Other Units:**

#### **Center for Advanced Drug Development (CADD)**

The Center for Advanced Drug Development (CADD) is a division of the University of Iowa College of Pharmacy, and is located in the Oakdale Research Park. The Center offers contract services to the pharmaceutical and biotechnology industry which complement those of the College's Division of Pharmaceutical Service. All procedures are carried out in adherence to current Good manufacturing Practices (cGMP) as mandated by the FDA. The Division of Pharmaceutical Service, the only comprehensive FDA registered facility in a College of Pharmacy in the U.S., offers the unique capability to produce under contract

limited quantities of new medicines under FDA approval. The capacity is particularly valuable to firms wishing to bring new products through clinical trials.

This Center, which is an integral resource in the state's bioeconomy economic development agenda, offers non-production services and contract services relevant to the clinical trials process which complement those of the Division of Pharmaceutical Service, and explicitly include:

- Management of FDA relationships for clients, especially in the processing of new drug applications,
- Development and execution for new chemical assays for new dosage forms and chemical entities,
- Development and execution of stability studies of candidate medicine dosage forms and
- Testing of active pharmaceutical ingredient/excipients for compliance.

This Center addresses a crucial economic need to shorten the lead time between new pharmaceutical discoveries in the laboratory and their commercialization in the market place. Because pharmaceuticals occupy such a potentially important part of the state's high technology portfolio, as well as a critical role in the University's economic development efforts, the Center increases economic resources in a strongly competitive environment. In addition, as the state looks ahead to an investment to enhance its biotechnology infrastructure for both animal and human health, the Center will play a major role (along with the Center for Biocatalysis and Bioprocessing and the Division of Pharmaceutical Service) in the University's ability to interact with the biotechnology industry to shorten the time to market for new therapies. This new initiative will also attract interest from a completely new industry base, composed of mainly start-up companies, who may be recruited to Iowa.

Initially, clients were drawn from the existing client base of the Division of Pharmaceutical Services. New clients are being drawn from biotechnology companies, manufacturers of pharmaceutical excipients, and a growing pool of U.S. and foreign pharmaceutical firms. The Center, as well as Pharmaceutical Services, are particularly well positioned to work directly with discoveries from Iowa university research laboratories; thereby providing an opportunity to hasten technology transfer and shorten the time to market. The presence of these FDA registered facilities along with the Center for Biocatalysis and Bioprocessing makes UI unique among US universities to provide this type of infrastructure for pharmaceuticals and biological products.

Currently CADD has 39 clients, three of these companies are located in Iowa. CADD has also been working in the current year with clients from Canada, Taiwan and Japan. A new trend among our clients is to not only file new applications at the FDA, but also at regulatory bodies in Japan and Europe, which means that our procedures must satisfy the different regulatory agencies.

At present, the personnel consists of 16.25 full-time employees. The majority of personnel are from surrounding cities, with some traveling as far as Oelwein and Muscatine.

CADD strives to continuously update instrumentation, the software packages used to control instruments and to calculate results, to ensure the availability of state-of-the-art facilities. All software packages are reviewed to assure adherence to FDA regulations for electronic equipment.

Minor renovation was undertaken in the Physiology Research Laboratory building, to be able to combine all the stability cabinets in a space that can be secured, to be compliant with the DEA regulations for controlled substances. An emergency power backup unit to the stability cabinets was also installed.

### 2. Please provide the following information for FY 2007: (If your institution utilizes additional metrics specific to your institution's specialized areas of research or service, please include them here.)

Number of disalogues of intellectual grouperty	87
a. Number of disclosures of intellectual property	87
b. Number of patent applications filed	72
• U.S. Applications	45
National Applications	
Patent Cooperation	13 130
Total Applications	
c. Number of patents issued	119
d. Number of license and option agreements executed on institutional intellectual	
property	34
• In Iowa	3
e. Number of license and option agreement yielding income	151
f. Revenue to Iowa companies as a result of licensed technology	\$1.5 million
g. Number of startup companies formed	1
• In Iowa	1
h. Number of companies in research parks and incubators	50
i. Number of new companies in research parks and incubators	3
j. Number of employees in companies in research parks and incubators	1,780
k. Royalties and license fee income	\$17.4 million
1. Total sponsored funding	\$382.2 million
m. Corporate sponsored funding for research and economic development	
In total	\$41.8 million
• In Iowa	\$1.6 million
n. Iowa special appropriations for economic development in the following	
categories	
<ul> <li>Annual state appropriations for ongoing programs (such as research parks,</li> </ul>	
SBDE, IPRT, IDM, Metal Casting Center)	\$247,005
Grow Iowa Values Fund appropriations	\$1,925,000
Battelle appropriations	\$8,410,000

- 3. Please describe the ways in which your institution is engaged in the following activities (For example, What is the nature of the outreach and service activities? Which units provide it? What kinds of people and organizations benefit?):
  - a. Direct and hands-on technical assistance to businesses and entrepreneurs
  - b. Direct economic development assistance to Iowa communities
  - c. Economic development services provided by the research parks, incubators or similar service units

#### **IOWA Centers for Enterprise Senior Staff Board and Related Affiliation**

Senior Staff	Department	Board Affiliation
Vice President Meredith Hay	Vice President for Research	<ul> <li>US Bank Iowa City Community Advisory Board</li> <li>Board of Directors for United Way of Johnson County</li> <li>Member of United Way Johnson County Campaign Cabinet</li> <li>Board Member, Cedar Rapids Chamber of Commerce Priority One</li> <li>Member, Iowa City Area Development</li> <li>Board Member, BIOWA</li> <li>"Light the Night" Lymphoma/Leukemia Society Honorary Chair</li> <li>Member, Iowa Business Council</li> <li>Member, Bioscience Alliance of Iowa Board</li> </ul>
Thomas R. Sharpe, Ph.D., Associate Vice President for Research: Economic Development	IOWA Centers for Enterprise	<ul> <li>Board of Directors, Technology         Association of Iowa</li> <li>Board of Directors, Iowa         Information Technology Council</li> <li>Board of Directors, Bioscience         Alliance of Iowa</li> <li>Board of Directors, Iowa City Area         Development Group         <ul> <li>Entrepreneurial</li></ul></li></ul>

		<ul> <li>Member, Iowa City Chamber of Commerce         <ul> <li>Economic Development Legislative Subcommittee</li> </ul> </li> <li>Board of Directors, Junior Achievement of Easter Iowa, Iowa City Area</li> <li>Board of Directors, University of Iowa Research Foundation</li> <li>Board of Directors, University of Iowa Research Park Corporation</li> <li>Panelist, National Science foundation SBIR/STTR Proposals Reviews</li> </ul>
Pam York, Ph.D., Executive Director	University of Iowa Research Foundation	<ul> <li>Member, Prolog Venture Capital Deal Flow Committee for the state of Iowa</li> <li>Board Member, Iowa city Area Development Group</li> <li>Advisory Board Member, Pohaku, Inc.</li> <li>Advisor, Southeast Iowa Venture Fund Foundation Board</li> <li>Selection Committee Member, Technology Council of Iowa</li> <li>Panelist, National Science Foundation Small Business Innovation Research (SBIR) program</li> </ul>
Brenda Akins, Associate Director	University of Iowa Research Foundation	<ul> <li>Vice President and Board of Director, Iowa City Community School District Foundation</li> <li>Outgoing Council, Chair and Council Member, Iowa City Area Chamber Community Leadership Program</li> <li>Advisory Board, Iowa State Bank &amp; Trust</li> </ul>
Diane Gallagher, Director	Office of Corporate Partnerships	<ul> <li>Iowa Rural Development Council</li> <li>Iowa Careers Consortium Advisory Board</li> <li>Iowa Biotechnology Association</li> </ul>
Paul Heath, Director	Small Business Development Center	<ul> <li>Board of Directors, MEI-Charlton</li> <li>Iowa City Area Chamber of Commerce Legislative Economic</li> </ul>

Development Subcommitte
AICPA – American Institute of
Certified Public Accountants
<ul> <li>IMA, Institute of Management</li> </ul>
Accountants
<ul> <li>University of Iowa Small Business</li> </ul>
Development Center Advisory
Board
<ul> <li>Professional Developers of Iowa</li> </ul>
<ul> <li>Old Capitol Kiwanis Club</li> </ul>
American Institute of Individual
Investors

#### The Technology Innovation Center and Oakdale Research Park

The UI Oakdale Research Park (ORP) and the affiliated UI Technology Innovation Center (TIC) business incubator are physically located on the UI Oakdale Research Campus in Coralville. Corporate tenants of the Park typically require sustained relationships with UI in the form of access to specialized research facilities, research faculty consultation, opportunity for research collaboration, access to a pool of student interns and part-time employees, opportunity to do business in a research park environment, proximity to intellectual property licensing opportunities, among others. Corporate tenants in the TIC incubator share many requirements of the larger and more established Park companies, but early-stage TIC firms seek cost-effective office and laboratory space and shared office services in an "incubator" environment. New technology ventures often require individual assistance with business planning, establishing UI research relationships, identifying professional service providers, introductions to local and state government agencies and the regional business community, help in identifying potential sources of investment and other funding, communications and other needs on a case-by-case basis. The Park and the TIC incubator are among the major programs by which UI encourages new "spin-offs" from its research and other new technology ventures in the state, and also by which new and growing technology ventures are recruited to the state.

Name of Business or Other Entity Served	City and County where this Project is in Place		University Unit that interacted with business or other entity	Activity
	City	County		
				BUSINESS INCUBATOR TENANTS
AISST, Inc.	Coralville	Johnson	Technology Innovation Center	
Vertex Pharmaceuticals	Coralville	Johnson	Technology Innovation Center	
Digital Artefacts, LLC	Coralville	Johnson	Technology Innovation Center	
Applied Fullerene	Coralville	Johnson	Technology Innovation Center	
Pharmacom Corporation	Coralville	Johnson	Technology Innovation Center	
Innomatix, LLC Ramaanchar Technologies,	Coralville	Johnson	Technology Innovation Center	
Inc.	Coralville	Johnson	Technology Innovation Center	
IAgen, LLC	Coralville	Johnson	Technology Innovation Center	
K2 Technologies	Coralville	Johnson	Technology Innovation Center	
Corridor Business Journal	Coralville	Johnson	Technology Innovation Center	
VIDA Diagonostics	Coralville	Johnson	Technology Innovation Center	
Componica, LLC	Coralville	Johnson	Technology Innovation Center	
Cellular Engineering Tech.	Coralville	Johnson	Technology Innovation Center	
Actual Safety, INC.	Coralville	Johnson	Technology Innovation Center	
Selim Laboratories, Inc.	Coralville	Johnson	Technology Innovation Center	
KemPharm, Inc.	Coralville	Johnson	Technology Innovation Center	
The Thomas Group	Coralville	Johnson	Technology Innovation Center	
				RESEARCH PARK TENANTS
Innovative Software			Oakdale Research Park/TIC	
Engineering	Coralville	Johnson	Graduate Oakdale Research Park/TIC	
LMS North America	Coralville	Johnson	Graduate	

			Oakdale Research Park/TIC	
Breakthrough to Literacy, Inc.	Coralville	Johnson	Graduate	
Stanley Environmental, Inc.	Coralville	Johnson	Oakdale Research Park	
Vangent, Inc.	Coralville	Johnson	Oakdale Research Park	
Integrated DNA	G 1 111		Oakdale Research Park/TIC	
Technologies, Inc.	Coralville	Johnson	Graduate	
Pearson Educational	Coralville/Iowa			
Measurement	City	Johnson	Oakdale Research Park	
National Genecular Institute	Coralville	Johnson	Oakdale Research Park	
		I		
				OTHER BUSINESS
				INCUBATOR GRADUATES
				ACTIVE IN IOWA
Garvin Consulting Services	North Liberty	Johnson	Technology Innovation Center	
	Lowden, North			
Ecolotree, Inc.	Liberty	Cedar, Johnson	Technology Innovation Center	
Accredo Therapeutics	Iowa City	Johnson	Technology Innovation Center	
Corcoran Communications,				
Inc.	Iowa City	Johnson	Technology Innovation Center	
Buckle Down Publishing, Inc.	Iowa City	Johnson	Technology Innovation Center	
Bio-Research Products, Inc.	North Liberty	Johnson	Technology Innovation Center	
aJile Systems, Inc.	Cedar Rapids	Linn	Technology Innovation Center	
CompuTerra, Inc.	Cedar Rapids	Linn	Technology Innovation Center	
Entrepreneurial Learning				
Systems	Iowa City	Johnson	Technology Innovation Center	
Caviforce Technologies, Inc.	Des Moines	Polk	Technology Innovation Center	
Sebesta Blomberg & Assoc.,	C111.	T-1	Tark and area Innocessian Conf	
Inc.	Coralville	Johnson	Technology Innovation Center	
HomeSafe	Coralville	Johnson	Technology Innovation Center	
Integrated DNA	Coralville	Johnson	Oakdale Research Park/TIC	

Technologies, Inc. The Patient Education Institute	Coralville/Iowa City	Johnson	Graduate Oakdale Research Park/TIC Graduate	
	Coralville/North		Oakdale Research Park/TIC	
Police Law Institute	Liberty	Johnson	Graduate	
				DEVELOPERS
Myriad Developers, Inc.	Cedar Rapids	Linn	Oakdale Research Park	
TMD, L.L.C.	Solon	Johnson	Oakdale Research Park	
Midwest Development &				
Invest.Corp.	Fairfield	Jefferson	Oakdale Research Park	
Liberty Growth	Iowa City	Johnson	Oakdale Research Park	
Hunter Companies	Cedar Rapids	Linn	Oakdale Research Park	
S & S Developers	Iowa City	Johnson	Oakdale Research Park	
Gary Bishop Construction	Iowa City	Johnson	Oakdale Research Park	
Build to Suit Construction	Davenport	Scott	Oakdale Research Park	
Andersen Construction	North Liberty	Johnson	Oakdale Research Park	
Kevin Hanick	Iowa City	Johnson	Oakdale Research Park	
Ryan Companies, US	Cedar Rapids	Linn	Oakdale Research Park	
NAI Iowa Realty	Des Moines	Polk	Oakdale Research Park	
Weitz Companies	Des Moines	Polk	Oakdale Research Park	
Southgate Development	Iowa City	Johnson	Oakdale Research Park	
				DD OGDE GEN IE EEST VAN
				PROSPECTIVE TENANTS
Pharmaceutical Firm	Champaign-Urbana	Illinois	Oakdale Research Park	
Dermacia/NGI	Newport Beach	California	Oakdale Research Park	
Iowa Lions Eye Bank	Iowa City	Johnson	Oakdale Research Park	
Almac Sciences	Craigavon City	UK	Oakdale Research Park	

Germanischer Lloyd	Tarrytown	New York	Oakdale Research Park	
Financial services data center	Chicago	Illinois	Oakdale Research Park	
Noel-Levitz	Iowa City	Johnson	Oakdale Research Park	
Stem Cell Sciences	London	UK	Oakdale Research Park	
Genesis Bio Ventures	Los Angeles	California	Oakdale Research Park	
Atlas Materials	Chicago	Illinois	Oakdale Research Park	
Optherion, Inc.	Boston	Mass	Oakdale Research Park	
Service to Nonprofits	Iowa City	Johnson	Technology Innovation Center	
Magnetic Sensing Devices	Iowa City	Johnson	Technology Innovation Center	
Global Reach	Des Moines	Polk	Technology Innovation Center	
Human Medicine Start-up	Iowa City	Johnson	Technology Innovation Center	
iPig	Iowa City	Johnson	Technology Innovation Center	
UIQI2	Iowa City	Johnson	Technology Innovation Center	
JL MediTech	Iowa City	Johnson	Technology Innovation Center	
Terpenoid Therapeutics	Iowa City	Johnson	Technology Innovation Center	
Bio::Neos	Iowa City	Johnson	Technology Innovation Center	
Marketing Start-up	Iowa City	Johnson	Technology Innovation Center	
Human Medicine Start-up	Iowa City	Johnson	Technology Innovation Center	
Human Therapeutics	Iowa City	Johnson	Technology Innovation Center	
Software Development	Iowa City	Johnson	Technology Innovation Center	
Educational Measurement	Iowa City	Johnson	Technology Innovation Center	
Behavorial Diagnostics	Iowa City	Johnson	Technology Innovation Center	
Bioprocessing	Des Moines	Polk	Technology Innovation Center	
Medical Device Start-up	Des Moines	Polk	Technology Innovation Center	

#### The University of Iowa Research Foundation

**Hands on technical assistance:** The UIRF works directly with UI faculty, entrepreneurs, and investors in selecting, evaluating and developing new companies. This includes:

- IP analysis for viability of proposed company products
- IP protection strategies and execution; UIRF fronts the cost of IP protection
- Due diligence on the viability of UI spinout companies
- Business model development for UI spinout companies
- Provide Entrepreneurs-in-Residence for high new priority UI companies
- Provide gap funding for highest priority projects
- Facilitation of financial investment in the company
- Licensing to UI spinout companies
- Extensive mentoring and education of faculty in new company formation

**Research Parks**, etc: UIRF is a source of new companies for the UI research park.

**Economic development assistance to Iowa communities:** The UIRF worked with groups in Des Moines, Henry, Johnson, Lee, Linn, and Louisa counties in 2007 to forward economic development in those communities.

#### The John Pappajohn Entrepreneurial Center

#### Youth Outreach - Jacobson Institute for Youth Entrepreneurship

The Jacobson Institute for Youth Entrepreneurship is a comprehensive program that enriches K-12 students' lives through classroom and practical educational experiences. Created in 2007 through a generous gift from the Richard O. Jacobson Foundation, the Institute is built on three key components – teacher education, development of innovation curricula, and outreach opportunities. The Jacobson Institute provides opportunities for both instruction and practice in entrepreneurship and gives educators the tools they need to teach the "entrepreneurial mindset" – that is, to encourage creativity, innovation, critical thinking, and problem solving, and to prepare students for success in the worlds of business and entrepreneurship.

The Jacobson Institute believes that building entrepreneurial spirit in today's youth is a critical component for sustaining the country's long term economic health. By strengthening their ability to think creatively and providing the tools for understanding the entrepreneurial process, youth are more inclined to consider business ownership as a career. The University of Iowa's youth entrepreneurship initiatives began in fall 2000 as part of the John Pappajohn Entrepreneurial Center's (JPEC) plan to support entrepreneurial engagement at all ages.

#### **Teacher Training**

The Jacobson Institute for Youth Entrepreneurship and JPEC work directly with middle school and high school teachers by training them to incorporate entrepreneurship into their classrooms and providing them with ongoing support and curriculum resources throughout the school year. The two-day entrepreneurship seminar provides in-depth training on topics

including opportunity recognition, innovation and creativity, market research and analysis, entrepreneurial finance, and business planning.

Designed to simulate an entrepreneurial-based classroom, the training provides educators with hands-on learning experiences enabling them to leave the training fully equipped to implement entrepreneurial education in their respective classrooms. Coupled with ongoing support from the Jacobson Institute, participants stay abreast of additional training opportunities and are directly connected to the latest entrepreneurial resources.

Open to all teachers interested in or currently teaching entrepreneurial concepts, this program is being taught in various disciplines including, careers, business, science, mathematics, marketing, art, family and consumer sciences, and agriculture.

### YouthBizCentral Online Curriculum

Educators incorporating entrepreneurship into their classrooms have access to a customized, innovative, internet-based entrepreneurship curriculum. In addition to downloading PowerPoint presentations, lesson plans, and activities on key entrepreneurial topics, teachers develop a fully customized business planning template geared to meet the specific needs of their classroom. Through completion of the business planning process, students using the YouthBizCentral curriculum learn firsthand the skills necessary for starting and running a successful business.

Through support from the Carver Trust of Muscatine, IA, the Jacobson Institute is currently developing discipline-based modules for math, science and agriculture to better meet the entrepreneurship education needs of these classrooms. Furthermore, teachers nationwide will have the opportunity to enroll in graduate level online entrepreneurship courses offered by the Jacobson Institute in partnership with JPEC.

### **Summer Camps**

Elementary, middle school, and early high school students have the opportunity to participate in entrepreneurship camps held each summer.

With support from Hills Bank and Trust Company and the Richard O. Jacobson Foundation, camp participants hear the entrepreneurial start-up stories from successful entrepreneurs and learn the nuts and bolts of starting a business from UI entrepreneurship faculty.

In addition to networking with other young Iowans interested in starting businesses, camp participants spend the week developing business plans and designing marketing materials. Each day, students apply what they learn to their businesses. At the end of the week, participants in the elementary camp present their business plans to their peers while participants in the middle/high school camp present to a panel of judges in hopes of earning seed capital to get their businesses started.

#### **Outreach**

JPEC is committed to providing entrepreneurial education, consulting services, and lectures to the community at large in order to contribute to the growth of existing and emerging businesses. Through the following programs, JPEC impacts the economic development of the region and the state of Iowa.

### **Conferences & Speaker Series**

The John R. Hughes Lecture Series, sponsored by Hills Bank & Trust, Inc., the Sandage Entrepreneurial Speaker Series, sponsored by the Sandage Charitable Trust, and the Community Lectures, a component of the Entrepreneur-in-Residence program, sponsored by the Iowa State Bank & Trust Company, bring successful entrepreneurs to campus to share their experiences with UI students and community members. The Iowa Venture Capital and Entrepreneur Conference and Collegiate Entrepreneurs Iowa Conference provide seminars and networking opportunities for aspiring entrepreneurs, business owners, investors, and students.

### The John Pappajohn Entrepreneurial Center

### **Academic Program**

#### • Enrollment

-Summer 2006: 8 Classes/Sections, 104 Undergraduates, 25 Graduate Students -Fall 2006: 25 Classes/Sections, 1098 Undergraduates, 9 Graduate Students -Spring 2007: 29 Classes/Sections, 1240 Undergraduates, 55 Graduate Students

### • I-Envision Student Organization

-Members	106
-National / Regional Conferences Attended	4
<b>Business &amp; Entrepreneurship Learning Community</b>	
-Members	38
-Service Learning Projects Completed	8
-Community Members Impacted by Service Learning	350

### **Client Consulting Services**

### • Wellmark Venture Capital Fund

- -13 applications processed
- -4 companies funded including one company based in the BELL and one at Oakdale
- -1 application in process

### • Bedell Entrepreneurship Learning Laboratory

-Number of Student Teams	24
-Total Students Impacted Since May 2004	49

### **Consulting Projects**

- Number of Projects 30
- Industries include: biotech, manufacturing, medical, information technology, ag services, publishing, retail

FastTı	rac Entrepreneurial Training Program	
•	Statewide:	
	-Classes	14
	-Total participants	314
•	Iowa City Area Class:	
	-Classes	2
	-Total participants	60
Youth	Programs	
•	Summer Camps	
	-Youth Entrepreneur Camp (3 <sup>rd</sup> -5 <sup>th</sup> Grade)	44
	-Jacobson Middle School Camp in Iowa City (6 <sup>th</sup> -8 <sup>th</sup> Grade)	27
	-Jacobson Middle School Camp in Des Moines (6 <sup>th</sup> -8 <sup>th</sup> Grade)	26
•	High School Teacher Training	
	-Teachers	14
	-Locations across Iowa	1
	(Des Moines, Mason City, Davenport, Ottumwa)	
•	UI Entrepreneurship Day	
	-High School Students	31
•	<b>High School Business Plan Competition</b>	
	-Schools participating	20

### **Programs, Seminars and Workshops**

Date	Event	# of Attendees
7/30- 8/4/2006	Okoboji Entrepreneurial Institute	10
8/10/2006	Iowa State Fair – Iowa Centers for Enterprise Booth	N/A
9/11/2006	Fall FastTrac® Class Begins	29
9/15/2006	Sandage Speaker Series: Bob Reed	135
9/19/2006	I-Envision Club Meeting: Mark Warner	100
9/28/2006	Entrepreneurial Ventures Group (EVG): Steven Tonsfeldt, Heller Ehrman LLP	35
10/5/2006	BELL Luncheon: Fall Kick-off	16
10/6/2006	Sandage Speaker Series: Todd Smith	110
10/7/2006	I-Envision Alumni Tailgate	25
10/11/2006	Iowa Venture Capital & Entrepreneur Conference (Des Moines, IA)	71
10/18/2006	Academic Entrepreneurship Workshop	41
10/18/2006	SBIR Conference	45
10/20/2006	Entrepreneur-in-Residence (E-in-R): Pat Cobb	7
10/25/2006	EVG: Dr. Jim Ashton, Ashton Capital Partners	46
10/25/2006	E-in-R: Jim Ashton	5

11/2/2006	E-in-R: Merle Volding	10						
11/2/2006	BELL Luncheon	16						
11/3/2006	Collegiate Entrepreneurs' Organization National Conference (Chicago, IL)							
11/3/2006	E-in-R: Merle Volding							
11/3/2006	E-in-R: Okoboji Community Members / Business Leaders	4						
11/8/2006	Academic Entrepreneurship Workshop	25						
11/10/2006	Sandage Speaker Series: John Buchanan	89						
11/14/2006	Franchise Workshop	20						
11/15/2006	SBDC Roundtable Breakfast	60						
11/29/2006	E-in-R: John Buchanan	13						
11/30/2006	BELL Luncheon	17						
11/30/2006	EVG: Dr. Joseph Falkson, Native American Capital	47						
1/31/2007	Business Succession Planning Workshop	7						
2/1/2007	BELL Round Table Lunch	20						
2/7/2007	Academic Entrepreneurship Workshop	28						
2/15/2007	EVG: Dr. Matthew Howard, The University of Iowa	59						
2/15/2007	Business Succession Planning Workshop	64						
2/16/2007	Regional Pappajohn New Venture Business Plan Competition	10						
2/19/2007	Spring FastTrac® Class Begins	36						
2/20/2007	I-Envision Club Hosts Guest Speaker	35						
2/22/2007	BELL Round Table Lunch	20						
2/27/2007	Be Your Own Boss Conference	12						
2/28/2007	Sandage Speaker Series: Tanna Frederick	106						
2/28/2007	Hollywood Dreams Movie Screening	55						
3/7/2007	Academic Entrepreneurship Workshop	20						
3/8/2007	Franchise Workshop	7						
3/29/2007	Statewide Pappajohn New Venture Business Plan Competition	4						
3/29/2007	EVG: Timothy Bechen, Kenyon & Kenyon LLP	82						
3/30/2007	Statewide Collegiate Entrepreneurs' Iowa Conference (CEIC) (Des Moines)	72						
4/1/2007	Students in Free Enterprise (SIFE) National Conference (Minneapolis, MN)	20						
4/6/2007	Sandage Speaker Series: Shannon Latham	70						
4/12/2007	ISB&T Community Lecture: Bruce Rastetter	275						
4/25/2007	Volding Business Plan Competition	20						
4/26/2007	E-in-R: Merle Volding	8						
4/26/2007	EVG: Bill Van Sant, Paladin Brands	75						
4/27/2007	I-Envision Hensley Charity Golf Invitational	125						
	TOTAL PARTICIPANTS	2,220						

### **Small Business Development Center**

The Small Business Development Center (SBDC) at The University of Iowa offers one-stop assistance to current and prospective small business owners by providing high quality, one-on-one counseling that is tailored to the needs of individual clients. The SBDC conducts research, counsels, and trains business owners in management, financing, and operating small businesses, and provides comprehensive information services and access to experts in a variety of fields. Educational programs are offered on topics that include taxes, accounting systems, and business planning. It also offers a wide range of training seminars concerning business skills and issues, and assists small businesses in securing Small Business Administration backed loans.

