

**AGENDA**  
**REGULAR MEETING OF THE**  
**UTAH STATE UNIVERSITY BOARD OF TRUSTEES**  
**Utah State University – University Inn, Alma Sonne Board Room**  
**January 6, 2017**

<b>7:15 a.m. – 9:00 a.m.</b>	Breakfast Buffet	UI room 507
<b>7:30 a.m.</b>	Audit Committee Meeting	UI room 510
<b>9:00 a.m.</b>	Regular Meeting	UI room 508
<b>9:05 a.m.</b>	Closed Session	UI room 508
<b>10:00 a.m.</b>	Regular Meeting	UI room 508
	<ul style="list-style-type: none"><li>• Introductory Items</li><li>• Chair’s Report</li><li>• President’s Reports</li><li>• Consent Agenda</li><li>• Action Agenda</li><li>• Committee Items</li><li>• Strategic Agenda – USU Emergency Management</li></ul>	
<b>12:00 p.m.</b>	Lunch	UI room 507
<b>12:45 p.m.</b>	Regional Campus System Meeting	UI room 510

## CHAIR'S REPORT

### A. Information Items

1. Construction of a Dairy Barn, a non-state funded project was approved by the Executive Committee on November 8, 2016.
2. Proposed schedule of meetings through May, 2018
3. Alumni Association Report
4. Audit Committee Report
  - a. Proposal to approve the External Audit Reports
5. USUSA Report
6. Date of the next Board of Trustees Meeting, March 3, 2017

**ITEM FOR ACTION**

**RE:** Request to Approve Construction of a Dairy Barn, a Non-state Funded Project

Details of the request to construct a Dairy Barn, a non-state funded project described below are submitted for the Utah State University Board of Trustees review and approval. The President and Vice President for Business and Finance have reviewed the request and recommend approval.

**EXECUTIVE SUMMARY**

Utah State University desires approval to construct a new dairy barn, a non-state funded project, located at the Caine Dairy in Wellsville, Utah.

The University's current dairy barn is 35 years old, near the end of its useful life, and equipped with outdated milking machines using outdated technology. Additionally, the waste is subject to rainfall and storm water adding a burden to the lagoon system since the current facility is not fully enclosed.

The proposed \$1,250,000, 25,280 square-foot fully enclosed pre-engineered steel building will house two robotic milking stations, a milk processing room, a robotic manure scraping system to reduce the burden on the lagoon system, and a robotic feed management system that can accommodate and provide space for 124 dairy cows. In addition to the dairy functions, the building will feature two offices, restrooms, and a utility room.

Investing in robotic operations, will allow students the opportunity to gain hands-on experience with the most up-to-date technology and will provide resources to the public through the University's extension role. No funds will be requested from the State for operations and maintenance. The project will be funded by Agriculture Experiment Station commodity revenues.

**RECOMMENDATION**

The President and Vice President for Business and Finance recommend that the Board of Trustees approve the request to construct a Dairy Barn, a non-state funded project.

**RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES**

WHEREAS, Utah State University desires approval to construct a new dairy barn, a non-state funded project, located at the Caine Dairy in Wellsville, Utah, and

WHEREAS, The University's current dairy barn is 35 years old, near the end of its useful life, and equipped with outdated milking machines using outdated technology, and

WHEREAS, The waste is subject to rainfall and storm water adding a burden to the lagoon system since the current facility is not fully enclosed, and

WHEREAS, The proposed \$1,250,000, 25,280 square-foot fully enclosed pre-engineered steel building will house two robotic milking stations, a milk processing room, a robotic manure scraping system to reduce the burden on the lagoon system, and a robotic feed management system that can accommodate and provide space for 124 dairy cows, and

WHEREAS, In addition to the dairy functions, the building will feature two offices, restrooms, and a utility room, and

WHEREAS, Investing in robotic operations, will allow students the opportunity to gain hands-on experience with the most up-to-date technology and will provide resources to the public through the University's extension role, and

WHEREAS, No funds will be requested from the State for operations and maintenance, and

WHEREAS, The project will be funded by Agriculture Experiment Station commodity revenues:

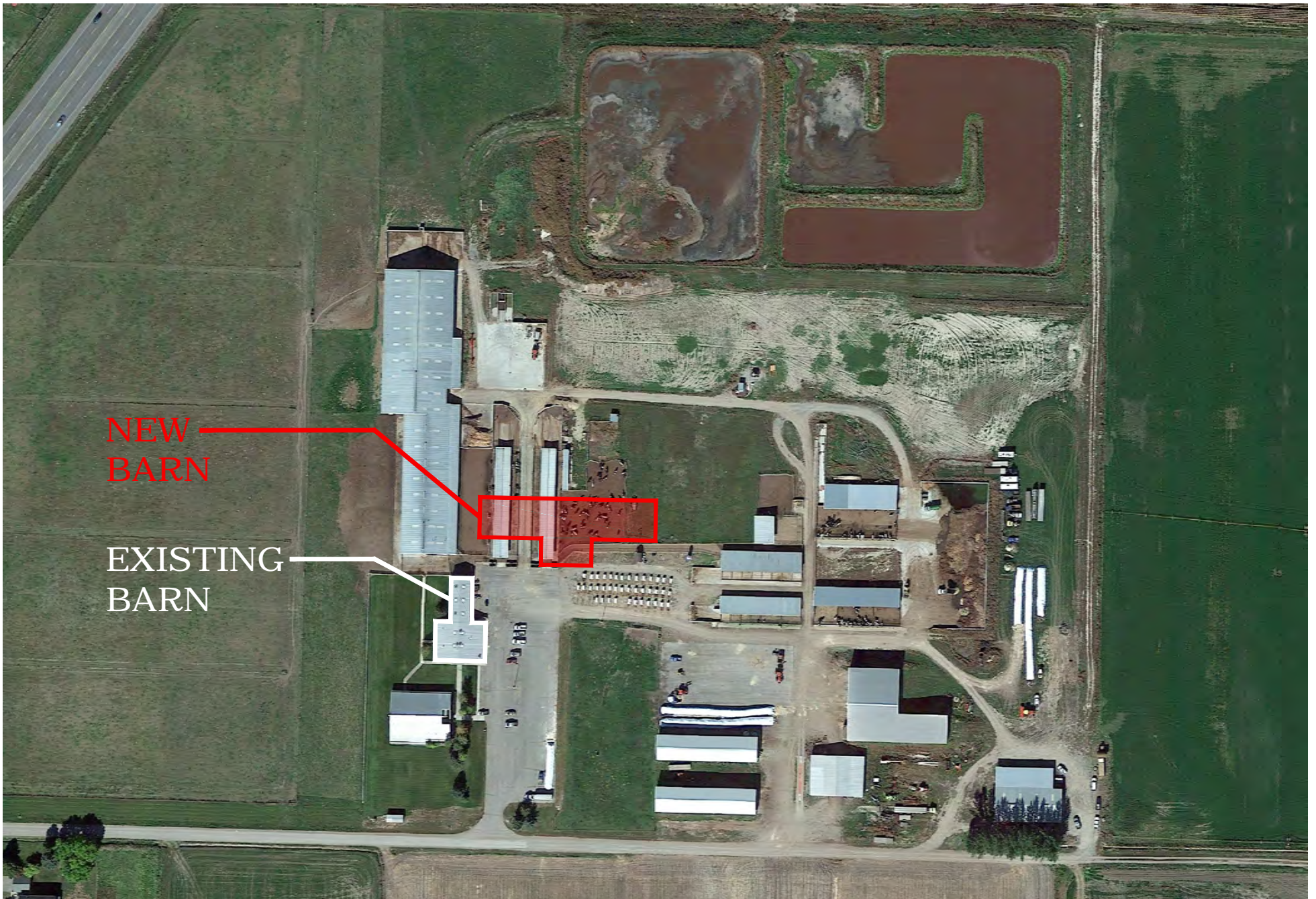
NOW, THEREFORE, BE IT RESOLVED, The President and Vice President for Business and Finance recommend that the Board of Trustees approve the request to construct a Dairy Barn, a non-state funded project.

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RESOLUTION APPROVED BY THE USU BOARD OF TRUSTEES:

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Date



NEW  
BARN

EXISTING  
BARN

# DAIRY BARN

6 January 2017

### **ITEM FOR ACTION**

RE: Review and Acceptance of the External Audit Reports

The external audit reports are submitted to the Board of Trustees for consideration. The audit reports listed below have received the appropriate administrative review.

### **EXECUTIVE SUMMARY**

Audits of University financial statements are conducted by various external agencies. The State of Utah Auditor's Office performed the comprehensive audit on the University financial statements for the year ended 30 June 2016. The State of Utah Auditor's Office also performed the required audit on the Edith Bowen Laboratory School financial statements for the year ended 30 June 2016. The firm Jones Simkins LLP performed the comprehensive audit on the Utah State University Research Foundation's financial statements for the year ended 30 June 2016. The firm Jones Simkins LLP also performed the required audit on Utah Public Radio's financial statements for the year ended 30 June 2016.

The audit reports listed below are scheduled for review by the Board of Trustees Audit Committee on January 6, 2017 prior to the Board of Trustees meeting on 6 January 2017.

1. Utah State University Financial Report, Independent State Auditor's Report on Internal Control, and Single Audit Management Letter for the Year Ended 30 June 2016
2. Utah State University Research Foundation Financial Statements and Management Letter for the Year Ended 30 June 2016
3. Utah Public Radio Financial Statements and Independent Auditor's Report on Internal Control for the Year Ended 30 June 2016
4. Edith Bowen Laboratory School Financial Statements, Independent State Auditor's Report on Internal Control, and Independent State Auditor's Report on State Compliance and Internal Control for the Year Ended 30 June 2016

### **RECOMMENDATION**

The President, Vice President for Business and Finance, and the Audit Committee recommend that the Board of Trustees accept the external audit reports.

**RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES**

WHEREAS, Audits of University financial statements are conducted by various external agencies;  
and

WHEREAS, A meeting of the Utah State University Board of Trustees Audit Committee was held  
on January 6, 2017 for the purpose of reviewing the external audit reports; and

WHEREAS, The following individuals are members of the Utah State University Board of Trustees  
Audit Committee: J. Scott Nixon, Chairman; Ronald W. Jibson; Mark K. Holland; and Jody K.  
Burnett; and

WHEREAS, The following audit reports were reviewed:

1. Utah State University Financial Report, Independent State Auditor's Report on Internal  
Control, and Single Audit Management Letter for the Year Ended 30 June 2016
2. Utah State University Research Foundation Financial Statements and Management Letter for  
the Year Ended 30 June 2016
3. Utah Public Radio Financial Statements and Independent Auditor's Report on Internal  
Control for the Year Ended 30 June 2016
4. Edith Bowen Laboratory School Financial Statements, Independent State Auditor's Report  
on Internal Control, and Independent State Auditor's Report on State Compliance and  
Internal Control for the Year Ended 30 June 2016; and

WHEREAS, The President, Vice President for Business and Finance, and the Audit Committee  
recommend the Board of Trustees accept the external audit reports:

NOW, THEREFORE, BE IT RESOLVED, That the Utah State University Board of Trustees hereby  
accepts the above listed audit reports.

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RESOLUTION APPROVED BY THE USU BOARD OF TRUSTEES

\_\_\_\_\_  
Date

Members of the Audit Committee:

J. Scott Nixon, Chairman

Ronald W. Jibson

Mark K. Holland

Jody K. Burnett

## Board of Trustees Meeting Schedule for 2017-2018

### PROPOSED SCHEDULE

Date of Trustees Meeting	Meeting Type	Date of Regents Meeting
January 6, 2017	Regular Meeting	January 20, 2017 University of Utah
March 3, 2017 <sup>1</sup>	Regular Meeting	March 31, 2017 Dixie State University
April 7, 2017 <sup>2</sup>	Telephone Conference Meeting (30 minutes)	
May 5, 2017 <sup>3</sup>	Regular Meeting	May 19, 2017 Salt Lake Community College
June 23, 2017	Telephone Conference Meeting	July 20-21, 2017 Southern Utah University
August 18, 2017	Workshop	September 14-15, 2017 Weber State University
October 13, 2017	Regular Meeting	November 17, 2017 Utah State University
January 12, 2018	Regular Meeting	January 19, 2018 Utah Valley University
March 2, 2018 <sup>4</sup>	Regular Meeting	March 30, 2018 Dixie State University
May 4, 2018 <sup>5</sup>	Regular Meeting	May 18, 2018 Salt Lake Community College

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<sup>1</sup> Founders Day event that evening

<sup>2</sup> Brief Telephone Conference to approve Promotion and Tenure decisions only

<sup>3</sup> Commencement, May 5-6, 2017

<sup>4</sup> Founders Day event that evening

<sup>5</sup> Commencement, May 4-5, 2018



## **PRESIDENT'S REPORT – STAN L. ALBRECHT**

### **I. PRESIDENT'S REPORT**

#### **A. Recent Events**

1. Football – Fresno at USU – October 22, 2016
2. Inaugural Professor Lecture, Nancy Hills, President's Home – October 25, 2016
3. SDL Bennett Building Naming and Luncheon – October 27, 2016
4. TEDxUSU Reception – October 27, 2016
5. Football – San Diego State at USU – October 28, 2016
6. Council of Presidents – Salt Lake City, November 1, 2016
7. Inaugural Professor Lecture, Jamison Fargo, President's Home – November 1, 2016
8. Sunrise Session – Salt Lake City, November 4, 2016
9. Basketball – Southern Virginia at USU – November 4, 2016
10. Football – USU at Wyoming – November 5, 2016
11. Salt Lake Chamber Board of Governors – Salt Lake City, November 8, 2016
12. Inaugural Professor Lecture, Silvana Martini, President's Home – November 8, 2016
13. Basketball – USU at UC Irvine – November 11, 2016
14. Football – New Mexico at USU – November 12, 2016
15. Basketball – New Jersey Institute of Technology at USU – November 14, 2016
16. Northwest Commission on Colleges and Universities (NWCCU) Ad Hoc Evaluation – Seattle, Washington, November 15, 2016
17. Basketball – Bristol at USU – November 16, 2016
18. Board of Regents at Utah Valley University – Provo, November 18, 2016
19. Football – USU at Nevada – November 19, 2016
20. Basketball – Idaho State at USU – November 19, 2016
21. Utah Campus Compact Fall Board Meeting – November 21, 2016
22. Basketball – USU at Cancun, Mexico Tournament – November 22-23, 2016
23. Football – USU at Brigham Young University – November 26, 2016
24. Basketball – USU vs. Brigham Young University – Salt Lake City, November 30, 2016
25. Football – Mountain West Championship Game – December 3, 2016
26. Basketball – Indiana State at USU – December 3, 2016
27. Aggie Passport Reception, TSC Skyroom – December 6, 2016
28. Basketball – Great Falls at USU – December 6, 2016
29. Basketball – USU at Utah Valley University – December 10, 2016
30. Mountain West Board of Directors – Phoenix, Arizona, December 11-12, 2016
31. Salt Lake Chamber Board of Governors – Salt Lake City, December 13, 2016
32. Inaugural Professor Lecture, Christopher Monz, President's Home – December 15, 2016
33. Basketball – New Orleans at USU – December 19, 2016
34. Basketball – Weber State at USU – December 21, 2016
35. Basketball – Boise State at USU – December 28, 2016
36. Basketball – USU at Air Force – December 31, 2016

## **PRESIDENT'S REPORT – NOELLE E. COCKETT**

### **I. PRESIDENT'S REPORT**

#### **A. Information Items**

1. Student Resolution of Commendation to Spencer Perry

#### **B. Recent Events**

1. Council of Presidents – Salt Lake City, January 3, 2017
2. Basketball – New Mexico at USU – January 4, 2017
3. Speaker at Rotary Club Luncheon – January 5, 2017
4. USTAR Governing Authority Board – Salt Lake City, January 5, 2017
5. USU Board of Trustees – January 6, 2017

#### **C. Upcoming Events**

1. Pre-game Reception with Board of Trustees and USU Foundation Members – January 7, 2017
2. Basketball – UNLV at USU – January 7, 2017
3. K-16 Alliance – January 9, 2017
4. Utah System of Higher Education Legislative Preview Luncheon – January 9, 2017
5. Keynote Speaker at Cache Chamber of Commerce Annual Awards Dinner – January 10, 2017
6. Inaugural Professor Lecture, Cathy Bullock, President's Home – January 11, 2017
7. Legislative Preview Dinner with Legislators – Utah Botanical Center, Layton, Utah, January 11, 2017
8. Basketball – USU at Wyoming – January 11, 2017
9. Basketball – USU at San Diego State – January 14, 2017
10. Inaugural Professor Lecture, Anhong Zhou, President's Home – January 18, 2017
11. Board of Regents – University of Utah, January 20, 2017
12. Pre-game Reception with Legislators and Local Government Officials – January 21, 2017
13. Basketball – Colorado State at USU – January 21, 2017
14. Research/Posters on the Hill – Salt Lake City, January 24 2017
15. Basketball – USU at New Mexico – January 24, 2017
16. Inaugural Professor Lecture, Catalin Buhusi, President's Home – January 25, 2017
17. Kick-off Speaker at Focus Friday (HSB Leadership Forum – January 7, 2017
18. Basketball – Fresno at USU – January 28, 2017
19. Inaugural Professor Lecture, Ravi Gupta, President's Home – January 31, 2017

20. Special Council of Presidents-2017 Legislative Session – Salt Lake City, February 1, 2017
21. Basketball – Nevada at USU – February 1, 2017
22. USTAR Governing Authority Board Meeting – Salt Lake City, February 2, 2017
23. Governor’s Rural Partnership Board Legislative Dinner – Salt Lake City, February 2, 2017
24. Legislative Spouses Lunches – Salt Lake City, February 3, 2017
25. Basketball – USU at Boise State – February 4, 2017
26. Basketball – USU at Colorado State – February 7, 2017
27. Inaugural Professor Lecture, Jennifer MacAdam, President’s Home – February 9, 2017
28. President’s Pre-game Reception – February 11, 2017
29. Basketball – Wyoming at USU – February 11, 2017
30. Inaugural Professor Lecture, Jon Gudmundson, President’s Home – February 13, 2017
31. Basketball – San Diego State at USU – February 15, 2017
32. Inaugural Professor Lecture, Brian Warnick, President’s Home – February 16, 2017
33. Higher Ed Day Luncheon – Salt Lake City, February 17, 2017
34. Special Council of Presidents-2017 Legislative Session – Salt Lake City, February 17 2017
35. Jordanian Ambassador Dinner, President’s Home – February 17, 2017
36. Basketball – USU at Nevada – February 18, 2017
37. Inaugural Professor Lecture, Brian Nummer, President’s Home – February 22, 2017
38. Basketball – USU at San Jose State – February 22, 2017
39. Basketball – Air Force at USU – February 25, 2017
40. Special Council of Presidents-2017 Legislative Session – Salt Lake City, March 1, 2017
41. Inaugural Professor Lecture, Sergio Bernal, President’s Home – March 1, 2017
42. Extension Annual Conference – March 1-2, 2017
43. Basketball – USU at UNLV – March 1, 2017
44. USTAR Governing Authority Board Meeting – Salt Lake City, March 2, 2017
45. USU Board of Trustees – March 3, 2017
46. Founders Day – March 3, 2017



## RESOLUTION OF COMMENDATION

To

### Spencer Perry

**Spencer Perry** is an incredible example and friend to all that know him. This year, Spencer has been actively involved in Utah State University's Student Association (USUSA) as a President's Cabinet Director and as a Director for USUSA PR & Marketing. Although these positions, combined with Spencer's goals as a pre-health student, keep him busy, Spencer is always caring of others and willing to put in the difficult and even tedious, behind-the-scenes work to benefit students.

Specifically, Spencer has worked extensively to revamp the current USU app. Spencer had to learn new programs, create code, collaborate with graphic designers, and do many other things in order to push this forward. The difficult and complex nature of this work added many hours of responsibility to Spencer's load, but he never complained or shirked a responsibility he was given. As a newly appointed Digital Assistant to the Director, Spencer has navigated the fast-paced nature of his job as he updated the USUSA website, worked with graphic designers, and helped with other tasks to keep the office running smoothly.

Spencer did extensive outreach efforts that helped further USUSA initiatives including hosting and planning "Parfaits with the President" (a breakfast event that brings students together to meet with the student body president to discuss their experiences and concerns). He also helped draft a formal letter to regional campuses to help raise awareness for mental health concerns in higher education.

Spencer has given his all to serving others. He has an innate concern for others and the compassion and support he shows to those he leads and works with in his many roles in student involvement is nothing short of extraordinary. Because of these qualities, Spencer leads in a way that encourages and empowers others—even if that means not getting the recognition or credit he deserves.

For these many reasons, it is an honor to recognize Spencer Perry. Without a doubt, his influence makes all who know him more grateful to be an Aggie.

A handwritten signature in blue ink that reads "Noelle E. Cockett". The signature is written in a cursive style and is positioned above a horizontal line.

Noelle E. Cockett

President

January 6, 2017

## CONSENT AGENDA

1. Minutes from the Closed Session held on October 21, 2016
2. Minutes from the Regular Meeting held on October 21, 2016
3. Certificate of Treasurer – 2016-07 – July
4. Certificate of Treasurer – 2016-08 – August
5. Certificate of Treasurer – 2016-09 – September
6. Contract/Grant Proposals and Awards – 2016-09 September
7. Contract/Grant Proposals and Awards – 2016-10 October
8. Contract/Grant Proposals and Awards – 2016-11 November
9. Delegation Administrative Report – 08.26.16 to 10.21.16
10. Delegation Administrative Report -- 10.21.16 to 11.25.16
11. Faculty and Staff Adjustments
12. Honorary Degrees for 2017
13. Report of Investments – 2016-07 July
14. Report of Investments – 2016-08 August
15. Report of Investments – 2016-09 September
16. Utah State University Research Foundation – re-appointment to the Board – Mr. Lynn W. Heninger
17. Acceptance of Written Reports
  - Advancement/Alumni Relations
  - Athletics
  - Business and Finance
  - Executive Vice President and Provost
  - Extension and College of Agriculture
  - Faculty Senate
  - Public Relations and Marketing
  - Research and Graduate Studies
  - Staff Employee Association
  - Student Services
  - USU Eastern
  - USUSA

CLOSED SESSION  
UTAH STATE UNIVERSITY BOARD OF TRUSTEES  
October 21, 2016

Minutes of the Closed Session of the Utah State University Board of Trustees held at Utah State University, University Inn, Alma Sonne Board Room, commencing at 9:07 a.m.

MEMBERS PRESENT

Ronald W. Jibson           Chair  
Scott R. Watterson       Vice Chair  
Jody K. Burnett  
Linda Clark Gillmor  
Karen H. Huntsman  
Susan D. Johnson  
J. Scott Nixon  
Frank Peczuh  
Lane L. Thomas  
Ashley Waddoups

MEMBERS EXCUSED

Mark K. Holland

UNIVERSITY REPRESENTATIVES PRESENT

Stan L. Albrecht           President  
Mica McKinney           University Counsel  
Mark McLellan           Vice President, Research and Dean of Graduate Studies  
Sydney M. Peterson       Chief of Staff and Secretary to the Board of Trustees

Chair Jibson conducted the meeting. Personnel and legal issues were discussed.

The Executive Session adjourned 9:48 a.m.

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Ronald W. Jibson, Chair

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Sydney M. Peterson, Secretary

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Date Approved

UTAH STATE UNIVERSITY BOARD OF TRUSTEES  
Utah State University, University Inn, Alma Sonne Board Room, Logan, Utah  
October 21, 2016

Minutes of the Regular Meeting of the Utah State University Board of Trustees held in the University Inn, Alma Sonne Board Room, commencing at 9:06 a.m.

MEMBERS PRESENT

Ronald W. Jibson           Chair  
Scott R. Watterson       Vice Chair  
Jody K. Burnett  
Linda Clark Gillmor  
Karen H. Huntsman  
Susan D. Johnson  
J. Scott Nixon  
Frank Peczuh, Jr.  
Lane L. Thomas  
Ashley Waddoups

MEMBERS EXCUSED

Mark K. Holland

UNIVERSITY REPRESENTATIVES PRESENT

Stan L. Albrecht           President  
Neil Abercrombie         Director, Government Relations  
Jodi Bailey                Chief Audit Executive  
Carolyn Brittain         Staff Assistant  
Noelle E. Cockett        Executive Vice President and Provost  
David T. Cowley         Vice President for Business and Finance  
Amanda DeRito          Social Media and Marketing Coordinator  
John Hartwell            Vice President and Director, Athletics  
Trisha Hunsaker         President Elect, Staff Employee Association  
Mica McKinney           University Counsel  
Mark McLellan          Vice President, Research and Dean of Graduate Studies  
Sydney M. Peterson      Chief of Staff and Board of Trustees Secretary  
Tim Vitale                Director, Public Relations and Marketing  
David R. Woolstenhulme   Executive Vice Provost

OTHERS PRESENT

Kevin Opsahl             *The Herald Journal*  
Alex Stuckey             *The Salt Lake Tribune*

Chair Jibson called the meeting to order expressing his appreciation to all for their attendance on this beautiful morning in Logan.

Trustee Burnett recommended that in accordance with 52-4-205 of the Utah Code, the Trustees go into a Closed Meeting for the sole purpose of discussing the character, professional competence, or physical or mental health of an individual, pending or reasonably imminent litigation. Trustee Gillmor seconded the motion. The voting was unanimous in the affirmative.

The Regular Meeting was opened again at 10:05 a.m. by Chair Jibson. He expressed appreciation for all who helped put this meeting together. He welcomed the administration and the media representatives.

## I. CHAIR'S REPORT

### A. Alumni Association Report

Trustee Thomas reported that the USU Credit Union University Welcome Center is now open. The building houses a branch of the USU Credit Union, the University Advancement office, and the Alumni Relations office. University tours now originate there. He also reported on the recent Homecoming activities. Homecoming honorees were President and First Lady Stan and Joyce Albrecht as Grand Marshals, Lt. General James C. King as Alumnus of the Year, and Justin and Jocelyn Hamilton as Young Alumni of the Year. Trustee Thomas also mentioned that Utah artist, Eric Dowdle, has created a puzzle of campus which will be available for purchase.

### B. Audit Committee Report

Trustee Nixon reported in the Audit Committee meeting held earlier in the day. Reports issued by the Chief Audit Executive's office were reviewed. He noted that the external audit is almost complete. Appreciation was expressed for the work being done by the Audit and Business and Finance departments. The office of the Vice President for Research and Graduate Studies is also doing a great job with risk assessment.

### C. USUSA Report – Ashley Waddoups

Trustee Waddoups highlighted a few successful recent events including: Week of Welcome, College of Agriculture and Applied Sciences Week and Jon M. Huntsman School of Business Week, Aggie Blue Leadership, and Day on the Quad. She spoke proudly of USU's efforts to win the state cup for voter registration which USU won last year and is competing for again this year. As part of the Sexual Assault Initiative USUSA partnered with Athletics and the President's office to bring speaker and activist Elaine Pasqua to USU. Pasqua spoke about consent and healthy dating. Upcoming events include an annual dodgeball tournament and a mental "de-stress" fest where students can learn about resources available to them.

### D. Resolution of Appreciation and Commendation to President Stan L. and Joyce V. Albrecht

Chair Jibson welcomed First Lady Joyce Albrecht to the meeting. The Trustees stood and



read portions of the resolution of appreciation and commendation (Appendix A). The President and First Lady were recognized for their tremendous accomplishments and contributions during their tenure at USU.

E. Date of the Next Meeting

The next meeting will be held on January 6, 2017, on the Logan campus.

Chair Jibson expressed the Board's appreciation to Sydney Peterson for her work as Secretary to the Board. President Albrecht added his accolades to Peterson for her great competency in the different capacities she has held throughout his time at USU.

II. PRESIDENT'S REPORT

A. Information Items

President Albrecht commented on the record number of Old Main members being inducted and/or moving up in their levels of giving at the Old Main Society celebration.

1. Trustee Waddoups shared Carly Thornhill's Resolution of Commendation (Appendix B). Highlights included Carly's accomplishments and leadership skills.
2. USU's FY2016 record year of research funding

President Albrecht expressed thanks to Vice President McLellan and his colleagues. Vice President McLellan referred to the Research and Graduate Studies Annual Report to the Faculty Senate for fiscal year 2016. The annual report is part of their commitment to shared governance. The report includes the Research and Graduate Studies strategic plan. Research funding has been record breaking for a third year in a row, with a research expenditure rate of \$175 million per year. This translates into a half million a day expenditure of just research dollars. McLellan indicated that funding from federal agencies is not growing but that USU is learning how to be more competitive.

Research and Graduate Studies Annual Report to the Faculty Senate for FY 2016  
<http://rgs.usu.edu/wp-content/uploads/2016/09/Faculty-Senate-Report-2016.pdf>

B. Recent Events

1. Council of Presidents – Salt Lake City, June 28, 2016
2. Dominican Republic Student Reception and Awarding of Honorary Degree to Minister Melo – Dominican Republic, July 27-29, 2016
3. NCAA Board of Governors and Board of Directors Meetings – Indianapolis, Indiana, August 3-4, 2016
4. Remarks at Department Heads Retreat – August 15, 2016

5. Remarks at Welcome Center Ribbon Cutting Ceremony – August 16, 2016
6. New Faculty Reception, President’s Home – August 16, 2016
7. Regional Campus and USU Eastern Faculty Dinner, President’s Home – August 17, 2016
8. Council of Presidents – Salt Lake City, August 18, 2016
9. USU Board of Trustees Workshop – Clearfield, August 19, 2016
10. USU Connections Literature Convocation, Luminary Walk and Remarks at Program on Quad – August 26, 2016
11. Athletic Director’s Dinner, President’s Home – August 27, 2016
12. Remarks at Athletics Full Staff Meeting – August 30, 2016
13. Council of Presidents – Salt Lake City, August 30, 2016
14. Remarks at Maverik Stadium Luncheon – September 1, 2016??
15. Inaugural Professor Lecture, Reza Oladi, President’s Home – September 8, 2016
16. Football – Weber State at USU – September 1, 2016
17. Football – USU at University of Southern California – September 10, 2016
18. Regence BlueCross BlueShield Western Conference, Portland, Oregon, – September 11-13, 2016
19. Board of Regents at Utah State University – September 15-16, 2016
20. Football – USU at Arkansas State – September 16, 2016
21. Senator Harry Reid Reception – Washington, DC, September 21, 2016
22. Remarks at Don B. and Joyce C. Olsen Classroom Building Naming – September 23, 2016
23. Homecoming Honoree Dinner, Alumni House – September 23, 2016
24. Homecoming Events – September 24, 2016
25. Remarks at Ag Day BBQ – September 24, 2016
26. Football – Air Force at USU – September 24, 2016
27. Remarks at Arrington Chair Event – Salt Lake City, September 27, 2016
28. Honors Last Lecture, Cathy Bullock – September 28, 2016
29. Inaugural Professor Lecture, Diane Calloway-Graham, President’s Home – September 28, 2106
30. K-16 Alliance – September 29, 2016
31. Huntsman Cancer Foundation Gala – Salt Lake City, September 29, 2016
32. Football – USU at Boise State – October 2, 2016
33. Presidential Doctoral Research Fellows Fall Social, President’s Home – October 5, 2016
34. Football – USU at Colorado State University – October 8, 2016
35. LDS Stake Presidents Luncheon, President’s Home – October 13, 2016
36. Inaugural Professor Lecture, Britt Fagerheim, President’s Home – October 18, 2016
37. USU Board of Trustees Regular Meeting – October 21, 2016
38. Ag Building Luncheon and Naming – October 21, 2016
39. USU Foundation Meetings – October 21-22, 2016
40. Old Main Society Induction and Dinner – October 21, 2016

### C. Upcoming Events

1. Football – Fresno at USU – October 22, 2016
2. Salt Lake Chamber Board of Governors – Salt Lake City, October 25, 2016
3. Inaugural Professor Lecture, Nancy Hills, President’s Home – October 25, 2016
4. NCAA Board of Governors – Indianapolis, Indiana, October 26-27, 2016
5. SDL Bennett Building Naming and Luncheon – October 27, 2016
6. Football – San Diego State at USU – October 28, 2016
7. Council of Presidents – Salt Lake City, November 1, 2016
8. Inaugural Professor Lecture, Jamison Fargo, President’s Home – November 1, 2016
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16. Basketball – New Jersey Institute of Technology at USU – November 14, 2016
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18. Board of Regents at Utah Valley University – Provo, November 18, 2016
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21. Utah Campus Compact Fall Board Meeting – November 21, 2016
22. Basketball – USU at Cancun, Mexico Tournament – November 22-23, 2016
23. Football – USU at Brigham Young University – November 26, 2016
24. Basketball – USU vs. Brigham Young University, Salt Lake City, November 30, 2016
25. Football – Mountain West Championship Game – December 3, 2016
26. Basketball – Indiana State at USU – December 3, 2016
27. Aggie Passport Reception, President’s Home – December 6, 2016
28. Basketball – Great Falls at USU – December 6, 2016
29. Basketball – USU at Utah Valley University – December 10, 2016
30. Mountain West Board of Directors – Phoenix, Arizona, December 11-12, 2016
31. Salt Lake Chamber Board of Governors – Salt Lake City, December 13, 2016
32. Inaugural Professor Lecture, Christopher Monz, President’s Home – December 15, 2016
33. Basketball – New Orleans at USU – December 19, 2016
34. Basketball – Weber State at USU – December 21, 2016
35. Basketball – Boise State at USU – December 28, 2016
36. Basketball – USU at Air Force – December 31, 2016
37. Council of Presidents – Salt Lake City, January 3, 2017
38. Basketball – New Mexico at USU – January 4, 2017
39. Board of Trustees – January 6, 2017

### III. CONSENT AGENDA

Trustees were given the following consent agenda material for their consideration:

1. Minutes from the Executive Session held on June 24, 2016
2. Minutes from the Regular Meeting held on June 24, 2016
3. Minutes from the Regular Meeting held on September 15, 2016
4. Bad Debt Write-Off Recommendation for Fiscal Year Ending 2016-06-30 – Resolution 2016-10-01 Appendix C
5. Certificate of Treasurer – 2016-04 April – Resolution 2016-10-02 Appendix D
6. Certificate of Treasurer – 2016-05 May – Resolution 2016-10-03 Appendix E
7. Certificate of Treasurer – 2016-06 June – Resolution 2016-10-04 Appendix F
8. Contract/Grand Proposals and Awards – 2016-06 June – Resolution 2016-10-05 Appendix G
9. Contract/Grant Proposals and Awards – 2016-07 July – Resolution 2016-10-06 Appendix H
10. Contract/Grant Proposals and Awards – 2016-08 August – Resolution 2016-10-07 Appendix I
11. Delegation / Administrative Reports – 05/20/16 to 06/24/16 – Resolution 2016-10-08 Appendix J
12. Delegation / Administrative Reports – 06/24/16 to 08/26/16 – Resolution 2016-10-09 Appendix K
13. Naming of the New Center for Clinical Excellence Building – Resolution 2016-10-10 Appendix L
14. Naming of the Classroom Building at the Sam Skaggs Family Equine Education Center – Resolution 2016-10-11 Appendix M
15. Naming of the Agricultural Sciences Building – Resolution 2016-10-12 Appendix N
16. Naming of the Calibration & Optical Research Laboratory at the Space Dynamics Laboratory on the Innovation Campus – Resolution 2016-10-13 Appendix O
17. Naming of the future building for the College of Humanities and Social Sciences – Resolution 2016-10-14 Appendix P
18. Report of Institutional Discretionary Funds – Resolution 2016-10-15 Appendix Q
19. Report of Investments – 2016-04 April – Resolution 2016-10-16 Appendix R
20. Report of Investments – 2016-05 May – Resolution 2016-10-17 Appendix S
21. Report of Investments – 2016-06 June – Resolution 2016-10-18 Appendix T
22. Revise and Restate the Declaration of Covenants, Conditions and Restrictions of the Utah State University Research and Technology Park now known as Innovation Campus – Resolution 2016-10-19 Appendix U
23. USU Policy 369 – Other Leave – Resolution 2016-10-20 Appendix V
24. USU and USU Eastern Auxiliary and Service Enterprises Annual Reports FY 2015-2016 – Resolution 2016-10-21 Appendix W
25. Utah State University Student Code amendments/additions – Resolution 2016-10-22 Appendix X

26. Utah State University Research Foundation (USURF) – appointment to the Board  
*Major General (Ret.) Susan K. Mashiko* – Resolution 2016-10-23 Appendix Y

27. Acceptance of Written Reports

- Athletics
- Advancement/Alumni
- Business and Finance
- Executive Vice President and Provost
- Extension and College of Agriculture
- Faculty Senate
- Public Relations and Marketing
- Research and Graduate Studies
- Student Affairs
- USU Eastern
- USUSA

Chair Jibson asked if any items on the Consent Agenda needed to be moved to the Action Agenda for discussion. No requests were made.

Action: Trustee Thomas moved to approve the Consent Agenda. Trustee Huntsman seconded the motion. The voting was unanimous in the affirmative.

#### IV. ACTION AGENDA

1. Proposal to Revise Investment Policy 517 and Investment Guidelines  
Resolution 16-10-24 (Appendix Z)

Vice President David Cowley explained that the current investment policies and guidelines were last re-written and approved by the Board of Trustees and the Board of Regents in 2006. The revisions made to the Investment Policy and Investment Guidelines comply with the Utah State Board of Regents Policy R-541 Management and Reporting of Institutional Investments; State Money Management Act, Title 51, Chapter 7; Rules of State Money Management Council; Uniform Prudent Management of Institutional Funds Act (UPMIFA), Title 51, Chapter 8; and Utah State University Policy 307 Conflicts of Interest. Cowley explained the changes and why they were made and answered questions from the Trustees. Cowley explained how Business and Finance tracks funds and the checks and balances in place. He praised USU's investment advisor, Maketa Investment Group, for their high level of service. USU has been with Maketa for three years.

Action: Trustee Nixon moved the approval of Resolution 16-10-24 the proposal to revise Investment Policy 517 and Investment Guidelines. Trustee Johnson seconded the motion. The voting was unanimous in the affirmative.

V. STRATEGIC AGENDA

*Update on Recommendations to Improve Sexual Violence Prevention Efforts*

Chair Jibson thanked the administration for their work regarding sexual violence prevention. President Albrecht thanked the Board for being a quality team with which to work. He then provided an update on the recommendations to improve sexual violence prevention efforts (Appendix AA).

Mica McKinney, University Counsel, made a more detailed presentation and answered questions on the same topic (Appendix BB) (Appendix CC).

Chair Jibson expressed his pride at being an Aggie on such a great day for the University.

Action: Trustee Watterson made a motion to adjourn the meeting. Trustee Nixon seconded the motion; the voting was unanimous in the affirmative.

The meeting adjourned at 11:26 a.m.

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Ronald W. Jibson, Chair

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Sydney M. Peterson, Secretary  
(Minutes taken by Carolyn Brittain)

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Date Approved

6 January 2017

**ITEM FOR ACTION**

**RE:** Certificate of Treasurer for July 2016

The Certificate of Treasurer for July 2016 is submitted to the Board of Trustees for consideration. It has received the appropriate administrative review and approval.

**EXECUTIVE SUMMARY**

The State Appropriated Funds budget at 31 July 2016 totaled \$ 374,648,241 up \$ 18,006,367 (5.05%) over the same 2015-2016 period. The year-to-date state appropriated funds expenditures totaled \$ 28,899,346, up \$4,214,505 (17.07%) over the same 2015-2016 period and represented 8% of the total budget. The percent of budget expended, 8%, was 0% less than would be expected to be spent on a strict time of budget year expired basis.

Total expenditures for all funds totaled \$55,622,063, up \$1,151,599 (2.11%) over the same 2015-2016 period.

**RECOMMENDATION**

The President and Vice President for Business and Finance recommend that the Board of Trustees approve the Certificate of Treasurer for July 2016.

**RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES**

WHEREAS, Authorized invoices and supporting papers have been filed pertaining to those expenditures listed on the attached Certificate of Treasurer; and

WHEREAS, Expenditures listed on the attached Certificate of Treasurer have been reviewed and approved for payment by the USU Controller's Office, Purchasing Department, and other departments; and

WHEREAS, The expenditures listed on the attached Certificate of Treasurer are in accordance with the laws and rules of Utah State University and the State of Utah; and

WHEREAS, The Chief Financial Officer for Utah State University, David T. Cowley, Vice President for Business and Finance, has certified to the best of his knowledge and belief that all expenditures listed on the attached Certificate of Treasurer were legitimate claims against Utah State University and funds were available for payment of said claims; and

WHEREAS, Vice President Cowley requests approval of the listed expenditures by fund for the period 1 July 2016 to 31 July 2016 on the attached Certificate of Treasurer; and

WHEREAS, The President of Utah State University has reviewed the attached Certificate of Treasurer and recommends its approval of those expenditures listed thereon by the Utah State University Board of Trustees; and

WHEREAS, The USU Board of Trustees has reviewed and given due consideration, review, and authorization of the expenditures listed on the attached Certificate of Treasurer;

NOW, THEREFORE, BE IT RESOLVED, That the USU Board of Trustees hereby approves the attached Certificate of Treasurer as presented and ratifies the expenditures listed on said Certificate of Treasurer for July 2016.

=====  
RESOLUTION APPROVED BY THE USU BOARD OF TRUSTEES:

\_\_\_\_\_  
Date



## CERTIFICATE OF TREASURER

I, David T. Cowley, Vice President for Business and Finance, of Utah State University, do hereby certify as follows and request approval of the listed expenditures by fund for the period 1 July 2016 to 31 July 2016.

Authorization, invoices, and supporting papers have been filed pertaining to the following enumerated expenditures, which have been reviewed and processed for payment by the Controller's Office, Purchasing Department, and other departments; according to the laws, rules, and regulations of Utah State University and the State of Utah. To the best of my knowledge and belief, all are legitimate claims against Utah State University and funds were available for payment of said claims.

State Appropriated Funds	Budget	Percent of Budget Expended (8% Fiscal Year Expired)	1-Jul-16 31-Jul-16	Year to Date	Prior Year to Date	Increase (Decrease) from Prior Year	Percent Increase (Decrease) from Prior Year
Education and General (Except Athletics)	\$246,508,203	7%	\$16,482,222	\$16,482,222	\$15,738,389	\$743,833	4.73 %
Athletics	6,583,102	6%	401,940	401,940	409,887	(7,947)	(1.94) %
E&G - O&M	2,845,536	3%	86,225	86,225	-	86,225	- %
Agricultural Experiment Station	17,203,998	6%	959,760	959,760	947,753	12,007	1.27 %
UWRL Appropriation	3,919,450	5%	182,112	182,112	169,186	12,926	7.64 %
UWRL Apportionment	3,264,314	7%	224,778	224,778	314,776	(89,998)	(28.59) %
Tooele - Cont. Ed. Center	12,958,600	30%	3,929,003	3,929,003	1,278,934	2,650,069	207.21 %
Educationally Disadvantaged	100,000	29%	28,796	28,796	16,164	12,632	78.15 %
Southeastern Utah - Cont. Ed. Center	2,498,168	32%	792,582	792,582	127,643	664,939	520.94 %
Uintah Basin - Cont. Ed. Center	6,785,608	15%	1,001,685	1,001,685	471,879	529,806	112.28 %
Cooperative Extension	19,423,155	6%	1,132,100	1,132,100	1,124,438	7,662	0.68 %
Brigham City - Cont. Ed. Center	18,619,221	11%	2,050,826	2,050,826	2,526,966	(476,140)	(18.84) %
USTAR	603,524	0%	445	445	64,760	(64,315)	(99.31) %
AWSF - USTAR Funding	-	-	-	-	5	(5)	(100.00) %
E&G - Vet Med	10,589,252	3%	345,036	345,036	168,806	176,230	104.40 %
Price (USU Eastern)	15,999,150	5%	858,314	858,314	917,678	(59,364)	(6.47) %
Blanding Campus (USU Eastern)	4,316,999	7%	294,368	294,368	278,220	16,148	5.80 %
Educationally Disadvantaged (USU Eastern)	171,059	0%	-	-	-	-	- %
Prehistoric Museum (USU Eastern)	595,407	5%	32,308	32,308	35,359	(3,051)	(8.63) %
Workforce Education (USU Eastern)	1,663,495	6%	96,846	96,846	93,998	2,848	3.03 %
Total State Appropriated Funds	<u>\$374,648,241</u>	8%	<u>\$28,899,346</u>	<u>\$28,899,346</u>	<u>\$24,684,841</u>	<u>\$4,214,505</u>	17.07 %
 Total State Appropriated Funds 2015-2016	 <u>\$356,641,874</u>						
Increase from 2015-2016	<u>\$18,006,367</u>						
Percent Increase from 2015-2016	<u>5.05%</u>						

	1-Jul-16 31-Jul-16	Year to Date	Prior Year to Date	Increase (Decrease) from Prior Year	Percent Increase (Decrease) from Prior Year
<u>Other Unrestricted Funds</u>					
Overhead Reimbursement for R & D Designated	\$683,524	\$683,524	\$773,276	(\$89,752)	(11.61) %
Service Departments	3,285,946	3,285,946	7,598,526	(4,312,580)	(56.76) %
Auxiliary Enterprises (Except Athletics)	4,287,627	4,287,627	4,542,133	(254,506)	(5.60) %
Athletics - USU	2,161,161	2,161,161	2,146,585	14,576	0.68 %
	<u>1,592,798</u>	<u>1,592,798</u>	<u>1,843,195</u>	<u>(250,397)</u>	<u>(13.58) %</u>
	<u>12,011,056</u>	<u>12,011,056</u>	<u>16,903,715</u>	<u>(4,892,659)</u>	<u>(28.94) %</u>
<u>Other Restricted Funds</u>					
Instruction	1,132,162	1,132,162	960,366	171,796	17.89 %
Research	3,375,143	3,375,143	2,425,855	949,288	39.13 %
Public Service	2,425,480	2,425,480	2,861,458	(435,978)	(15.24) %
Academic Support	493,981	493,981	469,761	24,220	5.16 %
Student Services	435,269	435,269	759,518	(324,249)	(42.69) %
Institutional Support	40,735	40,735	58,123	(17,388)	(29.92) %
Operation and Maintenance of Plant	150,768	150,768	2,004	148,764	7,423.35 %
Scholarships and Fellowships	5,807,165	5,807,165	4,145,225	1,661,940	40.09 %
Service Departments	-	-	-	-	- %
Auxiliary Enterprises	(777,319)	(777,319)	545,945	(1,323,264)	(242.38) %
	<u>13,083,384</u>	<u>13,083,384</u>	<u>12,228,255</u>	<u>855,129</u>	<u>6.99 %</u>
<u>Other Funds</u>					
Plant Funds	1,617,847	1,617,847	645,028	972,819	150.82 %
Associated Students	-	-	-	-	- %
Other Agency Funds	10,430	10,430	8,625	1,805	20.93 %
	<u>1,628,277</u>	<u>1,628,277</u>	<u>653,653</u>	<u>974,624</u>	<u>149.10 %</u>
 Total All Funds	 <u>\$55,622,063</u>	 <u>\$55,622,063</u>	 <u>\$54,470,464</u>	 <u>\$1,151,599</u>	 <u>2.11 %</u>

12/8/16

Date

  
David T. Cowley

6 January 2017

**ITEM FOR ACTION**

**RE:** Certificate of Treasurer for August 2016

The Certificate of Treasurer for August 2016 is submitted to the Board of Trustees for consideration. It has received the appropriate administrative review and approval.

**EXECUTIVE SUMMARY**

The State Appropriated Funds budget at 31 August 2016 totaled \$374,688,606, up \$18,046,732 (5.06%) over the same 2015-2016 period. The year-to-date state appropriated funds expenditures totaled \$57,243,754, up \$9,075,420 (18.84%) over the same 2015-2016 period and represented 15% of the total budget. The percent of budget expended, 15%, was 2% less than would be expected to be spent on a strict time of budget year expired basis.

Total expenditures for all funds totaled \$133,181,908, up \$8,455,965 (6.78%) over the same 2015-2016 period.

**RECOMMENDATION**

The President and Vice President for Business and Finance recommend that the Board of Trustees approve the Certificate of Treasurer for August 2016.

**RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES**

WHEREAS, Authorized invoices and supporting papers have been filed pertaining to those expenditures listed on the attached Certificate of Treasurer; and

WHEREAS, Expenditures listed on the attached Certificate of Treasurer have been reviewed and approved for payment by the USU Controller's Office, Purchasing Department, and other departments; and

WHEREAS, The expenditures listed on the attached Certificate of Treasurer are in accordance with the laws and rules of Utah State University and the State of Utah; and

WHEREAS, The Chief Financial Officer for Utah State University, David T. Cowley, Vice President for Business and Finance, has certified to the best of his knowledge and belief that all expenditures listed on the attached Certificate of Treasurer were legitimate claims against Utah State University and funds were available for payment of said claims; and

WHEREAS, Vice President Cowley requests approval of the listed expenditures by fund for the period 1 July 2016 to 31 August 2016 on the attached Certificate of Treasurer; and

WHEREAS, The President of Utah State University has reviewed the attached Certificate of Treasurer and recommends its approval of those expenditures listed thereon by the Utah State University Board of Trustees; and

WHEREAS, The USU Board of Trustees has reviewed and given due consideration, review, and authorization of the expenditures listed on the attached Certificate of Treasurer;

NOW, THEREFORE, BE IT RESOLVED, That the USU Board of Trustees hereby approves the attached Certificate of Treasurer as presented and ratifies the expenditures listed on said Certificate of Treasurer for August 2016.

=====

RESOLUTION APPROVED BY THE USU BOARD OF TRUSTEES:

\_\_\_\_\_

Date

## CERTIFICATE OF TREASURER

I, David T. Cowley, Vice President for Business and Finance, of Utah State University, do hereby certify as follows and request approval of the listed expenditures by fund for the period 1 July 2016 to 31 August 2016.

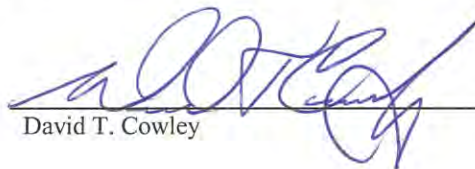
Authorization, invoices, and supporting papers have been filed pertaining to the following enumerated expenditures, which have been reviewed and processed for payment by the Controller's Office, Purchasing Department, and other departments; according to the laws, rules, and regulations of Utah State University and the State of Utah. To the best of my knowledge and belief, all are legitimate claims against Utah State University and funds were available for payment of said claims.

State Appropriated Funds	Budget	Percent of Budget Expended (17% Fiscal Year Expired)	1-Aug-16 31-Aug-16	Year to Date	Prior Year to Date	Increase (Decrease) from Prior Year	Percent Increase (Decrease) from Prior Year
Education and General (Except Athletics)	\$246,508,618	15%	\$19,312,570	\$35,794,792	\$32,161,000	\$3,633,792	11.30 %
Athletics	6,623,052	13%	485,852	887,792	875,714	12,078	1.38 %
E&G - O&M	2,845,536	7%	111,378	197,603	26,962	170,641	632.89 %
Agricultural Experiment Station	17,203,998	13%	1,297,555	2,257,315	1,853,621	403,694	21.78 %
UWRL Appropriation	3,919,450	9%	188,781	370,892	312,963	57,929	18.51 %
UWRL Apportionment	3,264,314	14%	227,409	452,187	637,913	(185,726)	(29.11) %
Tooele - Cont. Ed. Center	12,958,600	35%	569,111	4,498,115	2,063,357	2,434,758	118.00 %
Educationally Disadvantaged	100,000	31%	2,480	31,276	18,337	12,939	70.56 %
Southeastern Utah - Cont. Ed. Center	2,498,168	39%	172,707	965,289	268,189	697,100	259.93 %
Uintah Basin - Cont. Ed. Center	6,785,608	25%	718,406	1,720,091	939,927	780,164	83.00 %
Cooperative Extension	19,423,155	12%	1,168,575	2,300,675	2,038,289	262,386	12.87 %
Brigham City - Cont. Ed. Center	18,619,221	19%	1,462,006	3,512,832	3,594,916	(82,084)	(2.28) %
USTAR	603,524	0%	549	994	92,823	(91,829)	(98.93) %
AWSF - USTAR Funding	-	-	-	-	10	(10)	(100.00) %
E&G - Vet Med	10,589,252	12%	943,613	1,288,649	372,228	916,421	246.20 %
Price (USU Eastern)	15,999,150	13%	1,165,404	2,023,717	1,991,045	32,672	1.64 %
Blanding Campus (USU Eastern)	4,316,999	16%	380,090	674,458	661,496	12,962	1.96 %
Educationally Disadvantaged (USU Eastern)	171,059	0%	-	-	-	-	- %
Prehistoric Museum (USU Eastern)	595,407	11%	35,828	68,136	71,091	(2,955)	(4.16) %
Workforce Education (USU Eastern)	1,663,495	12%	102,095	198,941	188,453	10,488	5.57 %
Total State Appropriated Funds	<u>\$374,688,606</u>	15%	<u>\$28,344,409</u>	<u>\$57,243,754</u>	<u>\$48,168,334</u>	<u>\$9,075,420</u>	18.84 %
Total State Appropriated Funds 2015-2016	<u>\$356,641,874</u>						
Increase from 2015-2016	<u>\$18,046,732</u>						
Percent Increase from 2015-2016	<u>5.06%</u>						

	1-Aug-16 31-Aug-16	Year to Date	Prior Year to Date	Increase (Decrease) from Prior Year	Percent Increase (Decrease) from Prior Year
<u>Other Unrestricted Funds</u>					
Overhead Reimbursement for R & D Designated	\$1,101,603	\$1,785,127	\$1,703,099	\$82,028	4.82 %
Service Departments	2,346,294	5,632,240	10,447,911	(4,815,671)	(46.09) %
Auxiliary Enterprises (Except Athletics)	4,067,627	8,355,254	8,372,495	(17,241)	(0.21) %
Athletics - USU	4,440,584	6,601,745	6,268,264	333,481	5.32 %
	2,619,653	4,212,451	3,621,364	591,087	16.32 %
	<u>14,575,761</u>	<u>26,586,817</u>	<u>30,413,133</u>	<u>(3,826,316)</u>	<u>(12.58) %</u>
<u>Other Restricted Funds</u>					
Instruction	1,416,842	2,549,004	2,298,065	250,939	10.92 %
Research	5,765,109	9,140,253	7,930,856	1,209,397	15.25 %
Public Service	4,278,449	6,703,928	6,329,583	374,345	5.91 %
Academic Support	650,838	1,144,819	1,129,739	15,080	1.33 %
Student Services	757,974	1,193,244	1,126,810	66,434	5.90 %
Institutional Support	47,264	87,999	106,225	(18,226)	(17.16) %
Operation and Maintenance of Plant	56,973	207,741	3,642	204,099	5,604.04 %
Scholarships and Fellowships	19,543,196	25,350,360	23,774,611	1,575,749	6.63 %
Service Departments	-	-	-	-	- %
Auxiliary Enterprises	(110,996)	(888,315)	345,355	(1,233,670)	(357.22) %
	<u>32,405,649</u>	<u>45,489,033</u>	<u>43,044,886</u>	<u>2,444,147</u>	<u>5.68 %</u>
<u>Other Funds</u>					
Plant Funds	2,227,506	3,845,353	3,083,694	761,659	24.70 %
Associated Students	-	-	-	-	- %
Other Agency Funds	6,520	16,951	15,896	1,055	6.64 %
	<u>2,234,026</u>	<u>3,862,304</u>	<u>3,099,590</u>	<u>762,714</u>	<u>24.61 %</u>
Total All Funds	<u>\$77,559,845</u>	<u>\$133,181,908</u>	<u>\$124,725,943</u>	<u>\$8,455,965</u>	<u>6.78 %</u>

12/8/16

Date

  
David T. Cowley

6 January 2017

**ITEM FOR ACTION**

**RE:** Certificate of Treasurer for September 2016

The Certificate of Treasurer for September 2016 is submitted to the Board of Trustees for consideration. It has received the appropriate administrative review and approval.

**EXECUTIVE SUMMARY**

The State Appropriated Funds budget at 30 September 2016 totaled \$374,675,183, up \$18,033,309 (5.06%) over the same 2015-2016 period. The year-to-date state appropriated funds expenditures totaled \$82,250,730, up \$6,451,650 (8.51%) over the same 2015-2016 period and represented 22% of the total budget. The percent of budget expended, 22%, was 3% less than would be expected to be spent on a strict time of budget year expired basis.

Total expenditures for all funds totaled \$195,371,570, up \$11,134,601 (6.04%) over the same 2015-2016 period.

**RECOMMENDATION**

The President and Vice President for Business and Finance recommend that the Board of Trustees approve the Certificate of Treasurer for September 2016.

**RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES**

WHEREAS, Authorized invoices and supporting papers have been filed pertaining to those expenditures listed on the attached Certificate of Treasurer; and

WHEREAS, Expenditures listed on the attached Certificate of Treasurer have been reviewed and approved for payment by the USU Controller's Office, Purchasing Department, and other departments; and

WHEREAS, The expenditures listed on the attached Certificate of Treasurer are in accordance with the laws and rules of Utah State University and the State of Utah; and

WHEREAS, The Chief Financial Officer for Utah State University, David T. Cowley, Vice President for Business and Finance, has certified to the best of his knowledge and belief that all expenditures listed on the attached Certificate of Treasurer were legitimate claims against Utah State University and funds were available for payment of said claims; and

WHEREAS, Vice President Cowley requests approval of the listed expenditures by fund for the period 1 July 2016 to 30 September 2016 on the attached Certificate of Treasurer; and

WHEREAS, The President of Utah State University has reviewed the attached Certificate of Treasurer and recommends its approval of those expenditures listed thereon by the Utah State University Board of Trustees; and

WHEREAS, The USU Board of Trustees has reviewed and given due consideration, review, and authorization of the expenditures listed on the attached Certificate of Treasurer;

NOW, THEREFORE, BE IT RESOLVED, That the USU Board of Trustees hereby approves the attached Certificate of Treasurer as presented and ratifies the expenditures listed on said Certificate of Treasurer for September 2016.

=====

RESOLUTION APPROVED BY THE USU BOARD OF TRUSTEES:

\_\_\_\_\_

Date



## CERTIFICATE OF TREASURER

I, David T. Cowley, Vice President for Business and Finance, of Utah State University, do hereby certify as follows and request approval of the listed expenditures by fund for the period 1 July 2016 to 30 September 2016.

Authorization, invoices, and supporting papers have been filed pertaining to the following enumerated expenditures, which have been reviewed and processed for payment by the Controller's Office, Purchasing Department, and other departments; according to the laws, rules, and regulations of Utah State University and the State of Utah. To the best of my knowledge and belief, all are legitimate claims against Utah State University and funds were available for payment of said claims.