### **Office of Corporate Partnerships**

The Office of Corporate Partnerships (OCP) serves as a primary contact for corporations, state industry trade associations and economic developers interested in collaborating with the University of Iowa. This office acts on behalf of the business community as a connector to a wide array of resources and acts as a facilitator to expedite the process of discovering and making use of some or all of the UI's resources such as business assistance, research expertise, facilities, sponsored research, continuing education and technology transfer. The OCP assists the Iowa Department of Economic Development and other state industry trade organizations in marketing the resources of the state of Iowa. In FY07, the OCP completed (45) on-site visits to Iowa companies and economic development groups; organized and participated in (3) statewide business and community forums; and facilitated (9) campus visits of national and international companies and state economic developers. The OCP identified technical needs for several companies and worked with University college liaisons to address those needs.

The Office of Corporate Partnerships completed 37 visits to Iowa companies, providing information about University of Iowa resources that may be helpful to the company. These included:

- Biotechnology Companies: Barnstead International, Embria Health Sciences, Eurofins Scientific, Feed Energy, FLI Retro Fits, Integrated DNA, JMI Labs, Protek, Oral-B, Tjaden Bioscience, Trans Ova Genetics,
- Advanced Manufacturing Companies: AY McDonald, Allsteel, Emerson, Flint Cliff Manufacturing, Heatilator, Loparex, Newton Manufacturing, Momentus Golf, Sonoco Corrflex,
- Information Solutions/Finance Companies: Bankers Trust; Compleware, Crystal Group; Donatech, Fakespace, Great River Technologies, Innovative Software Engineering, Lee Enterprise, Marsh-McLennan, McGraw Hill, MetroGroup, Northwestern Mutual Financial, Systems Unlimited, The Mudd Group, Tru-Art, Von Maur, Two Rivers & Associates.

The Office of Corporate Partnerships participated in (3) statewide business and community forums in Des Moines, Sioux City and Mt. Pleasant. In addition, the OCP arranged campus visits for the Iowa Department of Economic Development's International Department, for approximately 7 companies interested in research collaborations with the Carver College of

Medicine and the pharmaceutical capabilities of the University's Center for Biocatalyisis and Bioprocessing, Division of Pharmaceutical Services, and Center for Advanced Drug Development. Another two campus visits were arranged for economic development agencies.

### 4. Collaboration for economic development

Please briefly describe two or three examples of major economic development collaborative efforts with other entities such as Regent universities, Iowa community colleges, the Iowa Department of Economic Development, Iowa Workforce Development, other state agencies, other non-governmental organizations in the state.

### The University of Iowa Research Foundation

*ICAD* (*Iowa City Area Development Group*): UIRF Executive Director Pam York is on the Board of Directors of ICAD (Johnson County). UIRF committed \$75K to ICAD's fund raising campaign in FY06, and made funding contingent upon ICAD adding an entrepreneurial effort to their mission, which they subsequently did in FY07.

SIVF (Southeast Iowa Venture Fund): Public and private sector individuals in the southeast Iowa counties of Des Moines, Lee, Henry and Louisa are creating a joint economic development program. York has been involved with this group for some time, and helped them to formulate a plan to utilize a \$175K business accelerator grant received from IDED by coupling this with a venture fund. York, with the intention of forwarding an entrepreneurial focus within this region, also participated in the Angelou Economics market analysis of this region, which was designed to help the group identify new industries and economic thrusts.

*Iowa entrepreneurs and investors:* UIRF regularly met with the venture firms receiving investment capital from the Iowa Fund of Funds- *Prolog Ventures* (St Louis), *Village Ventures* (Denver) to discuss deal flow and specific companies. UIRF also recruited the following people to join the UIRF Board of Directors in FY06, and interacted with these people on new ventures formation processes and specific companies in FY07:

- Curt Nelson, Entrepreneurial Development Center (Linn County)
- Matt Kinley, Equity Dynamics (Polk County)
- Dick Schwab, Woodworks, formerly Pearson (Johnson County)
- Jan Schuiteman, Trans Ova Genetics (Sioux County)

### The John Pappajohn Entrepreneurial Center

JPEC collaborates with a wide range of partners in Iowa to impact the Iowa's economic development. Examples are below.

- **Iowa Venture Capital and Entrepreneurship Conference** JPEC is a major sponsor and organizer of the Iowa Venture Capital and Entrepreneurship Conference. JPEC teams with the Iowa Department of Economic Development, other Pappajohn Centers around the state, and Equity Dynamics to put this annual conference together.
- FastTrac Entrepreneurial Training Program JPEC has partnered with the Iowa Community College system and the University of Northern Iowa to deliver statewide the nationally acclaimed FastTrac® entrepreneurial training programs of the Ewing Marion Kauffman Foundation of Kansas City. The initiative prepares aspiring

- entrepreneurs to launch new ventures and existing companies to grow their businesses. Since the inception of the partnership in fall 1997, over 3,000 Iowans have completed the entrepreneurial training programs.
- Wellmark Venture Capital Fund JPEC is the regional administrator of the Wellmark Venture Capital Fund, a \$5 million fund created by Blue Cross and Blue Shield of Iowa to support the creation and growth of new businesses throughout the state. JPEC screens applicants, performs due diligence, evaluates business concepts, and assists applicants with their business plans. JPEC partners with area angel investors, equity fund managers, lenders, the Iowa Department of Economic Development, and the Small Business Administration to help business owners secure additional venture funding.
- **Secondary Teacher Training** The Jacobson Institute for Youth Entrepreneurship and JPEC partner with state, regional and local educational agencies to offer entrepreneurship training to educators around the state of Iowa. Introductory and advanced entrepreneurship training programs are offered.
- Be Your Own Boss Entrepreneurship Summit The Jacobson Institute for Youth Entrepreneurship, UI JPEC, UI Office of Corporate Partnerships, UI I-Envision Student Organization, Community Vitality Center of Ames and the Iowa Workplace Learning Connection, jointly sponsor this one-day entrepreneurial conference open to Iowa high school students participating in the Jacobson Institute's Statewide Business Plan Competition. Held in conjunction with the Collegiate Entrepreneurs Iowa Conference, participants network with like-minded peers, listen to learning entrepreneurs and learn what it is like to start and run your own business.
- Community College Partnerships JPEC has designed a distance education program which will allow students of several community colleges (Iowa Western Community College, Western Iowa Tech Community College, Indian Hills Community College, and Iowa Lakes Community College) to earn a Certificate in Entrepreneurial Studies as part of their degree programs. The partnerships with these community colleges will also allow JPEC to bring entrepreneurship education and business support to rural Iowa and will help Iowans from around the state more easily access the business and economic development resources of the UI.
- Collegiate Entrepreneurs Iowa Conference A partnership among the Pappajohn centers around the state and the national Collegiate Entrepreneurs Organization to sponsor a day long entrepreneurial conference of networking, brainstorming, listening to speakers and education open to any college student in the state and region.
- John Pappajohn Business Plan Competitions JPEC partners with the other Pappajohn centers around the state to offer statewide business plan competitions for college students as well as residents of Iowa.
- Okoboji Entrepreneurial Institute JPEC partners with the Iowa Board of Regents, other Pappajohn centers around the state, Iowa Department of Economic Development, and the Iowa Lakes Corridor Development Corporation to offer the Okoboji Entrepreneurial Institute, a week-long immersion in entrepreneurship, designed to instill the entrepreneurial mindset in the state of Iowa's undergraduate students.
- Committee/Organization Involvement
   Iowa Business Council Capital Formation Hot Team

Iowa First Capital Fund Board

Planning Committee for the Iowa Venture Capital Conference

United States Association for Small Business and Entrepreneurship

National Consortium of Entrepreneurship Centers

Collegiate Entrepreneurs Organization

National Collegiate Inventors and Innovators Alliance

Students in Free Enterprise

Department of Education Entrepreneurship Program Management Committee

Planning Committee for the Collegiate Entrepreneurs' Iowa Conference

Iowa City Area Chamber of Commerce Economic Development Committee

The Institute of Business Appraisers

American Institute of Certified Public Accountants

**Institute of Management Accountants** 

Professional Developers of Iowa

Association of Small Business Development Centers

Academy of Management

Small Business Educational & Entrepreneurial Development Task Force

Iowa Prolog Advisory Board

Iowa Association of Business and Industry

Iowa Business Educators Association

Department of Education Business Program Management Committee

Department of Education Alternative Schools and Programs

Iowa DECA

Neighborhood Center of Johnson County

**Workplace Learning Connection** 

Community Vitality Center

### **Small Business Development Center**

SBDC's are required by contract to keep their client list confidential. Summary data is below:

•	Total Clients Served	222
	(672 Counseling Sessions)	
•	Business Startups	50
•	Hours dedicated to clients	1,186
•	Client loans	\$3.55 million
•	Estimated jobs created by SBDC Clients	117

### **Breakdown by county:**

- 5 Unknown
- 1 Benton
- 3 Cedar
- 1 Clinton
- 6 Iowa

- 169 Johnson
- 2 Keokuk
- 1 Lee
- 8 Linn
- 2 Louisa
- 1 Marion
- 8 Muscatine
- 4 Poweshiek
- 11 Washington

222

### Office of Corporate Partnerships

The Office of Corporate Partnerships collaborates with a wide range of organizations and entities. Some highlights of OCP collaboration include the following:

- **Iowa Biotechnology Association** The director serves as a designate member (for VP Meredith Hay) on the IBA Board of Directors.
- **Iowa Careers Consortium** The director serves on the ICC advisory board. The ICC is a public-private organization that markets career and life style opportunities in the State of Iowa.
- **Iowa Rural Development Council Steering Committee** The director serves on the IRDC Steering Committee, which meets monthly and conducts quarterly forums across the state. The committee is made up of federal and state agencies, including the Regent Universities.
- **Regents Road Show (PDI Conference)** Took the lead in organizing the planning and marketing for the 2007 Iowa Public Universities Partnership road show with ISU and UNI.
- **BIO 2007** Promoted the University of Iowa at the Biotechnology Industry Organization Annual Meeting along with a delegation of 60 other biotechnology companies, economic developers and Regent Universities.
- **2007 Prometheus Awards** On behalf of the IOWA Centers for Enterprise, prepared 21 nominations to the Technology Association of Iowa to recognize individuals, projects and companies for excellence in leadership and innovation in technology. Four nominations connected to the University of Iowa were honored at the awards celebration.

### **Broad Efforts**

 Business Recruitment - During FY07 the UI engaged in the active recruitment of new businesses to Iowa. UI participants included senior administrators, faculty and scientific research staff and professional staff of economic development/technology transfer units. Recruitment of out-of-state and international companies were collaborative efforts with the Iowa Department of Economic Development, Iowa City Area Development Group and Priority One (Cedar Rapids) development professionals. 2. State Biotechnology Marketing Initiatives - For more than a decade UI has been a partner with the Iowa Department of Economic Development and ISU in a major, sustained, strategic State presence at the annual international convention of the Biotechnology Industry Organization. In recent years they have been joined by UNI, regional economic development professionals and the Iowa Biotechnology Association to give Iowa an even stronger marketing presence at the world's leading biotech industry conference. Over the years, UI has been represented by the Office of Corporate Partnerships, Oakdale Research Park, Center for Biocatalysis and Bioprocessing, Division of Pharmaceutical Service and College of Pharmacy. UI spin off companies including Integrated DNA Technologies, Bio:Neos, VIDA Diagnostics and Cellular Engineering Technologies have also participated. UI spin off companies including Integrated DNA Technologies and EnzyMed have also participated. UI annually participates in the State marketing initiative at BIO. The State's considerable investment in sustaining its BIO presence since the early 1990s gives Iowa international visibility in the biotechnology industry.

## 5. Please provide the following information about Grow Iowa Values Fund projects for FY 2007:

- a. Identify and briefly describe each project or initiative which received GIVF funding in FY 2007 including information on outcomes and progress made
- b. Identify metrics which were used to measure outcomes for each project and report progress on each metric for FY 2007.
- c. Provide a description of the sources of the matching institutional dollars for each GIVF-funded project

Using The University of Iowa allocation of Grow Iowa Values Funds, the Office of the Vice President for Research established and implemented a program that incorporates two distinct and interdependent phases:

- I-START (first phase of investment) is targeted toward immediate or short term needs designed to directly facilitate university-private sector partnerships in entrepreneurship and the creation of new companies and jobs in Iowa.
- I-GROW(second phase) is designed to address the middle to long term commitments needed to strengthen the University's capacity to promote and sustain high tech entrepreneurship in the region and build new networks of technical-financial-business capabilities that will stimulate and sustain the growth of new companies and industries that provide high paying jobs for the citizens of Iowa.

### **VP for Research**

GIVF Funds: \$ 178,255; match \$178,255 from Vice President for Research Enrichment Fund – Total of \$356,510

These funds were used for salary and fringe benefits of a new Associate Vice President for Research: Economic Development and for start up equipment, travel and office expenses, utilities, memberships for this new office and position.

These funds allowed the hiring of a seasoned (25+ years experience) technology transfer and economic development professional to lead the IOWA Centers for Enterprise and UI's economic development initiatives.

### **Office of Corporate Partnerships**

GIVF Funds: \$83,506, match \$83,506 from Vice President for Research Enrichment Fund. Total of \$167,012.

These funds were used for salaries and fringe benefits of the Office of Corporate Partnerships (OCP) Director and one staff person, office supplies and operating expenses, travel, marketing materials, memberships and other expenses of the OCP.

In FY07, corporate outreach included 37 visits to Iowa companies and visits to 8 economic development groups, 9 campus visits, 3 business and community forums. This year the IOWA Centers, via the OCP hosted events for the Professional Developers of Iowa annual meeting and the OCP produced and distributed widely throughout Iowa marketing materials describing the IOWA Centers and its programs and services.

### **Technology Innovation Center and Oakdale Research Park**

GIVF Funds: \$710,750; match \$700,00 from Ryan Companies upfront payment and \$10,750 from Vice President for Research Enrichment Fund. Total of \$1,421,500.

The master planning consultant, Sasaki Associates, completed its report for a new blended master plan for the Oakdale Research Park and Oakdale Research Campus. These recommendations are already reflected in four new and planned construction projects. The University also hired a consultant firm to assist in preparing a signage plan, and new covenants and architectural guidelines are being developed by RDG IA, Inc. Finally, we have retained a firm to assist us in preparing a marketing plan for the Research Park and BioVentures Center/Technology Innovation Center.

The remainder of the funds are to be used to retain an architect and developer to design and build a 35,000 sf BioVentures Center. The building will be owned by the developer and operated by the University as a life sciences business incubator. Total cost of the building when constructed will be approximately \$8 million. The University is paying certain upfront costs so that the lease price back to the university will be low enough to allow start-up company tenants to afford the sublease cost. (The University will sublease the spaces to incubator tenants.) Design of the building is essentially complete. Construction will begin fall 2007 and be completed fall 2008.

### John Pappajohn Entrepreneurial Center

GIVF Funds: 93,145 match \$93,145 from Vice President for Research Enrichment Funds and the Tippie College of Business. Total of \$186,291.

These funds were used by the John Pappajohn Entrepreneurial Center to support the hiring of graduate students and partially to support the hiring of a Faculty entrepreneurship coordinator. The results of this investment lie in three major areas including the JPEC Entrepreneurial Ventures Group (EVG) Speaker Series, the JPEC Academic Entrepreneurship Workshops and JPEC Consultative Services

### <u>I-GROW – Subramanian</u>

GIVF Funds: \$325,000; match \$325,000 from Biosciences Start Up Funds. Total project \$650,000.

GIVF I-GROW funds were used as part of a faculty start up package that allowed the University to attract Dr. Venkiteswaren (Mani) Subramanian to serve as director of the UI Center for Biocatalysis and Bioprocessing (CBB). Prior to coming to UI, Dr. Subramanian was Global R&D Director of Biotechnology, Bioprocessing, and Bioinformatics for Dow Chemical Company. He brings 24 years of industrial experience and an entrepreneurial approach to the University. This start-up package was essential to attract this highly entrepreneurial faculty member to the University of Iowa.

### **FUNDS Committed to Projects (no expenditures from FY07)**

### **University of Iowa Research Foundation (UIRF)**

GIVF Funds: \$310,000; match \$310,000 from UIRF Funds. Total project of \$620,000.

These funds have been reallocated for expenditures in FY08. We anticipate the funds will be used: (1) to engage a consulting company to assist the UIRF in managing its backlog of invention disclosures, (2) to fund additional gap funding proposals, and (3) to engage CEOs-in-Residence to assist the UIRF in building venture capital fundable spin-out companies.

### Arnold Seed

GIVF Funds: \$8,494; match \$8,494 from Vice President for Research Enrichment Funds (forthcoming). Total project of \$16,988.

Mark Arnold, Department of Chemistry (ASL Analytic Inc.) tested and integrated a new proprietary component with an existing large lab instrument as a key milestone toward creating a small, cost-effective portable instrument to monitor glucose urea and lactate for

critically ill patients. ASL has raised \$250K in financing, hired one employee and obtained a prestigious NIH \$1M grant to develop a related product.

### **Abramoff Seed**

GIVF Funds: \$14,171; match \$14172 from external grants and contracts. Total project of \$28,343.

Michael Abramoff, Department of Opthamology (iOptics, Inc.) is developing a low-cost, high resolution camera for diagnosing eye diseases including macular degeneration and diabetic retinopathy. He completed two prototype cameras and accustom USB interface that allows the camera to be portable, evaluated its ability to detect lesions and designed the human clinical trials to demonstrate diagnostic capability. An MBA student project was done in parallel to examine market factors impacting the introduction and adoption of such a camera. The intention is to develop a company that provides products and/or services for diagnosing eye disease. These funds continue the program of support started with FY06 GIVF funds.

### Johna Leddy

GIVF Funds: \$12,500; match \$12,500 from external grants and contracts. Total project of \$25,000.

These funds were used to support work by a faculty member (Dr. Johna Leddy) to develop further a non-invasive glucose monitoring device. This device, if successful, will address a very large market need. This is the second year of a two-year funding.

# Support for Additional IOWA Centers for Enterprise Activities (these are the funds that are not allocated yet)

Anticipated - GIVF Funds: \$189,178; match \$189,178 from various sources, including, Vice President for Research Enrichment Funds, JPEC Foundation Accounts, Oakdale Research Park Reserves and External Grants and Contracts. Total project of \$378,356.

- 6. Please provide the following information about Battelle-funded projects for FY 2007:
  - a. Identify and briefly describe each project or initiative which received Battelle funding in FY 2007 including information on outcomes or progress made
  - b. Identify metrics which were used to measure outcomes for each project and report progress on each metric for FY 2007.

Battelle Program Summary	Description of Program	Funding Amount	Allocation to Projects	FY07 Expenditures	Progress through June 30, 2007
				(July 1, 2006 – June 30, 2007)	
Infrastructure	To create a joint venture partnership between The University of Iowa, regional economic development leaders and the private sector to expand and develop a new Technology Incubation Center and Research Park on the Oakdale Research Campus.	\$2,720,000	New TIC \$1,320,000 Myriad Purchase \$1,300,000 Myriad Fit-out \$100,000	\$ 50,792 \$1,300,000 \$ 0	Design of a new BioVentures Center is complete. Construction to begin in the fall of 2007. Building at Myriad Plaza on the Oakdale Research Park was purchased and renovated. This building allowed the University to provide space for a California based start-up company. The purchased Myriad building was renovated to accommodate the California based start up company.  Funding to be re-budgeted to the new UI BioVentures Center to begin construction fall 2007.

Battelle Program	Description of	Funding	Allocation to	Funding Spent	Progress through June 30, 2007
	Program	Amount	Projects	To Date	
Endowment	Description: To create an endowed professor-and/or entrepreneur-in-residence program to attract world-class, entrepreneurial talent in the core platform areas.	\$2,000,000	Long term Investment Pool \$2,000,000	\$2,000,000	One endowed professor (\$100K/year for three years) position was filled allowing us to retain one of our most prolific and entrepreneurial professors (July 1, 2007). Without this endowed professorship, we would have lost him to a University on the East coast. This professor recently obtained a \$15M NIH grant and is affiliated with Optherion, which also recently closed on a \$30M venture capital investment.  Funding was \$50K from interest income and \$50K match from academic department.

Battelle Program	Description of	Funding	Allocation to	FY07	Progress through June 30, 2007
Summary	Program	Amount	Projects	Expenditures	
				(July 1, 2006 –	
				June 30, 2007)	
	Description: To		Myriad Fit-out	\$1,059,368	Renovation of space in Myriad Building
	provide financial		\$1,090,000		completed.
	assistance in the form				NGI moved into this space in early 2007.
Core Platforms	of grants to accelerate	\$3,690,000			Upon vacating this space for space in a new
Core Flatiorins	the transformation of	\$3,090,000			building, the UI Center for Advanced Drug
	new and ongoing				Development will occupy the Myriad Building
	research and				space.
	development				
	initiatives in the core		8 Core Platforms	\$ 442,574	See pages 33-35 for detail
	platform areas into		\$ 900,000	·	

commercial opportunities.	\$1,700,000	NA	Phase II funding will be allocated once review of initial progress on individual projects is completed.
	Phase II funding of 8 Core Platforms		

Core Platform	Title of Battelle	<b>Battelle Funds</b>	FY07	Platform	Progress through June 30, 2007
PI Details	Proposal	Awarded	Expenditures (July 1, 2006 – June 30, 2007)		
Abdel-Malek Team	Commercialization of Santos, a Human Simulation Environment	\$370,000	\$12,641	IT, AM	<ul> <li>A national search was launched to recruit a professional software engineer to lead the production effort.</li> <li>Several releases of pre-beta software versions have been installed at our industry partners facilities and all are being used.</li> <li>An entrepreneur-in-residence has assisted in evaluating the business opportunity.</li> </ul>
Leno Team	Designing Transgenic Cells for Biomedical Applications	\$400,000	\$115,453	Bio- genetics- transgenic cell lines	<ul> <li>Hired Research Assistant for the funded position. Currently interviewing candidates.</li> <li>Purchasing and setting up project-related equipment.</li> <li>Establishing assays for TNFa and Luc reporter expression in virus-infected HeLa cells.</li> <li>Developing business model for <i>RepGenix</i>.</li> <li>Discussing business opportunities with potential partners, i.e., Trans Ova Genetics and iPig, and customers, e.g., NuPotential, LLC – Baton Rouge.</li> <li>Ten primary porcine fibroblasts with high cloning potential were established.</li> <li>Initial AAV transduction studies were conducted.</li> <li>An Apoe AAV targeting vector is currently under construction. Preparing a STTR grant application in collaboration with <i>RepGenix</i> to fund production of targeted transgenic cells.</li> </ul>
O'Dorisio Team	Development of Peptides for	\$400,000	\$21,941	Bio- imaging &	<ul> <li>Identified three peptides to use as first candidate drugs.</li> <li>Submitted an NIH grant to support the preclinical studies.</li> </ul>

	Diagnosis and Therapy of Cancer			drug discovery	<ul> <li>Developed specifications for the synthesizer to be used in the research and for GMP production.</li> <li>Identified person to operate the synthesizer.</li> <li>Identified suitable space to house the synthesizer and operate under GMP conditions</li> </ul>
Shields	Iowa Neuro- Musculoskeletal Therapeutic Training System: Impact on Commercialization in Iowa	\$130,000	\$1,708	Bio- therapeutic/ medical device	<ul> <li>Most progress to date was made using leverage funds.</li> <li>Developed the computer drawings (CAD) of a hinged-type knee brace that will attach to the leg below and above the knee. This has been manufactured and is operational.</li> <li>Designed a brake power controller in the inventor software. Included in this design is a controller circuit that uses modern surface mount components.</li> <li>Designed all of the algorithms, and are searching for the key engineer/programmer to write the new software for this project.</li> <li>Identified 2 Iowa companies interested in manufacturing the final product.</li> <li>With SENSR in Elkader, IA have developed a plan to advance the technology and transfer to the commercial market.</li> </ul>
Van Beek Team	Iowa Imaging- Based Multi-center Trials Organization	\$400,000	\$87,212	IT; Bio- imaging	<ul> <li>Established a solid database that can be used for clinical trials.         Hired 1 FTE (two people; both IT programmers) to work with         VIDA to explore pros and cons of commercially available or free         software versus an in-house developed archiving/reporting         database.</li> <li>Establishing additional partnerhships with Compleware in North         Liberty.</li> <li>Established dedicated office space at Technology Innovation         Center, close to VIDA Diagnostics.</li> <li>Established regulatory affairs position, advertised the position, and         identified several potential candidates</li> <li>On track for receiving a first VIDA Diagnostics trial through a         contract with GlaxoSmithKline.</li> </ul>
Welsh	Porcine Models of Human Disease	\$400,000	\$55,658	Bio- genetics- animal models	<ul> <li>Produced cell line with appropriate Cystic Fibrosis (CF) genetic profile to use these cells to generate a "knock out" CF pig.</li> <li>Introduced the most common human CF mutation into pig cells that were then used to clone the first ever "knock in" pigs</li> <li>Significant progress made in adopting clinical methods for CF pigs to establish baseline levels in normal animals.</li> </ul>

Griffith Team	Development of AD5-Trail as a Cancer Therapeutic	\$400,000	\$108,560	Bio- genetics- cancer therapy	<ul> <li>Commenced testing on the next lot of clinical vector. This testing will be performed by AppTec.</li> <li>Communicated with Cedar Croft Capital regarding possible financial support for company development.</li> <li>Have completed human testing in 1<sup>st</sup> three dose levels (9 pts.)</li> <li>Contracted several companies about further development and licensing.</li> </ul>
Weiss Team	Design and Testing of Novel Toll-like Receptor 4- Directed Immunomodulators	\$100,000	\$39,401	Bio- drug delivery, genomics	<ul> <li>Using leveraged NIH funds, prepared for animal experiments that will soon follow by completing the following: prepared and purified needed amounts of wild-type and variant endotoxin:MD-2 complexes, tested <i>in vitro</i> for quality control characterization and prepared chemically cross-linked complexes.</li> <li>Immunogen and immunization experiments to begin in February and March.</li> </ul>

- 7. Optional: If desired, please include observations regarding:
  - a. Emerging trends in university economic development and technology transfer
  - b. Availability of startup and venture capital for technology entrepreneurs
  - c. Suggestions for new programs or activities that could further enhance the impact of university technology transfer and service on creation of jobs and wealth in Iowa.
- **a. Emerging Trends-** There is a national trend toward more university involvement in economic development. More venture and angel investors are engaging with university tech transfer groups. National conferences held by early stage investors and conferences held by university tech transfer groups are merging. Experienced business and new venture development professionals are becoming common place in university tech transfer organizations, and university tech transfer conferences are presenting relevant business and new venture sessions. Successful university research parks have vibrant laboratory-based business incubators that provide both facilities and active business support programs for their start-up companies. Most successful university business incubators are constructed debt free, or close to it. Graduate space for incubator companies sometimes called accelerator space is becoming a mainstream program to support companies as they graduate from life science and technology incubators.
- **b. Available capital-** There is an excess of capital for good business concepts. Iowa entrepreneurs/companies that have difficulty raising money tend to lack the criteria that venture investors seek, such as addressing a large market opportunity, and/or an experienced management team. This situation is gradually improving in Iowa. UIRF is regularly sought out by top tier national venture capital firms to evaluate opportunities in our portfolio, and 3 companies were formed with such groups in the past 18 months.
- **c. New Programs-** The top priority is finding people with highly specific high tech market sector experience and new high tech company formation experience.