State Appropriated Funds	Budget	Percent of Budget Expended (25% Fiscal Year Expired)	1-Sep-16 30-Sep-16	Year to Date	Prior Year to Date	Increase (Decrease) from Prior Year	Percent Increase (Decrease) from Prior Year
Education and General (Except Athletics)	\$246,495,195	22%	\$17,898,223	\$53,693,015	\$50,098,830	\$3,594,185	7.17 %
Athletics	6,623,052	21%	500,900	1,388,692	1,345,719	42,973	3.19 %
E&G - O&M	2,845,536	8%	21,851	219,454	13,999	205,455	1,467.64 %
Agricultural Experiment Station	17,203,998	19%	1,094,797	3,352,112	2,806,218	545,894	19.45 %
UWRL Appropriation	3,919,450	13%	140,825	511,717	474,459	37,258	7.85 %
UWRL Apportionment	3,264,314	20%	211,053	663,239	926,888	(263,649)	(28.44) %
Tooele - Cont. Ed. Center	12,958,600	39%	546,679	5,044,794	3,006,575	2,038,219	67.79 %
Educationally Disadvantaged	100,000	32%	776	32,052	19,403	12,649	65.19 %
Southeastern Utah - Cont. Ed. Center	2,498,168	44%	122,673	1,087,962	507,786	580,176	114.26 %
Uintah Basin - Cont. Ed. Center	6,785,608	32%	485,013	2,205,103	1,481,971	723,132	48.80 %
Cooperative Extension	19,423,155	17%	1,052,508	3,353,183	3,058,989	294,194	9.62 %
Brigham City - Cont. Ed. Center	18,619,221	24%	911,055	4,423,887	6,148,260	(1,724,373)	(28.05) %
USTAR	603,524	0%	527	1,520	120,345	(118,825)	(98.74) %
AWSF - USTAR Funding	-	-	-	-	15	(15)	(100.00) %
E&G - Vet Med	10,589,252	15%	276,864	1,565,513	1,309,884	255,629	19.52 %
Price (USU Eastern)	15,999,150	20%	1,246,915	3,270,632	3,089,014	181,618	5.88 %
Blanding Campus (USU Eastern)	4,316,999	23%	316,599	991,057	988,238	2,819	0.29 %
Educationally Disadvantaged (USU Eastern)	171,059	0%	236	236	-	236	-
Prehistoric Museum (USU Eastern)	595,407	17%	32,621	100,757	108,176	(7,419)	(6.86) %
Workforce Education (USU Eastern)	1,663,495	21%	146,864	345,805	294,311	51,494	17.50 %
Total State Appropriated Funds	<u>\$374,675,183</u>	22%	<u>\$25,006,979</u>	<u>\$82,250,730</u>	<u>\$75,799,080</u>	<u>\$6,451,650</u>	8.51 %
Total State Appropriated Funds 2015-2016	<u>\$356,641,874</u>						
Increase from 2015-2016	<u>\$18,033,309</u>						
Percent Increase from 2015-2016	<u>5.06%</u>						

	1-Sep-16 30-Sep-16	Year to Date	Prior Year to Date	Increase (Decrease) from Prior Year	Percent Increase (Decrease) from Prior Year
<u>Other Unrestricted Funds</u>					
Overhead Reimbursement for R & D Designated	\$961,282	\$2,746,409	\$2,405,672	\$340,737	14.16 %
Service Departments	7,723,885	13,356,126	15,397,512	(2,041,386)	(13.26) %
Auxiliary Enterprises (Except Athletics)	4,191,789	12,547,044	12,839,260	(292,216)	(2.28) %
Athletics - USU	3,469,563	10,071,308	9,732,474	338,834	3.48 %
	1,542,202	5,754,653	5,316,936	437,717	8.23 %
	<u>17,888,721</u>	<u>44,475,540</u>	<u>45,691,854</u>	<u>(1,216,314)</u>	<u>(2.66) %</u>
<u>Other Restricted Funds</u>					
Instruction	1,444,527	3,993,531	3,773,152	220,379	5.84 %
Research	5,530,959	14,671,212	13,926,496	744,716	5.35 %
Public Service	4,014,568	10,718,496	9,742,302	976,194	10.02 %
Academic Support	452,489	1,597,309	1,627,829	(30,520)	(1.87) %
Student Services	929,570	2,122,814	1,667,048	455,766	27.34 %
Institutional Support	91,189	179,188	159,036	20,152	12.67 %
Operation and Maintenance of Plant	34,244	241,985	6,617	235,368	3,557.02 %
Scholarships and Fellowships	2,102,693	27,453,053	25,806,047	1,647,006	6.38 %
Service Departments	-	-	-	-	- %
Auxiliary Enterprises	111,479	(776,835)	465,585	(1,242,420)	(266.85) %
	<u>14,711,718</u>	<u>60,200,753</u>	<u>57,174,112</u>	<u>3,026,641</u>	<u>5.29 %</u>
<u>Other Funds</u>					
Plant Funds	4,555,401	8,400,754	5,550,710	2,850,044	51.35 %
Associated Students	-	-	-	-	- %
Other Agency Funds	26,842	43,793	21,213	22,580	106.44 %
	<u>4,582,243</u>	<u>8,444,547</u>	<u>5,571,923</u>	<u>2,872,624</u>	<u>51.56 %</u>
 Total All Funds	 <u>\$62,189,661</u>	 <u>\$195,371,570</u>	 <u>\$184,236,969</u>	 <u>\$11,134,601</u>	 <u>6.04 %</u>

12/8/16

Date

  
David T. Cowley

6 January 2017

### **ITEM FOR ACTION**

**RE:** Contract/Grant Proposals and Awards (September, 2016)

The summary of the Status of Sponsored Program Awards, prepared by our Sponsored Programs Office for September 2016 is submitted for the Trustees' consideration. They have received the appropriate administrative review and approval.

### **EXECUTIVE SUMMARY**

The awards for the month of September 2016 amounted to \$33,801,496 versus \$36,328,412 for September 2015.

The comparative graph, "Utah State University Sponsored Program Awards" indicates that through September 2016 cumulative award dollars were lower (-27.8%) from last year for the same time period, with awards totaling \$63,719,791 for FY2017. Scholarships, fellowships and state appropriations for research are not included in either figure.

The value of proposals submitted decreased from \$58,440,735 in September 2015 to \$41,868,106 during September 2016 (-28.4%). The total number of current year proposals (419) is more than FY2016 (377).

### **RECOMMENDATION**

The President and Vice President for Research recommend that the Board of Trustees approves the contract and grant status report for September 2016.

**RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES**

WHEREAS, The attached list of contract/grant proposals and awards (September 2016) are recommended by the President and the Vice President for Research to the Board of Trustees:

NOW THEREFORE, BE IT NOW RESOLVED, That the USU Board of Trustees hereby approves the recommendation of the President and the Vice President for Research.

**RESOLUTION APPROVED BY BOARD OF TRUSTEES:**

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Date

## Selected List of Awards Greater than \$1,000,000.00 from 09-01-2016 to 09-30-2016

Filters Applied\*: No Filter

### Award # 1

Control Number	09S070014	Agency	1,199,971.00
Funding Agency	Air Force Space and Missiles Command	USU	0.00
Flow Through Agency	Air Force	Total	1,199,971.00
Department	USURF		
College	USURF		
Admin. Center	USU Research Foundation		
Research Function	Sponsored Research-Applied		
Program Manager(s)	Tim Neilsen		
Co-PI(s)			
Period of Performance	09-30-2016 -- 09-30-2017		
Original Award Date	09-30-2016		
Change/Mod Effective Date	09-30-2016		
Program Name	Space Situational Awareness Environmental Monitoring (SSAEM) Radio Frequency (RF) Beacon Ground Receivers		
Statement	The Space Dynamics Laboratory will provide 11 Radio Frequency Beacon Receivers (RFBR) to the Air Force Space and Missiles Command (SMC).		

### Award # 2

Control Number	S00243001	Agency	6,290,202.79
Funding Agency	Misc Federal Sponsors	USU	0.00
Flow Through Agency	Air Force	Total	6,290,202.79
Department	USURF		
College	USURF		
Admin. Center	USU Research Foundation		
Research Function	Sponsored Research-Applied		
Program Manager(s)	Glen Wada		
Co-PI(s)			
Period of Performance	09-21-2016 -- 03-22-2017		
Original Award Date	09-22-2016		
Change/Mod Effective Date	09-21-2016		
Program Name	CubeSat and GEOINT (Geospatial Intelligence) GEOINT Research and Development (CGRAD) Task Order 0001 - Virtual Imagery Processing Capability (VIP-C) Bridging FY 2017		
Statement	Space Dynamics Laboratory (SDL) will support the Virtual Imagery Processing Capability (VIP-C) product, including enhancements to the VANTAGE software, support for the VIP-C system at Air Force Core and Distributed Common Ground Station (DCGS) sites, and technical support for exercises.		

**Agency Total**                      **7,490,173.79**

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Prepared: 10-11-2016 09:31

<b>USU Total</b>	<b>0.00</b>
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<b>Grand Total</b>	<b>7,490,173.79</b>
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\* Only awards from the listed filters are included in this report. If you believe that you should have access to information about additional departments, colleges, or research centers, please submit a support request on the Electronic-Office website or email Keith Paskett: Keith.Paskett@usurf.usu.edu.

**Selected List of Proposals Greater than  
\$1,000,000.00 from 09-01-2016 to 09-30-2016**

Filters Applied\*: No Filter

**Proposal # 1: New**

Control Number	09S070014	Agency	\$1,199,971.00
Proposal ID	T00004281 Revision: 0	USU	\$0.00
Funding Agency	Air Force Space and Missiles Command	Other	\$0.00
Department	USURF	Total	\$1,199,971.00
College	USURF		
Research Center	USU Research Foundation		
Research Function	Sponsored Research-Applied		
Program Manager(s)	Tim Neilsen		
Co-PI(s)			
Period of Performance	10-01-2016 -- 09-30-2017		
Proposal Date	09-07-2016		
Program Name	Space Situational Awareness Environmental Monitoring (SSAEM) Radio Frequency (RF) Beacon Ground Receivers		
Statement	The Space Dynamics Laboratory will provide 11 Radio Frequency Beacon Receivers (RFBR) to the Air Force Space and Missiles Command (SMC).		

**Proposal # 2: Change Order**

Control Number	S00002607	Agency	\$1,018,126.00
Proposal ID	T00004253 Revision: 0	USU	\$0.00
Funding Agency	Air Force	Other	\$0.00
Department	USURF	Total	\$1,018,126.00
College	USURF		
Research Center	USU Research Foundation		
Research Function	Sponsored Research-Applied		
Program Manager(s)	Jim Perry		
Co-PI(s)			
Period of Performance	09-01-2016 -- 05-31-2017		
Proposal Date	09-01-2016		
Program Name	Kokanee		
Statement	Cubesat Mission		

**Proposal # 3: New**

Control Number	S00003121	Agency	\$3,200,000.00
Proposal ID	T00004227 Revision: 0	USU	\$0.00
Funding Agency	Lockheed Martin Space Systems	Other	\$0.00
Department	USURF	Total	\$3,200,000.00
College	USURF		
Research Center	USU Research Foundation		
Research Function	Sponsored Research-Applied		
Program Manager(s)	Erik Syrstad		
Co-PI(s)			
Period of Performance	10-01-2018 -- 06-30-2020		
Proposal Date	09-08-2016		
Program Name	Multislit Solar Explorer		
Statement	The Space Dynamics Laboratory (SDL) will design, build and deliver two UltraViolet cameras to Lockheed Martin for the Multislit Solar Explorer mission.		

**Proposal # 4: New**

Control Number	S00003133	Agency	\$1,980,000.00
Proposal ID	T00004249 Revision: 0	USU	\$0.00
Funding Agency	Air Force Research Laboratory	Other	\$0.00
Department	USURF	Total	\$1,980,000.00
College	USURF		
Research Center	USU Research Foundation		
Research Function	Sponsored Research-Basic		
Program Manager(s)	John Santacroce		
Co-PI(s)			
Period of Performance	01-02-2016 -- 12-31-2021		
Proposal Date	09-07-2016		
Program Name	Dynamic Sensor Support (DSS) Task Order 0007 Mycroft		
Statement	The Space Dynamics Laboratory (SDL) will provide the Air Force Research Laboratory (AFRL) with spacecraft and payload technical expertise and support during mission phases, including design and development, assembly/integration and test, operations training, and on-orbit execution.		



**Proposal # 5: New**

Control Number	S00003153	Agency	\$2,570,000.00
Proposal ID	T00004277 Revision: 0	USU	\$0.00
Funding Agency	Air Force Research Laboratory	Other	\$0.00
Department	USURF	Total	\$2,570,000.00
College	USURF		
Research Center	USU Research Foundation		
Research Function	Sponsored Research-Basic		
Program Manager(s)	Adam Shelley		
Co-PI(s)			
Period of Performance	01-02-2017 -- 01-02-2022		
Proposal Date	09-12-2016		
Program Name	Dynamic Sensor Support (DSS) Task Order 0008 Rockstar		
Statement	The Space Dynamics Laboratory (SDL) will provide the Air Force Research Laboratory (AFRL) with technical support to an existing AFRL CubeSat experiment to ensure mission success. SDL will confirm the program is on track, that the AFRL proposed generic CONOPS is feasible and executable, that the program assumption and constraints are valid, and that the experiment execution proceeds as planned. Work will include spacecraft systems engineering support, access to subject matter experts, refinement of the experiment CONOPS and investigation definitions, and the preparation of a final Experiment Plan.		

**Proposal # 6: Revision**

Control Number	S00243001	Agency	\$-213,018.00
Proposal ID	T00003997 Revision: 1	USU	\$0.00
Funding Agency	Misc Federal Sponsors	Other	\$0.00
Department	USURF	Total	\$-213,018.00
College	USURF		
Research Center	USU Research Foundation		
Research Function	Sponsored Research-Applied		
Program Manager(s)	Glen Wada		
Co-PI(s)			
Period of Performance	10-01-2016 -- 03-31-2017		
Proposal Date	09-15-2016		
Program Name	CubeSat and GEOINT (Geospatial Intelligence) GEOINT Research and Development (CGRAD) Task Order 0001 - Virtual Imagery Processing Capability (VIP-C) Bridging FY 2017		
Statement	Space Dynamics Laboratory (SDL) will support the Virtual Imagery Processing Capability (VIP-C) product, including enhancements to the VANTAGE software, support for the VIP-C system at Air Force Core and Distributed Common Ground Station (DCGS) sites, and technical support for exercises.		

<b>Agency Total</b>	<b>\$9,755,079.00</b>
<b>USU Total</b>	<b>\$0.00</b>
<b>Other Total</b>	<b>\$0.00</b>
<b>Grand Total</b>	<b>\$9,755,079.00</b>

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\* Only proposals from the listed filters are included in this report. If you believe that you should have access to information about additional departments, colleges, or research centers, please submit a support request on the Electronic-Office website or email Keith Paskett: Keith.Paskett@usurf.usu.edu.

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**Prepared: 10-11-2016 09:42**

6 January 2017

**ITEM FOR ACTION**

**RE:** Contract/Grant Proposals and Awards (October, 2016)

The summary of the Status of Sponsored Program Awards, prepared by our Sponsored Programs Office for October 2016 is submitted for the Trustees' consideration. They have received the appropriate administrative review and approval.

**EXECUTIVE SUMMARY**

The awards for the month of October 2016 amounted to \$17,357,862 versus \$7,939,892 for October 2015.

The comparative graph, "Utah State University Sponsored Program Awards" indicates that through October 2016 cumulative award dollars were lower (-15.8%) from last year for the same time period, with awards totaling \$81,077,653 for FY2017. Scholarships, fellowships and state appropriations for research are not included in either figure.

The value of proposals submitted increased from \$27,651,775 in October 2015 to \$179,331,486 during October 2016 (548.5%). The total number of current year proposals (540) is more than FY2016 (498).

**RECOMMENDATION**

The President and Vice President for Research recommend that the Board of Trustees approves the contract and grant status report for October 2016.

**RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES**

WHEREAS, The attached list of contract/grant proposals and awards (October 2016) are recommended by the President and the Vice President for Research to the Board of Trustees:

NOW THEREFORE, BE IT NOW RESOLVED, That the USU Board of Trustees hereby approves the recommendation of the President and the Vice President for Research.

**RESOLUTION APPROVED BY BOARD OF TRUSTEES:**

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Date

## Selected List of Awards Greater than \$1,000,000.00 from 10-01-2016 to 10-31-2016

Filters Applied\*: No Filter

### Award # 1

Control Number	S00007001	Agency	3,533,088.92
Funding Agency	Jacobs Technology, Inc.	USU	0.00
Flow Through Agency	Hill Air Force Base	Total	3,533,088.92
Department	USURF		
College	USURF		
Admin. Center	USU Research Foundation		
Research Function	Sponsored Research-Applied		
Program Manager(s)	Bennett Keller		
Co-PI(s)			
Period of Performance	10-19-2016 -- 09-30-2018		
Original Award Date	10-20-2016		
Change/Mod Effective Date	10-19-2016		
Program Name	Air Combat Training System (ACTS) P5 Pod Advanced Digital Interface Unit (ADIU)		
Statement	The Space Dynamics Laboratory will design the new P5 Pod Advanced Digital Interface Unit (ADIU) as a direct replacement of the existing P5 assembly with improvements as directed by the Air Force. This effort will include the delivery of several prototype assemblies and a complete technical data package (TDP) that would support the future procurement of the P5 ADIU and the establishment of organic repair capability as necessary.		

<b>Agency Total</b>	<b>3,533,088.92</b>
<b>USU Total</b>	<b>0.00</b>
<b>Grand Total</b>	<b>3,533,088.92</b>

\* Only awards from the listed filters are included in this report. If you believe that you should have access to information about additional departments, colleges, or research centers, please submit a support request on the Electronic-Office website or email Keith Paskett: [Keith.Paskett@usurf.usu.edu](mailto:Keith.Paskett@usurf.usu.edu).

**Utah State University / Division of Sponsored Programs - List of Awards Over \$1,000,000: 10/01/2016 - 10/31/2016**

Award Number	Funding Sponsor/PTE	Department/Unit	College	Principal Investigator	Award Action		Original Award Date	Award Date (This Action)	Title	Awarded Funding (This Action)
					Type	Function Type				
151183-00001	U.S. Dept. of Hlth. and Hum. Svcs. - Office of Family Assistance	Family Consumer & Human Development	Emma Eccles Jones College of Education & Human Services	Brian J Higginbotham	Allotment (Increment)	Other Sponsored Activities	2015-09-30	2016-10-05	Steps to Healthy Fatherhood	\$ 1,574,870.00
200658-00001	U.S. Department of Energy (DOE)	Mechanical & Aerospace Engineering	College of Engineering	Heng Ban	New	Research Basic	2016-10-01	2016-10-11	Transient Reactor (TREAT) Experiments to Validate MBM Fuel Performance Simulations	\$ 4,000,000.00
<b>Totals</b>										<b>\$ 5,574,870.00</b>

## Selected List of Proposals Greater than \$1,000,000.00 from 10-01-2016 to 10-31-2016

Filters Applied\*: No Filter

### Proposal # 1: New

Control Number	S00002741	Agency	\$40,617,629.00
Proposal ID	T00003741 Revision: 0	USU	\$0.00
Funding Agency	Air Force	Other	\$0.00
Department	USURF	Total	\$40,617,629.00
College	USURF		
Research Center	USU Research Foundation		
Research Function	Sponsored Research-Applied		
Program Manager(s)	Glen Wada		
Co-PI(s)			
Period of Performance	03-01-2017 -- 08-31-2021		
Proposal Date	10-20-2016		
Program Name	Extended Tether Program (ETP) Virtual Imagery Processing Capability (VIP-C)		
Statement	The Space Dynamics Laboratory will furnish the necessary personnel, facilities, and material to fabricate, assemble, test, deliver, and install the equipment and software required to maintain and enhance the Virtual Imagery Processing Capability (VIP-C) for the Air Force.		

### Proposal # 2: Revision

Control Number	S00002783	Agency	\$990,504.47
Proposal ID	T00003793 Revision: 2	USU	\$0.00
Funding Agency	NASA Jet Propulsion Laboratory	Other	\$0.00
Department	USURF	Total	\$990,504.47
College	USURF		
Research Center	USU Research Foundation		
Research Function	Sponsored Research-Applied		
Program Manager(s)	Tim Neilsen		
Co-PI(s)			
Period of Performance	06-16-2016 -- 04-30-2017		
Proposal Date	10-14-2016		
Program Name	Jet Propulsion Laboratory Iris Transponder		
Statement	The Space Dynamics Laboratory will fabricate, assemble, test, and deliver a CubeSat transponder and Ground Support Equipment.		

**Proposal # 3: New**

Control Number	S00002783	Agency	\$3,458,292.00
Proposal ID	T00004353 Revision: 0	USU	\$0.00
Funding Agency	NASA Jet Propulsion Laboratory	Other	\$0.00
Department	USURF	Total	\$3,458,292.00
College	USURF		
Research Center	USU Research Foundation		
Research Function	Sponsored Research-Applied		
Program Manager(s)	Tim Neilsen		
Co-PI(s)			
Period of Performance	12-01-2016 -- 11-30-2017		
Proposal Date	10-27-2016		
Program Name	Jet Propulsion Laboratory Iris Transponder		
Statement	The Space Dynamics Laboratory will fabricate, assemble, test, and deliver a CubeSat transponder and Ground Support Equipment.		

**Proposal # 4: New**

Control Number	S00002819	Agency	\$11,708,244.58
Proposal ID	T00003835 Revision: 0	USU	\$0.00
Funding Agency	NASA Jet Propulsion Laboratory	Other	\$0.00
Department	USURF	Total	\$11,708,244.58
College	USURF		
Research Center	USU Research Foundation		
Research Function	Sponsored Research-Applied		
Program Manager(s)	Tim Neilsen		
Co-PI(s)			
Period of Performance	09-01-2018 -- 12-31-2022		
Proposal Date	10-12-2016		
Program Name	Sun Radio Interferometer Space Experiment (SunRISE)		
Statement	The Space Dynamics Laboratory will fabricate, test, and deliver six 6U spacecraft to JPL in support of the Sun Radio Interferometer Science Experiment Mission.		



**Proposal # 5: New**

Control Number	S00002827	Agency	\$37,913,194.00
Proposal ID	T00003843 Revision: 0	USU	\$0.00
Funding Agency	NASA - General	Other	\$0.00
Department	USURF	Total	\$37,913,194.00
College	USURF		
Research Center	USU Research Foundation		
Research Function	Sponsored Research-Applied		
Program Manager(s)	Erik Syrtstad		
Co-PI(s)			
Period of Performance	04-01-2017 -- 09-30-2024		
Proposal Date	10-14-2016		
Program Name	Atmospheric Waves Experiment		
Statement	The Space Dynamics Laboratory will build the Advanced Mesospheric Temperature Mapper (AMTM) for the Atmospheric Waves Experiment (AWE). AWE is a low-risk, space-weather mission that uses proven technologies for observing gravity waves from ground stations and aircraft.		

**Proposal # 6: New**

Control Number	S00003123	Agency	\$2,306,513.00
Proposal ID	T00004229 Revision: 0	USU	\$0.00
Funding Agency	University of California at Berkeley	Other	\$0.00
Department	USURF	Total	\$2,306,513.00
College	USURF		
Research Center	USU Research Foundation		
Research Function	Sponsored Research-Applied		
Program Manager(s)	Erik Syrtstad		
Co-PI(s)			
Period of Performance	10-01-2018 -- 03-31-2020		
Proposal Date	10-12-2016		
Program Name	Aurora Physics Explorer (APEX)		
Statement	The Space Dynamics Laboratory will provide two complementary metal-oxide-semiconductor (CMOS)-based camera, software for the detector readout, and documentation to be used in the Aurora Physics Explorer proposal.		

**Proposal # 7: New**

Control Number	S00003191	Agency	\$2,865,360.34
Proposal ID	T00004329 Revision: 0	USU	\$0.00
Funding Agency	L-3 Communications - Communication Systems West Division	Other	\$0.00
Department	USURF	Total	\$2,865,360.34
College	USURF		
Research Center	USU Research Foundation		
Research Function	Sponsored Research-Applied		
Program Manager(s)	Kenny Reese		
Co-PI(s)			
Period of Performance	12-22-2016 -- 01-23-2018		
Proposal Date	10-14-2016		
Program Name	CASCADE Persistence Geospatial Intelligence (GEOINT) Mission Manager (PGMM)		
Statement	The Space Dynamics Laboratory will meet the technical requirements for the Persistence Geospatial Intelligence (GEOINT) Mission Manager (PGMM) CASCADE Program.		

**Proposal # 8: New**

Control Number	S00007001	Agency	\$92,811.00
Proposal ID	T00003231 Revision: 1	USU	\$0.00
Funding Agency	Jacobs Technology, Inc.	Other	\$0.00
Department	USURF	Total	\$92,811.00
College	USURF		
Research Center	USU Research Foundation		
Research Function	Sponsored Research-Applied		
Program Manager(s)	Bennett Keller		
Co-PI(s)			
Period of Performance	10-20-2016 -- 11-30-2018		
Proposal Date	10-10-2016		
Program Name	Air Combat Training System (ACTS) P5 Pod Advanced Digital Interface Unit (ADIU)		
Statement	The Space Dynamics Laboratory will design the new P5 Pod Advanced Digital Interface Unit (ADIU) as a direct replacement of the existing P5 assembly with improvements as directed by the Air Force. This effort will include the delivery of several prototype assemblies and a complete technical data package (TDP) that would support the future procurement of the P5 ADIU and the establishment of organic repair capability as necessary.		

<b>Agency Total</b>	<b>\$99,952,548.39</b>
<b>USU Total</b>	<b>\$0.00</b>
<b>Other Total</b>	<b>\$0.00</b>
<b>Grand Total</b>	<b>\$99,952,548.39</b>

**Utah State University / Division of Sponsored Programs - List of Proposals Over \$1,000,000: 10/01/2016 - 10/31/2016**

Proposal Number	Funding Sponsor/FTE	Prime Sponsor	Department/Unit	College	Principal Investigator	Propos al Type	Function Type	Proposal Status	Proposed	Proposed	Proposal Date (This Action)	Title	Proposed Funding (This Action)
									Start Date (Initial Period)	End Date (Total Period)			
00152666	U.S. National Science Foundation (NSF)		Watershed Sciences	Quinney College of Natural Resources	Charles P Hawkins	New	Research Basic	Pending	2017-05-01	2021-04-30	2016-10-07	Collaborative Research: MSB-FRA: Modeling the determinants of lotic ecosystem biodiversity from local to continental scales and predicting vulnerability to environmental alteration.	\$ 1,302,434.50
00153084	UT Sys. of High. Ed. - Space Dynamics Laboratory (USURF-SDL)	U.S. National Aeronautics & Space Administration (NASA)	Center for Atmospheric & Space Sciences	College of Science	Michael John Taylor	New	Research Basic	Pending	2017-03-01	2024-02-29	2016-10-18	AWE- Atmospheric Waves Experiment	\$ 3,122,870.01
00153175	U.S. National Science Foundation (NSF)		Mechanical & Aerospace Engineering	College of Engineering	Kohel Fujimoto	New	Research Basic	Pending	2017-04-01	2020-03-31	2016-10-18	Track-Before-Define Image Processing Pipeline for Small Targets in a Cluttered Environment	\$ 1,036,322.45
00153379	U.S. National Aeronautics & Space Administration (NASA)		Electrical & Computer Engineering	College of Engineering	Charles M Swenson	New	Research Basic	Pending	2017-06-01	2026-05-31	2016-10-21	EXploring Coupling Ionosphere-Thermosphere Electrodynamics and Dynamics (EXCITED)	\$ 54,986,619.24
00153801	U.S. Dept. of Hlth. and Hum. Svcs. - National Institutes of Health (NIH)		Family Consumer & Human Development	Emma Eccles Jones College of Education & Human Services	Shawn D Whiteman	New	Research Applied	Pending	2017-07-01	2022-06-30	2016-10-31	Sibling Socialization of Alcohol and Drug Use from Early through Late Adolescence	\$ 2,910,015.05
												<b>Totals</b>	<b>\$ 63,358,261.25</b>

6 January 2017

**ITEM FOR ACTION**

**RE:** Contract/Grant Proposals and Awards (November, 2016)

The summary of the Status of Sponsored Program Awards, prepared by our Sponsored Programs Office for November 2016 is submitted for the Trustees' consideration. They have received the appropriate administrative review and approval.

**EXECUTIVE SUMMARY**

The awards for the month of November 2016 amounted to \$9,895,723 versus \$8,659,862 for November 2015.

The comparative graph, "Utah State University Sponsored Program Awards" indicates that through November 2016 cumulative award dollars were lower (-13.4%) from last year for the same time period, with awards totaling \$90,973,376 for FY2017. Scholarships, fellowships and state appropriations for research are not included in either figure.

The value of proposals submitted decreased from \$62,319,478 in November 2015 to \$52,797,404 during November 2016 (-15.3%). The total number of current year proposals (662) is more than FY2016 (606).

**RECOMMENDATION**

The President and Vice President for Research recommend that the Board of Trustees approves the contract and grant status report for November 2016.

**RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES**

WHEREAS, The attached list of contract/grant proposals and awards (November 2016) are recommended by the President and the Vice President for Research to the Board of Trustees:

NOW THEREFORE, BE IT NOW RESOLVED, That the USU Board of Trustees hereby approves the recommendation of the President and the Vice President for Research.

**RESOLUTION APPROVED BY BOARD OF TRUSTEES:**

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Date

**Selected List of Awards Greater than  
\$1,000,000.00 from 11-01-2016 to 11-30-2016**

Filters Applied\*: No Filter

**Award # 1**

Control Number	S00001639	Agency	1,475,000.00
Funding Agency	Misc Federal Sponsors	USU	0.00
Flow Through Agency	Misc Federal Sponsors	Total	1,475,000.00
Department	USURF		
College	USURF		
Admin. Center	USU Research Foundation		
Research Function	Sponsored Research-Applied		
Program Manager(s)	Adam Shelley		
Co-PI(s)			
Period of Performance	04-26-2013 -- 12-31-2018		
Original Award Date	04-26-2013		
Change/Mod Effective Date	11-28-2016		
Program Name	Pelican		
Statement	This is a Space Dynamics Laboratory Proprietary Program.		

**Award # 2**

Control Number	S00002837	Agency	1,317,374.00
Funding Agency	Department of Defense (C)	USU	0.00
Flow Through Agency	Department of Defense (C)	Total	1,317,374.00
Department	USURF		
College	USURF		
Admin. Center	USU Research Foundation		
Research Function	Sponsored Research-Applied		
Program Manager(s)	Amy Secrist		
Co-PI(s)			
Period of Performance	02-09-2016 -- 07-31-2017		
Original Award Date	02-09-2016		
Change/Mod Effective Date	11-01-2016		
Program Name	Bluebird CubeSat Component Study		
Statement	Space Dynamics Laboratory will complete a study of future CubeSat components and how they can advance space exploration.		

**Agency Total 2,792,374.00**

**USU Total 0.00**

**Grand Total 2,792,374.00**

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Prepared: 12-07-2016 15:08

**Utah State University / Division of Sponsored Programs - List of Awards Over \$1,000,000: 11/01/2016 - 11/30/2016**

Award Number	Funding Sponsor/PTE	Prime Sponsor	lead_unit	College	Principal Investigator	Award Action Type	Function Type	Original Award Date	Award Date (This Action)	Title	Awarded Funding (This Action)
200714-00001	UT Department of Workforce Services	U.S. Dept. of Ag. - Food and Nutrition Service (FNS)	Nutrition Dietetics & Food Sciences	College of Agriculture & Applied Sciences	Heidi Reese LeBlanc	New	Other Sponsored Activities	2016-10-01	2016-11-14	Utah Food Sense (SNAP-ED)	\$ 1,421,517.00

## Selected List of Proposals Greater than \$1,000,000.00 from 11-01-2016 to 11-30-2016

Filters Applied\*: No Filter

### Proposal # 1: New

Control Number	S00003135	Agency	\$2,974,647.00
Proposal ID	T00004393 Revision: 0	USU	\$0.00
Funding Agency	Aperture Optical Sciences, Inc.	Other	\$0.00
Department	USURF	Total	\$2,974,647.00
College	USURF		
Research Center	USU Research Foundation		
Research Function	Sponsored Research-Applied		
Program Manager(s)	Trent Newswander		
Co-PI(s)			
Period of Performance	12-05-2016 -- 12-31-2017		
Proposal Date	11-01-2016		
Program Name	Provide Conceptual Optical Telescope Assembly Design		
Statement	The Space Dynamics Laboratory will provide a conceptual design for the optical telescope assembly, develop testing requirements, and generate a proposal for phase II.		

### Proposal # 2: New

Control Number	S00003177	Agency	\$9,846,653.00
Proposal ID	T00004309 Revision: 0	USU	\$0.00
Funding Agency	NASA Jet Propulsion Laboratory	Other	\$0.00
Department	USURF	Total	\$9,846,653.00
College	USURF		
Research Center	USU Research Foundation		
Research Function	Sponsored Research-Applied		
Program Manager(s)	Amy Secrist		
Co-PI(s)			
Period of Performance	02-01-2018 -- 01-31-2023		
Proposal Date	11-03-2016		
Program Name	Global Navigation Satellite System - Polarimetric Radio Occultations (GNSS-PRO)		
Statement	The Space Dynamics Laboratory will provide four 6U SmallSat systems, as well as full assembly, integration, and test services and operations.		

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Prepared: 12-07-2016 14:46



**Proposal # 3: New**

Control Number	S00003205	Agency	\$17,944,366.00
Proposal ID	T00004351 Revision: 0	USU	\$0.00
Funding Agency	Aerospace Corporation	Other	\$0.00
Department	USURF	Total	\$17,944,366.00
College	USURF		
Research Center	USU Research Foundation		
Research Function	Sponsored Research-Applied		
Program Manager(s)	Jed Hancock		
Co-PI(s)			
Period of Performance	06-01-2017 -- 11-30-2021		
Proposal Date	11-15-2016		
Program Name	Geostationary Hosted Observatory for Storm Tracking (GHOST)		
Statement	The Space Dynamics Laboratory will develop the sensor head (including optical system, detectors and cryocooler) and perform instrument integration and test for the Geostationary Hosted Observatory for Storm Tracking (GHOST) payload.		

**Proposal # 4: New**

Control Number	S08002000	Agency	\$1,737,020.63
Proposal ID	T00004369 Revision: 0	USU	\$0.00
Funding Agency	Missile Defense Agency	Other	\$0.00
Department	USURF	Total	\$1,737,020.63
College	USURF		
Research Center	USU Research Foundation		
Research Function	Sponsored Research-Applied		
Program Manager(s)	Bruce Guilmain		
Co-PI(s)			
Period of Performance	11-26-2016 -- 11-25-2018		
Proposal Date	11-04-2016		
Program Name	Missile Defense Agency (MDA) Director of Engineering (DE) Staff Support - Task Order 2		
Statement	The Space Dynamics Laboratory (SDL) will provide technical support to Missile Defense Agency (MDA)/Director for Engineering (DE). SDL will provide non-personal services independent subject matter expertise (SME) to the MDA Command, Control, Communication, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) DE programs.		

<b>Agency Total</b>	<b>\$32,502,686.63</b>
<b>USU Total</b>	<b>\$0.00</b>
<b>Other Total</b>	<b>\$0.00</b>
<b>Grand Total</b>	<b>\$32,502,686.63</b>

## **ITEM FOR ACTION**

**RE:** Delegation/Administrative Reports – 08/26/16 to 10/21/16

Utah State University has been given authority by the Division of Facilities Construction and Management (DFCM) to exercise direct supervision of the design and construction of all alterations, repairs, and improvements to existing facilities on individual projects with budgets of less than \$4 million. The supervision of new construction can also be delegated to USU on a project-by-project basis and can exceed the \$4 million amount. As part of the delegation authority, administrative reports are prepared by USU and presented to the Utah State Building Board at each of its meetings. The monthly format of USU's reports is similar to that of the DFCM's reports presenting professional and construction contracts issued during the reporting period, contingency and project reserves status, and a delegated projects list showing budget and status. On a quarterly basis, additional reports are prepared showing contingency fund cumulative transfers, a summary of the statewide (paving) account, and a construction contract status. The Board of Regents has transferred its authority to review the delegation/ administrative reports to the Board of Trustees.

The reports have received the appropriate administrative review and approval.

## **EXECUTIVE SUMMARY**

The following is a summary of the administrative reports for USU for the period 08/26/2016 to 10/21/2016.

**Professional Contracts, 6 contracts issued** (Page 1)

Comments are provided on the report.

**Construction Contracts, 18 contracts issued** (Pages 2-3)

Comments are provided on the report.

**Report of Contingency Reserve Fund** (Page 4)

Five projects needed funds and one project contributed to the contingency reserve fund during this reporting period. Based on an internal risk assessment, the University finds this fund's balance to be adequate.

**Report of Project Reserve Fund Activity** (Page 5)

One project closed and contributed to the project reserve fund during this reporting period. Based on an internal risk assessment, the University finds this fund's balance to be adequate.

**Current Delegated Projects List** (Pages 6-8)

Of USU's 75 projects, 10 are pending, 12 are in the design/study phase, 36 are in construction, 16 are substantially complete and 1 is complete. The one project that was completed during this period was NFS Mechanical System Phase I.

## **RECOMMENDATION**

The President and Vice President for Business and Finance recommend that the delegation/ administrative reports for the current reporting period be approved as presented.

**RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES**

WHEREAS, The Utah Legislature appropriates state funds through the Division of Facilities Construction and Management to Utah State University for the purpose of capital improvements; and

WHEREAS, The Division of Facilities Construction and Management has delegated its authority to exercise direct supervision of the design and construction of such capital improvements to Utah State University; and

WHEREAS, Non-state funded projects with budgets of less than \$4 million are also delegated to Utah State University; and

WHEREAS, Projects in excess of \$4 million can also be delegated to Utah State University with specific approval of the Utah State Building board; and

WHEREAS, Utah State University presents reports on the status of all its delegated projects to the Utah State Building Board on a regular basis; and

WHEREAS, The State Board of Regents has transferred its authority to review the delegation/administrative reports to the Board of Trustees; and

WHEREAS, The President and Vice President for Business and Finance have reviewed the delegation/administrative reports for the current reporting period and recommend approval of the reports to the Board of Trustees; and

WHEREAS, The Board of Trustees has reviewed and given due consideration to the delegation/administrative reports:

NOW, THEREFORE, BE IT RESOLVED, That the USU Board of Trustees hereby approves the delegation/administrative reports as presented.

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RESOLUTION APPROVED BY THE USU BOARD OF TRUSTEES

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Date



## Professional Contracts Awarded From 08/26/16 to 10/21/16

Project Name	Firm Name	A/E Budget	Fee Amount	Comments
1 FAV Photo Lab Safety Ventilation	Van Boerum & Frank	\$32,190.00	\$32,190.00	Design of FAV exhaust system
2 Planning & Design FY17	Method Studio	\$70,457.00	\$27,750.00	Master planning services for Wuthrich Prop & Water Lab
3 South Farm New Dairy Barn	Cache Landmark Engineering	\$22,578.00	\$20,150.00	Civil design and topo survey
4 Student Living Center Snack Shop	Method Studio	\$15,383.00	\$15,383.00	Design of snack shop
<b>MISCELLANEOUS CONTRACTS</b>				
5 USUE Geary Theatre Bldg Upgs FY16	Sunrise Engineering	\$43,000.00	\$24,880.00	Code and plan review
6 Planning & Design FY17	Skyline A/E/S	\$70,457.00	\$640.00	Sump design at FHD West



## Construction Contracts Awarded From 08/26/16 to 10/21/16

Project	Firm Name	Design Firm	Const Budget	Contract Amt	Comments
1 Roosevelt Ed Ctr Atrium Remodel	Jacobsen Construction	CRSA	\$449,521.00	\$449,000.00	Remodel atrium at Education Center
2 USUE Soccer Fields	Jacobsen Construction	Johansen & Tuttle	\$250,238.00	\$250,238.00	Soccer field work
3 USUE Career Center Upgrades	Jacobsen Construction	Van Boerum & Frank	\$730,734.00	\$99,554.00	Controls upgrade
4 Access Control FY17	USU Facilities Operations	USU Facilities Planning and Design	\$72,795.00	\$30,788.00	HR access control
5 Hydraulics Lab Landscape FY17	Spindler Construction	Design West	\$82,192.00	\$14,990.00	Demolition of shed
6 Medium Voltage Upg FY16	NEI Elec. Power Engineering	Spectrum Engineers	\$1,039,615.00	\$6,770.00	Test switches and plates
<b>MISCELLANEOUS CONTRACTS</b>					
7 Medium Voltage Upg FY16	Codale Electric Supply		\$1,039,615.00	\$10,300.00	Transformer
8 USUE Career Center Upgrades	Eagle Environmental		\$730,734.00	\$4,090.00	Abatement of carpet and floor tile
9 Health, LS, Code Asbestos FY16	Eagle Environmental		\$184,860.00	\$3,561.00	Abatement of floor tile in Military Science
10 N Core Utility Repl/Tunnel Exp	Eagle Environmental		\$41,202.00	\$2,925.00	Disposal of transite pipe
11 N Core Utility Repl/Tunnel Exp	Eagle Environmental		\$41,202.00	\$2,248.00	Abatement of transite pipe
12 Romney Stadium Scoreboard 2015	Cache Valley Electric		\$2,622,491.00	\$1,700.00	Conduit repair
13 Health, LS, Code Asbestos FY16	Thermal West Industrial		\$184,860.00	\$1,582.00	Pipe insulation in NFS ice cream area
14 Health, LS, Code Asbestos FY16	Eagle Environmental		\$184,860.00	\$795.00	Abate fume hood from HPER lab
15 Health, LS, Code Asbestos FY16	Eagle Environmental		\$184,860.00	\$658.00	Abatement of mud pipes from Facilities 110A



### Construction Contracts Awarded From 08/26/16 to 10/21/16

Project	Firm Name	Design Firm	Const Budget	Contract Amt	Comments
16 Health, LS, Code Asbestos FY16	Eagle Environmental		\$184,860.00	\$429.00	Remove mud pipe fittings from BNR 240
17 Misc Critical Improvements FY14	Whitaker Construction Company		\$236,090.00	\$332.00	Welding work
18 Health, LS, Code Asbestos FY16	Dixon Information		\$184,860.00	\$75.00	Samples from Geology 101

## Report of Contingency Reserve Fund From 08/26/16 to 10/21/16

Project Title	Current Transfers	Total Transfers To (From) Contingency	% to Construction Budget	Project Status	% Completed (Paid)
<b>BEGINNING BALANCE</b>	<b>\$767,482.80</b>				
<b>INCREASES TO CONTINGENCY RESERVE FUND</b>					
USUE Geary Theatre Upgrade FY17	168,916.00	168,916.00	8.56%	New Project	
<b>DECREASES FROM CONTINGENCY RESERVE FUND</b>					
<b>North Core Utilities Replacement and Tunnel Expansion</b> (waterproof tunnel, abatement, concrete & structural testing, gas line, junction overflow drains, tunnel hatch, water line valve )	(40,802.00)	(88,502.34)	3.80%	Construction	54.42%
<b>South Farm Fire Lane/Hydrants FY16</b> (water line extension)	(23,835.10)	(28,131.10)	14.49%	Construction	54.95%
<b>Old Main Reroof-Center Section</b> (replacement of damaged plywood)	(5,275.04)	(29,775.04)	4.23%	Construction	99.76%
<b>Old Main Fire Alarm Upg FY16</b> (additional equipment)	(3,710.57)	(3,710.57)	0.92%	Construction	85.41%
<b>Medium Voltage Upg FY16</b> (relocate sewer line, add tunnel vent hatch)	(2,311.28)	(42,297.78)	4.48%	Construction	46.56%
<b>ENDING BALANCE</b>	<b>\$860,464.81</b>				



**Report of Project Reserve Fund Activity  
From 08/26/16 to 10/21/16**

Project Title	Transfer Amount	Description	% of Construction Budget
<b>BEGINNING BALANCE</b>	<b>\$294,041.70</b>		
<b>INCREASES TO PROJECT RESERVE FUND</b> NFS Mechanical System Phase I	1,925.43	Close Project	0.29%
<b>DECREASES TO PROJECT RESERVE FUND</b> NONE			
<b>ENDING BALANCE</b>	<b>\$295,967.13</b>		





## Current Delegated Projects List 10/21/2016

Project Number	Project Name	Phase	Project Budget
<b>CAPITAL DEVELOPMENT/IMPROVEMENT</b>			
A27147	Campus-wide Bike Racks FY13	Sub Completion	54,074
A28999	Building Commissioning FY14	Commissioning	196,296
A29001	Classroom/Auditorium Upgrades FY14	Sub Completion	308,965
A29004	Emergency Generator FY14	Construction	250,000
A29006	Medium Voltage Upgrades FY14	Sub Completion	369,939
A29007	Misc Critical Improvements FY14	Sub Completion	249,979
A29010	Parking Lot Paving FY14	Sub Completion	907,875
A31321	Classroom/Auditorium Upgrade FY15	Construction	276,045
A31322	Concrete Replacement FY15	Sub Completion	310,403
A31324	Elevator Upgrades FY15	Sub Completion	452,097
A31325	Emergency Generator FY15	Pending	229,872
A31328	HVAC Controls Upgrade FY15	Pending	228,311
A31329	Medium Voltage Upgrade FY15	Construction	460,460
A31330	Morgan Theater Upgrade	Sub Completion	1,597,496
A31333	Planning and Design FY15	Design/Study	175,075
A31334	Sign System FY15	Construction	47,193
A31335	Site & Safety Lighting	Construction	322,525
A33654	Romney Stadium Scoreboard	Construction	2,700,000
A34107	Kaysville Building Addition	Design	3,544,315
A34282	Access Control FY16	Sub Completion	54,795
A34283	Chilled Water Infrastructure FY16	Construction	351,002
A34284	Classroom/Auditorium Upgrades FY16	Construction	275,847
A34285	Concrete Replacement FY16	Sub Completion	243,096
A34287	Health, LS, Code, Asbestos FY16	Construction	192,360
A34290	Medium Voltage Upgrades FY16	Construction	1,132,804

A34291	NFS Mechanical System Phase I	Complete	797,423
A34292	Old Main Fire Alarm Upgrades FY16	Construction	441,288
A34294	Planning and Design FY16	Design/Study	129,790
A34295	RBW/Family Life Chilled Water Piping	Construction	834,482
A34296	South Farm Fire Lane/Hydrants FY16	Construction	300,238
A34297	Spectrum Emergency Lighting Upgrade	Construction	252,505
A34298	UBC Infrastructure Improvements	Construction	1,158,887
A34299	Univ Inn/Widstoe Steam Line Replacement	Design	75,000
A34300	VCT Tile Replacement in Hallways	Construction	328,890
A34301	Vet Science Electrical Upgrade FY16	Design	98,753
A34468	Roosevelt Ed Ctr Aggie Station Remodel	Design	51,770
A35181	Living Learning Center Parking Garage Vestibules	Sub Completion	103,824
A35463	Spectrum ADA Seating	Construction	31,090
A35569	Townhouse Stucco Proj Bldg 3	Pending	139,470
A35676	Merrill Cazier Lib Testing Ctr	Construction	2,108,650
A35677	PDP Air Handling Units	Design	340,000
A35868	Summit Hall Remodel	Sub Completion	1,202,845
A35971	PDP Refreshment	Design	691,570
A35997	NE Auxiliary Tunnel Extension	Sub Completion	480,836
A36118	Utility Meter Upgrades FY16	Pending	91,500
A36189	Gymnastics Room Relocation	Construction	466,559
A36353	Track Resurfacing and Remodel	Construction	426,682
A36388	North Core Utilities Replacement & Tunnel Expansion	Construction	3,591,015
A36466	BNR Roadway Replacement	Construction	321,221
A36467	Old Main Reroof-Center Section	Construction	766,381
A36468	Hydraulics Lab Landscape FY17	Construction	92,192
A36469	Medium Voltage Upgrades FY17	Pending	1,222,100
A36734	Classroom Upgrades FY17	Pending	275,847
A36735	Concrete Replacement FY17	Construction	300,023
A36736	Bike Racks/Site Furn FY17	Construction	45,662
A36737	Access Control FY17	Construction	72,795
A36738	Health, LS, Code, Asbestos FY17	Pending	137,637
A36739	E Stadium Restroom Reroof	Sub Completion	50,866
A36740	FAV Photo Lab Safety Ventilation	Design	367,000

A36741	Planning & Design FY17	Design	70,457
A36742	Univ Inn to Widstoe Steamline-Construction	Pending	788,400
A37078	FAV 210/215 Remodel Phase II	Construction	151,007
A37174	Motor Pool East Parking Lot	Construction	243,478
A37302	South Farm New Dairy Barn	Design	1,237,688
A37303	South Farm Ram/Buck Barn	Construction	105,300
A37304	Facilities FM Suite Remodel	Construction	387,880
A37631	Student Living Center Snack Shop (NEW PROJECT)	Design	213,530
A37673	Huntsman Library Huntsman Hall (NEW PROJECT)	Pending	175,800
A37740	Roosevelt Ed Ctr Atrium Remodel (NEW PROJECT)	Construction	565,680
C11368	USUE Mechanical/Lighting upgrade	Sub Completion	877,397
C11461	USUE Infrastructure/Automation Upgrade	Sub Completion	461,857
C11508	USUE Career Center Upgrades	Construction	834,234
C11614	USUE Blanding Campus Mechanical FY16	Pending	45,662
C11615	USUE Geary Theatre Bldg Upgrades FY16	Construction	4,323,870
C11709	USUE Soccer Fields	Construction	316,553
<b>TOTAL (75)</b>			<u><u>\$43,524,407</u></u>

## **ITEM FOR ACTION**

**RE:** Delegation/Administrative Reports – 10/21/16 to 11/25/16

Utah State University has been given authority by the Division of Facilities Construction and Management (DFCM) to exercise direct supervision of the design and construction of all alterations, repairs, and improvements to existing facilities on individual projects with budgets of less than \$4 million. The supervision of new construction can also be delegated to USU on a project-by-project basis and can exceed the \$4 million amount. As part of the delegation authority, administrative reports are prepared by USU and presented to the Utah State Building Board at each of its meetings. The monthly format of USU's reports is similar to that of the DFCM's reports presenting professional and construction contracts issued during the reporting period, contingency and project reserves status, and a delegated projects list showing budget and status. On a quarterly basis, additional reports are prepared showing contingency fund cumulative transfers, a summary of the statewide (paving) account, and a construction contract status. The Board of Regents has transferred its authority to review the delegation/ administrative reports to the Board of Trustees.

The reports have received the appropriate administrative review and approval.

## **EXECUTIVE SUMMARY**

The following is a summary of the administrative reports for USU for the period 10/21/16 to 11/25/16.

**Professional Contracts, 3 contracts issued** (Page 1)

Comments are provided on the report.

**Construction Contracts, 6 contracts issued** (Pages 2)

Comments are provided on the report.

**Report of Contingency Reserve Fund** (Page 3)

Four projects needed funds and one project contributed to the contingency reserve fund during this reporting period. Based on an internal risk assessment, the University finds this fund's balance to be adequate.

**Report of Project Reserve Fund Activity** (Page 4)

No projects contributed to or needed funds from the project reserve fund during this reporting period. Based on an internal risk assessment, the University finds this fund's balance to be adequate.

**Current Delegated Projects List** (Pages 5-7)

Of USU's 75 projects, 9 are pending, 13 are in the design/study phase, 29 are in construction, 23 are substantially complete and 1 is complete. The one project that was completed during this period was Spectrum ADA Seating.

## **RECOMMENDATION**

The President and Vice President for Business and Finance recommend that the delegation/ administrative reports for the current reporting period be approved as presented.

**RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES**

WHEREAS, The Utah Legislature appropriates state funds through the Division of Facilities Construction and Management to Utah State University for the purpose of capital improvements; and

WHEREAS, The Division of Facilities Construction and Management has delegated its authority to exercise direct supervision of the design and construction of such capital improvements to Utah State University; and

WHEREAS, Non-state funded projects with budgets of less than \$4 million are also delegated to Utah State University; and

WHEREAS, Projects in excess of \$4 million can also be delegated to Utah State University with specific approval of the Utah State Building board; and

WHEREAS, Utah State University presents reports on the status of all its delegated projects to the Utah State Building Board on a regular basis; and

WHEREAS, The State Board of Regents has transferred its authority to review the delegation/administrative reports to the Board of Trustees; and

WHEREAS, The President and Vice President for Business and Finance have reviewed the delegation/administrative reports for the current reporting period and recommend approval of the reports to the Board of Trustees; and

WHEREAS, The Board of Trustees has reviewed and given due consideration to the delegation/administrative reports:

NOW, THEREFORE, BE IT RESOLVED, That the USU Board of Trustees hereby approves the delegation/administrative reports as presented.

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RESOLUTION APPROVED BY THE USU BOARD OF TRUSTEES

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Date



## Professional Contracts Awarded From 10/21/16 to 11/25/16

Project Name	Firm Name	A/E Budget	Fee Amount	Comments
1 Kaysville Building Addition	Intertek Architectural Testing	\$40,565.00	\$16,700.00	Building envelope commissioning
2 Planning & Design FY17	CRS Engineers	\$70,456.66	\$2,600.00	Survey and drainage plan
<b>MISCELLANEOUS CONTRACTS</b>				
3 Health, LS, Code Asbestos FY16	Dixon Information	\$184,860.00	\$75.00	Bulk samples



## Construction Contracts Awarded From 10/21/16 to 11/25/16

Project	Firm Name	Design Firm	Const Budget	Contract Amt	Comments
1 Huntsman Library Huntsman Hall	Gramoll Construction	USU Facilities Planning and Design	\$150,000.00	\$150,000.00	CMGC /Construction Contract
2 Building Commissioning FY14	USU Facilities Operations	USU Facilities Planning and Design	\$185,185.00	\$22,221.00	Controls upg for BNR north air handlers
3 Classroom Auditorium Upg FY15	USU Facilities Operations	USU Facilities Planning and Design	\$246,025.00	\$4,901.00	Build classroom consoles
<b>MISCELLANEOUS CONTRACTS</b>					
4 USUE Geary Theatre Bldg Upgs FY16	Eagle Environmental		\$157,332.00	\$157,198.00	Abatement of ceiling, pipes, mastic, insulation and roof
5 Health, LS, Code Asbestos FY16	Eagle Environmental		\$184,860.00	\$5,794.00	Abatement of HPER Mechanical Room 125
6 UBC Infrastructure Improvements	Lakeview Rock Products		\$1,070,867.00	\$766.00	Commercial road base

## Report of Contingency Reserve Fund From 10/21/16 to 11/25/16

Project Title	Current Transfers	Total Transfers To (From) Contingency	% to Construction Budget	Project Status	% Completed (Paid)
<b>BEGINNING BALANCE</b>	<b>\$860,464.81</b>				
<b>INCREASES TO CONTINGENCY RESERVE FUND</b>					
PDP Air Handling Units	27,940.00	27,940.00	9.73%	Design	
<b>DECREASES FROM CONTINGENCY RESERVE FUND</b>					
<b>PDP Air Handling Units</b> (change in scope of design work)	(11,890.00)	(11,890.00)	4.14%	Design	80.00%
<b>BNR Roadway Replacement</b> (concrete collars, replace stairs, plaster and paint curbs)	(8,705.02)	(8,705.02)	2.80%	Construction	62.09%
<b>Old Main Fire Alarm Upg FY16</b> (mechanical and electrical changes)	(6,296.00)	(10,006.57)	2.47%	Construction	92.73%
<b>RBW/Family Life Chilled Water Piping</b> (waterproof tunnel, LED lights)	(7,228.80)	(54,792.68)	7.82%	Construction	84.24%
<b>ENDING BALANCE</b>	<b>\$854,284.99</b>				





**Report of Project Reserve Fund Activity  
From 10/21/16 to 11/25/16**

Project Title	Transfer Amount	Description	% of Construction Budget
<b>BEGINNING BALANCE</b>	<b>\$295,967.13</b>		
<b>INCREASES TO PROJECT RESERVE FUND</b> NONE			
<b>DECREASES TO PROJECT RESERVE FUND</b> NONE			
<b>ENDING BALANCE</b>	<b>\$295,967.13</b>		



## Current Delegated Projects List 11/25/2016

Project Number	Project Name	Phase	Project Budget
<b>CAPITAL DEVELOPMENT/IMPROVEMENT</b>			
A27147	Campus-wide Bike Racks FY13	Sub Completion	54,074
A28999	Building Commissioning FY14	Commissioning	196,296
A29001	Classroom/Auditorium Upgrades FY14	Sub Completion	308,965
A29004	Emergency Generator FY14	Sub Completion	250,000
A29006	Medium Voltage Upgrade FY14	Sub Completion	369,939
A29007	Misc Critical Improvements FY14	Sub Completion	249,979
A29010	Parking Lot Paving FY14	Sub Completion	907,875
A31321	Classroom/Auditorium Upgrade FY15	Construction	276,045
A31322	Concrete Replacement FY15	Sub Completion	310,403
A31324	Elevator Upgrades FY15	Sub Completion	452,097
A31325	Emergency Generator FY15	Pending	229,872
A31328	HVAC Controls Upgrade FY15	Pending	228,311
A31329	Medium Voltage Upgrade FY15	Sub Completion	460,460
A31330	Morgan Theater Upgrade	Sub Completion	1,597,496
A31333	Planning and Design FY15	Design/Study	175,075
A31334	Sign System FY15	Construction	47,193
A31335	Site & Safety Lighting	Construction	322,525
A33654	Romney Stadium Scoreboard	Construction	2,700,000
A34107	Kaysville Building Addition	Design	3,548,115
A34282	Access Control FY16	Sub Completion	54,795
A34283	Chilled Water Infrastructure FY16	Construction	351,002
A34284	Classroom/Auditorium Upgrades FY16	Construction	275,847
A34285	Concrete Replacement FY16	Sub Completion	243,096
A34287	Health, LS, Code, Asbestos FY16	Construction	192,360
A34290	Medium Voltage Upgrade FY16	Construction	1,132,804

A34292	Old Main Fire Alarm Upgrades FY16	Sub Completion	447,584
A34294	Planning and Design FY16	Design/Study	129,790
A34295	RBW/Family Life Chilled Water Piping	Construction	841,711
A34296	South Farm Fire Lane/Hydrants FY16	Construction	300,238
A34297	Spectrum Emergency Lighting Upgrade	Sub Completion	252,505
A34298	UBC Infrastructure Improvements	Construction	1,158,887
A34299	Univ Inn/Widstoe Steam Line Replacement	Design	75,000
A34300	VCT Tile Replacement in Hallways	Construction	328,890
A34301	Vet Science Electrical Upgrade FY16	Design	98,753
A34468	Roosevelt Ed Ctr Aggie Station Remodel	Design	51,770
A35181	Living Learning Center Parking Garage Vestibules	Sub Completion	103,824
A35463	Spectrum ADA Seating	Complete	25,501
A35569	Townhouse Stucco Proj Bldg 3	Pending	139,470
A35676	Merrill Cazier Lib Testing Ctr	Construction	2,108,650
A35677	PDP Air Handling Units	Design	323,950
A35868	Summit Hall Remodel	Sub Completion	1,202,845
A35971	PDP Refreshment	Design	691,570
A35997	NE Auxiliary Tunnel Extension	Sub Completion	480,836
A36118	Utility Meter Upgrades FY16	Pending	91,500
A36189	Gymnastics Room Relocation	Sub Completion	466,559
A36353	Track Resurfacing and Remodel	Sub Completion	437,065
A36388	North Core Utilities Replacement & Tunnel Expansion	Construction	3,591,015
A36466	BNR Roadway Replacement	Construction	329,926
A36467	Old Main Reroof-Center Section	Construction	766,381
A36468	Hydraulics Lab Landscape FY17	Construction	92,192
A36469	Medium Voltage Upgrade FY17	Pending	1,222,100
A36734	Classroom Upgrades FY17	Pending	275,847
A36735	Concrete Replacement FY17	Construction	300,023
A36736	Bike Racks/Site Furn FY17	Construction	45,662
A36737	Access Control FY17	Construction	72,795
A36738	Health, LS, Code, Asbestos FY17	Pending	137,637
A36739	E Stadium Restroom Reroof	Sub Completion	50,866
A36740	FAV Photo Lab Safety Ventilation	Design	367,000
A36741	Planning & Design FY17	Design	70,457

A36742	Univ Inn to Widstoe Steamline-Construction	Pending	788,400
A37078	FAV 210/215 Remodel Phase II	Sub Completion	151,007
A37174	Motor Pool East Parking Lot	Construction	243,478
A37302	South Farm New Dairy Barn	Design	1,237,688
A37303	South Farm Ram/Buck Barn	Construction	105,300
A37304	Facilities FM Suite Remodel	Construction	387,880
A37631	Student Living Center Snack Shop	Design	213,530
A37673	Huntsman Library Huntsman Hall	Construction	175,800
A37740	Roosevelt Ed Ctr Atrium Remodel	Construction	565,680
A38008	Blue Square Parking Expansion (NEW PROJECT)	Design	546,244
C11368	USUE Mechanical/Lighting upgrade	Sub Completion	877,397
C11461	USUE Infrastructure/Automation Upgrade	Sub Completion	461,857
C11508	USUE Career Center Upgrades	Construction	834,234
C11614	USUE Blanding Campus Mechanical FY16	Pending	45,662
C11615	USUE Geary Theatre Bldg Upgrades FY16	Construction	3,923,870
C11709	USUE Soccer Fields	Construction	316,553
<b>TOTAL (75)</b>			<u><u>\$42,888,003</u></u>

06 January 2017

**ITEM FOR ACTION**

**RE:** Faculty and Staff Adjustments

The attached faculty and staff adjustments are submitted for the Trustees consideration. They have received the appropriate administrative review and approval.

**EXECUTIVE SUMMARY**

The faculty and staff adjustments include five (5) changes in title or assignment; and two (2) new appointments.

**RECOMMENDATION**

The President and Provost recommend that the Board of Trustees approve the attached faculty and staff adjustments.

**RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES**

WHEREAS, The President and the Provost recommend that the Board of Trustees approve five (5) changes in title or assignment; and two (2) new appointments.

NOW, THEREFORE, BE IT RESOLVED, That the USU Board of Trustees hereby approve the recommendation of the faculty and staff adjustments.

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RESOLUTION APPROVED BY THE USU BOARD OF TRUSTEES:

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Date

## **Faculty and Staff Adjustments**

### **a. Change in Title or Assignment**

#### **Office of the Executive Vice President and Provost**

Laurens H. Smith, Executive Senior Vice Provost and Professor, Department of Biology, College of Science, to be Interim Provost and Professor of the same; effective 01 January 2017; replacing Noelle E. Cockett. Change in salary to \$210,000.