### University of Northern Iowa Annual Economic Development and Technology Transfer Report FY 2007

### Section 1. UNI's Economic Development Activities to Enhance Economic Growth in Iowa

UNI's economic development efforts are unique in the fact that they focus on, and excel in very specific areas. The niche strengths of UNI programs have allowed the University to focus its efforts in the areas of: community and economic development; market research; environmental research and service; metal casting; biobased lubricants; executive development; new Iowans; and entrepreneurship. Housed within the University's Business and Community Services (BCS) division, the University offers a variety of programs that emphasize hands-on assistance to meet the needs of both business and community clients. BCS employees are literally at the front door of clients across the state; utilizing the resources of the University community to address the needs of those they serve. During FY 2007, BCS programs:

- Provided service in all 99 counties to more than 2,880 business and community clients
- Involved 195 faculty members and 2,890 students in delivery of these services
- Leveraged each \$1 invested by the state with \$6 in federal or private support

### Entrepreneurship, Business Incubation and Technology Transfer

Overall UNI's three incubator/accelerator programs and MyEntreNet helped start or expand 73 ventures, which have created more than 233 jobs. An additional 1,300 small businesses received counseling and training through the Small Business Development Center and John Pappajohn Entrepreneurial Center. In addition, six student entrepreneurs were tenants in the John Pappajohn Entrepreneurial Center's new Student Business Incubator this year and two launched a business in the Iowa economy. This year, UNI also initiated a statewide rollout of the MyEntreNet rural entrepreneurship program, as well as the launch of an urban MyEntreNet program in Northeast Waterloo. MyEntreNet now boasts more than 1,400 registered entrepreneurs and small business owners.

### Technology Transfer and Research Projects

Technology transfer efforts were enhanced during FY 2007 with 26 new disclosures received, four new patents filed, seven patents received and two new license agreements negotiated. Thirteen research projects with substantial commercial potential were completed or launched with support from the GIVF and Battelle funds. All but one of the GIVF research projects have submitted disclosures and two of the early-stage Battelle research projects have already submitted disclosures.

### Local Economic Development

Since its inception, the Institute for Decision Making (IDM) has served more than one-half of the communities in Iowa. In the last year alone, IDM added 25 new community clients to its Community Partners Program and assisted eight regional economic development groups with planning, marketing and capacity building. Community economic development organizations report that 1,500-2,000 jobs per year are created as a result of IDM's technical assistance. In addition, the highly regarded Heartland Economic Development Course, a nationally accredited economic development course created and directed by IDM, achieved record enrollment with 77 participants.

# University of Northern

#### **Economic Development Report to the Board of Regents**

### Waste Reduction and Environmental Assistance

The Iowa Waste Reduction Center (IWRC) continued its commitment of assistance to the Iowa economy, by providing environmental technical assistance and on-site reviews to more than 245 small businesses in the past year. In FY 2007, the IWRC also developed and commercialized a virtual reality painting and blasting training system; subsequently training 120 military personnel through the STAR4D program. The Center for Energy and Environmental Education assisted more than 300 educational institutions, food vendors and farmers with energy efficiency and environmental assistance.

### Market Research

Strategic Marketing Services (SMS) continues to be in high demand, assisting 17 business clients with 31 diverse projects during FY 2007. These clients report an average employment increase of 16%, due in part to the information provided by SMS. In addition, market research was provided to six technology transfer projects at UNI.

### Metal Casting/Foundry Assistance

UNI's Metal Casting Center (MCC) provided technical assistance to 24 foundries during FY 2007. In addition, the MCC conducted biobased binder research sponsored by the DOE, and also collaborated on a Department of Defense research project involving Iowa State University and the University of Iowa.

### **Biobased Lubricants**

The National Ag-Based Lubricants (NABL) Center completed product enhancements to soy-based hydraulic fluid for the military, as well as to complex greases for industrial purposes. Laboratory enhancements were also made in order for NABL to better serve the biobased lubricants industry. NABL has developed more than 30 biobased lubricants for industrial uses.

### Executive and Professional Development

In the past year, the Executive Development Center offered 75 professional development workshops to 917 business professionals from 78 separate businesses.

A complete listing of UNI economic development programs, including a summary of services and outcomes is included in Section 3.



### Section 2. Technology Transfer and Intellectual Property

#### **FY 2007**

	F 1 2007	
		UNI
a.	Number of disclosures of intellectual property	26
b.	Number of patent applications filed	4
c.	Number of patents awarded	7
d.	Number of license and option agreements executed on institutional intellectual property (both in Iowa)	2
e.	Number of license and option agreements yielding income	11
f.	Revenue to Iowa companies as a result of licensed technologies	\$4,560,000
g.	Number of start up companies formed, in total and in Iowa (incubators & <i>MyEntreNet</i> ) – plus 22 expanded	51/51
h.	Number of companies in research parks and incubators	15
i.	Number of <u>new</u> companies in research parks and incubators	10
j.	Number of employees in companies in research parks and incubators	39
k.	Royalties/license fee income	\$62,937
1.	Total sponsored funding	\$29,200,607
m.	Corporate-sponsored funding for research and economic development and revenue generation (excludes corporate philanthropy all in Iowa)	\$1,760,208
n.	i. Annual appropriations for economic development ii. Grow Iowa values appropriation iii. Battelle appropriation	\$361,291 \$950,000 \$3,180,000

### **Section 3. Overview of UNI's Economic Development Programs**

In the past year, UNI's economic development programs have collectively served approximately 2,880 communities, businesses, entrepreneurs and organizations. Specific details and insight into the community and economic development activities taking place in UNI's various outreach programs are contained in the following five pages. The first three columns provide a brief overview of each program, including the services provided and the populations being served. The fourth column highlights specific outcomes for each program during FY 2007, with the fifth column illustrating cumulative results achieved since the program's inception. This table provides a clear expression of the diverse and manifold benefits that UNI's economic development programs have brought to the State's economy.



### Section 3. Overview of UNI's Economic Development Programs (continued)

Programs	Services	Those Typically Served	FY 2007 Results	Cumulative Results
National Ag- Based Lubricants (NABL) Center Formerly ABIL	Biobased lubricants research, testing services, performance standards and certification	Serving companies and individuals developing or using biobased lubricants	<ul> <li>✓ Increased laboratory resources to better serve biolubricants users and industry.</li> <li>✓ Developed soy-based complex grease targeting NLGI GC-LB certification.</li> <li>✓ Developed soy-based hydraulic fluid targeting military cold-temp specifications.</li> <li>✓ Completed fuel savings study for non-lubricated railroad tracks vs. lubricated.</li> </ul>	<ul> <li>✓ Over 30 soy lubricants, greases, metalworking fluids and specialty products developed to date.</li> <li>✓ Forming a national testing and certification center to become the national leader in biobased lubricants.</li> </ul>
Institute for Decision Making (IDM)	Hands-on community and economic development guidance and research	Serving economic development organizations, chambers, communities and others	<ul> <li>✓ Hands-on community and economic development assistance and research provided to 47 community partners and 9 regional development groups.</li> <li>✓ 6 economic impact and 4 Targeting Cluster Analyses were completed this year.</li> </ul>	<ul> <li>✓ Served 483 communities, counties and groups in nearly all of Iowa's counties to date.</li> <li>✓ Community clients report 1,500 – 2,000 new jobs annually as a result of IDM assistance.</li> </ul>
Iowa Waste Reduction Center (IWRC)	Free, confidential, non-regulatory environmental assistance for small businesses	Serving small businesses throughout Iowa	<ul> <li>✓ Environmental technical assistance and onsite reviews were provided to 245 small businesses.</li> <li>✓ Approximately 120 military personnel received training at the STAR4D facility.</li> </ul>	✓ Provided 3,831 on-site reviews to Iowa small businesses.



Programs	Services	Those Typically Served	FY 2007 Results	Cumulative Results
John Pappajohn Entrepreneurial Center (JPEC)	Research, education and linkage to seed and venture capital resources	Serving student and faculty entrepreneurs at UNI, new ventures and rapidly growing small companies	<ul> <li>✓ Two UNI student businesses were winners in the statewide business plan competition.</li> <li>✓ 1,412 businesses and individuals participated in JPEC programs.</li> <li>✓ Eight UNI students were selected to participate in the second Okoboji Entrepreneurial Institute.</li> <li>✓ Six student-businesses were provided space and services in the new Student Business Incubator in May and June.</li> </ul>	✓ The new Student Business Incubator (permanent facility) launched two new businesses into the Iowa economy on June 1 La Prensa Hispanic Newspaper (the largest Hispanic newspaper in Western Iowa) and CAAL Translations.
UNI Regional Business Center/ Small Business Development Center (RBC/SBDC)	Rural Entrepreneurship development system, online entrepreneurship resources, business consulting, business training, incubator	Small and medium sized business, entrepreneurs, service providers to entrepreneurs	<ul> <li>✓ Rural Entrepreneurship Development         System (MyEntreNet) launched in Union         and Jasper Counties.</li> <li>✓ 1,098 community leaders/ entrepreneurs         served with localized training or technical         assistance in 25 Iowa counties.</li> <li>✓ 378 entrepreneurs from 25 counties served         with 1:1 technical assistance.</li> </ul>	<ul> <li>✓ MyEntreNet system is active in 12 Iowa counties. 1 in 5 participating entrepreneurs start or expand Iowa companies.</li> <li>✓ 1,407 Iowa entrepreneurs registered in online community.</li> <li>✓ RBC incubator has graduated 33 companies, creating 56 new FTE jobs, \$1.98 million in investment in Waterloo central business district.</li> </ul>



Programs	Services	Those Typically Served	FY 2007 Results	<b>Cumulative Results</b>
Iowa Center for Immigrant Leadership and Integration (ICILI)	Helping Iowa communities and businesses accommodate the needs of newcomers	Serving communities, faith-based organizations and businesses	<ul> <li>✓ Jointly created a new manual for immigrant entrepreneurship in Iowa.</li> <li>✓ Worked with 20 companies and communities to better meet the needs of newcomers.</li> </ul>	<ul> <li>✓ Assistance in accommodating the needs of newcomers has been provided to more than 100 Iowa companies.</li> <li>✓ More than 20,000 copies of four different guides/manuals (and untold electronic copies) have been distributed throughout Iowa.</li> </ul>
Tallgrass Prairie Center (TPC)	Research, techniques, education and source-identified seed for restoration and preservation of native vegetation	Serving Iowa counties, state and federal agencies, commercial native seed producers, the community, educators, students and others	<ul> <li>✓ Roadside vegetation research for restoring right-of-ways was provided to the Iowa Department of Transportation and native seeds distributed to 50 counties in Iowa.</li> <li>✓ Initiated applied research project to determine prairie species mix for optimal biomass for electrical generation.</li> </ul>	✓ More than 12,000 acres of roadway right-of-way have been restored to native vegetation.



Programs	Services	Those Typically Served	FY 2007 Results	Cumulative Results
Center for Energy and Environmental Education (CEEE)	Innovative educational and technical advice related to energy, environment and community-based agriculture	Serving Iowa classrooms, teachers, farmers, businesses, state agencies and citizens	<ul> <li>✓ Energy efficiency, environmental education assistance, and local economic development assistance was provided to 298 educational institutions, farmers, and food vendors in 125 different communities and 63 counties.</li> <li>✓ Education programs reached10,330 K-12 students, and 1,067 K-12 teachers</li> <li>✓ Participating farmers in Buy Local/Buy Fresh program earned \$881,000.</li> </ul>	<ul> <li>✓ Since 1998, energy and environmental education programs in 72 counties have reached over 70,000 K-12 students, and 3,580 K-12 teachers.</li> <li>✓ Since 1998, Buy Fresh/Buy Local program has facilitated purchase of \$3,626,000 worth of meat and produce from hundreds of area farmers by food vending institutions.</li> </ul>
Executive Development Center (EDC)	Management and professional training workshops and certificate programs	Serving Iowa businesses and organizations	✓ Specialized business management training provided in 75 workshops to 914 business professionals in 78 businesses during the past year.	✓ Since 1998, the EDC has provided training in 1,054 workshops to 18,169 business professionals.
Recycling and Reuse Technology Transfer Center (RRTTC)	Recycling and by- products research, education and outreach	Serving Iowa businesses the recycling industry and Iowa citizens.	✓ Research project funding and outreach services related to recycling and reuse were provided to 40 companies and organizations.	<ul> <li>✓ Over 37 RRTTC funded research projects. Over 170 reports and publications available.</li> <li>✓ Outreach and services provided to more than 5,200 individuals this year, including business/industry, K-12 students and teachers, and Iowa citizens.</li> </ul>



Programs	Services	Those Typically Served	FY 2007 Results	<b>Cumulative Results</b>
Metal Castings Center (MCC) and Center for Advanced Biobased Foundry Binders (CABB)	Metal casting technologies, applied research, testing and training	Serving Iowa casting users, foundries and foundry suppliers	<ul> <li>✓ Maintained active contracts with 24 companies, provided outreach projects to 2 Iowa foundries and technical assistance to 30 additional foundries.</li> <li>✓ Conducted DOE sponsored research into bio-based foundry binders.</li> <li>✓ Conducted Battelle sponsored commercialization of Bio-based foundry binders</li> <li>✓ Collaborated with University of Iowa and Iowa State on DOD sponsored research.</li> </ul>	✓ Over 50 industry funded research projects have been completed to date.
Strategic Marketing Services (SMS)	Market research and analysis	Serving businesses, entrepreneurs and non-profit organizations	✓ Market research and analysis services were provided to 17 Iowa companies.	✓ Since 1990, market research and analysis services have been provided to 259 Iowa companies.
Sustainable Tourism and Environment Program (STEP)	Sustainable tourism planning and policy assistance	Serving businesses, government and non- government organizations, and special interest and community groups	✓ Tourism training and technical assistance was provided to 5 county tourism groups and 1 multi-county regional sustainable tourism project.	✓ Market research feasibility and economic impact studies have been provided to more than 40 counties or communities.
Materials Innovation Service (MIS)	Mechanical, physical and chemical tests of metals, polymers and cementitious materials	Serving Iowa manufacturers and suppliers	✓ Technical assistance provided to more than 160 individuals and testing contracts from five companies.	✓ Technical assistance or testing provided to approximately 160 individuals this year. Over 1,870 hours of testing provided since the beginning of the program.



Programs	Services	Those Typically Served	FY 2007 Results	<b>Cumulative Results</b>
Geoinformatics Training, Research, Education and Extension Center (GeoTREE)	Geospatial technologies, education, research, and outreach activities for federal, state, local and tribal agencies	Serving federal, state, local and tribal (FSLT) government agencies (NASA)	<ul> <li>✓ 4 educational workshops held at UNI in new computer teaching lab with more than 88 people in attendance.</li> <li>✓ Worked in conjunction with DNR and Public Health to apply geospatial data to solve problems.</li> </ul>	✓ GeoTREE has provided 9 training and educational workshops for about 210 federal, state, local and tribal government staff members.



### **Section 4. Grow Iowa Values Fund Projects**

**Overview:** Pursuant to its FY 2007 Grow Iowa Values Fund proposal, the University of Northern Iowa used its expertise to expand and stimulate economic growth across the state in these areas:

- Technology Transfer and Business Incubation
- Rural Entrepreneurship
- Market Research
- Regional Development
- National Ag-Based Lubricants Center

### **GIVF Project 1: Technology Transfer and Business Incubation**

**Summary:** By all accounts, FY 2007 has been a productive year for both technology transfer and business incubation efforts. The Technology Transfer team is creating a supportive community culture for entrepreneurial development on campus through a planned schedule of events and educational opportunities for students, faculty and staff in the coming year. The Student Business Incubator continues to be a popular resource for UNI students, and the Innovation Incubator is nearing full completion with two entrepreneurs taking early tenancy in the new facility. Additional late-stage researchers and spin-off companies from the Cedar Valley are scheduled to enroll in the incubator this fall, as construction is completed.

**Primary Metrics:** number of disclosures, patents and license agreements, new business starts, level of incubator tenancy and jobs created.

**Outcomes and Accomplishments:** The following are specific accomplishments and outcomes of Technology Transfer and Business Incubation projects:

### **Area 1: Technology Transfer**

Highlights from the UNI Technology Transfer Team and staff include the following:

- 18 new disclosures from a variety of colleges across campus were accepted, from among the 26 that were submitted.
- Four of the five GIVF-funded, applied research projects submitted disclosures and two of the Battelle projects submitted disclosures.
- Four US patent applications were filed during the fiscal year, with three US patents and multiple foreign patents awarded to innovators across campus.
- Two new license agreements were secured.

#### **Area 2: Business Incubation**

Highlights from UNI's GIVF business incubation efforts include the following:

- Four students have started six early-stage companies in the new Student Business Incubator (located in the Business & Community Services Building).
- One student graduated from the Incubator, moving two companies to western Iowa.
- The John Pappajohn Entrepreneurial Center hired a new Program Associate in June to provide oversight for student incubator operations and serve student entrepreneurs with technical assistance and training.



- Two technology companies have become early tenants in the Innovation Incubator: an educational software development company serving the needs of public institutions; and a novel, three-dimensional prototyping company, offering competitively priced resin prototype services to mid-size manufacturing firms and inventors.
- A new partnership between the Technology Transfer Office, the Office of Sponsored Programs and the Price Laboratory School has created an Innovation Certification for Education program (ICE) to review and classroom-test new educational innovations which have the potential to improve educational software or web-based learning.
- The Regional Business Center incubator, located in downtown Waterloo, has graduated 33 businesses into the regional economy and remains full.

**Matching Funds:** Federal funds from the Department of Energy, Small Business Administration as well as program income.

### **GIVF Project 2: Rural Entrepreneurship**

**Summary:** As of fiscal year end, twelve rural Iowa counties have launched MyEntreNet Rural Entrepreneurship Development Systems across the state. It was anticipated that MyEntreNet would serve 50 community leaders and 450 entrepreneurs (150 of them with advanced technical assistance or training) for a total of 500 rural participants during FY 2007. Those goals were exceeded across all segments, with over 900 community leaders and entrepreneurs receiving some kind of on-site technical assistance, training, mentoring or networking support during the past fiscal year, and a record 235 of these entrepreneurs receiving advanced technical assistance or training.

**Primary Metrics:** number of jobs created, new business starts and expansions, community leaders / entrepreneurs assisted, and leveraged investment.

### **Outcomes and Accomplishments during this project:**

- Across all MyEntreNet regions, 167 new full time jobs were created by 45 new or expanding rural companies. An additional 32 jobs were saved by technical assistance provided to struggling companies in these regions.
- Of those entrepreneurs receiving advanced services, nearly 20% have opened or expanded a rural company in the past twelve months.

Rural Entrepreneurship Services	Community Leaders Served	Total Entrepreneurs Served	# of Entrepreneurs Receiving Advanced Services*	Total
Goals	50	450	150	650
Actual Outcome	270	642**	235	912

<sup>\*</sup> Entrepreneurs participating in Fast Trac®, MicroEnterprise Training or receiving >4 hours of 1:1 consulting.

<sup>\*\*</sup> Some entrepreneurs attended more than one event



Year End Economic Impact	New/Expanded Businesses	Jobs Created	Businesses Saved	Jobs Saved	Commercial Investment
Goals	30	70	5	30	\$3M
<b>Actual Outcome</b>	45	167.5	4	32	\$6,139,116

January-June 2007 Rural Entrepreneurship Services	Community Leaders Served	Total Entrepreneurs Served**	# of Entrepreneurs Receiving Baseline Services*	Total
NE Iowa Counties	36	166	55	202
Carroll/Poweshiek Counties	33	47	0	80
Marion/ Decatur Counties	35	167	35	202
Jasper/ Union Counties	57	162	45	219
Total Served	161	542	135	703

<sup>\*</sup> Entrepreneurs participating in Fast Trac®, MicroEnterprise Training or receiving >4 hours of 1:1 consulting

## Area 1: Technical assistance continues with the NE Iowa MyEntreNet six-county region and Carroll/Poweshiek Counties

The NE Iowa Business Network has assumed the lead for planning regional entrepreneurial support services, including educational offerings, counseling and networking for entrepreneurs throughout the six-county region. MyEntreNet staff continues to fill gaps in service delivery areas and provide training in entrepreneurial development strategies for community and professional leaders. We believe that the steady increase in locally-owned business starts and expansions, coupled with significant job creation in NE Iowa over the past four years, is a direct reflection of this comprehensive, partner-driven approach to entrepreneurial development.

Eighteen months into system launch, both Carroll and Poweshiek counties' MyEntreNet systems struggle to gain a foothold with local and regional development organizations. Work in these areas continues to be concentrated upon community empowerment; creating a supportive infrastructure for entrepreneurial development among the leadership and development staff in both counties. New partners, including ISU extension and the newly opened Ft. Dodge SBDC office are involved in discussions to improve the number and quality of services available to entrepreneurs in their region.

<sup>\*\*</sup>Some entrepreneurs attended more than one event



## Area 2: The web resources of MyEntreNet will be made available to service providers and entrepreneurs at no charge through a statewide marketing campaign in 2006-07

As reported in January, a unique partnership was developed this past year with the statewide system of SBDC's, in order to merge their online presence with MyEntreNet's online community. However, the statewide marketing campaign has been moved back to FY 2008 in order to include the SBDC system. Thus, GIVF resources have primarily been spent to augment the array of online learning, networking and technical assistance tools available to entrepreneurs via MyEntreNet.

To date, more than 1,300 Iowa entrepreneurs have registered at <a href="www.myentre.net">www.myentre.net</a>; 326 in the past six months alone. This represents nearly double the number of rural entrepreneurs registered online a year ago. This past year the customized features of MyEntreNet have been expanded into all 99 counties with nearly 100 professional Navigators trained to provide online, email counseling to rural Iowa entrepreneurs. Work has also been focused upon creating a regular set of online "webinars" on topics of interest to small businesses.

# Area 3: Two additional counties in Iowa will launch MyEntreNet entrepreneurship development systems in the fall of 2006

Decatur and Marion counties, as reported in December, launched an aggressive array of activities and events for both community leaders and entrepreneurs this past fall, and continued their efforts during the spring of 2007. To date, 166 entrepreneurs received assistance and 35 community leaders were engaged in capacity building for entrepreneurial development in these new regions.

### Area 4: Selection of two additional MyEntreNet regions in January of 2007

In response to continued demand for new regions, two additional counties were competitively selected by the MyEntreNet selection committee in January of 2007. From a pool of seven applicants, Union and Jasper counties were added, bringing the total number of MyEntreNet regions in rural Iowa to twelve. Listening Posts, Entrepreneurship Summits (Kickoffs) and Fast Trac® training were offered in the spring of 2007.

**Matching Funds**: Federal funds from the Small Business Administration, program income and community contributions to entrepreneurship.

### **GIVF Project 3: Market Research**

**Summary:** Quality market intelligence can significantly increase a business's opportunity for success. The purpose of devoting GIVF funds to market research projects for start-up businesses, existing businesses and tourism/quality-of-life ventures, is to help expand and stimulate economic growth across Iowa by providing businesses with invaluable insight on their target markets. Strategic Marketing Services (SMS) has allocated GIVF support towards three primary areas: 1) Assistance to UNI's technology transfer program, 2) Market Research Projects, and 3) Market Research Plans and Assessments.

**Primary Metrics:** number of market research projects conducted, technology transfer projects assisted and moving forward, market research plans completed and percentage of increased jobs related to market research projects.

# University of Northern

#### **Economic Development Report to the Board of Regents**

### Outcomes and accomplishments during this project:

- Improved competitive intelligence for Iowa companies.
- Provided initial market screening and identified potential competitors for UNI faculty and staff research.
- Clients report an average employment increase of 16%, due in part to the research conducted by SMS.

### **Area 1: Assistance to UNI's Technology Transfer Program**

SMS conducted six Phase One research projects for UNI Technology Transfer opportunities during FY 2007. GIVF funding supported 50% of these Phase One projects, with the UNI Research Foundation (UNIRF) contributing the other 50%.

### **Area 2: Market Research Projects**

SMS has successfully completed five market research projects for Iowa-based businesses in FY 2007 with one still underway. Additionally, four other entities have expressed a sincere interest in utilizing SMS for market research, and are still under consideration. Costs for market research projects are split between the client and GIVF investment, with maximum GIVF support of \$10,000 per project.