Edward M. Reeve, Professor, School of Applied Sciences, Technology and Education, College of Agriculture and Applied Sciences, to also be Interim Vice Provost, Office of the Provost; effective 01 January 2017; replacing Laurens H. Smith. Change in salary to \$135,000.

Richard C. Etchberger, Professor, Department of Wildland Resources, S.J. & Jessie E. Quinney College of Natural Resources, to also be Vice Provost, Office of the Provost; effective 01 January 2017; replacing David R. Woolstenhulme. Change in salary to \$156,000.

#### **University Extension**

Justen O. Smith, County Director and Extension Associate Professor, Northern Region, University Extension to be Interim Regional Director and Extension Associate Professor of the same; effective 01 December 2016; replacing Diane J. Reese. Change in salary to \$76,889.

#### **USU Eastern**

Gary S. Straquadine, Associate Head and Professor, School of Applied Sciences, Technology and Education, College of Agriculture and Applied Sciences, and Vice Provost, Office of the Provost, to be Vice Chancellor, USU Eastern, Vice Provost, Office of the Provost, and Professor; effective 01 January 2017; replacing Peter A. Iyere. Change in salary to \$163,120.

### **b. New Appointments**

#### **College of Humanities and Social Sciences**

Susan R. Grayzel, Professor with tenure, Department of History, College of Humanities and Social Sciences; effective 01 August 2017. B.A. University of Calgary, 1985; M.S. University of British Columbia, 1987; Ph.D. University of Texas at Austin, 1995. Salary to be \$105,000/9-months.

#### **University Libraries**

Todd Welch, Associate Dean and Associate Librarian with tenure, Special Collections and Archives, University Libraries; effective 19 December 2016. B.S. Portland State University, 1989; M.A. Western Washington University, 1995; M.A. The University of Arizona, 2007. Salary to be \$92,000/12-months.

6 January 2017

**ITEM FOR ACTION**

**RE:** Honorary Degrees for 2017

**EXECUTIVE SUMMARY**

The Honorary Degrees and Awards Screening Committee has completed its work and recommends to the Board of Trustees names of individuals to receive Honorary Degrees for 2017. When the individuals are approved, the administration will contact them for availability and acceptance.

**RECOMMENDATION**

The Honorary Degrees and Awards Screening Committee recommends approval by the Board of Trustees the names of individuals to receive 2017 Honorary Degrees.



**RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES**

WHEREAS, The Honorary Degrees and Awards Screening Committee recommends to the Board of Trustees names of individuals to receive 2017 Honorary Degrees; and

WHEREAS, The administration will need to contact the selected individuals to determine availability and acceptance before names are made public;

NOW, THEREFORE, BE IT RESOLVED, That the USU Board of Trustees hereby approves the names and authorizes the administration to contact these individuals.

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RESOLUTION APPROVED BY THE USU BOARD OF TRUSTEES:

\_\_\_\_\_  
Date

**ITEM FOR ACTION**

**RE: Report of Investments for July 2016**

The Report of Investments for July 2016 is submitted to the Board of Trustees for consideration. It has received the appropriate administrative review and approval.

**EXECUTIVE SUMMARY**

This set of investment reports presents investment activity for July 2016 and comparative year-to-date totals for FY 2016-2017 and FY 2015-2016.

**CASH MANAGEMENT INVESTMENT POOL**

The average daily fair value invested during July 2016 was \$283,840,766 up \$11,476,625 over June 2016. Total investment income was \$665,585, down \$310,093 from June 2016, reflecting the increase in the amount available for investing and a decrease in total investment return. The annualized total investment return was 2.81%, down 1.48% from June 2016.

Year-to-date numbers show that the average daily fair value invested for FY 2016-2017 was \$283,480,766, down \$13,582,916 (4.57%) from FY 2015-2016. Total interest income for FY 2016-2017 amounted to \$391,062, down \$59,993 (13.30%) from FY 2015-2016, reflecting a decrease in the amount available for investing and a decrease in interest rates.

The total amount invested at 31 July 2016 was \$298,398,955, up \$2,186,231 (0.74%) over/from 31 July 2015.

**ENDOWMENT POOL**

The average daily fair value invested during July 2016 was \$ 138,020,193, down \$11,327,221 from June 2016. Interest and dividend income of \$88,573 minus net realized losses of \$5,861 totaled \$82,712 in realized income for the month.

Year-to-date numbers show that the average daily fair value invested for FY 2016-2017 was \$138,020,193, down \$2,362,244 (1.68%) from FY 2015-2016. Total realized income for FY 2016-2017 was \$82,712, down \$255,869 (75.57%) from FY 2015-2016. This decrease resulted from \$258,851 less in interest and dividends and \$2,982 less net realized losses during FY 2016-2017.

The total amount invested at 31 July 2016 was \$147,735,262, up \$7,088,245 (5.04%) over 31 July 2015.

## OTHER INVESTMENTS

The average daily fair value invested during July 2016 was \$98,719,624, up \$1,438,687 over June 2016. Interest and dividend income of \$277,650 plus net realized gains of \$2,912 totaled \$280,562 in realized income for the month.

Year-to-date numbers show that the average daily fair value invested for FY 2016-2017 was \$98,719,624, up \$12,876,495 (15.00%) over FY 2015-2016. Total realized income for FY 2016-2017 was \$280,562, down \$91,854 (24.66%) from FY 2015-2016. This decrease resulted from \$91,613 less in interest and dividend income and \$241 less in net realized gains during FY 2016-2017.

The total amount invested at 31 July 2016 was \$99,611,551, up \$13,450,666 (15.61%) over 31 July 2015.

## ENDOWMENT TRUSTS

The average daily fair value invested during July 2016 was \$5,660,786 up \$79,851 over June 2016. Interest and dividend income of \$21,997 plus net realized gains of \$25,295 totaled \$47,292 in realized income for the month.

Year-to-date numbers show that the average daily fair value invested for FY 2016-2017 was \$5,660,786, down \$473,418 (7.72%) from FY 2015-2016. Total realized income for FY 2016-2017 was \$47,292, down \$12,132 (20.42%) from FY 2015-2016. This decrease resulted from \$1,702 less interest and dividend income and \$10,430 less net realized gains during FY 2015-2016.

The total amount invested at 31 July 2016 was \$5,715,075, down \$390,142 (6.39%) from 31 July 2015.

## PLANT FUND TRUSTS

The average daily fair value invested during July 2016 was \$68,833,357, up \$1,029,499 over June 2016. Interest income totaled \$53,567 in realized income for the month.

Year-to-date numbers show that the average daily fair value invested for FY 2016-2017 was \$68,833,357, up \$31,117,014 (82.50%) over FY 2015-2016. Total realized income for FY 2016-2017 was \$53,567, up \$25,861 (93.34%) over FY 2015-2016. This increase reflects the increased amount available for investing and an increase in the rate of return.

The total amount invested at 31 July 2016 was \$65,870,144, up \$21,968,958 (50.04%) over 31 July 2015.

## SUMMARY OF INVESTMENT TRANSACTIONS

The University's average daily fair value invested for the month of July was \$595,074,726. Purchases totaled \$112,413,633 and sales totaled \$75,580,214. From this activity the University realized net gains of \$22,346 and earnings of \$832,849.

## RECOMMENDATION

The President and Vice President for Business and Finance recommend that the Board of Trustees approve the Report of Investments for July 2016.

**RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES**

WHEREAS, The attached Report of Investments containing authorized transactions, documentation, and supporting papers has been filed for review by the Board of Trustees pertaining to the investment activities; and

WHEREAS, The investment transactions listed on the attached Report of Investments have been approved by the USU Controller's Office; and

WHEREAS, The investment activities listed on the attached Report of Investments are in accordance with the Utah State Money Management Act, the rules of the Utah State Money Management Council, the Utah State Uniform Prudent Management of Institutional Funds Act, and the laws and rules of Utah State University and the State of Utah; and

WHEREAS, The Chief Financial Officer for Utah State University, David T. Cowley, Vice President for Business and Finance, has certified to the best of his knowledge and belief all investment transactions listed on the attached Report of Investments were made in accordance with the guidelines, rules, and laws; and

WHEREAS, Vice President Cowley requests approval of the attached Report of Investments for the period 1 July 2016 to 31 July 2016 and comparative year-to-date totals for the periods 1 July 2016 to 31 July 2016 and 1 July 2015 to 31 July 2015; and

WHEREAS, The President of Utah State University has reviewed the attached report and recommends its approval by the Utah State University Board of Trustees; and

WHEREAS, The USU Board of Trustees has reviewed and given due consideration, review, and authorization of the investment transactions listed on the attached Report of Investments for the period 1 July 2016 to 31 July 2016 and comparative year-to-date totals for the periods 1 July 2016 to 31 July 2016 and 1 July 2015 to 31 July 2015;

NOW, THEREFORE, BE IT RESOLVED, That the USU Board of Trustees hereby approves the attached Report of Investments as presented and ratifies the transactions listed on said Report of Investments for July 2016.

=====  
RESOLUTION APPROVED BY THE USU BOARD OF TRUSTEES:

\_\_\_\_\_  
Date

UTAH STATE UNIVERSITY  
REPORT OF INVESTMENTS  
JULY 2016

The following schedules (A through E2) provide a report of the University's Investments. To the best of my knowledge, Utah State University is in compliance with the Utah State Money Management Act and the rules of the Utah State Money Management Council and the Utah State Uniform Prudent Management of Institutional Funds Act.




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Danford R. Christensen  
Controller

12-5-16

Date



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David T. Cowley  
Vice President for Business and Finance

12/7/16  
Date

UTAH STATE UNIVERSITY  
 CASH MANAGEMENT INVESTMENT POOL  
 SUMMARY REPORT OF INVESTMENTS AND INVESTMENT INCOME

Schedule A-1

	Beginning Fair Value	Purchases	Sales Proceeds	Change in Fair Value	Ending Fair Value	Average Daily Fair Value	Total Interest Income	Less Service Charges	Net Interest Income
Jul 2016	\$259,491,304	\$60,178,583	\$21,545,455	\$274,523	\$298,398,955	\$283,840,766	\$391,062	\$5,160	\$385,902
Aug 2016									
Sep 2016									
Oct 2016									
Nov 2016									
Dec 2016									
Jan 2017									
Feb 2017									
Mar 2017									
Apr 2017									
May 2017									
Jun 2017									

Comparative Totals:

Year-to-date									
FY 2016-17	\$259,491,304	\$60,178,583	\$21,545,455	\$274,523	\$298,398,955	\$283,840,766	\$391,062	\$5,160	\$385,902
FY 2015-16	294,364,021	14,946,300	14,000,000	902,403	296,212,724	297,423,682	451,055	1,929	449,126
Amt Change					2,186,231	(13,582,916)	(59,993)	3,231	(63,224)
% Change					0.74%	-4.57%	-13.30%	167.50%	-14.08%

Note: The Cash Management Investment Pool includes cash of all funds over estimated daily operating requirements.

UTAH STATE UNIVERSITY  
 CASH MANAGEMENT INVESTMENT POOL  
 SUMMARY OF INVESTMENT TRANSACTIONS AND PERFORMANCE  
 For the Month of July 2016

Schedule A-2

	Purchases	Sales		Earnings	Change in Fair Value	Total Investment Income	Average Daily Fair Value	Annualized Total Investment Return
		Cost	Receipts					
Money Market Account				\$4,815		\$4,815	\$7,100,000	0.81%
Utah Public Treasurers' Investment Fund	\$15,000,000			19,640		19,640	24,519,355	0.96%
Commercial Paper and Corporate Notes	35,178,583	\$5,000,000	\$5,000,000	231,414	\$279,867	511,281	190,375,554	3.22%
Obligations of U. S. Government	10,000,000	16,545,455	16,545,455	98,192	7,175	105,367	50,535,557	2.50%
Municipal Bonds				37,001	(12,519)	24,482	11,310,300	2.60%
Total	<u>\$60,178,583</u>	<u>\$21,545,455</u>	<u>\$21,545,455</u>	<u>\$391,062</u>	<u>\$274,523</u>	<u>\$665,585</u>	<u>\$283,840,766</u>	2.81%



UTAH STATE UNIVERSITY  
SUMMARY OF CASH MANAGEMENT INVESTMENT POOL TRANSACTIONS  
For the Month of July 2016

Schedule A-3

	Purchases		Sales			Earnings
	Shares	Cost	Shares	Cost	Receipts	
<u>Cash Management Investment Pool</u>						
Money Market Account						\$4,815
Utah Public Treasurers' Investment Fund		\$15,000,000				19,640
Commercial Paper & Corporate Notes		35,178,583		\$5,000,000	\$5,000,000	\$0
Obligations of U. S. Government		10,000,000		16,545,455	16,545,455	0
Municipal Bonds						37,001
Total Cash Management Investment Pool		<u>\$60,178,583</u>		<u>\$21,545,455</u>	<u>\$21,545,455</u>	<u>\$0</u>
						<u>\$391,062</u>

UTAH STATE UNIVERSITY  
 ENDOWMENT POOL  
 SUMMARY REPORT OF INVESTMENTS AND INVESTMENT INCOME

Schedule B-1

	Beginning Fair Value	Purchases	Sales Proceeds	Change in Fair Value	Ending Fair Value	Average Daily Fair Value	Total Interest and Dividends	Realized Gain or (Loss)	Total Realized Income	Less Expenses	Net Realized Income/(Loss)
*Jul 2016	\$128,305,123	\$3,380,132	\$3,291,558	\$19,341,565	\$147,735,262	\$138,020,193	\$88,573	(\$5,861)	\$82,712		\$82,712
Aug 2016											
Sep 2016											
Oct 2016											
Nov 2016											
Dec 2016											
Jan 2017											
Feb 2017											
Mar 2017											
Apr 2017											
May 2017											
Jun 2017											
<hr/> <hr/>											
Comparative Totals:											
Year-to-date											
FY 2016-17	\$128,305,123	\$3,380,132	\$3,291,558	\$19,341,565	\$147,735,262	\$138,020,193	\$88,573	(\$5,861)	\$82,712	\$0	\$82,712
FY 2015-16	140,117,856	2,520,525	2,173,100	181,736	140,647,017	140,382,437	347,424	(8,843)	338,581	0	338,581
Amt Change					7,088,245	(2,362,244)	(258,851)	2,982	(255,869)	0	(255,869)
% Change					5.04%	-1.68%	-74.51%	33.72%	-75.57%	0.00%	-75.57%

Note: The Endowment Pool includes endowment funds designated for long-term investment. Included in this pool are endowment funds invested in the University's Cash Management Investment Pool (CMIP) consisting of \$9,102,840 principal beginning balance, a \$8,133,913 ending balance, and a \$8,487,987 average daily balance for the current month. Current month interest and dividends from the CMIP were \$11,686 bringing the total to \$11,686 year-to-date. These amounts have also been reported in Schedules A-1 and A-2.

\*The July beginning fair value has been adjusted to reflect the amount distributed to expendable accounts at fiscal year end.

UTAH STATE UNIVERSITY  
SUMMARY OF ENDOWMENT POOL TRANSACTIONS  
For the Month of July 2016

Schedule B-2  
Page 1 of 1

Endowment Pool Transactions	Purchases		Sales			Earnings	
	Shares	Cost	Shares	Cost	Receipts		Gain/(Loss)
Cash Management Investment Pool							
Utah State University		\$156,511		\$1,137,124	\$1,137,124	\$0	\$11,686
CMIP Interest		11,686					
Equity funds							
Dimensional (DFA)	43,706.294	1,000,000					
Fixed Income funds							
Longfellow		256,117		146,557	140,696	(5,861)	24,946
Wells Fargo							
High Yield Bond Fund	3,799.121	37,958					38,367
Paydenfunds - Emerging Markets Bond Fund	971.987	13,520					13,520
Alternatives							
Aether Investment Partners, LLC							
Aether Real Assets IV, LP		170,236					
Commonfund							
CEP VII		5,000		22,352	22,352	0	
CNR VIII		11,250					
Solamere Capital							
Solamere Founders Fund II, LP				46,365	46,365	0	
Woodbury							
Woodbury Strategic Partners Fund, L.P.				156,511	156,511	0	
Money Market Funds							
Goldman Sachs Bank Deposit		54					54
Accrued Income / Other							
05374002							
Cash		1,472,352		1,402,321	1,402,321	0	
Wells Fargo - High Yield		38,368		37,958	37,958	0	
Wells Fargo - SPY				50,675	50,675	0	
05374004							
Cash		181,049		202,118	202,118	0	
Interest Accrual		25,704		40,353	40,353	0	
Payable		327		55,085	55,085	0	
Total Endowment Pool Transactions		<u>\$3,380,132</u>		<u>\$3,297,419</u>	<u>\$3,291,558</u>	<u>(\$5,861)</u>	<u>\$88,573</u>

UTAH STATE UNIVERSITY  
OTHER INVESTMENTS  
SUMMARY REPORT OF INVESTMENTS AND INVESTMENT INCOME

Schedule C-1

	Beginning Fair Value	Purchases	Sales Proceeds	Change in Fair Value	Ending Fair Value	Average Daily Fair Value	Total Interest and Dividends	Realized Gain or (Loss)	Total Realized Income
Jul 2016	\$97,827,697	\$8,342,402	\$8,230,530	\$1,671,982	\$99,611,551	\$98,719,624	\$277,650	\$2,912	\$280,562
Aug 2016									
Sep 2016									
Oct 2016									
Nov 2016									
Dec 2016									
Jan 2017									
Feb 2017									
Mar 2017									
Apr 2017									
May 2017									
Jun 2017									

Comparative Totals:

Year-to-date									
FY 2016-17	\$97,827,697	\$8,342,402	\$8,230,530	\$1,671,982	\$99,611,551	\$98,719,624	\$277,650	\$2,912	\$280,562
FY 2015-16	85,525,373	1,171,824	901,845	365,533	86,160,885	85,843,129	369,263	3,153	372,416
Amt Change					13,450,666	12,876,495	(91,613)	(241)	(91,854)
% Change					15.61%	15.00%	-24.81%	-7.64%	-24.66%

UTAH STATE UNIVERSITY  
SUMMARY OF OTHER INVESTMENT TRANSACTIONS  
For the Month of July 2016

Schedule C-2  
Page 1 of 1

	Purchases		Sales			Gain/(Loss)	Earnings
	Shares	Cost	Shares	Cost	Receipts		
<u>Other Investments</u>							
Corporate Bonds and Notes							
U.S. Treasury Bond							\$674
Common and Preferred Stock							
Edward Jones							
Questar Corporation	400.000	\$10,070	400.000	\$10,070	\$9,822	(\$248)	
Morgan Stanley							
Franklin Resources Inc							149
Fidelity Balanced Fund (MUTF-FBALX)	150.000	3,312	150.000	3,312	3,315	3	
Utah Public Treasurers'							
Investment Fund		676		905	905	0	676
Fixed Income							
Federal Farm Credit Bank			50,000.000	5,000,000	5,000,000	0	
Wells Fargo - Earnings							234,767
Mutual Funds							
Commonfund							
CEU Title III							
Multi-Strategy Bond			88.415	1,000	1,337	337	
Multi-Strategy Equity			11.773	721	3,541	2,820	
Alternatives							
InvenTrust Properties							
Inventrust Properties Corp							612
Morgan Stanley Smith Barney							
MS Opp Mortgage Inc Fund							39,690
Woodbury							
Woodbury Capital II, LP				52,170	52,170	0	
Xenia Hotels & Resorts							
Xenia							648
Money Market / Cash							
Morgan Stanley Bank N.A.		39,692					2
Morgan Stanley		148					
Wells Fargo - Cash		5,323,800		2,783,615	2,783,615	0	
Wells Fargo - Money Market		2,728,830					432
Receivable / In Transit / Unsettled Purchases							
Commonfund				80,875	80,875	0	
Morgan Stanley - Unsettled Purchases				25,935	25,935	0	
Wells Fargo - Receivable		235,200		269,015	269,015	0	
U.S. Treasury Bond		674					
Total Other Investments		<u>\$8,342,402</u>		<u>\$8,227,618</u>	<u>\$8,230,530</u>	<u>\$2,912</u>	<u>\$277,650</u>

UTAH STATE UNIVERSITY  
 ENDOWMENT TRUSTS  
 SUMMARY REPORT OF INVESTMENTS AND INVESTMENT INCOME

Schedule D-1

	Beginning Fair Value	Purchases	Sales Proceeds	Change in Fair Value	Ending Fair Value	Average Daily Fair Value	Total Interest and Dividends	Realized Gain or (Loss)	Total Realized Income	Less Expenses	Net Realized Income/(Loss)
Jul 2016	\$5,606,497	\$258,238	\$236,893	\$87,233	\$5,715,075	\$5,660,786	\$21,997	\$25,295	\$47,292	\$652	\$46,640
Aug 2016											
Sep 2016											
Oct 2016											
Nov 2016											
Dec 2016											
Jan 2017											
Feb 2017											
Mar 2017											
Apr 2017											
May 2017											
Jun 2017											
<hr/>											
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Comparative Totals:

Year-to-date											
FY 2016-17	\$5,606,497	\$258,238	\$236,893	\$87,233	\$5,715,075	\$5,660,786	\$21,997	\$25,295	\$47,292	\$652	\$46,640
FY 2015-16	6,163,191	345,495	322,446	(81,023)	6,105,217	6,134,204	23,699	35,725	59,424	651	58,773
Amt Change					(390,142)	(473,418)	(1,702)	(10,430)	(12,132)	1	(12,133)
% Change					-6.39%	-7.72%	-7.18%	-29.20%	-20.42%	0.15%	-20.64%

Note: Endowment Trusts include externally managed endowment trusts.



UTAH STATE UNIVERSITY  
PLANT FUND TRUSTS  
SUMMARY REPORT OF INVESTMENTS AND INVESTMENT INCOME

Schedule E-1

	<u>Beginning Fair Value</u>	<u>Purchases</u>	<u>Sales Proceeds</u>	<u>Change in Fair Value</u>	<u>Ending Fair Value</u>	<u>Average Daily Fair Value</u>	<u>Total Interest Income</u>	<u>Realized Gain or (Loss)</u>	<u>Total Realized Income</u>	<u>Less Expenses</u>	<u>Net Realized Income/(Loss)</u>
Jul 2016	\$67,903,805	\$40,254,278	\$42,275,778	(\$12,161)	\$65,870,144	\$68,833,357	\$53,567		\$53,567		\$53,567
Aug 2016											
Sep 2016											
Oct 2016											
Nov 2016											
Dec 2016											
Jan 2017											
Feb 2017											
Mar 2017											
Apr 2017											
May 2017											
Jun 2017											
<hr/>											
<hr/>											
Comparative Totals:											
Year-to-date											
FY 2016-17	\$67,903,805	\$40,254,278	\$42,275,778	(\$12,161)	\$65,870,144	\$68,833,357	\$53,567	\$0	\$53,567	\$0	\$53,567
FY 2015-16	19,981,232	48,013,344	24,143,447	50,057	43,901,186	37,716,343	27,706	0	27,706	0	27,706
Amt Change					21,968,958	31,117,014	25,861	0	25,861	0	25,861
% Change					50.04%	82.50%	93.34%	0.00%	93.34%	0.00%	93.34%

Note: Plant Fund Trusts include all debt service reserve and construction fund accounts in compliance with bond issue covenants.



UTAH STATE UNIVERSITY  
SUMMARY OF PLANT TRUST INVESTMENT TRANSACTIONS  
For the Month of July 2016

Schedule E-2

	Purchases		Sales			Earnings
	Shares	Cost	Shares	Cost	Receipts	
<u>Plant Trusts</u>						
Wells Fargo						
Federal Home Loan Bank						\$2,006
Riverton City Bonds						5,687
Cash		\$30,205,367		\$30,090,907	\$30,090,907	\$0
Utah Public Treasurers' Investment Fund		10,048,911		12,120,377	12,120,377	0
Accounts Receivable						
Wells Fargo - Federal Home Loan Bank				9,895	9,895	0
Wells Fargo - Riverton City Bonds				5,688	5,688	0
Utah Public Treasurer's Investment Fund				48,911	48,911	0
 Total Plant Trusts		<u>\$40,254,278</u>		<u>\$42,275,778</u>	<u>\$42,275,778</u>	<u>\$0</u>

**ITEM FOR ACTION**

**RE: Report of Investments for August 2016**

The Report of Investments for August 2016 is submitted to the Board of Trustees for consideration. It has received the appropriate administrative review and approval.

**EXECUTIVE SUMMARY**

This set of investment reports presents investment activity for August 2016 and comparative year-to-date totals for FY 2016-2017 and FY 2015-2016.

**CASH MANAGEMENT INVESTMENT POOL**

The average daily fair value invested during August 2016 was \$295,386,304, up \$11,545,538 over July 2016. Total investment income was \$569,711, down \$95,874 from July 2016, reflecting the increase in the amount available for investing and a decrease in total investment return. The annualized total investment return was 2.31%, down 0.50% from July 2016.

Year-to-date numbers show that the average daily fair value invested for FY 2016-2017 was \$289,613,535, down \$10,073,947 (3.36%) from FY 2015-2016. Total interest income for FY 2016-2017 amounted to \$806,769, down \$81,083 (9.13%) from FY 2015-2016, reflecting a decrease in the amount available for investing and a decrease in interest rates.

The total amount invested at 31 August 2016 was \$306,329,959, down \$1,035,994 (0.34%) from 31 August 2015.

**ENDOWMENT POOL**

The average daily fair value invested during August 2016 was \$148,073,289, up \$10,053,096 over July 2016. Interest and dividend income of \$142,874 minus net realized losses of \$2,230 totaled \$140,644 in realized income for the month.

Year-to-date numbers show that the average daily fair value invested for FY 2016-2017 was \$143,046,741, up \$3,738,942 (2.68%) over FY 2015-2016. Total realized income for FY 2016-2017 was \$223,356, down \$247,357 (52.55%) from FY 2015-2016. This decrease resulted from \$250,749 less in interest and dividends and \$3,392 less net realized losses during FY 2016-2017.

The total amount invested at 31 August 2016 was \$148,411,316, up \$12,592,009 (9.27%) over 31 August 2015.

## OTHER INVESTMENTS

The average daily fair value invested during August 2016 was \$100,038,973, up \$1,319,349 over July 2016. Interest and dividend income of \$267,844 plus net realized gains of \$1,281 totaled \$269,125 in realized income for the month.

Year-to-date numbers show that the average daily fair value invested for FY 2016-2017 was \$99,379,298, up \$13,569,280 (15.81%) over FY 2015-2016. Total realized income for FY 2016-2017 was \$549,687, down \$48,589 (8.12%) from FY 2015-2016. This decrease resulted from \$46,589 less in interest and dividend income and \$1,958 less in net realized gains during FY 2016-2017.

The total amount invested at 31 August 2016 was \$100,466,394, up \$15,073,465 (17.65%) over 31 August 2015.

## ENDOWMENT TRUSTS

The average daily fair value invested during August 2016 was \$5,707,006 up \$46,220 over July 2016. Interest and dividend income totaled \$24,873 in realized income for the month.

Year-to-date numbers show that the average daily fair value invested for FY 2016-2017 was \$5,683,896, down \$346,938 (5.75%) from FY 2015-2016. Total realized income for FY 2016-2017 was \$72,165, down \$16,213 (18.35%) from FY 2015-2016. This decrease resulted from \$5,783 less interest and dividend income and \$10,430 less net realized gains during FY 2016-2017.

The total amount invested at 31 August 2016 was \$5,698,936, down \$50,775 (0.88%) from 31 August 2015.

## PLANT FUND TRUSTS

The average daily fair value invested during August 2016 was \$65,224,093, down \$3,609,264 from July 2016. Interest income totaled \$60,808 in realized income for the month.

Year-to-date numbers show that the average daily fair value invested for FY 2016-2017 was \$67,028,725, up \$26,213,035 (64.22%) over FY 2015-2016. Total realized income for FY 2016-2017 was \$114,375, up \$58,594 (105.04%) over FY 2015-2016. This increase reflects the increased amount available for investing and an increase in the rate of return.

The total amount invested at 31 August 2016 was \$64,256,979, up \$20,348,628 (46.34%) over 31 August 2015.

## SUMMARY OF INVESTMENT TRANSACTIONS

The University's average daily fair value invested for the month of August was \$614,429,665. Purchases totaled \$38,815,228 and sales totaled \$32,293,368. From this activity the University realized net losses of \$949 and earnings of \$912,106.

## RECOMMENDATION

The President and Vice President for Business and Finance recommend that the Board of Trustees approve the Report of Investments for August 2016.

**RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES**

WHEREAS, The attached Report of Investments containing authorized transactions, documentation, and supporting papers has been filed for review by the Board of Trustees pertaining to the investment activities; and

WHEREAS, The investment transactions listed on the attached Report of Investments have been approved by the USU Controller's Office; and

WHEREAS, The investment activities listed on the attached Report of Investments are in accordance with the Utah State Money Management Act, the rules of the Utah State Money Management Council, the Utah State Uniform Prudent Management of Institutional Funds Act, and the laws and rules of Utah State University and the State of Utah; and

WHEREAS, The Chief Financial Officer for Utah State University, David T. Cowley, Vice President for Business and Finance, has certified to the best of his knowledge and belief all investment transactions listed on the attached Report of Investments were made in accordance with the guidelines, rules, and laws; and

WHEREAS, Vice President Cowley requests approval of the attached Report of Investments for the period 1 August 2016 to 31 August 2016 and comparative year-to-date totals for the periods 1 July 2016 to 31 August 2016 and 1 July 2015 to 31 August 2015; and

WHEREAS, The President of Utah State University has reviewed the attached report and recommends its approval by the Utah State University Board of Trustees; and

WHEREAS, The USU Board of Trustees has reviewed and given due consideration, review, and authorization of the investment transactions listed on the attached Report of Investments for the period 1 August 2016 to 31 August 2016 and comparative year-to-date totals for the periods 1 July 2016 to 31 August 2016 and 1 July 2015 to 31 August 2015;

NOW, THEREFORE, BE IT RESOLVED, That the USU Board of Trustees hereby approves the attached Report of Investments as presented and ratifies the transactions listed on said Report of Investments for August 2016.

=====  
RESOLUTION APPROVED BY THE USU BOARD OF TRUSTEES:

\_\_\_\_\_  
Date

UTAH STATE UNIVERSITY  
REPORT OF INVESTMENTS  
AUGUST 2016

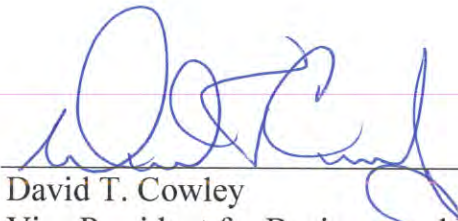
The following schedules (A through E2) provide a report of the University's Investments. To the best of my knowledge, Utah State University is in compliance with the Utah State Money Management Act and the rules of the Utah State Money Management Council and the Utah State Uniform Prudent Management of Institutional Funds Act.