### Projects Completed as of June 30, 2007

- Porta-Vet, Hudson
- UNI Metal Casting Center, Cedar Falls
- Technology Association of Iowa, Des Moines
- Development Resources of Iowa, Strawberry Point
- Plant Fiber Laminates, Cedar Falls

### Projects Underway as of June 30, 2007

• Springboard Engineering, Newton

### Projects Currently Under Consideration as of June 30, 2007

- ASI Modulex, Grinnell
- Northern Filter Media, Muscatine
- Heavy Equipment, Bellevue
- City of West Des Moines

### **Area 3: Market Research Plans and Assessments**

SMS has also provided seven Iowa companies with Market Research Plans / Strategic Plans. These plans assess a company's current market situation and provide a plan of action, as well as associated costs. These projects utilize a GIVF investment, along with a match from either the client or SMS.

### Market Research Plans/Assessments Completed as of June 30, 2007

- Soy Products, Montezuma
- Lansing Housing Products, Lansing
- Innovative Lighting, Roland
- Tiremort, Northern Iowa

- Keith Fettketter Heating/Air Conditioning
- McKee Button, Muscatine
- Far Reach Technologies, Cedar Falls

### GIVF Project 4: Capacity Building to Help Regions Succeed

**Summary:** During FY 2007, the Institute for Decision Making (IDM) and local/regional economic development leaders built upon growing levels of trust and collaboration in order to strengthen



partnerships and build capacity at the local level, thus enhancing the regional product. Specifically, IDM has focused its efforts in six regions and across multiple development initiatives. Steps have also been taken to prepare these regions for operating independent of state marketing money.

**Primary Metrics:** number of leads generated by each region, investment leverage by region, development of regional metrics (regions assessing progress – such as job creation and businesses added) and testimonial letters from each of the regions assisted.

Outcomes and accomplishments during this project: IDM solicited reports from a cross section of economic development organizations (collaborative partners) involved in regions. Over the last year, each partner averaged three business leads attributable to regional activity, with each lead having a one in six chance of a follow-up business visit. In a typical region, the average investment by each collaborative partner organization was roughly \$16,000 (53% monetary; 47% in-kind). Additionally, IDM has reviewed its partners' identification of regional metrics noting that *job creation* and *businesses added* were most often mentioned. Other highlights include two regions that developed concerted marketing and operating protocols and the receipt of testimonial letters from each region praising IDM's contributions.

Western Iowa Advantage Region (WIAD): Counties of Adair, Audubon, Carroll, Crawford, Greene, Guthrie, Sac, and Ida with Region XII Council of Governments serving as fiscal and administrative agent

- Completed regional economic development plan with priorities being: regional marketing, business retention and expansion, and entrepreneurial development.
- Increased economic developers' marketing capacity; helping them understand IDM's recommended targeted industries so they could formulate appropriate strategies.
- Updated Regional Economic Development plan; includes new strategies related to workforce development since the region received additional state funding for this.
- Assisted developers in exploring options for the establishment of a "shovel-ready site" designation for industrial sites in the region; provided useful information on what to consider.
- Provided feedback and technical assistance related to specific marketing strategies, such as approaches for a site-selector direct mail campaign.

### Ida County Economic Development Corporation (ICEDC) within this region:

- Increased capacity of the ICEDC's newly formed volunteer-led organization to develop an operations plan with multi-year priorities.
- Provided technical assistance for implementation; increasing awareness about ICEDC in the county and region, thereby aiding its sustainability.
- Directly strengthened the ability of the WIAD to implement regional efforts since ICEDC is a volunteer-driven organization with no professional economic developer.
- Provided leadership through information and assistance, as needed.

<u>Midwest Partnership Corporation, counties of Adair, Green and Guthrie, within this WIAD region</u> and also within the Southwest Iowa Marketing Coalition region:

- Conducted two-day board planning session.
- Developed three-year business plan draft and conducted board review of plan to finalize.
- Mentored executive director to assist in developing implementation strategies and actions.



**Northeast Iowa Business Network (NIBN):** Counties of Allamakee, Chickasaw, Clayton, Delaware, Fayette, Howard, and Winneshiek

- Completed (in November) the *Research and Analysis for Regional Target Industries* for NIBN, which built upon the cluster analysis that Iowa Workforce Development completed in partnership with IDM.
- Increased marketing implementation capacity with ongoing technical assistance.
- Developed and provided company-specific contact information based on completed targeting study; approximately 3,000 provided in groups of 300-500.
- Implemented direct mail program and phone follow-up for each batch of targeted companies.
- Provided planning assistance/facilitation to develop annual business plan.
- Provided benchmarking assistance to identify impacts of regional efforts.
- Working to develop a searchable product data base to enhance local inter-regional business commerce.

**Off-Shore Iowa:** Communities of Oelwein, Osceola, Mt. Pleasant, and Harlan, which are located in the counties of Fayette, Clarke, Henry, and Shelby, respectively



- Expanded capacity through an RFP, resulting in the hiring of a marketing firm to develop promotional materials.
- Local matching dollars were received to trigger a \$20,000 IDED marketing grant.
- Guided development of logo, website and direct mail marketing materials.
- Identified specific trade shows for Off-Shore Iowa to participate in as attendees, in order to judge the merits of future sponsorship.
- Developing a database of site consultants specializing in back office locations.
- Working with a design-to-build firm to develop spec building proposals for two communities.

**South Central Iowa Partnership (SCIAP):** Counties of Clarke, Decatur, Lucas, Madison, Union, and Wayne

### **Decatur County Development Corp (DCDC):**

- Leveraged first year of a two-year USDA grant to build capacity and sustainability of DCDC.
- Coordinated grant activity with that of the UNI Regional Business Center's MyEntreNet program to increase the capacity of DCDC and the county in support of entrepreneurship; led the community empowerment portion of the MyEntreNet initiative.
- Assisted the board and staff to increase their capacity for economic development organizational planning with the creation and adoption of a practical five-year strategic plan.
- Introduced and began applying the Malcolm Baldridge Criteria for Performance Excellence to improve sustainable organizational processes.
- Provided useful targets with a Targeted Industry Analysis.
- Trained and facilitated DCDC in executing an existing business initiative, including the use of the Synchronist Business Information System®.

### Union County Development Association (UCDA):

• Built capacity for entrepreneurship by leading the community empowerment portion of the MyEntreNet program.

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#### **Economic Development Report to the Board of Regents**

North Central Iowa Region (North Central Iowa Growth Partnership Marketing Alliance) Counties of Cerro Gordo, Floyd, Franklin, Hancock, Mitchell, Winnebago, and Worth

### Hancock County Economic Development Corporation within this region

- Built capacity with the board and staff of this newly reorganized corporation through direct technical assistance.
- Identified consensus-based board roles and responsibilities.
- Determined policy related to expansion and recruitment of new businesses.
- Developed a strategic plan with implementation strategies.
- Coordinated marketing initiatives with the regional alliance.

**Iowa Connections** Counties of Benton, Jasper, Tama, and Poweshiek; the communities of Marshalltown and Newton; and the Region VI Regional Planning Commission

• Increased the region's capacity to market intelligently: completed *Comprehensive Analysis of Potential Target Industries* for the region, which identified recommended industry targets; the research portion was completed in partnership with IWD, who provided industry and labor data.

**Matching Funds:** program income, US Department of Agriculture, Heartland Economic Development Course and Northwest Area Foundation.

### GIVF Project 5: National Ag-based Lubricants (NABL) Center

**Summary:** The NABL Center has been a leader in the development of Iowa's biobased products industry for over 15 years. As the price of gasoline continues to surpass three dollars per gallon and the cost of petroleum-based lubricant products increases proportionately, the significance of developing a profitable, diverse, and well-accepted biobased industry within the state of Iowa has become paramount to Iowa's economic growth. To provide support for the growth of the state's biobased products industry, the NABL Center has worked to expand its scope by:

- Offering fee-based biobased lubricant testing services to entrepreneurs and biobased lubricant manufacturers.
- Adding fee-based biofuels testing capabilities to serve the State's biodiesel and ethanol producers, and to provide quality assurance for biofuels consumers.
- Leveraging NABL scientists' 17 years of vegetable oil-based expertise to provide biodiesel and ethanol troubleshooting services for producers.
- Consulting with various biobased industry partners, in order to assist in product development projects.

**Primary Metrics:** number of fee-based tests provided for biobased products, number of new laboratory cells constructed, level of engine oil testing capability, development of biobased engine oil and ISO certification.

Area 1: Engage in cooperative research and development activities involving major lubricants and additive companies to pursue the development of biobased diesel engine oil

This is a multi-year project, with the following progress achieved in FY 2007:



- Project partners were identified and invited to join the NABL Center in this research. Negotiations were successful, and confidentiality agreements have been signed; participating partners include John Deere, DuPont and Iowa State University.
- A dedicated testing area for biobased engine oil research and equipment was identified
  within the NABL facility. Engine dynamometers and diesel engine emissions testing
  equipment for this project were researched and identified, and bids have been received for
  their purchase.
- NABL has initiated the process of protecting intellectual property rights for new technology resulting from this research. Ownership will be shared with research partners.

## Area 2: Augment existing test capabilities to include the sequence of tests needed to pass the requirements of two-stroke engine oils

- NABL investigated the necessary engines, additional test equipment, and potential modifications
  to existing equipment that would be required in order to achieve NMMA certification for
  conducting product testing on two-stroke engine oils.
- A new two-stroke engine test stand was designed, parts and materials were acquired, and the test stand was fabricated by NABL staff.

### **Area 3: Continue to expand the provision of fee-based testing services**

Progress to date: In the last year, NABL has continued to provide fee-based testing to various private entities. Roughly, 169 tests were performed at the request of outside firms. Staff anticipates that this volume will increase significantly in the upcoming months due to the finalization of NABL's ISO certification and concerted marketing efforts.

- NABL added four new laboratory modules or "test cells" to better accommodate the Center's equipment and research needs. Original laboratory space has been re-allocated to enable the Center's testing operations to be more streamlined and to facilitate optimal handling of fee-based testing requests.
- NABL completed the writing and development of an ISO 17025 Procedures Manual, Quality
  Manual and Standard Operating Procedures (SOPs). NABL staff reviewed and edited all ISO
  documents in preparation for both the internal and external reviews. It is anticipated that the
  external review will take place at the end of this summer, and subsequently, official ISO
  certification achieved.

### Area 4: New Research to investigate critical questions associated with biolubricant products

- NABL has established a methodology for more effectively controlling the bacteria which degrades biobased metalworking fluids. This methodology is a vast improvement to current fluid management practices and has the potential to improve the lifespan (and therefore cost-effectiveness) of biobased metalworking fluids.
- Samples of used metalworking fluid have been taken from NABL's machining center and initially tested. NABL anticipates the continuation of this research by extracting additional samples from the machining centers within the Metal Casting Center on the UNI campus.

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#### **Economic Development Report to the Board of Regents**

**Matching Funds:** federal funding from the Department of Energy and US Department of Agriculture and fee generation.

\*\*A complete accounting of all five UNI GIVF projects is included in the financial spreadsheet, a separate attachment.

### **Section 5: Battelle Projects**

**Overview:** The University of Northern Iowa was awarded \$3.18 million to develop research capacity related to key economic development clusters identified in the Battelle Reports. UNI invested these funds in key research programs that have the greatest potential to contribute to economic development in the state of Iowa. By supporting a portfolio of near, mid and long-term projects, UNI seeks to expand a pipeline of research that will create opportunities for technology transfer in the coming years.

This past year, UNI accelerated the research agendas of 13 projects in biosciences, information solutions and advanced manufacturing. The Battelle funding will not only make it possible for new products developed at UNI to reach the market, but it has also provided enhanced research opportunities for graduate and undergraduate students, and will contribute to an advanced workforce.

The Battelle Report, *Iowa's Bioscience Pathway for Development*, outlined the following three actions for building research capacity at the Regents Universities in Iowa.

# Battelle Area 1. Undertake key recruitment, capacity building, and required investments to ensure rapid progress in the Battelle platforms.

**Summary:** UNI has allocated \$1 million in Battelle funds to provide salary support for faculty members engaged in research projects with the potential for commercialization.

**Primary Metrics:** New faculty supported, enhancement of research capacity in Battelle platforms

**Outcomes:** In 2006-7, faculty members received support to work on 12 projects. Seven of these projects were in the Biosciences. These funds supported 6 new faculty members whose primary research focused on creating new products related to the bioeconomy and advanced manufacturing. These funds were used to accelerate the establishment of their research programs of these key contributors to technology transfer. Funds were used to support new faculty on some of the research grants identified in Section 3, as well as for the following research:

- A "phase 2" orthotic insert for lower leg amputees.
- A patentable neural network-based and other data-mining algorithms for mining Enterprise Resource Planning (ERP) databases.
- The integration of UNI grapevine identification data with the international plant germplasm database.



## Battelle Area 2. Invest in strategic technology development infrastructure to strengthen and accelerate the scientific and commercialization work of the core platforms.

**Summary:** UNI received \$1.36 million to renovate and equip research laboratories used in the Battelle projects.

**Primary Metrics:** Research infrastructure enhancements to support Battelle platforms

**Outcomes:** Renovations are currently underway to a greenhouse laboratory and two chemistry laboratories to support research to discover genes for drought resistance in barley and fungus resistance in corn, to develop and test bio-based foundry binders, and to improve the prediction of protein structures. Over all construction progress is at 85% complete for the Physics contract and 92% for the McCollum/Greenhouse contract. \$410,000 was invested this year to equip existing research laboratories involved in Battelle research grants outlined in Section 3.

### Battelle Area 3. Institute a grant program to support research in the core platforms.

**Summary:** UNI held an internal competition to select applied research projects with the greatest potential for technology transfer and commercialization. With input from the Technology and Commercialization Resources Organization, 8 projects were funded. Eleven UNI undergraduate and 9 graduate students have participated in these research projects thus far.

**Primary Metrics:** Number of disclosures, number of patents, technology transfer

**Outcomes:** Within 24 months, some of the Battelle projects are expected to result in new products or services, such as corn-based biolubricants, a bio-based foundry binder, a software application for protein structure prediction, a commercial computing grid.

### **Bioeconomy**

Ethanol & Biodiesel Byproducts as Base Oils for Biobased Industrial Lubricants. The intent of this research is to determine whether corn oil and glycerin, byproducts of ethanol and biodiesel production, respectively, have potential for use in the development of biolubricants. NABL secured 1:1 matching funds from the US Department of Energy to leverage the State's Battelle funding for this research. Tribological and performance testing were conducted to evaluate each of the samples collected within each category of byproduct, including byproduct corn oil, glycerin, and methyl esters. NABL scientists are currently investigating several interesting opportunities to use these biofuels byproducts in non-traditional biolubricant applications.

Development and Commercialization of a foundry Binder System Based on Polysaccharide bio-feed stock. The overarching goal of the UNI Metal Casting Center's research in foundry binder systems is to find bio-based substitutes for the current petroleum based binder systems that hold sand in the shape of a mold in which to cast molten metal. The specific binder system is the phenolic urethane system, which currently holds about 80% of the foundry binder market. This system is composed of three parts:

- Part I: the phenol-formaldehyde resin
- Part II: the isocyanate resin

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#### **Economic Development Report to the Board of Regents**

• Part III: the tertiary amine catalyst, which could be in either gaseous or liquid form

Battelle research completed thus far indicates the best prospect for commercialization is a Part I replacement consisting of corn syrup with a solvent package involving an alcohol (such as methanol, ethanol, or isopropanol). Pullulan is being explored as an additive to improve reaction time, as are conventional adhesion promoters already used in the binder industry. Testing is underway to determine the optimum percentages of corn syrup, solvents, adhesion promoters, isocyanate resin, and catalyst. A provisional patent is currently in process for a biobased foundry binder from this research.

### **Biodefense and Biosecurity**

Robotics-Deployed Detection of Biological Agents. Following reconsideration of the market potential, intellectual property value, prototype design and proof-of-concept constraints and following consultations with local engineers, Michael Walter altered his research focus to a more productive and profitable development of a sensor, rather than on narrow robotics deployment of the original proposal. More specifically, Walter is developing a prototype anthrax detection sensor based upon phage affinity reagent (PAR-), QCM based sensing capabilities. The prototype will be used to achieve proof of concept for the sensor with live anthrax agent (at approved BSL3 facilities).

#### **Post Genomic Medicine**

Commercialization of protein structure prediction technology. Alexsandar Poleksic and Mark Fienup proposed to develop novel and improved methods for computational protein structure determination from the sequence of amino acids, and commercialize a software package based on their innovations.

A database of protein models has been created and loaded with approximately 20,000 representative protein structures to serve as templates in the protein modeling process. They have performed the research necessary to identify a representative set of protein structures and are working on the development of JAVA routines for building the test set that will be used in the benchmark. Lastly, Fienup and Poleksic have also developed and are currently testing the first version of the protein structure prediction algorithm.

#### **Advanced Food and Feed**

Identifying drought tolerance genes in the reproductive structures of barley. Tilahun Abebe and colleagues plan to discover genes for drought tolerance in barley flowers that can be used to develop new Iowa crops resistant to drought in the sensitive reproductive stage. The project has two main objectives 1) determine gene expression at the transcription (mRNA) level in drought-stressed tissues using the Affymetrix Barley1 GeneChip, and 2) analyze gene expression in drought-stressed tissues at the proteome (protein) level using two-dimensional protein gel electrophoresis (2-D protein gel).

A postdoctoral research associate was hired to assist with this project. We have completed the growth of barley plants in a controlled environment chamber, exposed them to drought, collected tissues (husk, awn and seed) and extracted ribonucleic acid (RNA) from drought-stressed and non-stressed (control) tissues.

Faculty/Student Collaboration on Commercializable Research. Two UNI faculty proposed to work with students to discover plant genes that would be used to develop plant-made pharmaceuticals and fungus resistant crops.

The research team grew fungi free prairie plants to be exposed to *Fusarium verticillioides* to determine if any plants are resistant. Plants that were grown without fungal contamination were treated with a spore suspension of *Fusarium verticillioides* to determine if the plants would be infected and killed by the fungus. These experiments produced some very positive results. The presence of resistant individual plants has been observed in populations of seedlings from several plant species, notably Tall dropseed. Plates of Tall dropseed have shown a roughly 1% occurrence of plants that survive *F. verticillioides* infection while all other plants are killed. Researchers have observed individual plants that show resistance to the fungal infection in Big Bluestem and Little Bluestem. Presently we are in the process of cultivating these resistant plants in order to obtain a genetic line of these plants that show this resistance.

Since Tall dropseed has exhibited the most specific resistance to infection, cultivation of larger numbers of Tall dropseed plants were made to obtain large enough amount of resistant plant tissue for DNA extraction. These plants were then used for DNA extraction and the DNA was used as a template for the amplification of R type genes. We have isolated 8 DNA sequences that resemble fungal resistance genes present in other agronomic crops. A PCR reaction was completed on extracted DNA using primers for known resistance gene markers. This PCR product was inserted into plasmids and transformed into *E. coli*. The bacterial colonies with inserted genes were cultured. Plasmids were isolated and resistance gene fragments were cut back out to be used for gene sequencing. It is planned to repeat this process with other plant species once it is completed for Tall dropseed to find a larger number of possible resistance genes for *F. verticillioides*.

### **Information Solutions**

Commercial Computing Grids. Paul Gray proposed to create a High Performance Computing grid to provide academia and industry with accessible, secure, and scalable computing infrastructure. This statewide resource will provide a computing fabric needed to support new economic development in financial services, engineering and biotechnology in Iowa.

The assembly and move of the High Performance Computing Grid to the TEAM data center was completed in February. A major connection was made with the Shodor Education Foundation and minor connections with the corporations Cisco and VIA. Robert Panoff from the Shodor Education Foundation, Durham N.C. has a working relationship with the National Science Foundation which can potentially be leveraged for this project. The role of Dr. Panoff will be to market the resources of the UNI Battelle cluster to institutions that are seeking to purchase clustering equipment within their own NSF grants, and work with these institutions to lower their infrastructural costs, time commitments, and administration overhead by contracting out the resources of the UNI Battelle cluster.

Earlham College, Richmond IN, is a full partner in these ongoing discussions. Clustering resources at Earlham and UNI are to be combined for fault tolerance and to extend the resource capabilities. The Shodor Education Foundation is expected to market the combined resources to academic institutions seeking NSF funding for research projects. Cisco Systems Inc. has donated equipment to expand our systems' networking infrastructure to include Infiniband. VIA Technologies Inc., has donated eight



mini-ITX (small form factor) low-power motherboards for the purpose of promoting clustering capabilities using the LittleFe environment.

Faculty/Student Collaboration on Commercializable Research. A faculty team proposed to work with students to develop a novel system for automatically reading utilities meters using wireless mesh networks. Automatic Meter Reading (AMR) is an electronics system that provides remote meter reading of usage rate of electricity, gas, water and other related information. The primary goal of this project was to build an IEEE 802.15.4-compliant wireless mesh network based AMR system that is more cost-efficient and able to implement real-time data collection. This utility data collection system will utilize the two-way communication between AMR nodes to forward the readings back to a collection center or AMR server and therefore minimize the use of other infrastructures.

Implementation of the module prototype is expected to be completed in the laboratory by the end of this year. At this point, researchers anticipate seeking external research grant funds from NSF and Department of Energy to support the early phase operations of the project for single site mesh network deployment.

### **Advanced Manufacturing**

Commercialization of Leading Edge Paint Removal Technologies. The Iowa Waste Reduction Center (IWRC) staff have developed a VirtualBlast system based on their existing VirtualPaint<sup>TM</sup> virtual reality training tool. Research and development was completed on VirtualBlast this past year, disclosed, and patented. Licensing is in process.

An additional tool to aid in paint removal, a laser-guided depainting attachment (LaserBlast) was patented. Initial talks with Marco (of Davenport, IA) have taken place regarding integrating IWRC developed technologies into their product line. Preliminary market research has been initiated to determine the potential market segments and avenues to pursue to gain the most exposure of these developed technologies.

Faculty/Student Collaboration on Commercializable Research. Three faculty teams will work with students to enhance the properties of materials used for novel nanoscale devices and miniaturization of components; to prove the utility of a novel laser interferometer for non-contact measurement of nanoscale surface vibrations; and to compare the performance of bio-based with petroleum-based cutting fluids during machining.

#### Novel nanoscale devices

The three separate projects related to nanoscience research initiated during the past year include:

- Utilizing quantum dots for improving the efficiency of solar cells—Researchers hope to develop a solar cell prototype far more efficient than the present standard. The two materials were chosen for their ability to create multiple electrical carriers from a single photon of light. Collaboration has been developed with Dr. Vikram Dalal at Iowa State to assist with optical characterization and synthesis techniques.
- The study of transition metal dichalcogenide materials—these are layered materials which can reversibly incorporate organic molecules and metal ions. They have shown promise for many



applications, including ion storage for batteries, lubricants, sliding electrical contacts, nanoscale mass storage, atomic scale memory applications, and possible hydrogen storage devices. Researchers have been successful in creating both powder and single crystals of one such material, TiSe<sub>2</sub>. They have also been successful in incorporating Mn ions into this system, for study of possible electro-magnetic properties. Initial results also indicate that gold may be incorporated into this material, a feat which has not yet been accomplished elsewhere. Initial studies using scanning tunneling microscopy indicate that the inter-layer coupling may be weaker in TiSe<sub>2</sub> than in any other studied dichalcogenide system. This may indicate that it has superior lubrication properties than the present standard, MoS<sub>2</sub>.

• Using nanoscale films to reduce corrosion in metals—these films could be economically viable for use in situations where standard techniques can not be applied. Initial investigations used gold films of thickness no greater than 100 nm. The films were initially applied in vacuum with no post deposition heat treatment. Researchers then explored the oxidation process in 316 stainless steel both heated in air and exposed to saltwater (concentration similar to that in seawater) at elevated temperatures. This will be useful as a standard of comparison for future film studies. The research will continue by utilizing different films, introducing post vacuum heat treatments, and more easily corroded steels.

### Performance of biobased versus petroleum based cutting fluids during machining

Literature review by all three faculty researchers has been completed. To fully assess the effectiveness of a cutting fluid, it is necessary to develop a mathematical model of the process taking all the aspects into consideration. Presently the researchers are developing that model.

### The use of a novel miniature laser interferometer for two commercial applications

Researchers have demonstrated the ability to detect very minute vibrations of solid surfaces by laser interferometry. Specifically, they can detect, with no contact with the surface, the amplitude of vibrations to better than  $\pm 5$  nanometer. Nanoscale detection of surface vibrations has possible applications in early detection of miniature cracks and other surface defects. A patent disclosure has been submitted to the UNI Intellectual Property Committee.

Researchers have also been able to excite and measure the resonance frequencies of a very small volume of fluid. The data yields the surface tension with no contact with the fluid. Our test measurements on pure water and a number of other fluids and mixtures are quite promising. A patent disclosure has been submitted to the UNI Intellectual Property Committee.

### **Section 6. Collaboration for Economic Development**

### IDM and the Iowa Valley Community College District Employer Survey

The Institute for Decision Making (IDM) has pursued a collaborative relationship with the Iowa Valley Community College District for the completion of an extensive survey involving potential new jobs in the district and identifying the specific technical needs of its future workforce. The goals of this project were to:



- ✓ Gather data on the number of potential new jobs, number of replacement workers needed, skills necessary for new jobs, and the skills preferred by major employers in the college district (a four county area)
- ✓ Identify industry-specific technical skills needed for workforce development within Iowa's targeted industry clusters
- ✓ Develop a survey tool/process that meets the Community College's need for planning future programs and funding future training efforts.
- ✓ Strengthen the Community College's business retention and recruitment efforts

### Tallgrass Prairie Center and Iowa Department of Transportation (IDOT)

In cooperation with the Iowa DOT, the Tallgrass Prairie Center (TPC) reconstructed a 20-acre prairie in Plainfield Iowa (Bremer County). Once the prairie is fully established, the long-term effects of mowing, haying and burning on native plant composition will be monitored. An additional study being jointly pursued by the TPC and the Iowa DOT examines the effect of Canada Wild Rye on native plant establishment and growth, when seeded as a nurse crop in a reconstructed prairie.

### **Tallgrass Prairie Center and Cedar Falls Municipal Utilities**

A cooperative joint project involving alternative energy production has been initiated between the TPC and Cedar Falls Municipal Utilities (CFU). The TPC is conducting an applied research and demonstration project to determine what mixture of prairie species will result in optimal production of biomass for electricity generation. The experimental biomass mixtures will be burned in a stocker furnace at CFU and monitored for their potential as an energy feedstock.

#### **NABL** and Iowa State University

The National Agriculture-Based Lubricants (NABL) Center's ongoing research partnership with researchers at Iowa State University continues to provide new opportunities in biobased product development. Among several collaborative projects, one in particular focuses on the creation of economically-viable methods to improve the oxidative stability of vegetable oils, thereby enabling their use as base oils in engine crankcase lubricants and other industrial lubricant applications. In addition to ISU and UNI, two major Iowa-based industry partners are contributing to the early stages of this major project.

### IWRC and the Iowa Department of Natural Resources

The Iowa Waste Reduction Center (IWRC) worked in conjunction with the Iowa Department of Natural Resources and the Iowa Department of Economic Development to create a series of five C&D Workshops at five separate locations: Ankeny, Burlington, Council Bluffs, Mason City and Spencer. Workshop participation totaled 235 attendees and 86 speakers/staff. Forty-four (44) Real Estate Agents and Appraisers requested 8 Continuing Education Units as a result of this workshop, and 111 evaluation forms were received, comments/suggestions compiled and results shared with Business Assistance Partners.

#### **CEEE Collaborates with Local Farmers and Food Vending Institutions**

The CEEE program, Buy Fresh/Buy Local, facilitates food purchases among farmers and food vending institutions in 14 counties. In the academic year 2006-2007, institutions purchased \$881,000 worth of food directly from farmers; an increase of \$210,000 from the previous year. Restaurants, colleges, hospitals, retirement homes, and grocers were among the purchasers of meat and produce raised by



hundreds of area farmers. Since its inception in 1998, annual purchases in the Buy Fresh/Buy Local program have increased at an average of roughly 25% per year, with cumulative farmers' earnings totaling about \$3,626,000.

### Regents JPECs and Iowa Lakes Corridor Development Corporation

In the 2006/2007 academic year, the three Regent institutions' John Pappajohn Entrepreneurial Centers, in conjunction with the Iowa Lakes Corridor Development Corporation and the Iowa Department of Economic Development, developed an intensive, week-long entrepreneurial institute and simulation. This week-long simulation brought eight students from each of the Regent institutions together to the Okoboji Lakeside Lab for the advanced study of entrepreneurship. Activities included an entrepreneurial simulation; seminars with successful entrepreneurs, business leaders and community leaders; and networking to enhance the students' understanding of opportunities throughout the State. Each student received three hours of academic credit for his/her participation in the Okoboji Entrepreneurial Institute.

Metal Casting Center (MCC) Develops Foundry Binder Systems from Iowa Agricultural Products Managed by the MCC, the Center for Advanced Biobased Binders (CABB) has been funded by the Department of Energy to research the development of new foundry binder systems utilizing renewable resources. Over 15 researchers have been working to develop new polymers based on bio-renewable materials. To date, the MCC and CABB have developed six new types of industrial sand binders and hope to license the technology to their industry partners. These binders have the potential to compete favorably with existing products, helping to reduce dependence on foreign oil and lessen environmental impact. The MCC is working with the University of Iowa and Penn State University on advanced computer simulations to predict air emissions based on binder components. These tools will help to determine the potential environmental effects of the new binder systems, as well as assisting researchers in the optimization of their experimental formulations. A related research project is examining the use of computer simulation to aid in heat-treat quenching operations.



### Section 7: Emerging Trends and Observations

### a. Emerging Trends in university economic development and technology transfer

Over the past decade, economic development in Iowa and across the country has dramatically and fundamentally changed. Globalization, technology and the decline of core industries, such as agriculture, natural-resource extraction and manufacturing, have led community and development leaders nationwide to seek new, innovative strategies in order to remain competitive. In Iowa, this effort has led to the development of programs focusing on renewable energy, biobased products and technology. In addition, substantial emphasis has been placed on entrepreneurship through the creation of new programs and support for business incubators and accelerators.

Business incubation has been an economic development strategy for the past three decades. However, technical services offered by incubators are recognized as being equally important to entrepreneurial success, as the space being provided to budding entrepreneurs. Leadership in business incubation, whether it be bricks and mortar or virtual incubation, has continually gravitated toward universities, and has subsequently resulted in the development of support systems and infrastructure to support emerging businesses. Activities within university-based incubators and research parks enables these institutions to not only reach out to the communities around them, but to also reach in and harness the knowledge of university faculty and staff to further benefit these growing businesses.

Student business incubation is a more recent trend and provides an opportunity for Iowa's college students to act on their entrepreneurial visions prior to graduation, and launch a new business. Iowa's Regent Universities are proud to boast some of the strongest and most successful student entrepreneur and business incubation programs in the nation.

New emphasis has been directed toward rural entrepreneurs; those who are geographically isolated from technical assistance and networks. UNI's MyEntreNet program has found a way to touch these individuals by providing a comprehensive rural entrepreneurship system, in which web-based programming connects entrepreneurs with community leaders, business resources and education. MyEntreNet also allows entrepreneurs to cultivate their business skills, locate resources within their communities and apply their efforts toward increased economic vitality for an entire region. Other entrepreneurial service providers are now working with MyEntreNet in order to create "the" statewide system for entrepreneurship.

Funding support for economic development and research programs has experienced some dramatic changes in the past two years. For decades, universities could count on federal funds to support early-stage economic development research projects. Many of these projects led to successful and self-sufficient programs that have fostered growth in the national economy. However, Congressionally-directed funding was eliminated in the 2008 federal budget, leaving many important programs in limbo. Even if Congressionally-directed funding returns in 2009, it is expected that the number of programs supported will be substantially reduced.

Another trend in economic development and technology transfer has been the expansion of partnerships. Many universities are now working more closely than ever to leverage their unique intellectual strengths and to collaborate on research and economic development projects. Partnerships and collaborative

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#### **Economic Development Report to the Board of Regents**

projects are being pursued across academic disciplines and between universities, thus creating more comprehensive outcomes than could be achieved by any partner operating independently.

### b. Availability of start-up capital and venture capital for technology entrepreneurs.

Two primary funding gaps exist for new ventures in Iowa. First, acquiring early stage, seed capital for prototype development or proof of concept is a major challenge for many entrepreneurs. This is primarily due to the fact that most angel and venture capital in Iowa is available only to companies that have existing sales, a solid management team, equity from the entrepreneur, and an exit strategy for investors. Thus, many potential ventures must turn to other sources of capital in order to launch their company and achieve sales.

Second, there is a significant gap in new venture funding in Iowa – somewhere in the range of \$25 million to \$50 million and beyond. Larger projects are generally forced to seek capital from established venture funds located on either the east or west coast. However, a few new Midwest funds have been established in the past few years and others are in the process of creation. These funds have helped to somewhat close the larger deal funding gap, although the biggest deals still seek funding from a small group of major venture capital firms. For example, medical technology and drug discovery are two categories of projects requiring substantial venture capital and therefore beyond the capacity of Midwest investors.

It is important to note that most high-quality projects in Iowa can obtain sufficient funding to be successful. The angel networks in Iowa are linked, communicate regularly, and frequently work together to syndicate deals for achieving substantial investment while spreading risk among funds. The venture capital sector in Iowa is still maturing and will become more efficient as deal quality and flow improve.

## c. New programs to enhance the impact of technology transfer and service on the creation of jobs and wealth in Iowa.

UNI is not proposing any new economic development or technology transfer programs. Rather, the restoration of base state funding to UNI's economic development programs is an institutional priority that will have an immediate and long-term impact on Iowa's economy. For example, restoring funding to the Institute for Decision Making (IDM) will result in enhanced economic activity at the local and regional level, as IDM is able to provide more rural communities across the state with economic development technical assistance. IDM has its core infrastructure in place and maintains strong relationships with economic development entities throughout Iowa, thereby creating extremely efficient mechanisms for the delivery of economic development services. Professional Developers of Iowa echo this faith in IDM's ability to build the state's capacity for economic growth, having made restored funding for IDM one of the organization's top Legislative priorities for the past five years. Similarly, restored funding is being pursued for UNI's Metal Casting Center, with an emphasis toward the Center's biobased binder project.

Battelle funding is another example of a short-term, state-supported program that, with restored funding, will enable UNI to significantly enhance its long-term applied research and technology transfer capability. Battelle funds were appropriated for only one year, but in that year, UNI strengthened its

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applied research infrastructure in key and diverse areas, such as advanced manufacturing, crop plant genetics, biobased foundry products, biosecurity, distributed financial information and computational systems, physical rehabilitation devices and therapies, and geoinformatics. Commercializable inventions in all of these areas are currently being developed by UNI faculty and staff, with Iowa-based commercial partners engaged in each project. Patent applications are being prepared for several of these innovative technologies, with more to follow throughout the next several months

In addition, the Battelle funding for UNI, though modest by traditional standards, has stimulated considerable interest by researchers throughout the university. Resuming Battelle-type funding would have a tremendous impact on UNI's applied research efforts; allowing for important new areas of exploration and commercial opportunity.

### **Section 8: Client and Project Summary**

\*\*See attached spreadsheet of UNI's client and project summary for 2007

### 8. Client and Project Summary

University of Northern Iowa Service to Iowa Fiscal Year 2007

### **Key to Acronyms**

**CEEE** - Center for Energy and Environemtnal Education

**EDC** - Executive Development Center

GeoTREE - GeoInformatics Training, Research, Education,

ICILI - Iowa Center for Immigrant Leadership and

**IDM** - Institute for Decision Making

IWRC - Iowa Waste Reduction Center

**JPEC** - John Pappajohn Entrepreneurial Center

MCC - Metal Casting Center

**NABL** - National Ag-Based Industrial Lubricants

RBC/SBDC - Regional Business Center/Small Business Development Center

**RRTTC** - Recycling and Reuse Technology Transfer Center

MIS - Materials Innovation Services

**SMS** - Strategic Marketing Services

**STEP** - Sustainable Tourism and the Environment Program

**TPC** - Tallgrass Prairie Center

IRVM - Integrated Roadside Vegetation Management

MCC - Metal Casting Center	C4	G	IRVM - Integrated Roadside Vegetation		
Community or Business	County	_	Industry	Counseling Provided	Program
Sunflower Fields - Postville	Allamakee	IA	Farm Shares	Buy Fresh/Buy Local Campaign	CEEE
Audubon School - Audubon	Audubon	IA	Elementary School	Energy Education	CEEE
AnnaBeth's Gardens - Garrison	Benton	IA	Fruits & Vegetables & Garden Center	Buy Fresh/Buy Local Campaign	CEEE
Applecart Orchard - Vinton	Benton	IA	Fruits & Vegetables & Garden Center	Buy Fresh/Buy Local Campaign	CEEE
Belle Plaine	Benton	IA	Farmers Market	Buy Fresh/Buy Local Campaign	CEEE
Cedar Valley Farm - Vinton	Benton	IA	Egg & Poultry Producers, Meat Prod	Buy Fresh/Buy Local Campaign	CEEE
Fred's Strawberry Acres - Shellsburg	Benton	IA	Fruits & Vegetables, Garden Centers	Buy Fresh/Buy Local Campaign	CEEE
Little Red Barn - Vinton	Benton	IA	Fruits & Vegetables, Egg & Poultry Prod	Buy Fresh/Buy Local Campaign	CEEE
Pheasant Run Farm	Benton	IA	Fruits & Vegetables, Egg & Poultry Prod	Buy Fresh/Buy Local Campaign	CEEE
Vinton	Benton	IA	Farmers Market	Buy Fresh/Buy Local Campaign	CEEE
Youngville Café	Benton	IA	Farmers Market	Buy Fresh/Buy Local Campaign	CEEE
Vinton-Shellsburg	Benton	IA	K-12	Environmental Issues Instruction	CEEE
Conservation Board	Benton	IA	Conservation Education	Content knowledge re: waste	CEEE
Vinton-Shellsburg Schools	Benton	IA	Elementary School	Content knowledge re: waste	CEEE
Vinton-Shellsburg Schools	Benton	IA	Middle School	Content knowledge re: waste & service	CEEE
Friends of Hartman	Black Hawk	IA	non-gov't, non-profit conservation org	Ass't on grant project requirements, etc.	CEEE
Allen Memorial Hospital - Waterloo	Black Hawk	IA	Health Care	Buy Fresh/Buy Local Campaign	CEEE
Barn Happy - Cedar Falls	Black Hawk	IA	Grocers	Buy Fresh/Buy Local Campaign	CEEE
Beck's Sports Brewery - Waterloo	Black Hawk	IA	Restaurants	Buy Fresh/Buy Local Campaign	CEEE
Beck's Sports Grill - Cedar Falls	Black Hawk	IA	Restaurants	Buy Fresh/Buy Local Campaign	CEEE
Bourbon Street - Cedar Falls	Black Hawk	IA	Restaurants	Buy Fresh/Buy Local Campaign	CEEE
Cedar Falls	Black Hawk	IA	Farmers Market	Buy Fresh/Buy Local Campaign	CEEE
Cedar Falls Lutheran Home - Cedar Falls	Black Hawk	IA	Senior Citizens Home	Buy Fresh/Buy Local Campaign	CEEE
Cedar Heights ES - Cedar Falls	Black Hawk	IA	Elementary School	Energy Education	CEEE
Cedar Valley Farmers Market - Waterloo	Black Hawk	IA	Farmers Market	Buy Fresh/Buy Local Campaign	CEEE
Central Echoes Class - Waterloo	Black Hawk	IA	Middle School	Energy Education	CEEE
CFU Energy Fair - Cedar Falls	Black Hawk	IA	Utility	Energy Education	CEEE
Cup of Joe - Cedar Falls	Black Hawk	IA	Restaurants	Buy Fresh/Buy Local Campaign	CEEE
Evansdale	Black Hawk	IA	Farmers Market	Buy Fresh/Buy Local Campaign	CEEE
Ferrari's Ristorante - Cedar Falls	Black Hawk	IA	Restaurants	Buy Fresh/Buy Local Campaign	CEEE

<b>Community or Business</b>	County	State	Industry	Counseling Provided	Program
Friendship Village - Waterloo	Black Hawk	IA	Health Care	Buy Fresh/Buy Local Campaign	CEEE
Gary Tedore Orchard - LaPorte City	Black Hawk	IA	Fruits & Vegetables	Buy Fresh/Buy Local Campaign	CEEE
Hansen ES - Cedar Falls	Black Hawk	IA	Elementary School	Energy Education	CEEE
Hansen's Farm Fresh Dairy - Hudson	Black Hawk	IA	Dairy Producers	Buy Fresh/Buy Local Campaign	CEEE
Hoffman Produce - Waterloo	Black Hawk	IA	Fruits & Vegetables	Buy Fresh/Buy Local Campaign	CEEE
Holmes MS - Cedar Falls	Black Hawk	IA	Middle School	Energy Education	CEEE
Hometown Foods - Waterloo	Black Hawk	IA	Grocers	Buy Fresh/Buy Local Campaign	CEEE
Hoover Echoes Class - Waterloo	Black Hawk	IA	Middle School	Energy Education	CEEE
Hy - Vee - Waterloo	Black Hawk	IA	Grocers	Buy Fresh/Buy Local Campaign	CEEE
IC-St Joseph - Gilbertville	Black Hawk	IA	Elementary School	Solar Energy Education	CEEE
Jefferson Greenhouse & Orchard -					
Dunkerton	Black Hawk	IA	Fruits & Vegetables	Buy Fresh/Buy Local Campaign	CEEE
Kiwanis Presentation - Cedar Falls	Black Hawk	IA	Nonprofit Org.	Energy Education	CEEE
La Porte City	Black Hawk	IA	Farmers Market	Buy Fresh/Buy Local Campaign	CEEE
Learning after 50 - Hawkeye Community					
College, Waterloo	Black Hawk	IA	Community College	Energy Education	CEEE
Lincoln ES - Cedar Falls	Black Hawk	IA	Elementary School	Energy Education	CEEE
Logan ECHOES - Waterloo	Black Hawk	IA	Elementary School	Energy Education	CEEE
Logan MS - Waterloo	Black Hawk	IA	Middle School	Solar Energy Education	CEEE
Mooroo Waterloo	Black Hawk	IA	Restaurants	Buy Fresh/Buy Local Campaign	CEEE
Orchard Hill ES - Cedar Falls	Black Hawk	IA	Elementary School	Energy Education	CEEE
Pablo's Mexican Café - Cedar Falls	Black Hawk	IA	Restaurants	Buy Fresh/Buy Local Campaign	CEEE
Price Lab School - Cedar Falls	Black Hawk	IA	Elementary School	Energy Education	CEEE
Price Lab School - Cedar Falls	Black Hawk	IA	Middle School	Solar Energy Education	CEEE
Root's Market - Cedar Falls	Black Hawk	IA	Grocers	Buy Fresh/Buy Local Campaign	CEEE
Rose Hill Farm - Hudson	Black Hawk	IA	Fruits & Vegetables, Garden Centers	Buy Fresh/Buy Local Campaign	CEEE
Rudy's Tacos - Waterloo	Black Hawk	IA	Restaurants	Buy Fresh/Buy Local Campaign	CEEE
Sash's Garden Varieties - Cedar Falls	Black Hawk	IA	Fruits & Vegetables	Buy Fresh/Buy Local Campaign	CEEE
Soho Sushi Bar & Deli - Cedar Falls	Black Hawk	IA	Restaurants	Buy Fresh/Buy Local Campaign	CEEE
Southdale ES - Waterloo	Black Hawk	IA	Elementary School	Energy Education	CEEE
Steamboat Gardens - Waterloo	Black Hawk	IA	Restaurants	Buy Fresh/Buy Local Campaign	CEEE
St Patrick's School - Cedar Falls	Black Hawk	IA	Elementary School	Energy Education	CEEE
Sunnyside Country Club - Waterloo	Black Hawk	IA	Restaurants	Buy Fresh/Buy Local Campaign	CEEE
UNI Dining Services - Cedar Falls	Black Hawk	IA	University	Buy Fresh/Buy Local Campaign	CEEE
Waterloo	Black Hawk	IA	Farmers Market	Buy Fresh/Buy Local Campaign	CEEE
Western Home - Cedar Falls	Black Hawk	IA	Health Care	Buy Fresh/Buy Local Campaign	CEEE
Cedar Falls Community Schools	Black Hawk	IA	Middle School	Content knowledge re: waste	CEEE
University of Northern Iowa - Cedar Falls	Black Hawk	IA	University	Techical Education/Nanotechnology	CEEE
University of Northern Iowa - Cedar Falls	Black Hawk	IA	University	Techical Education/Sustainability	CEEE

<b>Community or Business</b>	County	State	Industry	Counseling Provided	Program
Columbus High School - Waterloo	Black Hawk	IA	High School	Technical Education/Energy Efficiency	CEEE
Recycling, & Reuse Technology Transfer					
Center - Cedar Falls	Black Hawk	IA	Technology Outreach Center	Technical Education/Nanotechnolgy	CEEE
Walnut Ridge Baptist - Cedar Falls	Black Hawk	ΙA	Elementary School	Energy Education	CEEE
Boone MS - Boone	Boone	IA	Middle School	Environmental Issues Instruction	CEEE
Howe ES - Boone	Boone	IA	Elementary School	Energy Education	CEEE
Ogden Municipal - Ogden	Boone	IA	Utility	Energy Education	CEEE
United Community ES - Boone	Boone	IA	Elementary School	Environmental Issues Instruction	CEEE
Bartels Lutheran Home - Waverly	Bremer	IA	Health Care	Buy Fresh/Buy Local Campaign	CEEE
Bremer County Field Days	Bremer	IA	County Conservation	Energy Education	CEEE
Clausing Cattle Co Waverly	Bremer	IA	Meat Producers	Buy Fresh/Buy Local Campaign	CEEE
Genuine Faux Farm - Tripoli	Bremer	IA	Fruits & Vegetables	Buy Fresh/Buy Local Campaign	CEEE
Lions Club - Janesville	Bremer	IA	Service Organizatin	Technical Education/Ethanol Fuels	CEEE
Pablo's Mexican Café - Waverly	Bremer	IA	Restaurants	Buy Fresh/Buy Local Campaign	CEEE
Real World	Bremer	IA	Nonprofit Org.	Electric Vehicle Education	CEEE
Roth Family Farm & Gardens - Janesville	Bremer	IA	Fruits & Vegetables	Buy Fresh/Buy Local Campaign	CEEE
Tripoli	Bremer	IA	Farmers Market	Buy Fresh/Buy Local Campaign	CEEE
Washington Irving ES - Waverly	Bremer	IA	Elementary School	Energy Education	CEEE
Washington Irving ES - Waverly	Bremer	IA	Elementary School	Solar Energy Education	CEEE
Waverly	Bremer	IA	Farmers Market	Buy Fresh/Buy Local Campaign	CEEE
Waverly Festival on the Green	Bremer	IA	Utility	Energy Education	CEEE
Waverly Health Center - Waverly	Bremer	IA	Hospital	Buy Fresh/Buy Local Campaign	CEEE
Waverly Light & Power - Waverly	Bremer	IA	Utility	Energy Education	CEEE
Waverly-Shellrock ES - Waverly	Bremer	IA	Elementary School	Energy Education	CEEE
Waverly-Shellrock MS - Waverly	Bremer	IA	Middle School	Solar Energy Education	CEEE
Bagge Strawberries - Independence	Buchanan	IA	Fruits & Vegetables	Buy Fresh/Buy Local Campaign	CEEE
Buchanan County Field Days	Buchanan	IA	County Conservation	Energy Education	CEEE
Clampitt Beef - Independence	Buchanan	IA	Meat Producers	Buy Fresh/Buy Local Campaign	CEEE
Independence	Buchanan	IA	Farmers Market	Buy Fresh/Buy Local Campaign	CEEE
Independence MS - Independence	Buchanan	IA	Middle School	Solar Energy Education	CEEE
Independence Light & Power -					
Independence	Buchanan	IA	Utility	Energy Education	CEEE
Jennifer & Lonnie Brewer -Hazelton	Buchanan	IA	Fruits & Vegetables	Buy Fresh/Buy Local Campaign	CEEE
Jessup	Buchanan	IA	Farmers Market	Buy Fresh/Buy Local Campaign	CEEE
West Elementary - Independence	Buchanan	IA	Elementary School	Environmental Issues Instruction	CEEE
Aplington-Parkersburg Schools -					
Parkersburg	Butler	IA	Elementary/Middle School	Prairie tour	CEEE
Daley's Shamrock Acres - New Hartford	Butler	IA	Egg & Poultry Producers, Meat Producers	Buy Fresh/Buy Local Campaign	CEEE

Community or Business	County	State	Industry	Counseling Provided	Program
Dean's Grocery & Natural Foods -					
Aplington	Butler	IA	Grocers	Buy Fresh/Buy Local Campaign	CEEE
Martzahn's Poultry Processing - Greene	Butler	ΙA	Meat Lockers	Buy Fresh/Buy Local Campaign	CEEE
Pleasant Valley Farm - Aplington	Butler	IA	Fruits & Vegetables, Egg & Poultry Prod	Buy Fresh/Buy Local Campaign	CEEE
Shell Rock Honey & Flowers - Shell Rock	Butler	IA	Garden Centers, Honey Farms	Buy Fresh/Buy Local Campaign	CEEE
Manson Northwest HS - Webster	Calhoun	IA	High School	Electric Vehicle Education	CEEE
Pomeroy HS - Palmer	Calhoun	IA	High School	Electric Vehicle Education	CEEE
Carroll Schools - Carroll	Carroll	IA	K-12	Environmental Issues Instruction	CEEE
Fairview -Carroll	Carroll	IA	Elementary School	Energy Education	CEEE
Kuemper Catholic - Carroll	Carroll	IA	High School	Energy Education	CEEE
Kuemper Catholic - Carroll	Carroll	IA	High School	Environmental Issues Instruction	CEEE
Kuemper Catholic - Carroll	Carroll	IA	High School	Solar Energy Education	CEEE
CAM MS - Massena	Cass	IA	Middle School	Energy Education	CEEE
Scattergood - West Branch	Cedar	IA	Middle School	Solar Energy Education	CEEE
Clear Lake MS - Clear Lake	Cerro Gordo	IA	Middle School	Solar Energy Education	CEEE
North Iowa Area CC - Mason City	Cerro Gordo	IA	Community College	Electric Vehicle Education	CEEE
Aurelia Community School - Aurelia	Cherokee	ΙA	Middle School	Solar Energy Education	CEEE
Cherokee MS - Cherokee	Cherokee	ΙA	Middle School	Solar Energy Education	CEEE
Bloomin Wooley Acres Market Garden -					
Nashua	Chickasaw	IA	Farm Shares	Buy Fresh/Buy Local Campaign	CEEE
Burns Angus Farm - Lawler	Chickasaw	IA	Meat Producers	Buy Fresh/Buy Local Campaign	CEEE
Groothuis Farm -Nashua	Chickasaw	IA	Meat, Eggs & Poultry	Buy Fresh/Buy Local Campaign	CEEE
Clayton County Community Schools	Clayton	IA	Elementary/Middle School	Content knowledge re: waste	CEEE
MFL MarMac HS - Monona	Clayton	IA	High School	Electric Vehicle Education	CEEE
Adel MS - Adel	Dallas	IA	Middle School	Solar Energy Education	CEEE
Waukee HS - Waukee	Dallas	IA	High School	Electric Vehicle Education	CEEE
Davis County MS - Bloomfield	Davis	IA	Middle School	Energy Education	CEEE
Davis County Schools - Bloomfield	Davis	IA	Elementary School	Energy Education	CEEE
Eastern Iowa Reading Council	Delaware	IA	Schools	Intro to Select Environmental Books	CEEE
Independence MS - Independence	Delaware	IA	Middle School	Content knowledge re: waste	CEEE
St. Mary School - Manchester	Delaware	IA	Elementary School	Energy Education	CEEE
West Delaware Community Schools -					
Manchester	Delaware	ΙA	Middle/High School	Content knowledge re: waste	CEEE
West Delaware Community Schools -					
Manchester	Delaware	IA	Elementary School	Energy Education	CEEE
Burlington HS - Burlington	Des Moines	IA	High School	Environmental Issues Instruction	CEEE
Great River Christian - Burlington	Des Moines	IA	Elementary School	Energy Education	CEEE
Oak St. Middle School - Burlington	Des Moines	IA	Middle School	Environmental Issues Instruction	CEEE
Okoboji Reading Conference	Dickinson	IA	K-12	Intro to Select Environmental Books	CEEE