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Danford R. Christensen  
Controller

12-5-16  
Date



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David T. Cowley  
Vice President for Business and Finance

12/5/16  
Date

UTAH STATE UNIVERSITY  
CASH MANAGEMENT INVESTMENT POOL  
SUMMARY REPORT OF INVESTMENTS AND INVESTMENT INCOME

Schedule A-1

	<u>Beginning Fair Value</u>	<u>Purchases</u>	<u>Sales Proceeds</u>	<u>Change in Fair Value</u>	<u>Ending Fair Value</u>	<u>Average Daily Fair Value</u>	<u>Total Interest Income</u>	<u>Less Service Charges</u>	<u>Net Interest Income</u>
Jul 2016	\$259,491,304	\$60,178,583	\$21,545,455	\$274,523	\$298,398,955	\$283,840,766	\$391,062	\$5,160	\$385,902
Aug 2016	298,398,955	23,777,000	16,000,000	154,004	306,329,959	295,386,304	415,707	(110)	415,817
Sep 2016									
Oct 2016									
Nov 2016									
Dec 2016									
Jan 2017									
Feb 2017									
Mar 2017									
Apr 2017									
May 2017									
Jun 2017									
	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>

Comparative Totals:

Year-to-date									
FY 2016-17	\$259,491,304	\$83,955,583	\$37,545,455	\$428,527	\$306,329,959	\$289,613,535	\$806,769	\$5,050	\$801,719
FY 2015-16	294,364,021	30,946,300	19,000,000	1,055,632	307,365,953	299,687,482	887,852	1,929	885,923
Amt Change					(1,035,994)	(10,073,947)	(81,083)	3,121	(84,204)
% Change					-0.34%	-3.36%	-9.13%	161.79%	-9.50%

Note: The Cash Management Investment Pool includes cash of all funds over estimated daily operating requirements.

UTAH STATE UNIVERSITY  
 CASH MANAGEMENT INVESTMENT POOL  
 SUMMARY OF INVESTMENT TRANSACTIONS AND PERFORMANCE  
 For the Month of August 2016

Schedule A-2

	Purchases	Sales		Earnings	Change in Fair Value	Total Investment Income	Average Daily Fair Value	Annualized Total Investment Return
		Cost	Receipts					
Money Market Account				\$5,554		\$5,554	\$7,100,000	0.94%
Utah Public Treasurers' Investment Fund				27,178		27,178	32,100,000	1.02%
Commercial Paper and Corporate Notes	\$8,777,000	\$6,000,000	\$6,000,000	260,636	\$299,730	560,366	198,138,101	3.39%
Obligations of U. S. Government	15,000,000	10,000,000	10,000,000	85,338	(121,785)	(36,447)	46,737,903	-0.94%
Municipal Bonds				37,001	(23,942)	13,059	11,310,300	1.39%
Total	<u>\$23,777,000</u>	<u>\$16,000,000</u>	<u>\$16,000,000</u>	<u>\$415,707</u>	<u>\$154,004</u>	<u>\$569,711</u>	<u>\$295,386,304</u>	2.31%



UTAH STATE UNIVERSITY  
SUMMARY OF CASH MANAGEMENT INVESTMENT POOL TRANSACTIONS  
For the Month of August 2016

Schedule A-3

	Purchases		Sales			Earnings
	Shares	Cost	Shares	Cost	Receipts	
<u>Cash Management Investment Pool</u>						
Money Market Account						\$5,554
Utah Public Treasurers' Investment Fund						27,178
Commercial Paper & Corporate Notes		\$8,777,000		\$6,000,000	\$6,000,000	\$0
Obligations of U. S. Government		15,000,000		10,000,000	10,000,000	0
Municipal Bonds						37,001
Total Cash Management Investment Pool		<u>\$23,777,000</u>		<u>\$16,000,000</u>	<u>\$16,000,000</u>	<u>\$0</u>
						<u>\$415,707</u>

UTAH STATE UNIVERSITY  
 ENDOWMENT POOL  
 SUMMARY REPORT OF INVESTMENTS AND INVESTMENT INCOME

Schedule B-1

	Beginning Fair Value	Purchases	Sales Proceeds	Change in Fair Value	Ending Fair Value	Average Daily Fair Value	Total Interest and Dividends	Realized Gain or (Loss)	Total Realized Income	Less Expenses	Net Realized Income/(Loss)
*Jul 2016	\$128,305,123	\$3,380,132	\$3,291,558	\$19,341,565	\$147,735,262	\$138,020,193	\$88,573	(\$5,861)	\$82,712		\$82,712
Aug 2016	147,735,262	1,227,753	1,095,585	543,886	148,411,316	148,073,289	142,874	(2,230)	140,644	\$8,638	132,006
Sep 2016											
Oct 2016											
Nov 2016											
Dec 2016											
Jan 2017											
Feb 2017											
Mar 2017											
Apr 2017											
May 2017											
Jun 2017											

Comparative Totals:

Year-to-date											
FY 2016-17	\$128,305,123	\$4,607,885	\$4,387,143	\$19,885,451	\$148,411,316	\$143,046,741	\$231,447	(\$8,091)	\$223,356	\$8,638	\$214,718
FY 2015-16	140,117,856	4,358,477	3,886,929	(4,770,097)	135,819,307	139,307,799	482,196	(11,483)	470,713	10,649	460,064
Amt Change					12,592,009	3,738,942	(250,749)	3,392	(247,357)	(2,011)	(245,346)
% Change					9.27%	2.68%	-52.00%	29.54%	-52.55%	-18.88%	-53.33%

Note: The Endowment Pool includes endowment funds designated for long-term investment. Included in this pool are endowment funds invested in the University's Cash Management Investment Pool (CMIP) consisting of \$8,133,913 principal beginning balance, a \$8,263,033 ending balance, and a \$8,128,336 average daily balance for the current month. Current month interest and dividends from the CMIP were \$11,416 bringing the total to \$23,102 year-to-date. These amounts have also been reported in Schedules A-1 and A-2.

\*The July beginning fair value has been adjusted to reflect the amount distributed to expendable accounts at fiscal year end.

UTAH STATE UNIVERSITY  
SUMMARY OF ENDOWMENT POOL TRANSACTIONS  
For the Month of August 2016

Schedule B-2  
Page 1 of 1

Endowment Pool Transactions	Purchases		Sales			Earnings	
	Shares	Cost	Shares	Cost	Receipts		Gain/(Loss)
Cash Management Investment Pool							
Utah State University		\$173,805		\$56,101	\$56,101	\$0	\$11,416
CMIP Interest		11,416					
Equity funds							
RhumbLine QSI Index			114.458	1,442	2,067	625	
Fixed Income funds							
Longfellow				240,359	237,504	(2,855)	24,450
Wells Fargo							
High Yield Bond Fund	3,771.758	38,368					37,578
Paydenfunds - Emerging Markets Bond Fund	1,113.188	15,774					15,774
Stone Harbor Emerging Market	5,005.450	53,608					53,608
Alternatives							
Commonfund							
CEP VII		7,500		16,180	16,180	0	
CEP VIII		15,000		15,000	15,000	0	
CNR IX		37,500					
Constitution Capital							
Ironsides Partnership Fund III		65,553					
Goldman Sachs							
Vintage Fund VI		14,440					
Woodbury							
Woodbury Strategic Partners Fund, L.P.				173,806	173,806	0	
Money Market Funds							
Goldman Sachs Bank Deposit		48					48
Accrued Income / Other							
05374002							
Cash		420,168		481,518	481,518	0	
Wells Fargo - High Yield		37,578		38,367	38,367	0	
05374004							
Cash		257,460		55,085	55,085	0	
Interest Accrual		24,777		19,957	19,957	0	
Payable		54,758					
Total Endowment Pool Transactions		<u>\$1,227,753</u>		<u>\$1,097,815</u>	<u>\$1,095,585</u>	<u>(\$2,230)</u>	<u>\$142,874</u>

UTAH STATE UNIVERSITY  
OTHER INVESTMENTS  
SUMMARY REPORT OF INVESTMENTS AND INVESTMENT INCOME

Schedule C-1

	Beginning Fair Value	Purchases	Sales Proceeds	Change in Fair Value	Ending Fair Value	Average Daily Fair Value	Total Interest and Dividends	Realized Gain or (Loss)	Total Realized Income
Jul 2016	\$97,827,697	\$8,342,402	\$8,230,530	\$1,671,982	\$99,611,551	\$98,719,624	\$277,650	\$2,912	\$280,562
Aug 2016	99,611,551	13,721,480	13,514,718	648,081	100,466,394	100,038,973	267,844	1,281	269,125
Sep 2016									
Oct 2016									
Nov 2016									
Dec 2016									
Jan 2017									
Feb 2017									
Mar 2017									
Apr 2017									
May 2017									
Jun 2017									

Comparative Totals:

Year-to-date									
FY 2016-17	\$97,827,697	\$22,063,882	\$21,745,248	\$2,320,063	\$100,466,394	\$99,379,298	\$545,494	\$4,193	\$549,687
FY 2015-16	85,525,373	3,459,238	2,744,053	(847,629)	85,392,929	85,810,018	592,083	6,151	598,234
Amt Change					15,073,465	13,569,280	(46,589)	(1,958)	(48,547)
% Change					17.65%	15.81%	-7.87%	-31.83%	-8.12%

UTAH STATE UNIVERSITY  
SUMMARY OF OTHER INVESTMENT TRANSACTIONS  
For the Month of August 2016

Schedule C-2  
Page 1 of 1

	Purchases		Sales			Gain/(Loss)	Earnings
	Shares	Cost	Shares	Cost	Receipts		
<u>Other Investments</u>							
Corporate Bonds and Notes							
U.S. Treasury Bond							\$674
Common and Preferred Stock							
Morgan Stanley							
Questar Corp.	11,905.000	\$300,661	11,905.000	\$300,661	\$298,765	(\$1,896)	
Utah Public Treasurers'							
Investment Fund		715					715
Fixed Income							
Federal Home Loan Bank			46,750.000	4,675,000	4,675,000	0	
Metlife Capital Trust X	4,730.000	685,614					
Xlit LTD	10,000.000	1,024,750					
Wells Fargo - Earnings							265,412
Mutual Funds							
Commonfund							
CEU Title III							
Multi-Strategy Bond			88.359	999	1,338	339	
Multi-Strategy Equity			11.741	719	3,557	2,838	
Alternatives							
Woodbury							
Woodbury Strategic Partners Fund				57,935	57,935	0	
Money Market / Cash							
Morgan Stanley Bank N.A.		2					2
Morgan Stanley				148	148	0	
Wells Fargo - Cash		6,767,611		6,500,101	6,500,101	0	
Wells Fargo - Money Market		4,675,000		1,710,363	1,710,363	0	1,041
Receivable / In Transit / Unsettled Purchases							
Wells Fargo - Receivable		266,453		267,511	267,511	0	
U.S. Treasury Bond		674					
 Total Other Investments		<u>\$13,721,480</u>		<u>\$13,513,437</u>	<u>\$13,514,718</u>	<u>\$1,281</u>	<u>\$267,844</u>

UTAH STATE UNIVERSITY  
 ENDOWMENT TRUSTS  
 SUMMARY REPORT OF INVESTMENTS AND INVESTMENT INCOME

Schedule D-1

	Beginning Fair Value	Purchases	Sales Proceeds	Change in Fair Value	Ending Fair Value	Average Daily Fair Value	Total Interest and Dividends	Realized Gain or (Loss)	Total Realized Income	Less Expenses	Net Realized Income/(Loss)
Jul 2016	\$5,606,497	\$258,238	\$236,893	\$87,233	\$5,715,075	\$5,660,786	\$21,997	\$25,295	\$47,292	\$652	\$46,640
Aug 2016	5,715,075	24,886	7,765	(33,260)	5,698,936	5,707,006	24,873	0	24,873	76	24,797
Sep 2016											
Oct 2016											
Nov 2016											
Dec 2016											
Jan 2017											
Feb 2017											
Mar 2017											
Apr 2017											
May 2017											
Jun 2017											
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Comparative Totals:

Year-to-date

FY 2016-17	\$5,606,497	\$283,124	\$244,658	\$53,973	\$5,698,936	\$5,683,896	\$46,870	\$25,295	\$72,165	\$728	\$71,437
FY 2015-16	6,163,191	413,043	368,724	(457,799)	5,749,711	6,030,834	52,653	35,725	88,378	725	87,653
Amt Change					(50,775)	(346,938)	(5,783)	(10,430)	(16,213)	3	(16,216)
% Change					-0.88%	-5.75%	-10.98%	-29.20%	-18.35%	0.41%	-18.50%

Note: Endowment Trusts include externally managed endowment trusts.

UTAH STATE UNIVERSITY  
SUMMARY OF ENDOWMENT TRUST INVESTMENT TRANSACTIONS  
For the Month of August 2016

Schedule D-2  
Page 1 of 1

	Purchases		Sales			Earnings	
	Shares	Cost	Shares	Cost	Receipts		Gain/(Loss)
<u>Endowment Trusts</u>							
Common and Preferred Stock							
Lazard Intl Equity Port - Instl #632	0.925	\$16					
Lazard Intl Equity Port - Instl #632	0.925	16					
Funds held at Morgan Stanley - Dividends						\$24,425	
Funds held at Wells Fargo - Dividends						42	
Mutual Funds							
Federated Total Return Bond Fund	8.104	90					
Metropolitan West Total Return Bond Fund	5.240	58					
Wells Fargo Advantage Core Bond Fund	3.392	45					
Federated Total Return Bond Fund	8.100	90					
Metropolitan West Total Return Bond Fund	5.240	58					
Wells Fargo Advantage Core Bond Fund	3.392	45					
Funds held at Wells Fargo - Dividends						402	
Money Market & Cash Funds							
Morgan Stanley Bank N.A.		24,426		\$90	\$90	\$0	2
Wells Fargo #451		21		3,838	3,838	0	1
Wells Fargo #451		21		3,837	3,837	0	1
Total Endowment Trusts		<u>\$24,886</u>		<u>\$7,765</u>	<u>\$7,765</u>	<u>\$0</u>	<u>\$24,873</u>

UTAH STATE UNIVERSITY  
PLANT FUND TRUSTS  
SUMMARY REPORT OF INVESTMENTS AND INVESTMENT INCOME

Schedule E-1

	Beginning Fair Value	Purchases	Sales Proceeds	Change in Fair Value	Ending Fair Value	Average Daily Fair Value	Total Interest Income	Realized Gain or (Loss)	Total Realized Income	Less Expenses	Net Realized Income/(Loss)
Jul 2016	\$67,903,805	\$40,254,278	\$42,275,778	(\$12,161)	\$65,870,144	\$68,833,357	\$53,567		\$53,567		\$53,567
Aug 2016	65,870,144	64,109	1,675,300	(1,974)	64,256,979	65,224,093	60,808		60,808		60,808
Sep 2016											
Oct 2016											
Nov 2016											
Dec 2016											
Jan 2017											
Feb 2017											
Mar 2017											
Apr 2017											
May 2017											
Jun 2017											
<hr/> <hr/>											
Comparative Totals:											
Year-to-date											
FY 2016-17	\$67,903,805	\$40,318,387	\$43,951,078	(\$14,135)	\$64,256,979	\$67,028,725	\$114,375	\$0	\$114,375	\$0	\$114,375
FY 2015-16	19,981,232	48,110,670	24,226,699	43,148	43,908,351	40,815,690	55,781	0	55,781	0	55,781
Amt Change					20,348,628	26,213,035	58,594	0	58,594	0	58,594
% Change					46.34%	64.22%	105.04%	0.00%	105.04%	0.00%	105.04%

Note: Plant Fund Trusts include all debt service reserve and construction fund accounts in compliance with bond issue covenants.



UTAH STATE UNIVERSITY  
SUMMARY OF PLANT TRUST INVESTMENT TRANSACTIONS  
For the Month of August 2016

Schedule E-2

	Purchases		Sales			Earnings
	Shares	Cost	Shares	Cost	Receipts	
<u>Plant Trusts</u>						
Wells Fargo						
Federal Home Loan Bank						\$2,006
Riverton City Bonds						5,687
Cash				\$14,000	\$14,000	\$0
Utah Public Treasurers' Investment Fund		\$64,109		1,661,300	1,661,300	0
Total Plant Trusts		<u>\$64,109</u>		<u>\$1,675,300</u>	<u>\$1,675,300</u>	<u>\$0</u>
						<u>\$60,808</u>

**ITEM FOR ACTION**

**RE: Report of Investments for September 2016**

The Report of Investments for September 2016 is submitted to the Board of Trustees for consideration. It has received the appropriate administrative review and approval.

**EXECUTIVE SUMMARY**

This set of investment reports presents investment activity for September 2016 and comparative year-to-date totals for FY 2016-2017 and FY 2015-2016.

**CASH MANAGEMENT INVESTMENT POOL**

The average daily fair value invested during September 2016 was \$339,057,689, up \$43,671,385 over August 2016. Total investment income was \$128,075, down \$441,636 from August 2016, reflecting the increase in the amount available for investing and a decrease in total investment return. The annualized total investment return was 0.45%, down 1.86% from August 2016.

Year-to-date numbers show that the average daily fair value invested for FY 2016-2017 was \$306,094,920, down \$3,462,096 (1.12%) from FY 2015-2016. Total interest income for FY 2016-2017 amounted to \$1,267,069, down \$93,136 (6.85%) from FY 2015-2016, reflecting a decrease in the amount available for investing and a decrease in interest rates.

The total amount invested at 30 September 2016 was \$342,946,734, up \$11,008,397 (3.32%) over 30 September 2015. Unrealized gains at 30 September 2016 were \$1,765,978.

**ENDOWMENT POOL**

The average daily fair value invested during September 2016 was \$148,894,159, up \$820,870 over August 2016. Interest and dividend income of \$368,352 minus net realized losses of \$21,605 totaled \$346,747 in realized income for the month.

Year-to-date numbers show that the average daily fair value invested for FY 2016-2017 was \$144,995,880, up \$7,134,103 (5.17%) over FY 2015-2016. Total realized income for FY 2016-2017 was \$570,103, down \$230,451 (28.79%) from FY 2015-2016. This decrease resulted from \$220,223 less in interest and dividends and \$10,228 more net realized losses during FY 2015-2016.

The total amount invested at 30 September 2016 was \$149,377,001, up \$15,256,844 (11.38%) over 30 September 2015. Unrealized gains at 30 September 2016 were \$20,512,480.

## OTHER INVESTMENTS

The average daily fair value invested during September 2016 was \$100,459,267, up \$420,294 over August 2016. Interest and dividend income of \$432,682 plus net realized gains of \$733 totaled \$433,415 in realized income for the month.

Year-to-date numbers show that the average daily fair value invested for FY 2016-2017 was \$99,739,288, up \$14,046,623 (16.39%) over FY 2015-2016. Total realized income for FY 2016-2017 was \$983,102, up \$50,760 (5.44%) over FY 2015-2016. This increase resulted from \$28,713 more in interest and dividend income and \$22,047 more in net realized gains during FY 2016-2017.

The total amount invested at 30 September 2016 was \$100,452,140, up \$14,929,152 (17.46%) over 30 September 2015. Unrealized gains at 30 September 2016 were \$14,480,375.

## ENDOWMENT TRUSTS

The average daily fair value invested during September 2016 was \$5,685,221 down \$21,785 from August 2016. Interest and dividend income of \$19,064 minus net realized losses of \$1, totaled \$19,063 in realized income for the month.

Year-to-date numbers show that the average daily fair value invested for FY 2016-2017 was \$5,684,337, down \$209,886 (3.56%) from FY 2015-2016. Total realized income for FY 2016-2017 was \$91,228, down \$5,942 (6.12%) from FY 2015-2016. This decrease resulted from \$11,652 less interest and dividend income and \$5,710 more net realized gains during FY 2016-2017.

The total amount invested at 30 September 2016 was \$5,671,505, up \$179,212 (3.26%) over 30 September 2015. Unrealized losses at 30 September 2016 were \$706,704.

## PLANT FUND TRUSTS

The average daily fair value invested during September 2016 was \$64,817,948, down \$406,145 from August 2016. Interest income totaled \$61,935 in realized income for the month.

Year-to-date numbers show that the average daily fair value invested for FY 2016-2017 was \$66,291,799, up \$22,064,074 (49.89%) over FY 2015-2016. Total realized income for FY 2016-2017 was \$176,310, up \$92,267 (109.79%) over FY 2015-2016. This increase reflects the increased amount available for investing and an increase in the rate of return.

The total amount invested at 30 September 2016 was \$64,717,463, down \$445,258 (0.68%) from 30 September 2015. Unrealized gains at 30 September 2016 were \$173,266.

## SUMMARY OF INVESTMENT TRANSACTIONS

The University's average daily fair value invested for the month of September was \$658,914,284. Purchases totaled \$60,870,000 and sales totaled \$22,620,331. From this activity the University realized net losses of \$20,873 and earnings of \$1,342,333.

## SUMMARY OF TOTAL INVESTMENT RETURNS

The Endowment Pool composite benchmark is established based on the asset allocation of the Endowment Pool. At 30 September 2016 the Endowment Pool asset allocation was 3.38% cash, 27.08% fixed income, 69.54% equities. The benchmarks used include the Barclay's Capital U.S. Aggregate Bond Index, MSCI ACWIXUS, and the Russell 3000 index. The composite benchmark for the Endowment Pool at 30 September 2016 was 10.08%

The Endowment Pool trailing 12-month rate of return was 9.76% at 30 September 2016. The Endowment Pool underperformed its benchmark by 32 bp at 30 September 2016.

The Cash Management Investment Pool trailing 12-month rate of return was 2.10% at 30 September 2016. The benchmark for the Cash Management Investment Pool is the Utah Public Treasurers' Investment Fund (PTIF). The PTIF trailing 12-month rate of return was 0.87% at 30 September 2016. The Cash Management Investment Pool outperformed its benchmark by 123 bp at 30 September 2016.

## ENDOWMENT FUNDS

The fair value of invested endowment funds at 30 September 2016 was \$334.6 million, down \$1.3 million (0.38%) over 30 June 2016. This decrease includes the change in fair value and new gifts received through 30 September 2016.

Year-to-date, the endowment funds have decreased \$1.3 million (0.38%) over 30 June 2016.

Endowment funds are currently invested 43.30% in the Endowment Pool, 25.00% in the Cash Management Investment Pool, 1.69% in the various Endowment Trusts and 30.01% in Other Investments.

## RECOMMENDATION

The President and Vice President for Business and Finance recommend that the Board of Trustees approve the Report of Investments for September 2016.

**RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES**

WHEREAS, The attached Report of Investments containing authorized transactions, documentation, and supporting papers has been filed for review by the Board of Trustees pertaining to the investment activities; and

WHEREAS, The investment transactions listed on the attached Report of Investments have been approved by the USU Controller's Office; and

WHEREAS, The investment activities listed on the attached Report of Investments are in accordance with the Utah State Money Management Act, the rules of the Utah State Money Management Council, the Utah State Uniform Prudent Management of Institutional Funds Act, and the laws and rules of Utah State University and the State of Utah; and

WHEREAS, The Chief Financial Officer for Utah State University, David T. Cowley, Vice President for Business and Finance, has certified to the best of his knowledge and belief all investment transactions listed on the attached Report of Investments were made in accordance with the guidelines, rules, and laws; and

WHEREAS, Vice President Cowley requests approval of the attached Report of Investments for the period 1 September 2016 to 30 September 2016 and comparative year-to-date totals for the periods 1 July 2016 to 30 September 2016 and 1 July 2015 to 30 September 2015; and

WHEREAS, The President of Utah State University has reviewed the attached report and recommends its approval by the Utah State University Board of Trustees; and

WHEREAS, The USU Board of Trustees has reviewed and given due consideration, review, and authorization of the investment transactions listed on the attached Report of Investments for the period 1 September 2016 to 30 September 2016 and comparative year-to-date totals for the periods 1 July 2016 to 30 September 2016 and 1 July 2015 to 30 September 2015;

NOW, THEREFORE, BE IT RESOLVED, That the USU Board of Trustees hereby approves the attached Report of Investments as presented and ratifies the transactions listed on said Report of Investments for September 2016.

=====  
RESOLUTION APPROVED BY THE USU BOARD OF TRUSTEES:

\_\_\_\_\_  
Date

UTAH STATE UNIVERSITY  
REPORT OF INVESTMENTS  
SEPTEMBER 2016

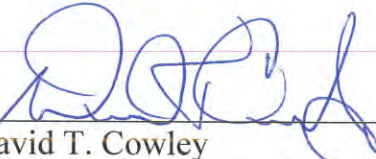
The following schedules (A through G) provide a report of the University's Investments. To the best of my knowledge, Utah State University is in compliance with the Utah State Money Management Act and the rules of the Utah State Money Management Council and the Utah State Uniform Prudent Management of Institutional Funds Act.



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Danford R. Christensen  
Controller

12-5-16  
Date



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David T. Cowley  
Vice President for Business and Finance

12/7/16  
Date

UTAH STATE UNIVERSITY  
CASH MANAGEMENT INVESTMENT POOL  
SUMMARY REPORT OF INVESTMENTS AND INVESTMENT INCOME

Schedule A-1

	<u>Beginning Fair Value</u>	<u>Purchases</u>	<u>Sales Proceeds</u>	<u>Change in Fair Value</u>	<u>Ending Fair Value</u>	<u>Average Daily Fair Value</u>	<u>Total Interest Income</u>	<u>Less Service Charges</u>	<u>Net Interest Income</u>
Jul 2016	\$259,491,304	\$60,178,583	\$21,545,455	\$274,523	\$298,398,955	\$283,840,766	\$391,062	\$5,160	\$385,902
Aug 2016	298,398,955	23,777,000	16,000,000	154,004	306,329,959	295,386,304	415,707	(110)	415,817
Sep 2016	306,329,959	43,355,000	6,406,000	(332,225)	342,946,734	339,057,689	460,300	(175)	460,475
Oct 2016									
Nov 2016									
Dec 2016									
Jan 2017									
Feb 2017									
Mar 2017									
Apr 2017									
May 2017									
Jun 2017									
	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>

Comparative Totals:

Year-to-date									
FY 2016-17	\$259,491,304	\$127,310,583	\$43,951,455	\$96,302	\$342,946,734	\$306,094,920	\$1,267,069	\$4,875	\$1,262,194
FY 2015-16	294,364,021	87,352,300	51,965,000	2,187,016	331,938,337	309,557,016	1,360,205	1,684	1,358,521
Amt Change					11,008,397	(3,462,096)	(93,136)	3,191	(96,327)
% Change					3.32%	-1.12%	-6.85%	189.49%	-7.09%

Note: The Cash Management Investment Pool includes cash of all funds over estimated daily operating requirements.