<b>Community or Business</b>	County	State	Industry	Counseling Provided	Program
Spirit Lake MS - Spirit Lake	Dickinson	IA	Middle School	Solar Energy Education	CEEE
Beckman HS - Dyersville	Dubuque	IA	High School	Content knowledge re: waste & service	CEEE
Beckman HS - Dyersville	Dubuque	IA	High School	Environmental Issues Instruction	CEEE
Dubuque Catholic Schools - Dubuque	Dubuque	IA	Elementary School	Content knowledge re: waste & service	CEEE
Dubuque Community Schools - Dubuque	Dubuque	IA	Elementary School	Content knowledge re: waste	CEEE
Dubuque Hempstead High - Asbury	Dubuque	IA	High School	Environmental Issues Instruction	CEEE
Eleanor Roosevelt Middle School -					
Dubuque	Dubuque	IA	Middle School	Environmental Issues Instruction	CEEE
Hoover ES - Dubuque	Dubuque	IA	Elementary School	Energy Education	CEEE
Schaepe Homeschool	Dubuque	IA	Elementary School	Energy Education	CEEE
Iowa Lakes REC - Estherville	Emmet	IA	Utility	Energy Education	CEEE
Oelwein	Fayette	IA	Farmers Market	Buy Fresh/Buy Local Campaign	CEEE
Rawson Berries - West Union	Fayette	IA	Fruits & Vegetables	Buy Fresh/Buy Local Campaign	CEEE
Charles City	Fayette	IA	Farmers Market	Buy Fresh/Buy Local Campaign	CEEE
North Fayette Community Schools	Fayette	IA	Elementary School	Content knowledge re: waste	CEEE
Oelwein Middle School - Oelwein	Fayette	IA	Middle School	Environmental Issues Instruction	CEEE
Wings Park Elementary - Oelwein	Fayette	IA	Elementary School	Environmental Issues Instruction	CEEE
Lincoln Elementary - Charles City	Floyd	IA	Elementary School	Environmental Issues Instruction	CEEE
Charles City MS - Charles City	Floyd	IA	Middle School	Solar Energy Education	CEEE
Nora Springs MS - Nora Springs	Floyd	IA	Middle School	Solar Energy Education	CEEE
Homeschool	Franklin	IA	Elementary School	Energy Education	CEEE
Conrad	Grundy	IA	Farmers Market	Buy Fresh/Buy Local Campaign	CEEE
Grundy Center	Grundy	IA	Farmers Market	Buy Fresh/Buy Local Campaign	CEEE
Grunklee's Greenhouse - Reinbeck	Grundy	IA	Fruits & Vegetables, Garden Centers	Buy Fresh/Buy Local Campaign	CEEE
Gladbrook-Reinbeck - Reinbeck	Grundy	IA	High School	Environmental Issues Instruction	CEEE
AGWSR MS - Wellsburg	Grundy	IA	Middle School	Solar Energy Education	CEEE
Grundy Center MS - Grundy Center	Grundy	IA	Middle School	Solar Energy Education	CEEE
Stevens Homeschool	Guthrie	IA	Middle School	Solar Energy Education	CEEE
AGWSR - Ackley	Hardin	IA	Elementary School	Energy Education	CEEE
Eldora/New Providence ES - Eldora	Hardin	IA	Elementary School	Energy Education	CEEE
Hershey Family Nursery - Ackley	Hardin	IA	Fruits & Vegetables, Garden Centers	Buy Fresh/Buy Local Campaign	CEEE
Homeschool	Hardin	IA	Elementary School	Energy Education	CEEE
Lean Pork Lane - Eldora	Hardin	IA	Egg & Poultry Producers, Meat Prod	Buy Fresh/Buy Local Campaign	CEEE
Hubbard-Radcliffe HS - Hubbard	Hardin	IA	High School	Electric Vehicle Education	CEEE
Riverbend Middle School - Iowa Falls	Hardin	IA	Middle School	Environmental Issues Instruction	CEEE
Mt. Pleasant MS - Mount Pleasant	Henry	IA	Middle School	Energy Education	CEEE
Mt. Pleasant MS - Mount Pleasant	Henry	IA	Middle School	Solar Energy Education	CEEE
Salem ES - Salem	Henry	IA	Elementary School	Energy Education	CEEE

<b>Community or Business</b>	County	State	Industry	Counseling Provided	Program
Van Allen ES - Mount Pleasant	Henry	ΙA	Elementary School	Energy Education	CEEE
Winfield/Mt Union - Winfield	Henry	ΙA	Middle School	Energy Education	CEEE
Natvig Family Farm - Cresco	Howard	ΙA	Meat, Eggs & Poultry	Buy Fresh/Buy Local Campaign	CEEE
Battle Creek-Ida Grove Schools - Ida Grove	Ida	IA	Middle School	Content knowledge re: waste & service	CEEE
Conservation Board	Ida	ΙA	Conservation Education	Content knowledge re: waste & service	CEEE
H-L-V ES - Victor	Iowa	ΙA	Elementary School	Energy Education	CEEE
Mary Welsh ES - Williamsburg	Iowa	ΙA	Elementary School	Energy Education	CEEE
Briggs ES - Maquoketa	Jackson	ΙA	Elementary School	Energy Education	CEEE
Gateway Natural Meats - Bellevue	Jackson	ΙA	Egg & Poultry Producers	Buy Fresh/Buy Local Campaign	CEEE
Gateway Natural Meats - Bellevue	Jackson	ΙA	Meat Producers	Buy Fresh/Buy Local Campaign	CEEE
Pekin Community School District -					
Packwood	Jefferson	IA	Elementary School	Energy Education	CEEE
Pekin Community HS - Packwood	Jefferson	ΙA	High School	Electric Vehicle Education	CEEE
Coralville Reading Conference	Johnson	ΙA	Schools	Intro to Select Environmental Books	CEEE
Iowa City Community School District - Iowa					
City	Johnson	IA	Elementary School	Content knowledge re: waste	CEEE
Iowa City Community School District - Iowa					
City	Johnson	IA	Elementary School	Content knowledge re: waste & service	CEEE
Iowa City West - Iowa City	Johnson	ΙA	High School	Environmental Issues Instruction	CEEE
Iowa City West - Iowa City	Johnson	ΙA	High School	Electric Vehicle Education	CEEE
Lakeview ES - Solon	Johnson	ΙA	Elementary School	Solar Energy Education	CEEE
Anamosa Community Schools - Anamosa	Jones	IA	Elementary School	Content knowledge re: waste & service	CEEE
Monticello High School - Monticello	Jones	ΙA	High School	Environmental Issues Instruction	CEEE
Hawthorne ES - Keokuk	Lee	ΙA	Elementary School	Energy Education	CEEE
Alliant Energy - Cedar Rapids	Linn	ΙA	Utility	Energy Education	CEEE
Cedar Rapids Community Schools Cedar					
Rapids	Linn	IA	Elementary School and Middle School	Content knowledge re: waste	CEEE
Coggon Elementary Center - Coggon	Linn	ΙA	Elementary School	Energy Education	CEEE
Jefferson High School - Cedar Rapids	Linn	ΙA	High School	Environmental Issues Instruction	CEEE
Kennedy - Cedar Rapids	Linn	ΙA	High School	Electric Vehicle Education	CEEE
Linn-Mar Community Schools Marion	Linn	ΙA	Middle School	Content knowledge re: waste	CEEE
Linn-Mar Excelsior - Marion	Linn	ΙA	Middle School	Environmental Issues Instruction	CEEE
Linn-Mar Excelsior - Marion	Linn	ΙA	Middle School	Solar Energy Education	CEEE
Oak Ridge MS - Marion	Linn	ΙA	Middle School	Environmental Issues Instruction	CEEE
Prarie -Cedar Rapids	Linn	ΙA	High School	Electric Vehicle Education	CEEE
Running Buffalo Ranch - Center Point	Linn	ΙA	Meat, Eggs & Poultry	Buy Fresh/Buy Local Campaign	CEEE
Speer Family	Linn	ΙA	High School	Electric Vehicle Education	CEEE

<b>Community or Business</b>	County	State	Industry	Counseling Provided	Program
St. Matthew's School - Cedar Rapids	Linn	IA	Elementary School	Energy Education	CEEE
Trees Forever - Cedar Rapids	Linn	IA	non-gov't, non-profit conservation org	Ass't on grant project requirements, etc.	CEEE
West Lyon Community School District	Lyon	IA	Elementary School	Energy Education	CEEE
West Lyon MS - Inwood	Lyon	IA	Middle School	Solar Energy Education	CEEE
Pella MS - Pella	Marion	IA	Middle School	Energy Education	CEEE
Pella Middle School - Pella	Marion	IA	Middle School	Environmental Issues Instruction	CEEE
Pella Municipal Utility - Pella	Marion	IA	Utility	Energy Education	CEEE
Alliant Energy - Marshalltown	Marshall	IA	Utility	Energy Education	CEEE
Marshalltown Community Schools -					
Marshalltown	Marshall	IA	Elementary School and High School	Content knowledge re: waste	CEEE
Marshalltown Community College -					
Marshalltown	Marshall	IA	Community College	Technical Education/Sustainability	CEEE
Fisher ES - Marshalltown	Marshall	IA	Elementary School	Solar Energy Education	CEEE
Rogers ES - Marshalltown	Marshall	IA	Elementary School	Solar Energy Education	CEEE
West Marshall CDS - State Center	Marshall	IA	Middle School	Solar Energy Education	CEEE
West Marshall MS - State Center	Marshall	IA	Middle School	Energy Education	CEEE
Woodbury ES - Marshalltown	Marshall	IA	Elementary School	Energy Education	CEEE
Woodbury ES - Marshalltown	Marshall	IA	Elementary School	Solar Energy Education	CEEE
Osage Municipal Utility - Osage	Mitchell	IA	Utility	Energy Education	CEEE
Riceville HS - Riceville	Mitchell	IA	High School	Electric Vehicle Education	CEEE
Sacred Heart ES - Osage	Mitchell	IA	Elementary School	Energy Education	CEEE
Washington ES - Osage	Mitchell	IA	Elementary School	Energy Education	CEEE
Loess Hills Alliance	Monona	IA	non-gov'tal, non-profit land trust org	Ass't on grant project requirements, etc.	CEEE
Colorado ES - Muscatine	Muscatine	IA	Elementary School	Energy Education	CEEE
Dreamcatchers - West Liberty	Muscatine	IA	Middle School	Solar Energy Education	CEEE
Franklin ES - Muscatine	Muscatine	IA	Elementary School	Energy Education	CEEE
Grant ES - Muscatine	Muscatine	IA	Elementary School	Energy Education	CEEE
Jefferson ES - Muscatine	Muscatine	IA	Elementary School	Energy Education	CEEE
Madison ES - Muscatine	Muscatine	IA	Elementary School	Energy Education	CEEE
McKinley ES - Muscatine	Muscatine	IA	Elementary School	Energy Education	CEEE
Mulberry ES - Muscatine	Muscatine	IA	Elementary School	Energy Education	CEEE
Muscatine HS - Muscatine	Muscatine	IA	High School	Electric Vehicle Education	CEEE
Muscatine Power & Water - Muscatine	Muscatine	IA	Utility	Energy Education	CEEE
Washington ES - Muscatine	Muscatine	IA	Elementary School	Energy Education	CEEE
Hartley-Melvin-Sanborn MS - Sanborn	O'Brien	IA	Middle School	Solar Energy Education	CEEE
Ben Franklin ES - Sibley	Osceola	IA	Elementary School	Energy Education	CEEE
Essex Community Schools - Essex	Page	IA	Middle School	Solar Energy Education	CEEE
Conservation Board	Polk	IA	Conservation Education	Ass't on grant project requirements, etc.	CEEE
City of Pleasant Hill - Pleasant Hill	Polk	IA	K-12	Environmental Issues Instruction	CEEE

<b>Community or Business</b>	County	State	Industry	Counseling Provided	Program
Des Moines Public Schools/Gifted&					
Talented - Des Moines	Polk	IA	K-12	Solar Energy Education	CEEE
Growing Green Community	Polk	ΙA	non-gov't green development org	Ass't on grant project requirements, etc.	CEEE
Iowa Environmental Council - Des Moines	Polk	IA	non-gov't, non-profit conservation org	Ass't on grant project requirements, etc.	CEEE
Iowa Recycling Assoc - Des Moines	Polk	ΙA	non-gov't, non-profit waste org	Ass't on grant project requirements, etc.	CEEE
Southeast Polk High School - Pleasant Hill	Polk	IA	High School	Environmental Issues Instruction	CEEE
Urbandale MS - Urbandale	Polk	IA	Middle School	Solar Energy Education	CEEE
Crossroads Park ES - West Des Moines	Polk	IA	Elementary School	Solar Energy Education	CEEE
Willowbrook Elementary - Altoona	Polk	IA	Elementary School	Environmental Issues Instruction	CEEE
Conservation Board	Pottawattamie	ΙA	Conservation Education	Ass't on grant project requirements, etc.	CEEE
Cody ES - Pleasant Valley	Scott	ΙA	Elementary School	Solar Energy Education	CEEE
Davenport	Scott	IA	Middle School	Solar Energy Education	CEEE
Rivermont Collegiate - Bettendorf	Scott	IA	Elementary School	Energy Education	CEEE
St. Paul the Apostle School - Davenport	Scott	IA	Middle School	Environmental Issues Instruction	CEEE
Spalding Catholic Middle School - Granville	Sioux	IA	Middle School	Energy Education	CEEE
Unity Christian HS - Orange City	Sioux	ΙA	High School	Solar Energy Education	CEEE
Western Hills Area Education Agency -					
Sioux City	Sioux	IA	government education agency	Ass't on grant project requirements, etc.	CEEE
Iowa 4-H Foundation	Story	IA	Foundation	Ass't on grant project requirements, etc.	CEEE
Iowa State University - Ames	Story	IA	institute for higher education	Ass't on grant project requirements, etc.	CEEE
Practical Farmers of Iowa	Story	IA	non-gov't, non-profit agriculture org	Ass't on grant project requirements, etc.	CEEE
Adolph's Produce and Bakery - Traer	Tama	IA	Fruits & Vegetables	Buy Fresh/Buy Local Campaign	CEEE
Dreesman Buffalo Ranch - Tama	Tama	IA	Meat Producers	Buy Fresh/Buy Local Campaign	CEEE
Dysart	Tama	IA	Farmers Market	Buy Fresh/Buy Local Campaign	CEEE
Heritage Farm - Clutier	Tama	IA	Fruits & Vegetables	Buy Fresh/Buy Local Campaign	CEEE
Hometown Foods - Gladbrook	Tama	IA	Grocers	Buy Fresh/Buy Local Campaign	CEEE
Lorenz Produce - Traer	Tama	IA	Fruits & Vegetables	Buy Fresh/Buy Local Campaign	CEEE
Monat Natural Beef - Traer	Tama	IA	Meat Producers	Buy Fresh/Buy Local Campaign	CEEE
Porkland Farms, Inc Buckingham	Tama	IA	Fruits & Vegetables	Buy Fresh/Buy Local Campaign	CEEE
South Tama County MS - Toledo	Tama	IA	Middle School	Solar Energy Education	CEEE
Toledo	Tama	IA	Farmers Market	Buy Fresh/Buy Local Campaign	CEEE
Traer	Tama	IA	Farmers Market	Buy Fresh/Buy Local Campaign	CEEE
North Tama Community Schools - Traer	Tama	IA	High School	Content knowledge re: waste & service	CEEE
Ottumwa HS - Ottumwa	Wapello	ΙA	High School	Solar Energy Education	CEEE
Ottumwa Community Schools - Ottumwa	Wapello	ΙA	Middle School	Content knowledge re: waste	CEEE
Ottumwa Community Schools - Ottumwa	Wapello	ΙA	Middle School	Content knowledge re: waste & service	CEEE

Community or Business	County	State	Industry	<b>Counseling Provided</b>	Program
Indianola Middle School - Indianola	Warren	IA	Middle School	Environmental Issues Instruction	CEEE
Mid-Prairie MS - Wellman	Washington	IA	Middle School	Solar Energy Education	CEEE
Washington HS - Washington	Washington	IA	High School	Content knowledge re: waste & service	CEEE
Butler ES - Fort Dodge	Webster	IA	Elementay School	Energy Education	CEEE
Fair Oaks MS -Fort Dodge	Webster	IA	Elementay School	Energy Education	CEEE
Iowa Central CC - Fort Dodge	Webster	IA	Community College	Electric Vehicle Education	CEEE
Iowa Central CC - Fort Dodge	Webster	IA	Community College	Solar Energy Education	CEEE
Forest City MS - Forest City	Winnebego	IA	Middle School	Solar Energy Education	CEEE
Homeschool	Winnebago	IA	Elementay School	Energy Education	CEEE
UNI/RHR	Winnebago	IA	Individual	Electric Vehicle Education	CEEE
Decorah Community Schools - Decorah	Winneshiek	IA	High School	Environmental Issues Instruction	CEEE
Lawton-Bronson Jr./Sr. High School -					
Lawton	Woodbury	IA	Middle School	Solar Energy Education	CEEE
Sergeant Bluff-Luton HS - Sergeant Bluff	Woodbury	IA	High School	Electric Vehicle Education	CEEE
Bishop Energy Engineering - Northwood	Worth	IA	Energy Consultant	Energy Education	CEEE
Northwood-Kensett ES - Northwood	Worth	IA	Elementay School	Energy Education	CEEE
Northwood-Kensett Jr./Sr. High School -					
Northwood	Worth	IA	Middle/High School	Solar Energy Education	CEEE
Belmond-Klemme Community School -					
Belmond	Wright	IA	Middle/High School	Solar Energy Education	CEEE
Clarion ES - Clarion	Wright	IA	Elementay School	Energy Education	CEEE
Lincoln ES - Eagle Grove	Wright	IA	Elementay School	Energy Education	CEEE
Robert Blue MS - Eagle Grove	Wright	IA	Middle School	Energy Education	CEEE
Advanced Heat Treat - Waterloo	Black Hawk	IA	Manufacturing	Training	EDC
Allen Health System - Waterloo	Black Hawk	IA	Health Care	Training	EDC
Aviands (BH County Jail) - Waterloo	Black Hawk	IA	Service	Training	EDC
Bossard - Cedar Falls	Black Hawk	IA	Manufacturing	Training	EDC
Cedar Falls Fire & Rescue - Cedar Falls	Black Hawk	IA	Service	Training	EDC
Cedar Falls Utilities - Cedar Falls	Black Hawk	IA	Service	Training	EDC
City of Cedar Falls - Cedar Falls	Black Hawk	IA	Government	Training	EDC
ConAgra Grocery Products - Waterloo	Black Hawk	IA	Manufacturing	Training	EDC
CUCCC - Cedar Falls	Black Hawk	IA	Service	Training	EDC
Doerfer Companies - Cedar Falls	Black Hawk	IA	Manufacturing	Training	EDC
Dyton, Inc Cedar Falls	Black Hawk	IA	Service	Training	EDC
Eagle Ottawa- Waterloo	Black Hawk	IA	Manufacturing	Training	EDC
Exceptional Persons, Inc Waterloo	Black Hawk	IA	Service	Training	EDC
Ferguson - Waterloo	Black Hawk	IA	Service	Training	EDC
Grainger Parts - Waterloo	Black Hawk	IA	Service	Training	EDC
Iowa Metal Spinners - Cedar Falls	Black Hawk	IA	Manufacturing	Training	EDC

<b>Community or Business</b>	County	State	Industry	Counseling Provided	Program
John Deere Waterloo Works - Waterloo	Black Hawk	ΙA	Manufacturing	Training	EDC
Kay Park Industries - Janesville	Black Hawk	ΙA	Manufacturing	Training	EDC
KWWL TV - Waterloo	Black Hawk	ΙA	Service	Training	EDC
Liberty Bail Bonds - Waterloo	Black Hawk	ΙA	Service	Training	EDC
Manatts - Elk Run Heights	Black Hawk	ΙA	Service	Trainingi	EDC
MidAmerican Energy - Waterloo	Black Hawk	ΙA	Utility	Training	EDC
NE Family Practice - Waterloo	Black Hawk	ΙA	Health Care	Training	EDC
Rabo AgriFinance - Cedar Falls	Black Hawk	ΙA	Financial	Training	EDC
Omega Cabinets- Waterloo	Black Hawk	ΙA	Manufacturing	Training	EDC
Porta-Vet - Hudson	Black Hawk	ΙA	Manufacturing	Training	EDC
Shoff Consulting Engineers - Cedar Falls	Black Hawk	ΙA	Service	Training	EDC
UNI Facilities Svcs - Cedar Falls	Black Hawk	ΙA	Service	Training	EDC
UNI Physics Dept Cedar Falls	Black Hawk	ΙA	Education	Training	EDC
United Concrete - Elk Run Heights	Black Hawk	ΙA	Service	Training	EDC
University Book & Supply - Cedar Falls	Black Hawk	ΙA	Retail	Training	EDC
Veridian Credit Union - Waterloo	Black Hawk	ΙA	Financial	Training	EDC
Viking Pump, Inc - Cedar Falls	Black Hawk	ΙA	Manufacturing	Training	EDC
Waterloo Implement - Hudson	Black Hawk	ΙA	Retail	Training	EDC
Waterloo Industries, Inc - Waterloo	Black Hawk	ΙA	Manufacturing	Training	EDC
Wheaton Franciscan Healthcare - Waterloo	Black Hawk	IA	Service	Training	EDC
CUNA Mutual - Waverly	Bremer	IA	Service	Training	EDC
GMT Corporation - Waverly	Bremer	IA	Manufacturing	Training	EDC
Larabee Center - Waverly	Bremer	IA	Service	Training	EDC
Nestle USA Beverage Div Waverly	Bremer	IA	Manufacturing	Training	EDC
Northern Iowa Therapy - Waverly	Bremer	IA	Health Care	Training	EDC
Waverly Health Center - Waverly	Bremer	IA	Service	Training	EDC
waverry freatth center - waverry	DICIICI	IA	Screec	Training	EDC
Buchanan Cty. Health Ctr - Independence	Buchanan	IA	Health Care	Training	EDC
Geater Machining & Mfg- Independence	Buchanan	ΙA	Manufacturing	Training	EDC
Cambrex Charles City - Charles City	Franklin	ΙA	Manufacturing	Training	EDC
Lincoln Savings Bank - Reinbeck	Grundy	ΙA	Financial	Training	EDC
Holden's Foundation Seeds	Iowa	ΙA	Agriculture	Training	EDC
ACT - Iowa City	Johnson	ΙA	Service	Training	EDC
Alliant Energy - Cedar Rapids	Linn	IA	Service	Training	EDC
Big Brothers Big Sisters - Cedar Rapids	Linn	ΙA	Service	Training	EDC
Gazette Communications - Cedar Rapids	Linn	ΙA	Publishing	Training	EDC
Intermec Technologies - Cedar Rapids	Linn	IA	Manufacturing	Training	EDC
Linn Area Credit Union - Cedar Rapids	Linn		Financial	Training	EDC

<b>Community or Business</b>	County	State	Industry	Counseling Provided	Program
Midland Forge - Cedar Rapids	Linn	ΙA	Manufacturing T	Fraining	EDC
Rockwell Collins - Cedar Rapids	Linn	ΙA	Manufacturing T	Гraininig	EDC
St. Luke's Hospital - Cedar Rapids	Linn	ΙA	Health Care T	Fraining	EDC
United Fire & Casualty Co - Cedar Rapids	Linn	IA	Service T	Fraining	EDC
Worley Warehousing - Cedar Rapids	Linn	ΙA		Fraining	EDC
			E	Education & Research activities in Geospatial	
Black Hawk County	Black Hawk	IA		echnologies	GeoTREE
·			E	Education & Research activities in Geospatial	
City of Cedar Falls	Black Hawk	IA		echnologies	GeoTREE
			E	Education & Research activities in Geospatial	
City of Evansdale	Black Hawk	IA		echnologies	GeoTREE
			E	Education & Research activities in Geospatial	
City of Waterloo	Black Hawk	IA	City Government to	echnologies	GeoTREE
			E	Education & Research activities in Geospatial	
Natural Resources Conservation Services	Black Hawk	IA	US Government Agency to	echnologies	GeoTREE
			E	Education & Research activities in Geospatial	
Iowa Department of Natural Resources	Statewide	IA		echnologies	GeoTREE
			E	Education & Research activities in Geospatial	
Iowa Department of Natural Resources	Statewide	IA		echnologies	GeoTREE
			E	Education & Research activities in Geospatial	
US Fish and Wildlife Service and NASA	Statewide	IA		echnologies	GeoTREE
Radio La Buena	Black Hawk	ΙA	Workforce Development N	Newcomer Worker Orientation	ICILI
El Centro Latinoamericano	Black Hawk	ΙA		Гraining	ICILI
Covenant Hospital	Black Hawk	ΙA	Health Care	Cultural Competency Training	ICILI
Evangelical Lutheran Church of America	Black Hawk	ΙA		Гraining	ICILI
Cedar Valley Hospice	Black Hawk	ΙA	Health Care	Cultural Competency Training	ICILI
UNI-Cedar Valley Roundtable	Black Hawk	ΙA	Education T	Гraining	ICILI
Waterloo-Cedar Falls Chambers of					
Commerce	Black Hawk	IΑ	Community Services	Гraining	ICILI
Cedar Valley Leadership Institute	Black Hawk	ΙA	1	Гraining	ICILI
			N	Measuring Diversity in the Workplace	
Sartori Hospital	Black Hawk	IΑ		Гraining	ICILI
Allen Health System - Waterloo	Black Hawk	IA	Health Care	Cultural Competency Training	ICILI
Buena Vista Regional Hospital	Buena Vista	ΙA	Health Care	Cultural Competency Training	ICILI
BRIDGES Mental Health Project	Buena Vista	ΙA	Health Care	Cultural Competency Training	ICILI
Mercy Hospital	Cerro Gordo	ΙA	Health Care	Cultural Competency Training	ICILI
Hampton Chamber of Commerce	Franklin	ΙA		Гraining	ICILI
Hamilton County Health Department	Hamilton	ΙA	Health Care C	Cultural Competency Training	ICILI

<b>Community or Business</b>	County	State	Industry	Counseling Provided	Program
University of Iowa College of Public Health			Health Care	Training	ICILI
Iowa City Foreign Relations Council	Johnson	ΙA	Community Services	Training	ICILI
Catherine McCauley Center	Linn	ΙA	Education	Training	ICILI
Diversity Focus	Linn	ΙA	Education	Training	ICILI
Iowa Business Council	Marion	ΙA	Business and Industry	Training	ICILI
Marshalltown Community College	Marshall	IA	Education	Training	ICILI
Iowa Department of Public Safety	Polk	IA	Iowa State Patrol	Cultural Competency Training	ICILI
Des Moines Higher Education					
Collaborattive	Polk	IA	Downtown Employers	Measuring Diversity Training	ICILI
Iowa Department of Economic Development	Polk	IA	Economic Development	Immigration & Workforce in Iowa	ICILI
Iowa Department of Public Health	Polk	IA	Health Care	Network Development	ICILI
Planned Parenthood of Greater Des Moines	Polk	ΙA	Health Care	Cultural Competency Training	ICILI
Central Iowa Hospice	Polk	IA	Health Care	Cultural Competency Training	ICILI
Iowa Public Health Association	Polk	IA	Health Care	Cultural Competency Training	ICILI
Des Moines University	Polk	IA	Education	Cultural Competency Training	ICILI
Iowa Deparment of Education	Polk	IA	Education	Training	ICILI
Western Iowa Community College	Pottawattamie	ΙA	Education	Training	ICILI
Western Iowa Caregivers Association	Pottawattamie	IA	Health Care	Training	ICILI
Sioux Center Community Hospital	Sioux	IA	Health Care	Cultural Competency Training	ICILI
Iowa Workforce Development	Tama	IA	Community Services	Cultural Competency Training	ICILI
Uper Des Moines Opportunity	Webster	IA	Community Services	Cultural Competency Training	ICILI
St. Luke's Hospital - Sioux City	Woodbury	IA	Health Care	Cultural Competency Training	ICILI
Ouad Cities Interfaith Alliance	Scott	IA	Community Service	Training	ICILI
Sioux County Hospital	Sioux	IA	Health Care	Cultural Competency Training	ICILI
Western Iowa Advantage	Adams	IA	Economic Development	Economic Development Assistance	IDM
Northeast Iowa Business Network	Appanoose	IA	Economic Development	Economic Impact	IDM
Western Iowa Advantage	Benton	IA	Economic Development	Economic Development Assistance	IDM
Goodwill Industries	Black Hawk	IA	Non-Profit Organization	Economic Development Assistance	IDM
Greater Cedar Valley Alliance - Waterloo &			5	1	
Cedar Falls	Black Hawk	IA	Economic Development	Economic Development Assistance	IDM
Iowa Connections	Black Hawk	IA	Economic Development	Economic Development Assistance	IDM
Opportunity Works - Multi-community	Black Hawk	IA	City Government	Economic Development Assistance	IDM
Waterloo Neighborhood EDC	Black Hawk	IA	Economic Development	Economic Development Assistance	IDM
Waterloo, City of	Black Hawk	IA	Economic Development	Economic Development Assistance	IDM
	Bremer	IA	Economic Development	Economic Impact	IDM
	Bremer		Economic Development	Economic Development Assistance	IDM

<b>Community or Business</b>	County	State	Industry	Counseling Provided	Program
Opportunity Works - Multi-community	Butler	IA	Economic Development	Economic Development Assistance	IDM
Opportunity Works - Multi-community	Carroll	IA	Economic Development	Economic Development Assistance	IDM
Western Iowa Advantage	Cass	IA	Economic Development	Economic Development Assistance	IDM
Prosperity Eastern Iowa	Cedar	IA	Economic Development	Economic Development Assistance	IDM
Clear Lake Economic Development	Cerro Gordo	IA	Economic Development	Economic Development Assistance	IDM
Tipton Economic Development	Cerro Gordo	IA	Economic Development	Economic Development Assistance	IDM
DevelopSource	Clarke	IA	Economic Development	Economic Development Assistance	IDM
Northeast Iowa Business Network	Clarke	IA	Economic Development	Economic Development Assistance	IDM
Elkader, City of	Clayton	IA	City Government	Economic Development Assistance	IDM
Iowa Great Lakes	Clayton	IA	Economic Development	Economic Development Assistance	IDM
Offshore Iowa Communities-Osceola	Clayton	IA	Economic Development	Economic Development Assistance	IDM
Northeast Iowa Business Network	Clinton	IA	Economic Development	Economic Development Assistance	IDM
Prosperity Eastern Iowa	Clinton	IA	Economic Development	Economic Development Assistance	IDM
Western Iowa Advantage	Dallas	IA	City Government	Economic Development Assistance	IDM
Waukee, City of	Davis	IA	Economic Development	Economic Development Assistance	IDM
Decatur County Economic Development	Decatur	IA	Economic Development	Economic Development Assistance	IDM
MyEntreNet Regional & Local Entrep	Decatur	IA	Economic Development	Economic Development Assistance	IDM
Prosperity Eastern Iowa	Delaware	IA	Economic Development	Economic Development Assistance	IDM
Iowa Great Lakes	Dickinson	IA	Economic Development	Economic Development Assistance	IDM
Prosperity Eastern Iowa	Dubuque	IA	Economic Development	Economic Development Assistance	IDM
Iowa Great Lakes	Emmett	IA	Economic Development	Economic Development Assistance	IDM
DevelopSource	Fayette	IA	Economic Development	Economic Development Assistance	IDM
Elgin Race America	Fayette	IA	Non-Profit Organization	Economic Development Assistance	IDM
Fayette County Economic Development	Fayette	IA	Economic Development	Economic Development Assistance	IDM
Northeast Iowa Business Network	Fayette	IA	Economic Development	Economic Development Assistance	IDM
Oelwein Chamber & Area Development	Fayette	IA	Economic Development	Economic Development Assistance	IDM
Offshore Iowa Communities-Oelwein	Floyd	IA	Economic Development	Economic Development Assistance	IDM
Franklin County Economic Development -					
Hampton	Franklin	IA	Economic Development	Economic Development Assistance	IDM
Mid West Partnership	Greene	IA	Economic Development	Economic Development Assistance	IDM
Western Iowa Advantage	Grundy	IA	Economic Development	Economic Development Assistance	IDM
Mid West Partnership	Guthrie	IA	Economic Development	Economic Development Assistance	IDM
Opportunity Works - Multi-community	Guthrie	IA	Economic Development	Economic Development Assistance	IDM
Hancock County Economic Dev Corp	Hancock	IA	Economic Development	Economic Development Assistance	IDM
Western Iowa Advantage	Hancock	IA	Economic Development	Economic Development Assistance	IDM
Iowa Valley Community College District	Hardin	IA	Economic Development	Economic Development Assistance	IDM
DevelopSource	Henry	IA	Economic Development	Economic Development Assistance	IDM
Offshore Iowa Communities-Mount Pleasan	Henry	IA	Economic Development	Economic Development Assistance	IDM

<b>Community or Business</b>	County	State	Industry	Counseling Provided	Program
Ida County Economic Develop Corp	Ida	ΙA	Economic Development	Economic Development Assistance	IDM
Northeast Iowa Business Network	Ida	IA	Economic Development	Economic Development Assistance	IDM
Prosperity Eastern Iowa	Jackson	ΙA	Economic Development	Economic Development Assistance	IDM
Western Iowa Advantage	Jackson	IA	Economic Development	Economic Development Assistance	IDM
Iowa Connections	Jasper	IA	Economic Development	Economic Development Assistance	IDM
Fairfield Economic Development					
Association	Jefferson	IA	Economic Development	Economic Development Assistance	IDM
Iowa City Area Development Group	Jones	IA	Economic Development	Economic Development Assistance	IDM
Prosperity Eastern Iowa	Jones	IA	Economic Development	Economic Development Assistance	IDM
Algona	Kossuth	IA	Economic Development	Economic Development Assistance	IDM
Keokuk Chamber of Commerce	Lee	IA	Economic Development	Economic Development Assistance	IDM
MyEntreNet Regional & Local Entrep	Linn	IA	Economic Development	Economic Development Assistance	IDM
Offshore Iowa Communities-Algona	Linn	IA	Utility	Economic Development Assistance	IDM
Prosperity Eastern Iowa	Linn	IA	Economic Development	Economic Development Assistance	IDM
Prosperity Eastern Iowa	Marion	IA	Economic Development	Economic Development Assistance	IDM
Green Tree Partners	Marshall	IA	Economic Development	Economic Development Assistance	IDM
Iowa Valley Community College District	Marshall	IA	Higher Education	Economic Development Assistance	IDM
Iowa Connections	Mitchell	IA	Economic Development	Economic Development Assistance	IDM
Muscatine Economic Development	Muscatine	IA	Economic Development	Economic Development Assistance	IDM
Sibley, City of	Osceola	IA	City Government	Economic Development Assistance	IDM
Council Bluffs Chamber of Commerce	Poweshiek	IA	Economic Development	Economic Development Assistance	IDM
Iowa Valley Community College District	Poweshiek	IA	Economic Development	Economic Development Assistance	IDM
MyEntreNet Regional & Local Entrep	Poweshiek	IA	Economic Development	Economic Development Assistance	IDM
Iowa Connections	Ringgold	IA	Economic Development	Economic Development Assistance	IDM
Western Iowa Advantage	Scott	ΙA	Utility	Economic Development Assistance	IDM
Offshore Iowa Communities-Harlan	Shelby	ΙA	Economic Development	Economic Development Assistance	IDM
Iowa Board of Regents	Statewide	ΙA	Economic Development	Economic Development Assistance	IDM
Iowa Department of Economic Development	Statewide	IA	State Agency	Economic Development Assistance	IDM
Iowa Great Places	Statewide	ΙA	Economic Development	Economic Development Assistance	IDM
Iowa Workforce Development	Statewide	IA	Economic Development	Economic Development Assistance	IDM
Iowa Connections	Tama	IA	Economic Development	Economic Development Assistance	IDM
Professional Developers of Iowa	Tama	IA	Economic Development	Economic Development Assistance	IDM
Tama County Economic Development	Tama	IA	Economic Development	Economic Development Assistance	IDM
Opportunity Works - Multi-community	Taylor	IA	Economic Development	Economic Development Assistance	IDM
Warren County Economic Dev Corp	Warren	IA	Economic Development	Economic Development Assistance	IDM
Northeast Iowa Business Network	Woodbury	IA	Economic Development	Economic Impact	IDM
Adair	Adair	IA	Manufacturing (20-39)	Air Assistance	IWRC
New Albin	Allamakee	ΙA	Manufacturing (20-39)	Air Assistance	IWRC

<b>Community or Business</b>	County	State	Industry	Counseling Provided	Program
New Albin	Allamakee	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
Waukon	Allamakee	IA	Manufacturing (20-39)	Air Assistance	IWRC
Waukon	Allamakee	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
Centerville	Appanoose	IA	Transportation and Public Utilities (40-49)	Air Assistance	IWRC
Vinton	Benton	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
Vinton	Benton	IA	Construction (15-17)	Air Assistance	IWRC
Cedar Falls	Black Hawk	IA	Retail Trade (52-59)	Air Assistance	IWRC
Cedar Falls	Black Hawk	IA	Retail Trade (52-59)	On-Site Assistance	IWRC
Cedar Falls	Black Hawk	IA	Agriculture, Forestry, and Fishing (01-09)	On-Site Assistance	IWRC
Cedar Falls	Black Hawk	IA	Retail Trade (52-59)	On-Site Assistance	IWRC
Cedar Falls	Black Hawk	IA	Retail Trade (52-59)	On-Site Assistance	IWRC
Cedar Falls	Black Hawk	IA	Manufacturing (20-39)	Air Assistance	IWRC
Cedar Falls	Black Hawk	IA	Services (70-89)	On-Site Assistance	IWRC
Evansdale	Black Hawk	IA	Wholesale Trade (50-51)	On-Site Assistance	IWRC
Evansdale	Black Hawk	IA	Wholesale Trade (50-51)	Air Assistance	IWRC
Waterloo	Black Hawk	IA	Wholesale Trade (50-51)	On-Site Assistance	IWRC
Waterloo	Black Hawk	IA	Retail Trade (52-59)	Air Assistance	IWRC
Waterloo	Black Hawk	IA	Transportation and Public Utilities (40-49)	On-Site Assistance	IWRC
Waterloo	Black Hawk	IA	Services (70-89)	Air Assistance	IWRC
Waterloo	Black Hawk	IA	Services (70-89)	On-Site Assistance	IWRC
Waterloo	Black Hawk	IA	Wholesale Trade (50-51)	Air Assistance	IWRC
Waterloo	Black Hawk	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
Waterloo	Black Hawk	IA	Construction (15-17)	On-Site Assistance	IWRC
Waterloo	Black Hawk	IA	Manufacturing (20-39)	Air Assistance	IWRC
Waterloo	Black Hawk	IA	Construction (15-17)	On-Site Assistance	IWRC
Waterloo	Black Hawk	IA	Retail Trade (52-59)	On-Site Assistance	IWRC
Waterloo	Black Hawk	IA	Services (70-89)	On-Site Assistance	IWRC
Waterloo	Black Hawk	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
Waterloo	Black Hawk	IA	Wholesale Trade (50-51)	On-Site Assistance	IWRC
Waterloo	Black Hawk	IA	Retail Trade (52-59)	On-Site Assistance	IWRC
Boone	Boone	IA	Manufacturing (20-39)	Air Assistance	IWRC
Boone	Boone	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
Denver	Bremer	IA	Manufacturing (20-39)	Air Assistance	IWRC
Denver	Bremer	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
Janesville	Bremer	IA	Services (70-89)	On-Site Assistance	IWRC
Janesville	Bremer	IA	Services (70-89)	Air Assistance	IWRC
Readlyn	Bremer	IA	Transportation and Public Utilities (40-49)	On-Site Assistance	IWRC
Sumner	Bremer	IA	Services (70-89)	On-Site Assistance	IWRC
Sumner	Bremer	IA	Manufacturing (20-39)	Air Assistance	IWRC

<b>Community or Business</b>	County	State	Industry	Counseling Provided	Program
Sumner	Bremer	IA	Wholesale Trade (50-51)	Air Assistance	IWRC
Waverly	Bremer	IA	Services (70-89)	On-Site Assistance	IWRC
Waverly	Bremer	IA	Manufacturing (20-39)	Air Assistance	IWRC
Brandon	Buchanan	IA	Wholesale Trade (50-51)	On-Site Assistance	IWRC
Fairbank	Buchanan	IA	Wholesale Trade (50-51)	On-Site Assistance	IWRC
Independence	Buchanan	IA	Manufacturing (20-39)	Air Assistance	IWRC
Independence	Buchanan	IA	Wholesale Trade (50-51)	Air Assistance	IWRC
Dumont	Butler	IA	Wholesale Trade (50-51)	On-Site Assistance	IWRC
Coon Rapids	Carroll	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
Tipton	Cedar	IA	Wholesale Trade (50-51)	On-Site Assistance	IWRC
Tipton	Cedar	IA	Manufacturing (20-39)	Air Assistance	IWRC
Tipton	Cedar	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
West Branch	Cedar	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
Mason City	Cerro Gordo	IA	Manufacturing (20-39)	Air Assistance	IWRC
Mason City	Cerro Gordo	IA	Services (70-89)	Air Assistance	IWRC
Rockwell	Cerro Gordo	IA	Services (70-89)	Air Assistance	IWRC
Cherokee	Cherokee	IA	Nonclassified Establishments (99-99)	Air Assistance	IWRC
Cherokee	Cherokee	IA	Manufacturing (20-39)	Air Assistance	IWRC
Fredericksburg	Chickasaw	IA	Manufacturing (20-39)	Air Assistance	IWRC
Nashua	Chickasaw	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
New Hampton	Chickasaw	IA	Construction (15-17)	Air Assistance	IWRC
New Hampton	Chickasaw	IA	Manufacturing (20-39)	Air Assistance	IWRC
New Hampton	Chickasaw	IA	Retail Trade (52-59)	Air Assistance	IWRC
New Hampton	Chickasaw	IA	Transportation and Public Utilities (40-49)	Air Assistance	IWRC
New Hampton	Chickasaw	IA	Retail Trade (52-59)	On-Site Assistance	IWRC
Osceola	Clarke	IA	Manufacturing (20-39)	Air Assistance	IWRC
Osceola	Clarke	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
Dickens	Clay	IA	Manufacturing (20-39)	Air Assistance	IWRC
Spencer	Clay	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
Spencer	Clay	IA	Manufacturing (20-39)	Air Assistance	IWRC
Edgewood	Clayton	IA	Manufacturing (20-39)	Air Assistance	IWRC
Elkader	Clayton	IA	Wholesale Trade (50-51)	Air Assistance	IWRC
Guttenberg	Clayton	IA	Manufacturing (20-39)	Air Assistance	IWRC
Guttenberg	Clayton	IA	Retail Trade (52-59)	On-Site Assistance	IWRC
McGregor	Clayton	IA	Services (70-89)	Air Assistance	IWRC
Monona	Clayton	IA	Transportation and Public Utilities (40-49)	Air Assistance	IWRC
Monona	Clayton	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
Camanche	Clinton	IA	Services (70-89)	Air Assistance	IWRC
Clinton	Clinton	IA	Wholesale Trade (50-51)	Air Assistance	IWRC

Community or Business	County	State	Industry	Counseling Provided	Program
Clinton	Clinton	ΙA	Services (70-89)	Air Assistance	IWRC
De Witt	Clinton	ΙA	Mining (10-14)	Air Assistance	IWRC
Denison	Crawford	ΙA	Transportation and Public Utilities (40-49)	On-Site Assistance	IWRC
Denison	Crawford	ΙA	Manufacturing (20-39)	On-Site Assistance	IWRC
Denison	Crawford	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Adel	Dallas	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Bloomfield	Davis	ΙA	Wholesale Trade (50-51)	On-Site Assistance	IWRC
Earlville	Delaware	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Burlington	Des Moines	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Milford	Dickinson	ΙA	Manufacturing (20-39)	On-Site Assistance	IWRC
Milford	Dickinson	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Spirit Lake	Dickinson	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Spirit Lake	Dickinson	ΙA	Manufacturing (20-39)	On-Site Assistance	IWRC
Spirit Lake	Dickinson	ΙA	Services (70-89)	On-Site Assistance	IWRC
Cascade	Dubuque	ΙA	Manufacturing (20-39)	On-Site Assistance	IWRC
Cascade	Dubuque	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Cascade	Dubuque	ΙA	Public Administration (91-97)	Air Assistance	IWRC
Dubuque	Dubuque	ΙA	Services (70-89)	Air Assistance	IWRC
Dubuque	Dubuque	IA	Wholesale Trade (50-51)	Air Assistance	IWRC
Dubuque	Dubuque	ΙA	Services (70-89)	On-Site Assistance	IWRC
Dubuque	Dubuque	ΙA	Services (70-89)	On-Site Assistance	IWRC
Dubuque	Dubuque	ΙA	Public Administration (91-97)	Air Assistance	IWRC
Dyersville	Dubuque	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Dyersville	Dubuque	ΙA	Retail Trade (52-59)	On-Site Assistance	IWRC
Epworth	Dubuque	ΙA	Wholesale Trade (50-51)	On-Site Assistance	IWRC
Farley	Dubuque	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Peosta	Dubuque	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Peosta	Dubuque	ΙA	Manufacturing (20-39)	On-Site Assistance	IWRC
Sherrill	Dubuque	ΙA	Manufacturing (20-39)	On-Site Assistance	IWRC
Sherrill	Dubuque	ΙA	Nonclassified Establishments (99-99)	Air Assistance	IWRC
Worthington	Dubuque	ΙA	Wholesale Trade (50-51)	On-Site Assistance	IWRC
Oelwein	Fayette	ΙA	Transportation and Public Utilities (40-49)	Air Assistance	IWRC
Oelwein	Fayette	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Conrad	Grundy	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Reinbeck	Grundy	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Garner	Hancock	IA	Manufacturing (20-39)	Air Assistance	IWRC
Garner	Hancock	ΙA	Manufacturing (20-39)	On-Site Assistance	IWRC
Logan	Harrison	IA	Wholesale Trade (50-51)	Air Assistance	IWRC
	Harrison	ΙA	Transportation and Public Utilities (40-49)	Air Assistance	IWRC

<b>Community or Business</b>	County	State	Industry	Counseling Provided	Program
Mount Pleasant	Henry	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Mount Pleasant	Henry	ΙA	Services (70-89)	Air Assistance	IWRC
Mount Pleasant	Henry	ΙA	Manufacturing (20-39)	On-Site Assistance	IWRC
Mount Pleasant	Henry	ΙA	Transportation and Public Utilities (40-49)	Air Assistance	IWRC
Mount Pleasant	Henry	ΙA	Services (70-89)	On-Site Assistance	IWRC
Mount Pleasant	Henry	ΙA	Manufacturing (20-39)	On-Site Assistance	IWRC
New London	Henry	ΙA	Public Administration (91-97)	Air Assistance	IWRC
Cresco	Howard	ΙA	Wholesale Trade (50-51)	On-Site Assistance	IWRC
Cresco	Howard	ΙA	Agriculture, Forestry, and Fishing (01-09)	On-Site Assistance	IWRC
Gilmore City	Humboldt	ΙA	Mining (10-14)	Air Assistance	IWRC
Maquoketa	Jackson	ΙA	Transportation and Public Utilities (40-49)	Air Assistance	IWRC
Sully	Jasper	ΙA	Construction (15-17)	Air Assistance	IWRC
Fairfield	Jefferson	ΙA	Manufacturing (20-39)	On-Site Assistance	IWRC
Fairfield	Jefferson	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Fairfield	Jefferson	ΙA	Services (70-89)	Air Assistance	IWRC
Fairfield	Jefferson	ΙA	Construction (15-17)	Air Assistance	IWRC
Lockridge	Jefferson	ΙA	Wholesale Trade (50-51)	On-Site Assistance	IWRC
Coralville	Johnson	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
North Liberty	Johnson	ΙA	Retail Trade (52-59)	Air Assistance	IWRC
Anamosa	Jones	ΙA	Wholesale Trade (50-51)	Air Assistance	IWRC
Monticello	Jones	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Monticello	Jones	ΙA	Wholesale Trade (50-51)	Air Assistance	IWRC
Keota	Keokuk	IA	Manufacturing (20-39)	Air Assistance	IWRC
What Cheer	Keokuk	ΙA	Wholesale Trade (50-51)	On-Site Assistance	IWRC
Fort Madison	Lee	ΙA	Wholesale Trade (50-51)	On-Site Assistance	IWRC
Fort Madison	Lee	ΙA	Services (70-89)	On-Site Assistance	IWRC
Keokuk	Lee	ΙA	Nonclassified Establishments (99-99)	Air Assistance	IWRC
Keokuk	Lee	ΙA	Services (70-89)	On-Site Assistance	IWRC
Cedar Rapids	Linn	ΙA	Services (70-89)	On-Site Assistance	IWRC
Cedar Rapids	Linn	ΙA	Manufacturing (20-39)	On-Site Assistance	IWRC
Cedar Rapids	Linn	ΙA	Transportation and Public Utilities (40-49)	On-Site Assistance	IWRC
Cedar Rapids	Linn	ΙA	Services (70-89)	On-Site Assistance	IWRC
Cedar Rapids	Linn	ΙA	Mining (10-14)	Air Assistance	IWRC
Cedar Rapids	Linn	ΙA	Wholesale Trade (50-51)	Air Assistance	IWRC
Cedar Rapids	Linn	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Hiawatha	Linn	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Marion	Linn	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Marion	Linn	ΙA	Manufacturing (20-39)	On-Site Assistance	IWRC
Marion	Linn	ΙA	Wholesale Trade (50-51)	Air Assistance	IWRC

Community or Business	County	State	Industry	Counseling Provided	Program
Mount Vernon	Linn	IA	Manufacturing (20-39)	Air Assistance	IWRC
Springville	Linn	IA	Manufacturing (20-39)	Air Assistance	IWRC
Wapello	Louisa	IA	Manufacturing (20-39)	Air Assistance	IWRC
George	Lyon	IA	Manufacturing (20-39)	Air Assistance	IWRC
Cedar	Mahaska	IA	Agriculture, Forestry, and Fishing (01-09)	Air Assistance	IWRC
Knoxville	Marion	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
Knoxville	Marion	IA	Construction (15-17)	Air Assistance	IWRC
Knoxville	Marion	IA	Transportation and Public Utilities (40-49)	Air Assistance	IWRC
Pella	Marion	IA	Manufacturing (20-39)	Air Assistance	IWRC
Malvern	Mills	IA	Manufacturing (20-39)	Air Assistance	IWRC
Malvern	Mills	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
Onawa	Monona	IA	Manufacturing (20-39)	Air Assistance	IWRC
Moscow	Muscatine	IA	Manufacturing (20-39)	Air Assistance	IWRC
Muscatine	Muscatine	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
Muscatine	Muscatine	IA	Services (70-89)	On-Site Assistance	IWRC
Muscatine	Muscatine	IA	Transportation and Public Utilities (40-49)	Air Assistance	IWRC
Muscatine	Muscatine	IA	Manufacturing (20-39)	Air Assistance	IWRC
West Liberty	Muscatine	IA	Manufacturing (20-39)	Air Assistance	IWRC
Wilton	Muscatine	IA	Manufacturing (20-39)	Air Assistance	IWRC
Emmetsburg	Palo Alto	IA	Manufacturing (20-39)	Air Assistance	IWRC
Emmetsburg	Palo Alto	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
Le Mars	Plymouth	IA	Services (70-89)	Air Assistance	IWRC
Le Mars	Plymouth	IA	Services (70-89)	On-Site Assistance	IWRC
Laurens	Pocahontas	IA	Manufacturing (20-39)	Air Assistance	IWRC
Altoona	Polk	IA	Retail Trade (52-59)	On-Site Assistance	IWRC
Ankeny	Polk	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
Des Moines	Polk	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
Des Moines	Polk	IA	Services (70-89)	On-Site Assistance	IWRC
Des Moines	Polk	IA	Services (70-89)	On-Site Assistance	IWRC
Des Moines	Polk	IA	Manufacturing (20-39)	Air Assistance	IWRC
West Des Moines	Polk	IA	Services (70-89)	On-Site Assistance	IWRC
Council Bluffs	Pottawattamie	IA	Manufacturing (20-39)	Air Assistance	IWRC
Neola	Pottawattamie	IA	Wholesale Trade (50-51)	On-Site Assistance	IWRC
Brooklyn	Poweshiek	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
Grinnell	Poweshiek	IA	Manufacturing (20-39)	Air Assistance	IWRC
Montezuma	Poweshiek	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Early	Sac	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Bettendorf	Scott	IA	Manufacturing (20-39)	Air Assistance	IWRC
Blue Grass	Scott	ΙA	Manufacturing (20-39)	Air Assistance	IWRC