UTAH STATE UNIVERSITY  
CASH MANAGEMENT INVESTMENT POOL PORTFOLIO  
30 September 2016

Schedule A-1-A  
Page 1 of 3

Description	Interest Rate	Date Acquired	Maturity Date	Cost	Fair Value	Unrealized Gain/(Loss)
<b>Money Market</b>						
Bank of Utah - Public Treasurer Acct	0.9740%			\$6,100,000	\$6,100,000	\$0
Cache Valley Bank	0.5000%			1,000,000	1,000,000	0
				<u>7,100,000</u>	<u>7,100,000</u>	<u>0</u>
<b>Public Treasurers' Investment Fund</b>						
Utah Public Treasurers' Investment Fund	1.0452%			29,100,000	29,100,000	0
				<u>29,100,000</u>	<u>29,100,000</u>	<u>0</u>
<b>Commercial Paper and Corporate Notes</b>						
Mississippi Power Co	2.3500%	07/14/15	10/15/16	5,000,000	5,001,695	1,695
Fifth Third Bank	1.1500%	09/14/15	11/18/16	6,000,000	6,000,066	66
Duke Energy	1.7500%	09/09/15	12/15/16	1,000,000	1,001,538	1,538
Alfac Inc	2.6500%	11/13/15	02/15/17	3,616,000	3,635,693	19,693
Barclays Bank PLC	1.3840%	07/18/16	02/17/17	5,000,000	5,001,255	1,255
Macquarie Bank	5.0000%	01/28/16	02/22/17	5,000,000	5,068,255	68,255
Citigroup	1.3500%	01/15/16	03/10/17	4,993,100	5,003,010	9,910
Mizuho Bank	2.5500%	01/19/16	03/17/17	5,000,000	5,025,600	25,600
Samsung	1.7500%	01/21/16	04/10/17	5,000,000	5,011,465	11,465
Huntington National Bank	1.3750%	01/25/16	04/24/17	6,993,490	7,006,972	13,482
Credit Suisse	1.3750%	06/13/16	05/26/17	7,000,000	6,992,398	(7,602)
BMW US Capital	1.1790%	10/21/15	06/02/17	3,377,935	3,400,806	22,871
Standard Chartered	1.1810%	04/21/16	09/08/17	4,965,500	4,973,015	7,515
American Express	6.0000%	07/18/16	09/13/17	2,000,000	2,086,004	86,004
Morgan Stanley	3.5000%	09/30/14	09/30/17	2,184,000	2,204,899	20,899
JP Morgan	6.4000%	06/13/16	10/02/17	5,435,000	5,692,728	257,728
Macquarie Bank	1.3640%	05/11/16	10/27/17	5,000,000	4,999,735	(265)
Canadian Imperial Bank	0.9680%	07/13/15	11/16/17	4,946,300	4,952,745	6,445
Morgan Stanley	1.3930%	01/26/15	01/05/18	5,000,000	5,008,210	8,210
TransCanada Pipelines	1.4570%	02/29/16	01/12/18	9,891,300	9,964,570	73,270
Credit Suisse	1.4420%	07/18/16	01/29/18	3,000,000	3,004,296	4,296
Citigroup	1.4240%	07/27/16	04/27/18	2,200,000	2,204,512	4,512
Goldman Sachs	1.9520%	06/26/15	04/30/18	5,000,000	5,045,360	45,360



UTAH STATE UNIVERSITY  
CASH MANAGEMENT INVESTMENT POOL PORTFOLIO  
30 September 2016

Schedule A-1-A  
Page 2 of 3

Description	Interest Rate	Date Acquired	Maturity Date	Cost	Fair Value	Unrealized Gain/(Loss)
Commercial Paper and Corporate Notes (continued)						
StatOil	1.1070%	02/25/16	05/15/18	\$6,878,970	\$6,994,554	\$115,584
Conoco Phillips	1.1470%	03/10/16	05/15/18	5,266,193	5,484,208	218,015
American Express	1.4010%	02/08/16	05/22/18	4,976,080	5,012,440	36,360
HSBC	1.7370%	07/01/16	09/24/18	5,000,000	5,008,105	8,105
BP Capital Markets PLC	1.4870%	02/26/16	09/26/18	9,764,950	10,046,600	281,650
Societe Generale	1.7260%	07/01/16	10/01/18	4,015,000	4,043,093	28,093
Goldman Sachs	1.9170%	12/15/15	11/15/18	5,000,000	5,040,350	40,350
Citigroup	1.6930%	07/27/16	12/07/18	3,000,000	3,014,850	14,850
Bank of America	1.7200%	08/18/16	01/15/19	3,777,000	3,801,210	24,210
Lloyds Bank	1.7020%	07/15/16	01/22/19	10,963,583	11,050,930	87,347
JP Morgan	1.3730%	01/28/16	01/28/19	4,970,000	5,007,680	37,680
Morgan Stanley	2.1320%	02/17/16	02/01/19	3,000,000	3,058,008	58,008
Santander (Abbey Natl)	2.3360%	04/18/16	03/14/19	5,000,000	5,084,275	84,275
Barclays Bank PLC	1.7430%	05/16/16	03/28/19	2,000,000	1,986,000	(14,000)
Bank of America	1.5160%	05/16/16	04/01/19	5,000,000	5,030,015	30,015
Wells Fargo & Company	1.1620%	05/06/16	04/22/19	3,976,055	3,988,596	12,541
Citigroup	1.7630%	09/21/16	06/07/19	2,000,000	2,010,932	10,932
Verizon	1.6270%	06/17/16	06/17/19	5,000,000	5,049,045	49,045
Ing Bank	1.4270%	08/22/16	08/15/19	5,000,000	5,008,540	8,540
				202,190,456	204,004,258	1,813,802
Obligations of U. S. Government						
Federal Farm Credit FFCB	1.0400%	09/02/15	03/01/18	5,000,000	5,000,035	35
Federal Farm Credit FFCB	1.9400%	10/13/15	10/13/21	5,000,000	5,000,650	650
Federal Farm Credit FFCB	1.9300%	09/09/16	03/06/24	5,000,000	4,971,350	(28,650)
Federal Farm Credit FFCB	1.9200%	09/02/16	12/02/24	5,000,000	4,962,630	(37,370)
Fed Home Loan Bank FHLB	2.5400%	01/11/13	12/27/24	10,125,000	10,125,304	304
Fed Home Loan Bank FHLB	2.1000%	08/18/16	08/18/25	5,000,000	4,965,390	(34,610)
Fed Home Loan Bank FHLB	2.5000%	06/20/16	06/15/26	5,000,000	5,005,340	5,340
Fed Home Loan Bank FHLB	2.4400%	07/06/16	07/06/26	5,000,000	5,007,830	7,830
Federal Farm Credit FFCB	2.2500%	07/27/16	07/27/26	5,000,000	4,968,550	(31,450)
Fannie Mae FNMA	2.1000%	08/29/16	08/24/26	10,000,000	9,954,570	(45,430)

UTAH STATE UNIVERSITY  
CASH MANAGEMENT INVESTMENT POOL PORTFOLIO  
30 September 2016

Schedule A-1-A  
Page 3 of 3

Description	Interest Rate	Date Acquired	Maturity Date	Cost	Fair Value	Unrealized Gain/(Loss)
Obligations of U. S. Government (continued)						
Fed Farm Credit FFCB	2.0600%	09/01/16	09/01/26	\$10,000,000	\$6,308,036	(\$3,691,964)
Farmer Mac FAMCA	2.0500%	09/01/16	09/01/26	6,355,000	9,963,830	3,608,830
Fed Home Loan Bank FHLB	2.1250%	02/02/16	09/02/26	10,000,000	9,910,240	(89,760)
Fed Home Loan Bank FHLB	2.1700%	09/22/16	09/22/26	5,000,000	4,991,880	(8,120)
				91,480,000	91,135,635	(344,365)
Municipal Bonds						
West Valley City Bonds	4.8500%	10/20/10	11/01/16	1,050,000	1,052,719	2,719
West Valley City Bonds	4.8500%	10/20/10	11/01/17	1,115,000	1,117,888	2,888
West Valley City Bonds	4.8500%	10/20/10	11/01/18	1,180,000	1,183,056	3,056
Utah State Building Owners	1.5000%	05/05/14	05/15/19	965,300	994,348	29,048
Salt Lake City Municipal	2.0700%	03/30/15	10/01/19	1,000,000	1,022,790	22,790
West Valley City Bonds	4.8500%	10/20/10	11/01/19	1,255,000	1,258,250	3,250
Utah County UT Bonds	4.9200%	01/17/14	12/01/19	1,000,000	1,108,930	108,930
West Valley City Bonds	4.8500%	10/20/10	11/01/20	1,330,000	1,333,445	3,445
Utah County UT Bonds	5.1700%	01/17/14	12/01/20	1,000,000	1,116,750	116,750
West Valley City Bonds	4.8500%	10/20/10	11/01/21	1,415,000	1,418,665	3,665
				11,310,300	11,606,841	296,541
Total Cash Management Investment Pool				\$341,180,756	\$342,946,734	\$1,765,978

UTAH STATE UNIVERSITY  
CASH MANAGEMENT INVESTMENT POOL  
SUMMARY OF INVESTMENT TRANSACTIONS AND PERFORMANCE  
For the Month of September 2016

Schedule A-2

	Purchases	Sales		Earnings	Change in Fair Value	Total Investment Income	Average Daily Fair Value	Annualized Total Investment Return
		Cost	Receipts					
Money Market Account				\$5,295		\$5,295	\$7,100,000	0.89%
Utah Public Treasurers' Investment Fund		\$3,000,000	\$3,000,000	27,527		27,527	31,600,000	1.05%
Commercial Paper and Corporate Notes	\$2,000,000	3,406,000	3,406,000	242,246	(\$99,686)	142,560	202,900,722	0.84%
Obligations of U. S. Government	41,355,000			149,425	(247,211)	(97,786)	86,146,667	-1.36%
Municipal Bonds				35,807	14,672	50,479	11,310,300	5.36%
Total	<u>\$43,355,000</u>	<u>\$6,406,000</u>	<u>\$6,406,000</u>	<u>\$460,300</u>	<u>(\$332,225)</u>	<u>\$128,075</u>	<u>\$339,057,689</u>	0.45%



UTAH STATE UNIVERSITY  
 ENDOWMENT POOL  
 SUMMARY REPORT OF INVESTMENTS AND INVESTMENT INCOME

Schedule B-1

	Beginning Fair Value	Purchases	Sales Proceeds	Change in Fair Value	Ending Fair Value	Average Daily Fair Value	Total Interest and Dividends	Realized Gain or (Loss)	Total Realized Income	Less Expenses	Net Realized Income/(Loss)
*Jul 2016	\$128,305,123	\$3,380,132	\$3,291,558	\$19,341,565	\$147,735,262	\$138,020,193	\$88,573	(\$5,861)	\$82,712		\$82,712
Aug 2016	147,735,262	1,227,753	1,095,585	543,886	148,411,316	148,073,289	142,874	(2,230)	140,644	\$8,638	132,006
Sep 2016	148,411,316	9,075,229	8,706,877	597,333	149,377,001	148,894,159	368,352	(21,605)	346,747		346,747
Oct 2016											
Nov 2016											
Dec 2016											
Jan 2017											
Feb 2017											
Mar 2017											
Apr 2017											
May 2017											
Jun 2017											

Comparative Totals:

Year-to-date											
FY 2016-17	\$128,305,123	\$13,683,114	\$13,094,020	\$20,482,784	\$149,377,001	\$144,995,880	\$599,799	(\$29,696)	\$570,103	\$8,638	\$561,465
FY 2015-16	140,117,856	6,285,171	5,475,796	(6,807,074)	134,120,157	137,861,777	820,022	(19,468)	800,554	10,649	789,905
Amt Change					15,256,844	7,134,103	(220,223)	(10,228)	(230,451)	(2,011)	(228,440)
% Change					11.38%	5.17%	-26.86%	-52.54%	-28.79%	-18.88%	-28.92%

Note: The Endowment Pool includes endowment funds designated for long-term investment. Included in this pool are endowment funds invested in the University's Cash Management Investment Pool (CMIP) consisting of \$8,263,033 principal beginning balance, a \$4,491,915 ending balance, and a \$7,997,410 average daily balance for the current month. Current month interest and dividends from the CMIP were \$10,824 bringing the total to \$33,926 year-to-date. These amounts have also been reported in Schedules A-1 and A-2.

\*The July beginning fair value has been adjusted to reflect the amount distributed to expendable accounts at fiscal year end.

UTAH STATE UNIVERSITY  
 ENDOWMENT POOL  
 INVESTMENT PERFORMANCE

Schedule B-1-A

	Total Number of Units	Fair Value Per Unit			Net Earnings	Earnings Per Unit
		Beginning of Month	End of Month	Percent Change		
July 2016	541,655.52	\$266.3846	\$272.7476	2.39%	\$88,573	\$0.1635
August 2016	541,655.52	272.7476	273.9958	0.46%	142,874	0.2638
September 2016	541,655.52	273.9958	275.7786	0.65%	368,352	0.6800
October 2016						
November 2016						
December 2016						
January 2017						
February 2017						
March 2017						
April 2017						
May 2017						
June 2017						

UTAH STATE UNIVERSITY  
 ENDOWMENT POOL PORTFOLIO  
 September 30, 2016

Schedule B-1-B  
 Page 1 of 3

Description	Face Value	Number of Shares	Interest Rate	Date Acquired	Maturity Date	Cost	Fair Value	Unrealized Gain/(Loss)
Cash Management Investment Pool						\$4,491,915	\$4,491,915	\$0
Total Cash Management Investment Pool						<u>4,491,915</u>	<u>4,491,915</u>	<u>0</u>
Equity funds								
Dimensional (DFA)		192,762.845				5,334,343	4,686,065	(648,278)
RhumbLine QSI Index		818,116.414				9,980,596	14,693,395	4,712,799
SIT Dividend Growth						10,000,000	13,748,401	3,748,401
Vanguard Russell 3000		61,611.819				8,710,604	11,853,498	3,142,894
Vanguard FTSE All-World ex-US Index Fund		160,545.619				14,833,538	14,339,935	(493,603)
UTS SPDR Trust Ser 1 (SPY)		46,989.000				3,983,736	10,163,721	6,179,985
Total Equities						<u>52,842,817</u>	<u>69,485,015</u>	<u>16,642,198</u>
Fixed Income funds								
Longfellow						9,815,708	9,838,721	23,013
High Yield Bond Fund		716,099.278				7,658,574	7,398,146	(260,428)
Oaktree Senior Loan Fund, L.P.						11,249,432	11,773,218	523,786
Paydenfunds - Emerging Markets Bond Fund		228,709.976				3,113,198	3,233,959	120,761
Stone Harbor Emerging Market		302,829.738				3,208,161	3,258,448	50,287
Vanguard ST Inflation Protected Securities Index		198,455.702				4,924,688	4,941,547	16,859
Total Fixed Income Funds						<u>39,969,761</u>	<u>40,444,039</u>	<u>474,278</u>
Alternatives								
Aether Investment Partners, LLC								
Aether Real Assets IV, LP						190,236	173,724	(16,512)
Commonfund								
CEP VII						277,663	799,723	522,060
CEP VIII						686,488	926,727	240,239
CNR VIII						1,032,549	1,089,409	56,860
CNR IX						851,250	790,841	(60,409)
CVP X						734,442	1,055,102	320,660
Constitution Capital								
Ironsides Co-Investment Fund III						901,141	1,095,850	194,709
Ironsides Partnership Fund III						171,536	178,385	6,849

UTAH STATE UNIVERSITY  
 ENDOWMENT POOL PORTFOLIO  
 September 30, 2016

Schedule B-1-B  
 Page 2 of 3

Description	Face Value	Number of Shares	Interest Rate	Date Acquired	Maturity Date	Cost	Fair Value	Unrealized Gain/(Loss)
Alternatives (continued)								
Global Infrastructure Partners								
Global Infrastructure Partners III-A/B, L.P.						\$569,994	\$544,601	(\$25,393)
GoldenTree								
GoldenTree Multi Sector Cayman, LTD						3,000,000	3,000,000	0
Goldman Sachs								
Vintage Fund VI						951,963	1,129,921	177,958
International Fund Services								
AQR International Equity Fund II, L.P.						8,000,000	8,051,363	51,363
Morgan Stanley								
JP Morgan Prime Property Fund		313.164				4,415,548	5,358,784	943,236
Pinehurst Institutional Ltd.								
Corbin		2,570.327				4,000,000	4,084,369	84,369
Solamere Capital								
Solamere Founders Fund I, LP						975,620	1,616,219	640,599
Solamere Founders Fund II, LP						1,052,662	1,093,177	40,515
Woodbury								
Woodbury Strategic Partners Fund, L.P.						1,741,430	2,014,624	273,194
Woodbury Capital II, LP						889,753	890,195	442
WSP Centre Point Co-Investors, LLC						119,938	65,203	(54,735)
WSP Wilmington, Phase I						100,000	100,000	0
WSP Wilmington, Phase II						334,414	334,414	0
Total Alternatives						<u>30,996,627</u>	<u>34,392,631</u>	<u>3,396,004</u>
Money Market Funds								
Money Market - 05374002						2	2	0
Goldman Sachs Bank Deposit						39,063	39,063	0
Total Money Market						<u>39,065</u>	<u>39,065</u>	<u>0</u>



UTAH STATE UNIVERSITY  
 ENDOWMENT POOL PORTFOLIO  
 September 30, 2016

Schedule B-1-B  
 Page 3 of 3

Description	Face Value	Number of Shares	Interest Rate	Date Acquired	Maturity Date	Cost	Fair Value	Unrealized Gain/(Loss)
Accrued Income / Other								
05374002								
Cash						\$8,588	\$8,588	\$0
Wells Fargo - High Yield						50,885	50,885	0
Wells Fargo - SPY						50,845	50,845	0
05374004								
Cash						364,497	364,497	0
Interest Accrual						49,521	49,521	0
Total Accruals						<u>524,336</u>	<u>524,336</u>	<u>0</u>
Total Endowment Pool						<u>\$128,864,521</u>	<u>\$149,377,001</u>	<u>\$20,512,480</u>

UTAH STATE UNIVERSITY  
SUMMARY OF ENDOWMENT POOL TRANSACTIONS  
For the Month of September 2016

Schedule B-2  
Page 1 of 1

Endowment Pool Transactions	Purchases		Sales			Earnings	
	Shares	Cost	Shares	Cost	Receipts		Gain/(Loss)
Cash Management Investment Pool							
Utah State University				\$3,781,942	\$3,781,942	\$0	\$10,824
CMIP Interest		\$10,824					
Equity funds							
Dimensional (DFA)	888.858	21,599					21,599
Vanguard Russell 3000	319.919	60,679					60,679
Vanguard FTSE All-World ex-US Index Fund	894.220	79,666					79,666
UTS SPDR Trust Ser 1 (SPY)							50,845
Fixed Income funds							
Longfellow		244,804		332,830	311,225	(21,605)	23,840
Wells Fargo							
High Yield Bond Fund	3,638.220	37,578					50,885
Paydenfunds - Emerging Markets Bond Fund	1,285.790	18,194					18,194
Alternatives							
Commonfund							
CEP VII		2,500		15,891	15,891	0	
CNR VIII		18,750		18,750	18,750	0	
CVP X		35,000		14,843	14,843	0	
Constitution Capital							
Ironsides Co-Investment Fund III				8,587	8,587	0	
Global Infrastructure Partners							
Global Infrastructure Partners III-A/B, L.P.		532,093					
GoldenTree							
GoldenTree Multi Sector Cayman, LTD		3,000,000					
Goldman Sachs							
Vintage Fund VI		110,000					
Morgan Stanley							
JP Morgan Prime Property Fund		51,793					51,793
Solamere Capital							
Solamere Founders Fund II, LP		101,763					
Woodbury							
Woodbury Capital II, LP		150,000					
Money Market Funds							
Goldman Sachs Bank Deposit		27		110,000	110,000	0	27
Accrued Income / Other							
05374002							
Cash		4,134,023		4,134,116	4,134,116	0	
Wells Fargo - High Yield		50,885					
UTS SPDR Trust Ser 1 (SPY)		50,845		37,578	37,578	0	
05374004							
Cash		338,804		246,366	246,366	0	
Interest Accrual		25,402		27,579	27,579	0	
<b>Total Endowment Pool Transactions</b>		<b>\$9,075,229</b>		<b>\$8,728,482</b>	<b>\$8,706,877</b>	<b>(\$21,605)</b>	<b>\$368,352</b>

UTAH STATE UNIVERSITY  
OTHER INVESTMENTS  
SUMMARY REPORT OF INVESTMENTS AND INVESTMENT INCOME

Schedule C-1

	Beginning Fair Value	Purchases	Sales Proceeds	Change in Fair Value	Ending Fair Value	Average Daily Fair Value	Total Interest and Dividends	Realized Gain or (Loss)	Total Realized Income
Jul 2016	\$97,827,697	\$8,342,402	\$8,230,530	\$1,671,982	\$99,611,551	\$98,719,624	\$277,650	\$2,912	\$280,562
Aug 2016	99,611,551	13,721,480	13,514,718	648,081	100,466,394	100,038,973	267,844	1,281	269,125
Sep 2016	100,466,394	3,977,500	3,544,576	(447,178)	100,452,140	100,459,267	432,682	733	433,415
Oct 2016									
Nov 2016									
Dec 2016									
Jan 2017									
Feb 2017									
Mar 2017									
Apr 2017									
May 2017									
Jun 2017									

Comparative Totals:

Year-to-date									
FY 2016-17	\$97,827,697	\$26,041,382	\$25,289,824	\$1,872,885	\$100,452,140	\$99,739,288	\$978,176	\$4,926	\$983,102
FY 2015-16	85,525,373	5,177,204	4,110,020	(1,069,569)	85,522,988	85,692,665	949,463	(17,121)	932,342
Amt Change					14,929,152	14,046,623	28,713	22,047	50,760
% Change					17.46%	16.39%	3.02%	128.77%	5.44%

UTAH STATE UNIVERSITY  
OTHER INVESTMENTS PORTFOLIO  
30 September 2016

Schedule C-1-A  
Page 1 of 4

Description	Face Value	Number of Shares	Interest Rate	Date Acquired	Maturity Date	Cost	Fair Value	Unrealized Gain/(Loss)
Corporate Bonds and Notes								
U.S. Treasury Bond	\$100,000		8.000%	11/15/91	11/15/21	\$125,313	\$133,785	\$8,472
						<u>125,313</u>	<u>133,785</u>	<u>8,472</u>
Utah Public Treasurers' Investment Fund			1.045%			845,954	845,954	0
						<u>845,954</u>	<u>845,954</u>	<u>0</u>
Fixed Income								
Wells Fargo								
Beaver County Utah School District		50,000.000				5,000,000	5,879,800	879,800
Chicago Ill Genl Obligation Bonds		10,000.000				1,060,567	1,122,640	62,073
Chicago Ill Genl Obligation Bonds		7,250.000				715,909	609,138	(106,771)
Chicago Ill Genl Obligation Bonds		10,000.000				1,030,170	834,600	(195,570)
Fresno California Water Sys Rev BAB		10,000.000				1,027,500	1,313,550	286,050
Southern Ill Univ Revs Build America Bonds		16,450.000				1,772,471	1,779,281	6,810
Assured Guarany Muni		10,000.000				936,000	795,000	(141,000)
AXA SA		10,000.000				1,019,450	1,089,580	70,130
Farmers Exchange Capital		3,500.000				425,460	412,675	(12,785)
Metlife Capital Trust X		4,730.000				685,613	680,505	(5,108)
Security Benefit Life		20,350.000				2,249,591	2,390,714	141,123
USF&G Capital I		10,000.000				1,328,720	1,370,900	42,180
Bank of America		5,000.000				575,000	512,815	(62,185)
MetLife Inc		5,000.000				540,625	553,440	12,815
Nationwide Financial Ser		10,000.000				1,040,000	1,065,000	25,000
Republic New York Corp		5,000.000				706,325	691,415	(14,910)
Wachovia		10,000.000				1,000,000	997,400	(2,600)
Zions Bancorp		10,000.000				1,000,000	968,750	(31,250)
Zions Bancorp		10,000.000				1,000,000	1,068,750	68,750
Bed Bath & Beyond Inc		5,000.000				443,170	483,450	40,280
ConocoPhillips		10,000.000				1,061,960	1,290,830	228,870
Diamond Offshore Drill		9,570.000				920,385	752,671	(167,714)
General Electric		11,840.000				1,055,181	1,210,640	155,459
Halliburton Company		10,000.000				1,264,270	1,295,750	31,480
Monsanto Co		12,500.000				994,563	1,193,762	199,199

UTAH STATE UNIVERSITY  
OTHER INVESTMENTS PORTFOLIO  
30 September 2016

Schedule C-1-A  
Page 2 of 4

Description	Face Value	Number of Shares	Interest Rate	Date Acquired	Maturity Date	Cost	Fair Value	Unrealized Gain/(Loss)
Fixed Income (continued)								
Oneok, Inc		5,000.000				\$467,784	\$485,000	\$17,216
Prudential Financial		10,000.000				972,100	1,078,800	106,700
Barclays Bank		20,000.000				1,980,000	2,178,160	198,160
BHP Billiton Fin USA Ltd		10,000.000				1,029,625	1,132,500	102,875
Electricite De France		10,000.000				1,001,400	977,600	(23,800)
Rio Tinto Fin USA LTD		11,000.000				978,978	1,287,935	308,957
Trans-Canada Pipelines		10,000.000				1,006,200	1,276,640	270,440
Xlit LTD		10,000.000				1,024,750	978,300	(46,450)
Equity Commonwealth Preferred		42,000.000				950,250	1,082,340	132,090
Public Storage		20,000.000				500,000	514,048	14,048
Allstate Corp		24,400.000				613,660	662,704	49,044
American Financial Group		60,000.000				1,500,000	1,621,200	121,200
Berkley (WR) Corporation		40,000.000				935,000	1,036,000	101,000
Capital One Financial		20,000.000				500,000	539,800	39,800
Charles Schwab		20,000.000				500,000	550,600	50,600
Citigroup Inc 5.800%		20,000.000				500,000	518,600	18,600
Cobank ACB 6.125%		13,000.000				1,235,000	1,319,500	84,500
Cobank ACB 6.250%		10,000.000				1,101,290	1,052,500	(48,790)
Hancock Holding Co		61,000.000				1,518,375	1,603,080	84,705
JP Morgan Chase & Co 6.125		60,120.000				1,499,994	1,628,651	128,657
JP Morgan Chase & Co 6.100		20,000.000				494,000	542,200	48,200
Qwest Corp 6.875%		100,000.000				2,494,400	2,705,000	210,600
Southern Co 6.25%		40,000.000				1,000,000	1,113,200	113,200
State Street Corp		80,000.000				2,000,000	2,142,400	142,400
Texas Capital Bancshares		40,000.000				990,000	1,049,600	59,600
Torchmark Corp 6.125		40,000.000				1,014,000	1,088,800	74,800
Wells Fargo & Co		20,000.000				483,000	535,000	52,000
Wells Fargo & Co		20,000.000				500,000	535,400	35,400
Western Alliance Bancorp 6.25% PFD		80,000.000				2,000,000	2,073,400	73,400
						<u>59,642,736</u>	<u>63,672,014</u>	<u>4,029,278</u>

UTAH STATE UNIVERSITY  
OTHER INVESTMENTS PORTFOLIO  
30 September 2016

Schedule C-1-A  
Page 3 of 4

Description	Face Value	Number of Shares	Interest Rate	Date Acquired	Maturity Date	Cost	Fair Value	Unrealized Gain/(Loss)
<b>Mutual Funds</b>								
American Funds CI A								
American Balanced Fund - Class A		739.204				\$12,853	\$18,451	\$5,598
AMCAP Fund-F1		2,427.941				65,835	65,627	(208)
The Growth Fund of America - Class A		253.365				8,486	11,168	2,682
The Growth Fund of America - Class A		14,623.042				489,768	644,584	154,816
The New Economy Fund-FundI		1,822.596				69,466	67,655	(1,811)
New World Fund-F1		1,034.060				51,509	55,808	4,299
Washington Mutual Investors Fund-F1		1,526.983				61,484	61,919	435
Commonfund								
CEU Title III								
Multi-Strategy Bond		354,966.957				4,442,336	5,339,586	897,250
Multi-Strategy Equity		44,339.936				4,162,794	13,432,451	9,269,657
Putnam Funds Class A								
Putnam High Yield CI-A		3,143.350				23,560	23,952	392
Vanguard								
500 Index Fund Admiral Shares		133.927				15,516	26,814	11,298
Total Bond Market Index Fund Admiral Shares		1,602.740				17,475	17,742	267
500 Index Fund Admiral Shares		136.175				15,638	27,264	11,626
Total Bond Market Index Fund Admiral Shares		2,124.650				23,166	23,520	354
						<u>9,459,886</u>	<u>19,816,541</u>	<u>10,356,655</u>
<b>Alternatives</b>								
Dakota Pacific Real Estate Group								
Dakota Pacific Real Estate						124,770	120,918	(3,852)
InvenTrust Properties								
Highlands REIT, Inc		18,843.839				6,784	6,784	0
InvenTrust Properties Corp		18,843.839				125,462	59,169	(66,293)
Morgan Stanley Smith Barney								
MS Opp Mortgage Inc Fund						2,000,000	2,038,554	38,554
vSpring								
Kickstart Seed Fund 1, L.P.						154,297	223,281	68,984
Woodbury								
Woodbury Strategic Partners Fund						602,469	660,313	57,844

UTAH STATE UNIVERSITY  
OTHER INVESTMENTS PORTFOLIO  
30 September 2016

Schedule C-1-A  
Page 4 of 4

Description	Face Value	Number of Shares	Interest Rate	Date Acquired	Maturity Date	Cost	Fair Value	Unrealized Gain/(Loss)
Alternatives (continued)								
Woodbury Capital II, LP						\$893,019	\$899,989	\$6,970
WSP Wilmington, Phase I						35,000	35,000	0
WSP Wilmington, Phase II						465,000	465,000	0
Xenia Hotels & Resorts								
Xenia		2355.000				51,986	35,749	(16,237)
						<u>4,458,787</u>	<u>4,544,757</u>	<u>85,970</u>
Money Market / Cash								
Edward Jones						2	2	0
Morgan Stanley Bank N.A.						147,124	147,124	0
Morgan Stanley						7	7	0
SEI - Prime Obligation Fund						75	75	0
Wells Fargo - Cash						6,097,732	6,097,732	0
Wells Fargo - Money Market						4,411,681	4,411,681	0
						<u>10,656,621</u>	<u>10,656,621</u>	<u>0</u>
Receivable / In Transit / Unsettled Purchases								
Commonfund						80,046	80,046	0
Morgan Stanley - Unsettled Purchases						3,368	3,368	0
Wells Fargo - Receivable						696,054	696,054	0
U.S. Treasury Bond						3,000	3,000	0
						<u>782,468</u>	<u>782,468</u>	<u>0</u>
Total Other Investments						<u>\$85,971,765</u>	<u>\$100,452,140</u>	<u>\$14,480,375</u>

UTAH STATE UNIVERSITY  
SUMMARY OF OTHER INVESTMENT TRANSACTIONS  
For the Month of September 2016

Schedule C-2  
Page 1 of 2

	Purchases		Sales			Gain/(Loss)	Earnings
	Shares	Cost	Shares	Cost	Receipts		
<u>Other Investments</u>							
Corporate Bonds and Notes							
U.S. Treasury Bond							\$652
Common and Preferred Stock							
Morgan Stanley							
American Funds The Growth Fund of America	137.000	\$6,027	137.000	\$6,027	\$6,016	(\$11)	
Apple Inc	9.000	1,013	9.000	1,013	908	(105)	
General Electric Company	4,100.000	126,813	4,100.000	126,813	125,798	(1,015)	
General Electric Company	17,000.000	503,965	17,000.000	503,965	503,826	(139)	
General Electric Company	2,022.000	60,013	2,022.000	60,013	59,320	(693)	
Home Depot Inc	20.000	2,569	20.000	2,569	2,460	(109)	
iShares Gold Trust	800.000	10,340	800.000	10,340	10,073	(267)	
Utah Public Treasurers'							
Investment Fund		736					736
Fixed Income							
Farmers Exchange Capital	3,500.000	425,460					
Republic New York Corp	5,000.000	706,325					
Wells Fargo - Earnings							348,619
Mutual Funds							
American Funds CI A							
American Balanced Fund - Class A							74
Washington Mutual Investors Fund-F1	6.904	276					276
Commonfund							
CEU Title III							
Multi-Strategy Bond			86.159	974	1,296	322	43,342
Multi-Strategy Equity			11.380	697	3,447	2,750	36,704
Putnam Funds Class A							
Putnam High Yield CI-A	38.354	290					290
Vanguard							
500 Index Fund Admiral Shares	0.596	119					119
Total Bond Market Index Fund Admiral Shares	9.371	104					104
500 Index Fund Admiral Shares	0.606	121					121
Total Bond Market Index Fund Admiral Shares	12.424	138					138
Alternatives							
Woodbury							
Woodbury Capital II, LP		150,000					
Xenia Hotels & Resorts							
Xenia							648





UTAH STATE UNIVERSITY  
 ENDOWMENT TRUSTS  
 SUMMARY REPORT OF INVESTMENTS AND INVESTMENT INCOME

Schedule D-1

	Beginning Fair Value	Purchases	Sales Proceeds	Change in Fair Value	Ending Fair Value	Average Daily Fair Value	Total Interest and Dividends	Realized Gain or (Loss)	Total Realized Income	Less Expenses	Net Realized Income/(Loss)
Jul 2016	\$5,606,497	\$258,238	\$236,893	\$87,233	\$5,715,075	\$5,660,786	\$21,997	\$25,295	\$47,292	\$652	\$46,640
Aug 2016	5,715,075	24,886	7,765	(33,260)	5,698,936	5,707,006	24,873	0	24,873	76	24,797
Sep 2016	5,698,936	330,429	311,391	(46,469)	5,671,505	5,685,221	19,064	(1)	19,063	25	19,038
Oct 2016											
Nov 2016											
Dec 2016											
Jan 2017											
Feb 2017											
Mar 2017											
Apr 2017											
May 2017											
Jun 2017											
<hr/>											
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Comparative Totals:

Year-to-date											
FY 2016-17	\$5,606,497	\$613,553	\$556,049	\$7,504	\$5,671,505	\$5,684,337	\$65,934	\$25,294	\$91,228	\$753	\$90,475
FY 2015-16	6,163,191	611,053	541,827	(740,124)	5,492,293	5,894,223	77,586	19,584	97,170	750	96,420
Amt Change					179,212	(209,886)	(11,652)	5,710	(5,942)	3	(5,945)
% Change					3.26%	-3.56%	-15.02%	29.16%	-6.12%	0.40%	-6.17%

Note: Endowment Trusts include externally managed endowment trusts.