Community or Business	County	State	Industry	Counseling Provided	Program
Davenport	Scott	IA	Wholesale Trade (50-51)	Air Assistance	IWRC
Davenport	Scott	ΙA	Construction (15-17)	Air Assistance	IWRC
Davenport	Scott	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Davenport	Scott	ΙA	Public Administration (91-97)	Air Assistance	IWRC
Davenport	Scott	ΙA	Services (70-89)	Air Assistance	IWRC
Davenport	Scott	ΙA	Manufacturing (20-39)	On-Site Assistance	IWRC
Davenport	Scott	ΙA	Services (70-89)	On-Site Assistance	IWRC
Davenport	Scott	ΙA	Wholesale Trade (50-51)	On-Site Assistance	IWRC
Eldridge	Scott	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Le Claire	Scott	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Harlan	Shelby	ΙA	Agriculture, Forestry, and Fishing (01-09)	Air Assistance	IWRC
Harlan	Shelby	ΙA	Mining (10-14)	Air Assistance	IWRC
Harlan	Shelby	ΙA	Wholesale Trade (50-51)	On-Site Assistance	IWRC
Rock Valley	Sioux	IA	Manufacturing (20-39)	Air Assistance	IWRC
Ames	Story	IA	Manufacturing (20-39)	Air Assistance	IWRC
Ames	Story	IA	Construction (15-17)	Air Assistance	IWRC
Ames	Story	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
Huxley	Story	IA	Services (70-89)	On-Site Assistance	IWRC
Nevada	Story	ΙA	Manufacturing (20-39)	On-Site Assistance	IWRC
Nevada	Story	IA	Construction (15-17)	Air Assistance	IWRC
Nevada	Story	ΙA	Manufacturing (20-39)	On-Site Assistance	IWRC
Creston	Union	ΙA	Services (70-89)	Air Assistance	IWRC
Creston	Union	ΙA	Services (70-89)	On-Site Assistance	IWRC
Eddyville	Wapello	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Ottumwa	Wapello	ΙA	Services (70-89)	On-Site Assistance	IWRC
Ottumwa	Wapello	ΙA	Wholesale Trade (50-51)	On-Site Assistance	IWRC
Ottumwa	Wapello	ΙA	Services (70-89)	Air Assistance	IWRC
Indianola	Warren	ΙA	Services (70-89)	On-Site Assistance	IWRC
Indianola	Warren	IA	Services (70-89)	Air Assistance	IWRC
Lacona	Warren	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
Washington	Washington	IA	Manufacturing (20-39)	Air Assistance	IWRC
Allerton	Wayne	IA	Manufacturing (20-39)	Air Assistance	IWRC
Fort Dodge	Webster	IA	Retail Trade (52-59)	Air Assistance	IWRC
Fort Dodge	Webster	ΙA	Wholesale Trade (50-51)	On-Site Assistance	IWRC
Fort Dodge	Webster	ΙA	Wholesale Trade (50-51)	On-Site Assistance	IWRC
Fort Dodge	Webster	ΙA	Manufacturing (20-39)	Air Assistance	IWRC
Fort Dodge	Webster	ΙA	Services (70-89)	On-Site Assistance	IWRC
Fort Dodge	Webster	ΙA	Services (70-89)	Air Assistance	IWRC
Fort Dodge	Webster	ΙA	Services (70-89)	On-Site Assistance	IWRC

Community or Business	County	State	Industry	Counseling Provided	Program
Buffalo Center	Winnebago	IA	Wholesale Trade (50-51)	On-Site Assistance	IWRC
Lake Mills	Winnebago	IA	Manufacturing (20-39)	Air Assistance	IWRC
Lake Mills	Winnebago	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
Sergeant Bluff	Woodbury	IA	Manufacturing (20-39)	On-Site Assistance	IWRC
Sioux City	Woodbury	IA	Services (70-89)	On-Site Assistance	IWRC
Sioux City	Woodbury	IA	Services (70-89)	On-Site Assistance	IWRC
Sioux City	Woodbury	IA	Services (70-89)	Air Assistance	IWRC
Kensett	Worth	IA	Wholesale Trade (50-51)	On-Site Assistance	IWRC
Manly	Worth	IA	Wholesale Trade (50-51)	Air Assistance	IWRC
Shellsburg	Benton	IA	Photography	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Homebased Bakery	Start-up	JPEC
Cedar Falls	Black Hawk	IA	E-commerce	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Import/Export	Start-up	JPEC
Cedar Falls	Black Hawk	IA	E-commerce	Start-up	JPEC
Cedar Falls	Black Hawk	IA	E-commerce	Start-up	JPEC
Cedar Falls	Black Hawk	IA	E-commerce	Start-up	JPEC
Cedar Falls	Black Hawk	IA	E-commerce	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Trucking	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Media	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Accounting	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Financial Planning	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Real Estate	Start-up	JPEC
Cedar Falls	Black Hawk	IA	E-commerce	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Import/Export	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Manufacturing	Start-up	JPEC
Cedar Falls	Black Hawk	IA	E-commerce	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Real Estate	Start-up	JPEC
Cedar Falls	Black Hawk	IA	E-commerce	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Music	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Information Technology	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Homebased Catering	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Monogramming/Embroidery	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Recording Studio	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Home Inspection	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Art	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Retail	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Retail	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Gym	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Manufacturing	Start-up	JPEC

### 8. Client and Project Summary

University of Northern Iowa Service to Iowa Fiscal Year 2007

Community or Business	County	State	Industry	Counseling Provided	Program
Cedar Falls	Black Hawk	ΙA	Public Relations	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Restaurant	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Cemetery	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Human Resources	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Real Estate	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Web Design	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Veterinary	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Bar	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Restaurant	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Manufacturing	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Retail	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Restaurant	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Photography	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Accounting	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Restaurant	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Restaurant	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Financial Services	Start-up Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Funeral Business	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Retail	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	E-commerce	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Import/Export	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Construction	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Restaurant	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Import/Export	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Interior Design	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Graphic Design	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Trucking	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Personal Training	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Fundraising	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Highway Rest Stops	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Bed & Breakfast	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Retail	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Art Retail	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Computer Consulting	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Real Estate	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Publishing Company	Start-up	JPEC
	Black Hawk	ΙA	Homebased Bakery	Start-up	JPEC
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Count I allo	Black Hawk	IΑ	Restaurant	Start-up	JPEC

Community or Business	County	State	Industry	Counseling Provided	Program
Cedar Falls	Black Hawk	ΙA	Phone Service	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Restaurant	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Gym	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Retail	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	E-commerce	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Marketing	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Finance	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Financial Planning	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Martial Artsw	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Software	Start-up Start-up	JPEC
Cedar Falls	Black Hawk	IA	Homebased Business	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Construction	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Software	Start-up	JPEC
	Black Hawk	IA	Retail	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Software	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Personal Training	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Advertising	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Human Resources	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Restaurant	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Personal Service	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Massage Therapy	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Public Relations	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Retail	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Imports	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Sales	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Technology	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Online Networking	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Non-profit	Start-up	JPEC
Cedar Falls	Black Hawk	IA	E-commerce	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Health Club	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Advertising	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Travel Agency	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Manufacturing	Start-up	JPEC
Cedar Falls	Black Hawk	IA	Bounty Hunting	Start-up	JPEC
	Black Hawk	IA	Daycare	Start-up	JPEC
Cedar Falls	Black Hawk	ΙA	Biotechnology	Start-up	JPEC
	Black Hawk	ΙA	Residential Painting	Start-up	JPEC
	Black Hawk	ΙA	Taxidermy	Start-up	JPEC
Waterloo	Black Hawk	ΙA	Exercise Science	Start-up	JPEC

### 8. Client and Project Summary

University of Northern Iowa Service to Iowa Fiscal Year 2007

<b>Community or Business</b>	County	State	Industry	Counseling Provided	Program
Waterloo	Black Hawk	IA	Retail	Start-up	JPEC
Sumner	Bremer	IA	Economic Development	Start-up	JPEC
Independence	Buchanan	IA	Software	Start-up	JPEC
Grundy Center	Grundy	IA	Farming	Start-up	JPEC
Reinbeck	Grundy	IA	Farming	Start-up	JPEC
Garner	Hancock	IA	Website Development	Start-up	JPEC
Ft. Madison	Lee	IA	E-commerce	Start-up	JPEC
Clarinda	Page	IA	Correctional Facility	Start-up	JPEC
Urbandale	Polk	IA	Information Technology	Start-up	JPEC
Corydon	Wayne	IA	Manufacturing	Start-up	JPEC
Dublin		ОН	Franchising	Start-up	JPEC
John Deere Waterloo Works	Black Hawk	IA	Foundry, Metal Casting	Technical Assistance	MCC
Roskamp	Black Hawk	IA	Foundry, Metal Casting	Consulting	MCC
Viking Pump, Inc - Cedar Falls	Black Hawk	IA	Foundry, Metal Casting	Technical Assistance	MCC
Plastic Professionals	Cass	IA	Foundry, Metal Casting	Consulting	MCC
Progress Foundry	Chickasaw	IA	Foundry, Metal Casting	Technical Assistance	MCC
Sivier Steel Casting	Scott	IA	Foundry, Metal Casting	Technical Assistance	MCC
Clow Valve	Mahaska	IA	Foundry, Metal Casting	Technical Assistance	MCC
AY McDonald	Dubuque	IA	Foundry, Metal Casting	Technical Assistance	MCC
GMT	Bremer	IA	Foundry, Metal Casting	Technical Assistance	MCC
Wellman Dynamics / Fansteel	Union	IA	Foundry, Metal Casting	Technical Assistance	MCC
Benton Castings	Benton	IA	Foundry, Metal Casting	Technical Assistance	MCC
University of Iowa	Johnson	IA	Foundry, Metal Casting	Technical Assistance	MCC
Iowa State University	Story	IA	Foundry, Metal Casting	Technical Assistance	MCC
American Colloid Co	Blackhawk	IA	Foundry, Metal Casting	Technical Assistance	MCC
Bentonite Performance Materials	Blackhawk	IA	Foundry, Metal Casting	Technical Assistance	MCC
Bender Foundry Service	Keokuk	IA	Foundry, Metal Casting	Technical Assistance	MCC
Clear Creek	Black Hawk	IA	Manufacturing	Materials Testing	MIS
Standard Golf	Black Hawk	IA	Manufacturing	Materials Testing	MIS
City Carton Recycling	Johnson	IA	Recycling Products	Materials Testing	MIS
Greystone Manufacturing	Scott	IA	Manufacturing	Materials Testing	MIS
Cedar Falls City Parks & Trails - CF	Black Hawk	IA	Manufacturing	Testing/Research	NABL
UNI Metal Casting Center - CABB	Black Hawk	IA	Manufacturing	Testing/Research	NABL
Viking Pump	Black Hawk	IA	Manufacturing	Testing/Research	NABL
Environmental Lubricants Manufacturing -					
Plainfield	Bremer	IA	Manufacturing	Testing/Research	NABL
Iowa DOT- Waverly	Bremer	IA	Public Works	Testing/Research	NABL
Waverly City Parks - Waverly	Bremer	IA	Public Works	Testing/Research	NABL
Hawkeye Tool & Die	Buchanan	IA	Metalworking	Testing/Research	NABL

<b>Community or Business</b>	County	State	Industry	Counseling Provided	Program
Iowa Northern Railroad	Butler	IA	Railroad	Testing/Research	NABL
Renewable Energy Group	Carroll	IA	Biodiesel	Testing/Research	NABL
Golden Grain Energy, LLC	Cerro Gordo	IA	Ethanol	Testing/Research	NABL
Compass Instruments	Kane	IL	Instrumentation	Testing/Research	NABL
Falex	Kane	IL	Instrumentation	Testing/Research	NABL
TIG Distributing	Marshall	IA	Packaging	Testing/Research	NABL
Milwaukee School of Engineering	Milwaukee	MI	Education	Testing/Research	NABL
Norfolk Southern Railroad	Norfolk City	VA	Railroad	Testing/Research	NABL
Barton Solvents	Polk	IA	Chemicals	Testing/Research	NABL
Shimadzu	Polk	ΙA	Instrumentation	Testing/Research	NABL
Iowa State University: Office of					
Biorenewable Programs	Story	IA	Research	Testing/Research	NABL
Celebrating Entrepreneurship	Black Hawk	IA		National Entrepreneurship Week Event	RBC/SBDC
CF City Council Working Session	Black Hawk	IA		Entreprenership Education Training	RBC/SBDC
Ebay Basics	Black Hawk	IA		Entrepreneurship Training	RBC/SBDC
FastTrac Training	Black Hawk	IA		Entrepreneurship Training	RBC/SBDC
FastTrac Training	Black Hawk	IA		Entrepreneurship Training	RBC/SBDC
FastTrac Training	Black Hawk	ΙA		Entrepreneurship Training	RBC/SBDC
FastTrac Training	Black Hawk	IA		Entrepreneurship Training	RBC/SBDC
FastTrac Training	Black Hawk	IA		Entrepreneurship Training	RBC/SBDC
FastTrac Training	Black Hawk	ΙA		Entrepreneurship Training	RBC/SBDC
FastTrac Training	Black Hawk	ΙA		Entrepreneurship Training	RBC/SBDC
Financial Basics	Black Hawk	ΙA		Entrepreneurial Educational Workshop	RBC/SBDC
Financial Basics FastTrac	Black Hawk	ΙA		Entrepreneurial Educational Training	RBC/SBDC
Financial Basics II FastTrac	Black Hawk	ΙA		Entrepreneurial Educational Training	RBC/SBDC
Growth Opportunities & Market Research					
Fast Trac	Black Hawk	IA		Entrepreneurial Educational Training	RBC/SBDC
KBBG Public Presentation	Black Hawk	ΙA	Retail/Manufacturing/Service/Tech	MyEntreNet Presentation	RBC/SBDC
KBBG Public Presentation	Black Hawk	ΙA		MyEntreNet Presentation	RBC/SBDC
KBBG Public Presentation	Black Hawk	ΙA		MyEntreNet Presentation	RBC/SBDC
KUNI Public Presentation	Black Hawk	ΙA		Introduction of the MyEntreNet Program	RBC/SBDC
Main Street Waterloo MyEntreNet					
Overview	Black Hawk	IA		Introduction of the MyEntreNet Program	RBC/SBDC
Making Strategic Marketing Decision					
FastTrac	Black Hawk	IA		Entrepreneurial Educational Training	RBC/SBDC
Micro-Enterprise	Black Hawk	IA		Entrepreneurial Educational Workshop	RBC/SBDC
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Micro-Enterprise and Fast Trac Graduation	Black Hawk	IA		Networking Event	RBC/SBDC
Mini Business Expo FastTrac Graduation	Black Hawk	IA		Entrepreneurship Training	RBC/SBDC

Community or Business	County	State	Industry	Counseling Provided	Program
MyEntreNet Kickoff	Black Hawk	ΙA		Entrepreneurship Training	RBC/SBDC
MYEntreNet Presentation at Neighborhood					
Hub Comm. Meal	Black Hawk	IA	Retail/Manufacturing/Service/Technology	Introduction of the MyEntreNet Program	RBC/SBDC
MyEntreNet Presentation to Iowa Voc			<u> </u>		
Rehab Services	Black Hawk	IA	Education	Entrepreneurship Basics	RBC/SBDC
Navigator Training	Black Hawk	IA		Navigator Training	RBC/SBDC
Opportunity Works MYE Overview	Black Hawk	IA		MyEntreNet Presentation	RBC/SBDC
Planning to Move Forward	Black Hawk	ΙA		Entrepreneurial Educational Workshop	RBC/SBDC
Presentation to NE Iowa Ind. Auto Repair -					
MYE Overview	Black Hawk	IA		MyEntreNet Presentation	RBC/SBDC
RBC Bankers Meeting	Black Hawk	ΙA		Micro-Loan Development Planning Session	RBC/SBDC
Rural Entrepreneurship Roundtable	Black Hawk	ΙA	Economic Development	Entrepreneurial Service Providers Training	RBC/SBDC
Sizing Up Your Business Cont FastTrac	Black Hawk	ΙA	_	Entrepreneurial Educational Training	RBC/SBDC
Sizing Up Your Business- FastTrac	Black Hawk	ΙA		Entrepreneurial Educational Training	RBC/SBDC
Smart Start - Waterloo MYE	Black Hawk	ΙA		Entrepreneurial Educational Workshop	RBC/SBDC
Smart Start Workshop	Black Hawk	ΙA	Retail/Manufacturing/Service/Technology	Entrepreneurial Educational Workshop	RBC/SBDC
Smart Start Workshop	Black Hawk	ΙA	-	Entrepreneurial Educational Workshop	RBC/SBDC
Smart Start Workshop	Black Hawk	ΙA		Entrepreneurial Educational Workshop	RBC/SBDC
Smart Start Workshop	Black Hawk	ΙA		Entrepreneurial Educational Workshop	RBC/SBDC
Smart Start Workshop	Black Hawk	ΙA		Entrepreneurial Educational Workshop	RBC/SBDC
Smart Start Workshop	Black Hawk	ΙA		Entrepreneurship Training	RBC/SBDC
Smart Start Workshop	Black Hawk	ΙA		Entrepreneurial Educational Workshop	RBC/SBDC
UNI Non Business Majors Entrepreneur					
Class	Black Hawk	IA		Entrepreneurship Basics	RBC/SBDC
Waterloo - Waterloo FT	Black Hawk	ΙA		SWOT Analysis and overview of Fast Trac	RBC/SBDC
Waterloo MYE Community Discussion	Black Hawk	ΙA		Facilitated discussion among services provide	RBC/SBDC
Waterloo MYE Kickoff: Expansion					
Strategies	Black Hawk	IA		Expansion Strategies	RBC/SBDC
Waterloo MYE Kickoff: Smart Start	Black Hawk	IA		Start Up Session	RBC/SBDC
Waterloo MYE: Task Force Training and					
Planning Session	Black Hawk	IA		Review of MyEntreNet Plan	RBC/SBDC
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Waterloo MyEntreNet Task Force Meeting	Black Hawk	IA		Review of MyEntreNet Plan	RBC/SBDC
Waterloo MyEntreNet Kickoff	Black Hawk	ΙA		Kickoff of Waterloo MYE	RBC/SBDC
Oelwein City Council Training	Buchanan	ΙA		Entrepreneurship Training for Oelwein City C	RBC/SBDC
Carroll County Task Force	Carroll	ΙA	Muncipality	Review of MyEntreNet Plan	RBC/SBDC
Carroll Entrepreneurship Assocation MYE			•	•	
Training	Carroll	IA		Introduction of the MyEntreNet Program	RBC/SBDC
Navigator Training	Carroll	IA		Navigator Training	RBC/SBDC

<b>Community or Business</b>	County	State	Industry	Counseling Provided	Program
A. J.D.I.D.I. J.E. A. J.	Chinhan	TA		V. Donata'	DDC/SDDC
Annual Deb Dalziel Entreprenership Awards Clayton County Networking event wheres	Cnickasaw	IA		Keynote Presentation	RBC/SBDC
	Cl. to	T A		Not a line E and and Enterprise of dEduction	DDC/CDDC
the money	Clayton	IA		Networking Event and Entrepreneurial Edcation	KBC/SBDC
Entrepreneurship Service provider review	Clayton	IA		MyEntreNet Region Service Provider Training	RBC/SBDC
Exploring Entrepreneurship	Clayton	IA		Entrepreneurial Educational Workshop	RBC/SBDC
Fast Trac Kick Off	Clayton	IA		Networking Event and Entrepreneurial Edcation	
Marketing Your Business' Image	Clayton	IA		Entrepreneurial Educational Workshop	RBC/SBDC
MYE Mixer in Elkader	Clayton	IA		Networking Event	RBC/SBDC
MYE Mixer in Guttenberg	Clayton	IA		Networking Event and Entrepreneurial Edcation	
MYE Mixer in McGregor	Clayton	IA		Networking Event	RBC/SBDC
MYE Mixer in Monona	Clayton	IA		Networking Event	RBC/SBDC
MyEntrenet Instruction and Navigation	Clayton	IA		Entrepreneurial Educational Workshop	RBC/SBDC
Smart Start Workshop	Clayton	IA		Entrepreneurial Educational Workshop	RBC/SBDC
Decatur County Business Assistance	j				
Planning	Decatur	IA		Review of MyEntreNet Plan	RBC/SBDC
Decatur County DC Board	Decatur	IA	Retail/Manufacturing/Service/Technology	Introduction of the MyEntreNet Program	RBC/SBDC
Decatur County Smart Start	Decatur	IA		Entrepreneurial Educational Workshop	RBC/SBDC
Decatur County Task Force Training	Decatur	IA		Review of MyEntreNet Plan	RBC/SBDC
Developing an online presence	Decatur	IA		Entrepreneurial Educational Workshop	RBC/SBDC
Ebay Workshop for Decatur County	Decatur	IA		Entrepreneurial Educational Workshop	RBC/SBDC
Fast Trac	Decatur	IA		Entrepreneurial Educational Training	RBC/SBDC
MyEntrenet Navigator Training	Decatur	IA		Navigator Training	RBC/SBDC
Navigator Training	Decatur	IA		Navigator Training	RBC/SBDC
Navigator Training Session	Decatur	IA		Navigator Training	RBC/SBDC
NE Iowa Developers Smart Start Training	Fayette	IA		Train the Trainer- NE Iowa Economic Develop	RBC/SBDC
Starmont High School Entrepreneurship					
Summit - Fayette Co.	Fayette	IA		Entrpreneurship Summit including tours of bu	RBC/SBDC
Grundy County Client Strategic Counseling	Grundy	IA		MyEntreNet Region Service Provider Training	RBC/SBDC
Howared County Economic Development					
Corporation Annual Dinner	Howard	IA		Keynote Presentation	RBC/SBDC
Marketing Your Business' Image	Howard	IA		Marketing image class in Clayton County as p	
Entrepreneurial Fair	Jasper	IA		Networking Event	RBC/SBDC
Entrepreneurs Panel - Newton	Jasper	IA		Newton	RBC/SBDC
FastTrac Training on MYE	Jasper	IA		Entrepreneurship Training	RBC/SBDC
FastTrac Training on MYE	Jasper	IA		Entrepreneurship Training	RBC/SBDC

<b>Community or Business</b>	County	State	Industry Counseling Provided	Program
Jasper County Kick Off	Jasper	IA	New MyEntreNet Region Kick Off	RBC/SBDC
Jasper County Listening Post	Jasper	IA	Needs Assessment	RBC/SBDC
Jasper County MyEntrenet Annoucement	Jasper	IA	Press Event	RBC/SBDC
Marshalltown Entrepreneurship Symposium	Jasper	IA	Keynote Presentation	RBC/SBDC
Marion County Business Assistance				
Planning	Marion	IA	Review of MyEntreNet Plan	RBC/SBDC
Marion County Listening Post	Marion	IA	Needs Assessment	RBC/SBDC
Marion County Listening Post	Marion	IA	Entrepreneurial Educational Workshop	RBC/SBDC
Marion County Listening Post	Marion	IA	Needs Assessment	RBC/SBDC
Marion County Smart Growth	Marion	IA	Entrepreneurial Educational Workshop	RBC/SBDC
Marion County Smart Start	Marion	IA	Entrepreneurial Educational Workshop	RBC/SBDC
Marion County Smart Start	Marion	IA	Entrepreneurial Educational Workshop	RBC/SBDC
MyEntrenet Instruction and Navigation	Marion	IA	Entrepreneurship Training	RBC/SBDC
MyEntreNet: A Four Point Approach to				
Rural Revitalization	Marion	IA	Renew Rural Iowa Entrepreneurship Seminar	RBC/SBDC
Iowa Legislature Economic Development				
Committee Meeting	Polk	IA	MyEntreNet Rural Entrepreneurship Developm	RBC/SBDC
Fast Trac	Poweshiek	IA	Entrepreneurial Educational Training	RBC/SBDC

Service	to	lowa
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Service to Iowa	0 1 0 10	0	
A 1-1-	County Specific	Statewide	Total
Adair	4	17	21
Adams	2	17	19
Allamakee	7	17	24
Appanoose	6	17	23
Audubon	2	17	19
Benton	25	17	42
Black Hawk	228	17	245
Boone	6	17	23
Bremer	55	17	72
Buchanan	26	17	43
Buena Vista	4	17	21
Butler	25	17	42
Calhoun	3	17	20
Carroll	5	17	22
Cass	2	17	19
Cedar	3	17	20
Cerro Gordo	17	17	34
Cherokee	4	17	21
Chickasaw	12	17	29
Clarke	3	17	20
Clay	6	17	23
Clayton	10	17	27
Clinton	10	17	27
Crawford	2	17	19
		17	
Dallas	13		30
Davis	4	17	21
Decatur	4	17	21
Delaware	9	17	26
Des Moines	9	17	26
Dickinson	6	17	23
Dubuque	12	17	29
Emmet	4	17	21
Fayette	28	17	45
Floyd	5	17	22
Franklin	10	17	27
Fremont	1	17	18
Greene	5	17	22
Grundy	18	17	35
Guthrie	1	17	18
Hamilton	2	17	19
Hancock	7	17	24
Hardin	12	17	29
Harrison	1	17	18
Henry	8	17	25
Howard	6	17	23
Humboldt	5	17	22
lda	4	17	21
Iowa	8	17	25
Jackson	9	17	26
Jasper	8	17	25
Jefferson	4	17	21
Johnson	13	17	30
OGIIISOII	10	17	30

Jones	11	17	28
Keokuk	8	17	25
Kossuth	9	17	26
Lee	6	17	23
Linn	35	17	52
Louisa	2	17	19
Lucas	4	17	21
Lyon	2	17	19
Madison	1	17	18
Mahaska	11	17	28
Marion	5	17	22
Marshall	8	17	25
Mills	1	17	18
Mitchell	6	17	23
Monona	1	17	18
Monroe	3	17	20
	1	17	18
Montgomery Muscatine	18	17	35
O'Brien	10	17	18
	0	17	17
Osceola			
Page	4	17	21
Palo Alto	4	17	21
Plymouth	2	17	19
Pocahontas	0	17	17
Polk	33	17	50
Pottawattamie	3	17	20
Poweshiek	12	17	29
Ringgold	1	17	18
Sac	4	17	21
Scott	19	17	36
Shelby	9	17	26
Sioux	15	17	32
Story	19	17	36
Tama	27	17	44
Taylor	2	17	19
Union	3	17	20
Van Buren	1	17	18
Wapello	5	17	22
Warren	2	17	19
Washington	6	17	23
Wayne	5	17	22
Webster	6	17	23
Winnebago	8	17	25
Winneshiek	11	17	28
Woodbury	9	17	26
Worth	5	17	22
Wright	4	17	21
	1035	1683	2718
Multi-County	4		
Statewide	17		
	1056		