UTAH STATE UNIVERSITY  
 ENDOWMENT TRUSTS PORTFOLIO  
 30 September 2016

Schedule D-1-A  
 Page 1 of 3

Description	Number of Shares	Cost	Fair Value	Unrealized Gain/(Loss)
Common and Preferred Stock				
Abbvie Inc Com	1,300.000	\$73,930	\$81,991	\$8,061
Altria Group Inc.	1,000.000	16,108	63,230	47,122
Amgen Inc	700.000	106,695	116,767	10,072
Apple Inc	4,050.000	336,848	457,853	121,005
AT & T Inc	2,600.000	85,707	105,586	19,879
BCE Inc (NEW)	2,450.000	107,108	113,141	6,033
Blackstone Group LP	12,800.000	544,799	326,784	(218,015)
BP Plc. Ads	8,000.000	402,692	281,280	(121,412)
Briston Myers Squibb Co.	3,700.000	207,642	199,504	(8,138)
CenturyLink Inc.	6,800.000	248,010	186,524	(61,486)
Chevron Corp	3,100.000	318,906	319,052	146
ConocoPhillips	4,500.000	285,535	195,615	(89,920)
Enterprise Prod Partners	2,800.000	78,049	77,364	(685)
General Electric	17,900.000	178,339	530,198	351,859
Glaxosmithkline PLC ADS	8,400.000	392,297	362,292	(30,005)
iShares S&P US Pft Stock	4,400.000	171,198	173,800	2,602
JP Morgan Chase & Co	5,800.000	247,480	386,222	138,742
Merck & Co Inc. New Com	3,600.000	165,524	224,676	59,152
PBF Energy Inc	8,800.000	206,400	199,232	(7,168)
PJT Partners Inc Com Class A	320.000	1,219	8,726	7,507
Prospect Capital Corp	19,500.000	203,690	157,950	(45,740)
SeaDrill Ltd.	12,500.000	404,045	29,625	(374,420)
SeaDrill Partners LLC	16,500.000	468,619	58,245	(410,374)
Teva Pharmaceuticals ADR	2,200.000	119,682	101,222	(18,460)
Vaneck Vectors Preferred Sec	13,700.000	282,312	284,207	1,895
Vodafone Group PLC	4,527.000	239,344	131,962	(107,382)
Zions Bancorp	4,500.000	138,225	139,590	1,365
Acadian Emerging Markets	41.676	789	721	(68)
Causeway Intl Value Fund I	189.223	3,057	2,664	(393)
Delaware US Growth Fd	64.111	1,429	1,627	198

UTAH STATE UNIVERSITY  
 ENDOWMENT TRUSTS PORTFOLIO  
 30 September 2016

Schedule D-1-A  
 Page 2 of 3

Description	Number of Shares	Cost	Fair Value	Unrealized Gain/(Loss)
Common and Preferred Stock (continued)				
Goldman Sacs Small Cap Value Fund	10.603	\$532	\$594	\$62
Harbor International Fund Class	47.766	3,014	2,973	(41)
Invesco Small Cap Growth Fund	16.732	600	640	40
JP Morgan Small Cap Equity Fund	34.077	1,510	1,706	196
Lazard Intl Equity Port - Instl #632	160.723	2,832	2,744	(88)
MFS Value Fund	81.150	2,361	2,886	525
Northern Mid Cap Index Fund	289.692	4,277	5,136	859
T Rowe Price Equity Income	94.389	2,794	2,941	147
T Rowe Price Institutional Large CP Growth	107.447	2,261	3,138	877
500 Index Fund Admiral Shares	55.128	8,389	11,037	2,648
Wells Fargo Advantage Growth Fund	36.467	1,677	1,739	62
Acadian Emerging Markets	41.669	789	721	(68)
Causeway Intl Value Fund I	189.193	3,056	2,664	(392)
Delaware US Growth Fd	64.100	1,429	1,626	197
Goldman Sacs Small Cap Value Fund	10.601	532	593	61
Harbor International Fund Class	47.759	3,013	2,973	(40)
Invesco Small Cap Growth Fund	16.726	600	640	40
JP Morgan Small Cap Equity Fund	34.072	1,510	1,705	195
Lazard Intl Equity Port - Instl #632	160.697	2,832	2,743	(89)
MFS Value Fund	81.138	2,361	2,885	524
Northern Mid Cap Index Fund	289.644	4,276	5,135	859
T Rowe Price Equity Income	94.374	2,793	2,941	148
T Rowe Price Institutional Large CP Growth	107.429	2,261	3,137	876
500 Index Fund Admiral Shares	55.119	8,388	11,035	2,647
Wells Fargo Advantage Growth Fund	36.463	1,676	1,739	63
		6,101,441	5,393,721	(707,720)
Mutual Funds				
Dodge & Cox Income Fund Com #147	2,343.513	32,542	32,481	(61)
Federated Total Return Bond Fund	2,912.350	33,028	32,444	(584)

UTAH STATE UNIVERSITY  
 ENDOWMENT TRUSTS PORTFOLIO  
 30 September 2016

Schedule D-1-A  
 Page 3 of 3

Description	Number of Shares	Cost	Fair Value	Unrealized Gain/(Loss)
Mutual Funds (continued)				
Metropolitan West Total Return Bond Fund	2,929.536	\$32,041	\$32,284	\$243
Wells Fargo Advantage Core Bond Fund	2,496.543	32,044	32,954	910
Dodge & Cox Income Fund Com #147	2,343.139	32,536	32,476	(60)
Federated Total Return Bond Fund	2,911.883	33,022	32,438	(584)
Metropolitan West Total Return Bond Fund	2,929.072	32,036	32,278	242
Wells Fargo Advantage Core Bond Fund	2,496.142	32,039	32,949	910
		<u>259,288</u>	<u>260,304</u>	<u>1,016</u>
Money Market & Cash Funds				
Morgan Stanley Bank N.A.		13,898	13,898	0
Wells Fargo #451		1,791	1,791	0
Wells Fargo #451		1,791	1,791	0
		<u>17,480</u>	<u>17,480</u>	<u>0</u>
Total Endowment Trusts		<u>\$6,378,209</u>	<u>\$5,671,505</u>	<u>(\$706,704)</u>

UTAH STATE UNIVERSITY  
SUMMARY OF ENDOWMENT TRUST INVESTMENT TRANSACTIONS  
For the Month of September 2016

Schedule D-2  
Page 1 of 1

	Purchases		Sales			Earnings	
	Shares	Cost	Shares	Cost	Receipts		Gain/(Loss)
<u>Endowment Trusts</u>							
Common and Preferred Stock							
Bristol Myers Squibb Co.	3,700.000	\$207,642					
iShares S&P US Pft Stock			2,600.000	\$101,162	\$101,429	\$267	
Acadian Emerging Markets			66.652	1,274	1,140	(134)	
MFS Value Fund	0.297	10					
T Rowe Price Equity Income	0.543	17					
500 Index Fund Admiral Shares	0.245	49					
Acadian Emerging Markets			66.641	1,274	1,140	(134)	
MFS Value Fund	0.297	10					
T Rowe Price Equity Income	0.543	17					
500 Index Fund Admiral Shares	0.245	49					
Funds held at Morgan Stanley - Dividends						\$18,045	
Funds held at Wells Fargo - Dividends						161	
Mutual Funds							
Dodge & Cox Income Fund Com #147	17.620	244					
Federated Total Return Bond Fund	7.952	89					
Metropolitan West Total Return Bond Fund	4.532	50					
Wells Fargo Advantage Core Bond Fund	3.408	45					
Dodge & Cox Income Fund Com #147	17.618	244					
Federated Total Return Bond Fund	7.951	89					
Metropolitan West Total Return Bond Fund	4.532	50					
Wells Fargo Advantage Core Bond Fund	3.406	45					
Funds held at Wells Fargo - Dividends						856	
Money Market & Cash Funds							
Morgan Stanley Bank N.A.		119,475		207,682	207,682	0	
Wells Fargo #451		1,152					
Wells Fargo #451		1,152					
Total Endowment Trusts		<u>\$330,429</u>		<u>\$311,392</u>	<u>\$311,391</u>	<u>(\$1)</u>	<u>\$19,064</u>

UTAH STATE UNIVERSITY  
PLANT FUND TRUSTS  
SUMMARY REPORT OF INVESTMENTS AND INVESTMENT INCOME

Schedule E-1

	Beginning Fair Value	Purchases	Sales Proceeds	Change in Fair Value	Ending Fair Value	Average Daily Fair Value	Total Interest Income	Realized Gain or (Loss)	Total Realized Income	Less Expenses	Net Realized Income/(Loss)
Jul 2016	\$67,903,805	\$40,254,278	\$42,275,778	(\$12,161)	\$65,870,144	\$68,833,357	\$53,567		\$53,567		\$53,567
Aug 2016	65,870,144	64,109	1,675,300	(1,974)	64,256,979	65,224,093	60,808		60,808		60,808
Sep 2016	64,256,979	4,131,842	3,651,487	(19,871)	64,717,463	64,817,948	61,935		61,935		61,935
Oct 2016											
Nov 2016											
Dec 2016											
Jan 2017											
Feb 2017											
Mar 2017											
Apr 2017											
May 2017											
Jun 2017											
<hr/> <hr/>											
Comparative Totals:											
Year-to-date											
FY 2016-17	\$67,903,805	\$44,450,229	\$47,602,565	(\$34,006)	\$64,717,463	\$66,291,799	\$176,310	\$0	\$176,310	\$0	\$176,310
FY 2015-16	19,981,232	76,489,818	31,421,168	112,839	65,162,721	44,227,725	84,043	0	84,043	0	84,043
Amt Change					(445,258)	22,064,074	92,267	0	92,267	0	92,267
% Change					-0.68%	49.89%	109.79%	0.00%	109.79%	0.00%	109.79%

Note: Plant Fund Trusts include all debt service reserve and construction fund accounts in compliance with bond issue covenants.

UTAH STATE UNIVERSITY  
 PLANT TRUSTS PORTFOLIO  
 30 September 2016

Schedule E-1-A

Description	Face Value	Number of Shares	Interest Rate	Date Acquired	Maturity Date	Cost	Fair Value	Unrealized Gain/(Loss)
Wells Fargo								
Federal Home Loan Bank	830,000		2.90%	03/15/16	02/03/26	\$832,864	\$830,864	(\$2,000)
Riverton City Bonds	1,300,000		5.25%	08/14/13	12/01/39	1,355,276	1,530,542	175,266
Heritage Money Market			Variable			5	5	0
Cash						1,701,943	1,701,943	0
						<u>3,890,088</u>	<u>4,063,354</u>	<u>173,266</u>
Public Treasurers' Investment Fund								
Utah Public Treasurers' Investment Fund			1.045%			60,654,109	60,654,109	0
						<u>60,654,109</u>	<u>60,654,109</u>	<u>0</u>
Total Plant Trusts						<u>\$64,544,197</u>	<u>\$64,717,463</u>	<u>\$173,266</u>

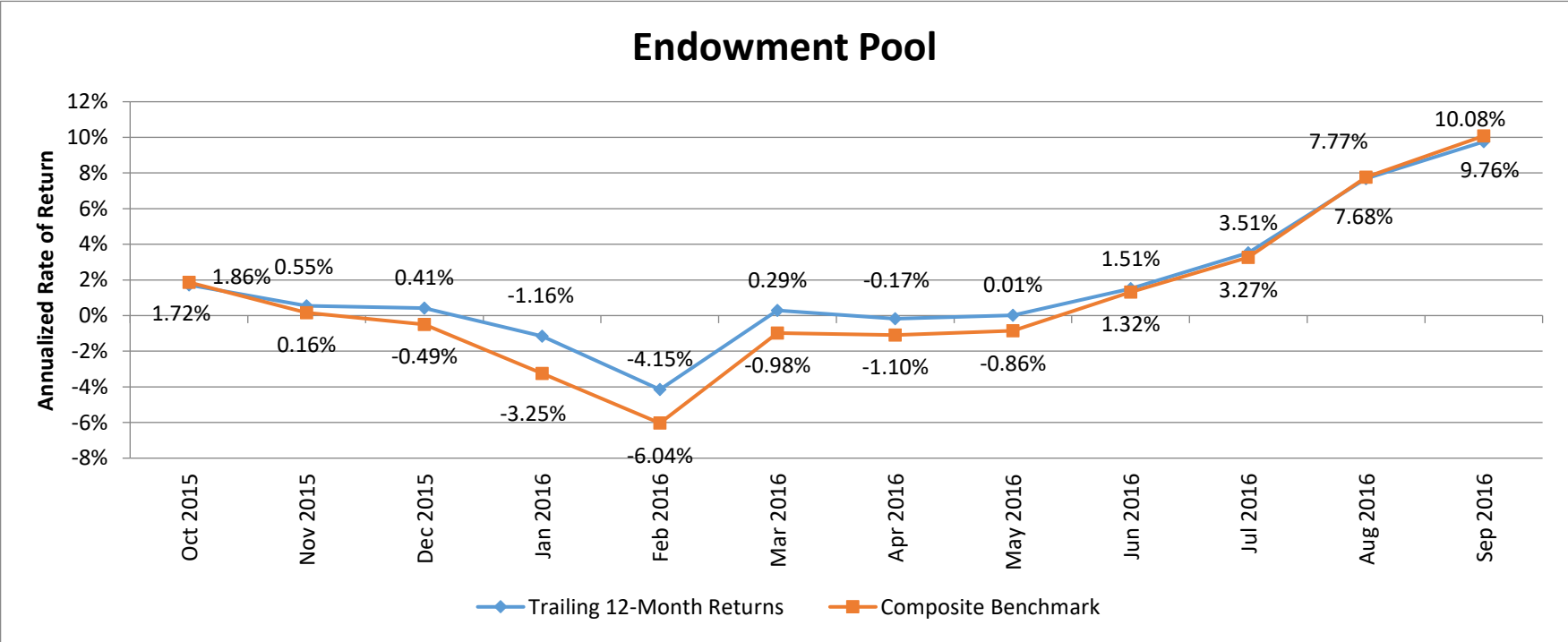


UTAH STATE UNIVERSITY  
SUMMARY OF PLANT TRUST INVESTMENT TRANSACTIONS  
For the Month of September 2016

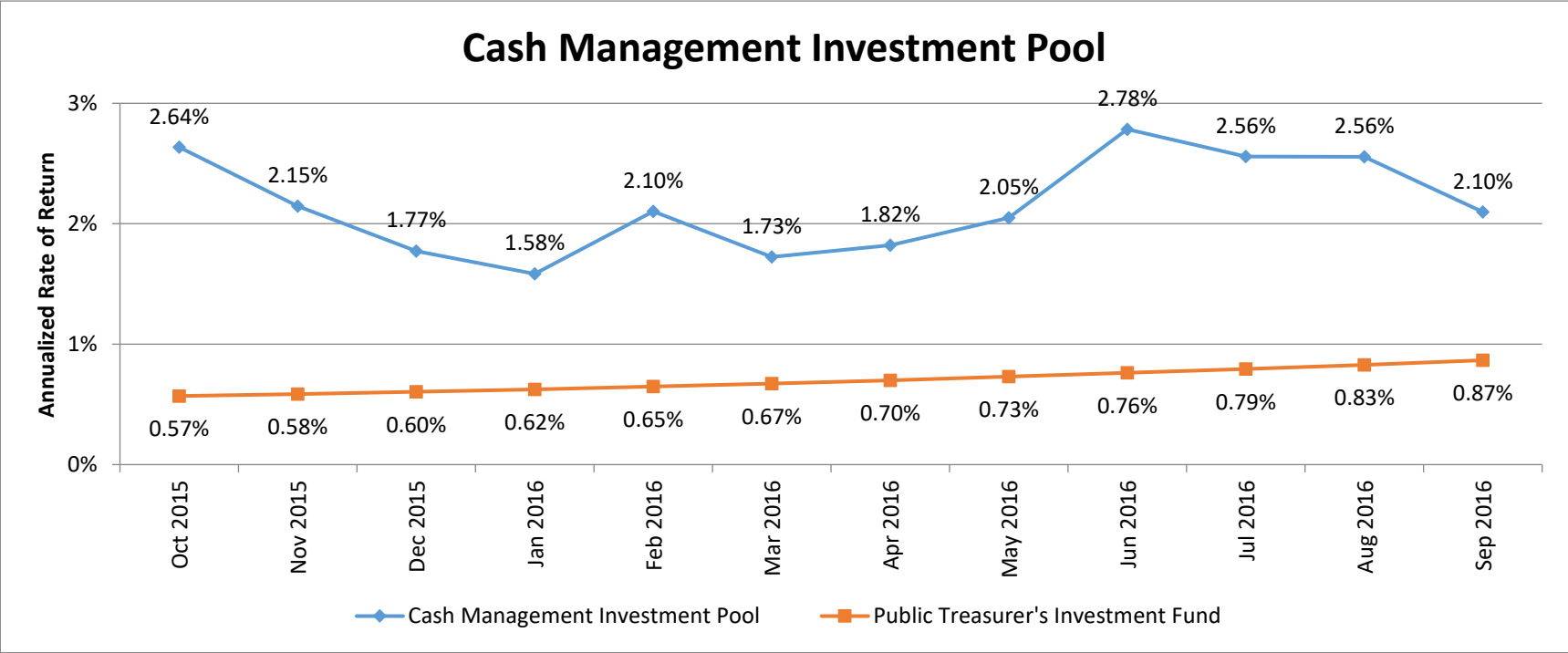
Schedule E-2

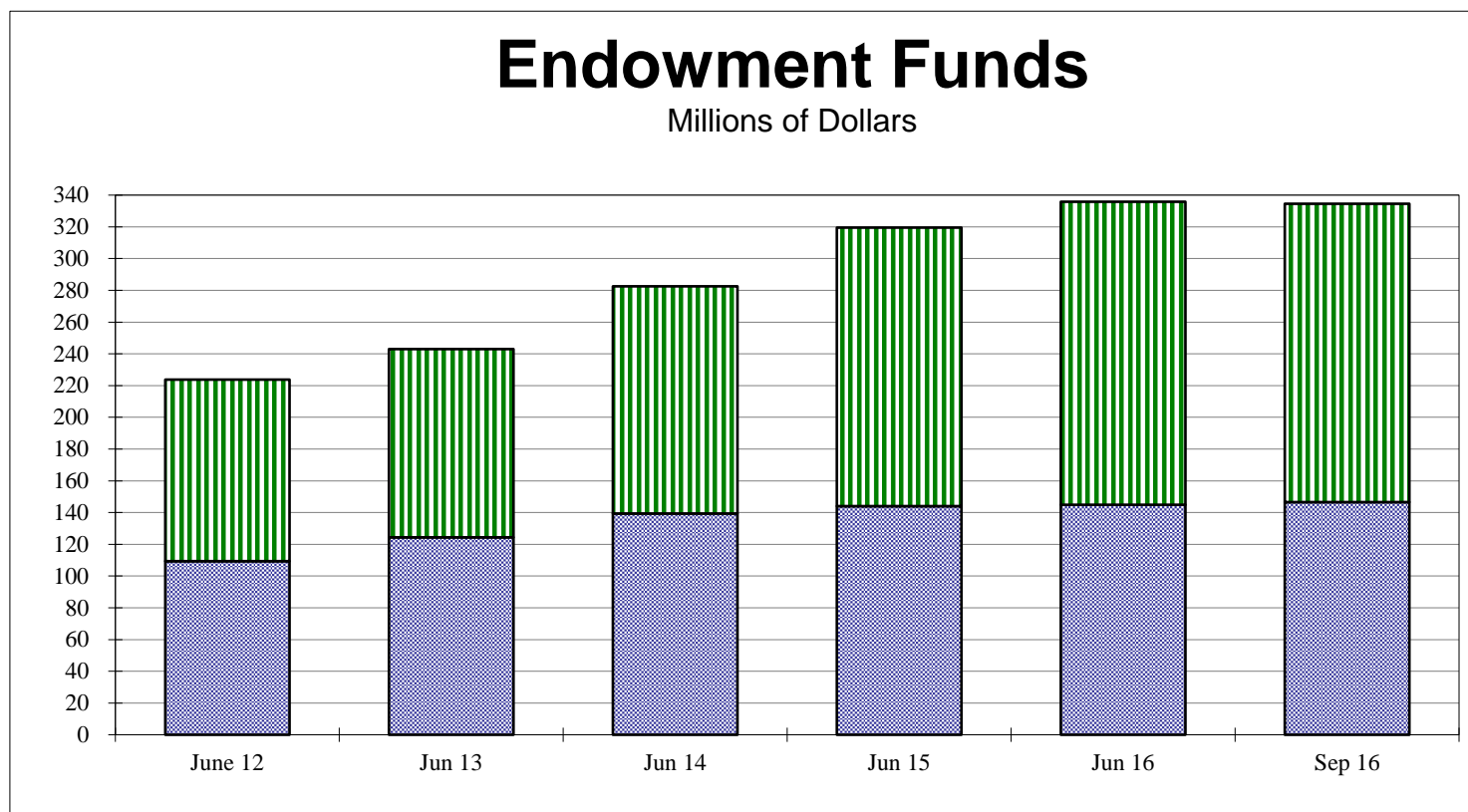
	Purchases		Sales			Earnings
	Shares	Cost	Shares	Cost	Receipts	
<u>Plant Trusts</u>						
Wells Fargo						
Federal Home Loan Bank						\$2,006
Riverton City Bonds						5,687
Heritage Money Market						
Cash		\$2,860,360		\$1,258,877	\$1,258,877	\$0
Utah Public Treasurers' Investment Fund		1,271,482		2,392,610	2,392,610	0
Total Plant Trusts		<u>\$4,131,842</u>		<u>\$3,651,487</u>	<u>\$3,651,487</u>	<u>\$0</u>

Summary of Total Investment Returns  
 Endowment Pool  
 Trailing 12-Month Return



Summary of Total Investment Returns  
Cash Management Investment Pool  
Trailing 12-Month Return





	Fair Value	Fair Value	Fair Value	Fair Value	Fair Value	Fair Value
Quasi Endowment	\$114.3	\$118.7	\$143.1	\$175.5	\$190.9	\$188.0
True Endowment	109.4	124.3	139.4	144.1	145.0	146.6
Total	\$223.7	\$243.0	\$282.5	\$319.6	\$335.9	\$334.6

\*As of July 1, 2010 the balances above reflect USU and USU Eastern Endowment balances.

ITEM FOR ACTION

Re: Re-appointments to the Utah State University Research Foundation

Recommendation for re-appointment to Research Foundation Board

EXECUTIVE SUMMARY

Utah State University Research Foundation (USURF) Board submits to the President of Utah State University and the Utah State University Board of Trustees recommendations to appoint individuals to the USURF Board. These recommendations are consistent with Article VI of the Amended and Restated Articles of Incorporation and Article II, Sections 4 and 5, and Article III, Sections 1 and 2, of the Amended Bylaws of USURF. This recommendation was made by a resolution of the majority of the USU Research Foundation Board after appropriate review and discussion.

RECOMMENDATIONS

The USU Research Foundation Board recommends the re-appointment of Mr. Lynn W. Heninger as Trustee to the Utah State University Research Foundation Board for an additional three (3) year term beginning when his current term expires.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

*WHEREAS*, the term of Mr. Lynn W. Heninger as Trustee for the Utah State University Research Foundation expires February 2017; and

*WHEREAS*, Mr. Heninger's service as Trustee has been very beneficial to the Foundation; and

*WHEREAS*, the Foundation recommends it would be beneficial for his service as Trustee to continue;

*NOW, THEREFORE, BE IT RESOLVED*, that the President of Utah State University and the Utah State University Board of Trustees hereby approve Mr. Lynn W. Heninger's re-appointment to the Utah State University Research Foundation Board for a three (3) year term beginning February 2017.

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RESOLUTION APPROVED BY THE USU BOARD OF TRUSTEES:

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Date

**Biographical Data**  
**Lynn W. Heninger**  
**President, Carriage Hill Consulting**



Lynn W. Heninger works as an independent consultant/Lobbyist in his own firm, Carriage Hill Consulting. His focus is on civil and defense aerospace issues.

Prior to starting his own firm in 2011 he was Vice President of Government Relations, Defense and Aerospace at Kimmitt, Senter, Coates and Weinfurter (KSCW). He joined this government relations and consulting firm in November 2009 with a focus on civil space and defense issues.

Prior to joining KSCW Mr. Heninger worked at ATK Washington Operations as the Director of Legislative Liaison, Space, since April 2001 when ATK acquired Thiokol Propulsion from Alcoa. Mr. Heninger had served in the same position with Thiokol since 1999. Mr. Heninger came to Thiokol after a long career with NASA, most recently as the Deputy Associate Administrator for Legislative Affairs, a position he held since December 1987.

Mr. Heninger had extensive experience with NASA. He started at the Johnson Space Center as a Program Analyst from 1968-1970. In 1977 he rejoined NASA's Office of Space Science, as Chief of Program Support, and four years later moved to the Office of Legislative Affairs where he has served as a Legislative Affairs Specialist, Director of the Liaison Division, and as the Deputy Associate Administrator.

Mr. Heninger also has work experience as a Budget Analyst with the Department of Transportation (1970-1972), as a Project Director with the Economics Department at Utah State University (1972-1975) and as an Organizational Development Specialist with the United Nations in Bogota, Colombia.

Mr. Heninger was born and raised in Logan, Utah, and received both his BS Degree (1964) and MBA (1970) from Utah State University. After graduating from college, he served in the U.S. Army for three years as an artillery officer and helicopter pilot, including a tour in Vietnam with the 1<sup>st</sup> Infantry Division.

Lynn is married to the former Colleen Johnson and they have five children – Jeffrey, Camille Flint, Diana Tanner, Patricia Jones, Natalie Kennedy and 18 grandchildren.

## **WRITTEN REPORTS**

1. Advancement/Alumni
2. Athletics
3. Business and Finance
4. Executive Vice President and Provost
5. Extension and College of Agriculture
6. Faculty Senate
7. Public Relations and Marketing
8. Research and Graduate Studies
9. Staff Employee Association
10. Student Services
11. USU Eastern
12. USUSA



## Vice President for University Advancement

Name: Neil Abercrombie, David T. Cowley  
Telephone: 797-0257, 797-1146  
E-mail: [neil.abercrombie@usu.edu](mailto:neil.abercrombie@usu.edu), [dave.cowley@usu.edu](mailto:dave.cowley@usu.edu)  
Date: 6 January 2017

*Events, Actions, or Issues since Last Trustee's Meeting*

### **Advancement:**

- Advancement has filled several positions this fall
  - Andrew Dickinson, Major Gifts Officer, Athletics
  - Justin Barton, Major Gifts Officer, Humanities and Social Sciences
- There are currently two positions open in the following areas
  - Caine College of the Arts, Development Officer. The search is complete and they should be extending an offer in the near future.
- Planned Giving realized \$2.2 million from bequests in the current fiscal year. Additionally, two charitable gift annuities were established with a total value of \$600,000 and seven new estate gifts were identified with a known value of \$2.3 million.
- The Personal Financial Workshop series offered by the Planned Giving program held 18 workshops in Logan and Salt Lake City during the first half of fiscal year 2017. These programs were offered to Utah State alumni and friends and had 431 participants.
- The Advancement suite in Maverik Stadium proved very beneficial in stewarding donors, engaging alumni and friends, and providing opportunities for development work. Throughout the course of the season 146 people watched the games from the suite and another 386 watched the games in the stands.
- Major funding projects that have our focus include identifying lead gifts and naming opportunities for spaces within the Sorenson Legacy Foundation Center for Clinical Excellence and the Life Sciences building.

### **Alumni Relations:**

- Campus activities
  - Began sales of the USU Dowdle puzzle
  - Completed the second year of the Tailgater of the Year program
  - Produced annual Alumni calendar
  - Provided support for the Old Main Society ceremony
  - Ongoing support for USU Emeriti Association

- Off campus events
  - Attended nation-wide open houses to support the USU Admissions office and to connect with alumni
  - Completed the Revolutionary War history tour with alumni. Professor Ross Peterson was the tour guide
  - Participated in pre-game activities at away football and basketball games

**Fundraising Progress (Comparison of fiscal years 2015-16 to 2016-17)**

**07/01/15 to 09/29/15**

<b>Donor Type</b>	<b>Total</b>	<b>% of Total</b>	<b># of Gifts</b>	<b># of Donors</b>	<b>% of Donors</b>
Alumni	\$5,257,165	42%	4,003	3,014	56%
Corporation	\$3,106,301	25%	542	3,449	7%
Foundation	\$2,873,407	23%	163	84	2%
Individual	\$615,519	5%	2,021	1,443	27%
Other Org	\$639,396	4%	133	52	1%
Parent	\$103,136	.82%	574	343	6%
Student	\$4,631	.04%	88	68	1%
<b>Total</b>	<b>\$12,599,555</b>		<b>7,524</b>	<b>5,353</b>	

**07/01/16 to 09/29/16**

<b>Donor Type</b>	<b>Total</b>	<b>% of Total</b>	<b># of Gifts</b>	<b># of Donors</b>	<b>% of Donors</b>
Alumni	\$3,429,945	20%	3,263	2,881	58%
Corporation	\$4,264,578	25%	547	348	7%
Foundation	\$5,335,123	32%	151	89	2%
Individual	\$986,737	6%	1,759	1,267	25%
Other Org	\$1,138,268	7%	98	44	1%
Parent	\$1,580,401	9%	357	255	5%
Student	\$16,044	.10%	117	105	2%
<b>Total</b>	<b>\$16,751,096</b>		<b>6,292</b>	<b>4,989</b>	

# UTAH STATE

## ATHLETICS

Name: John Hartwell  
Telephone: 797-2060  
E-mail: john.hartwell@usu.edu  
Date: December 9, 2016

### Events, Actions, or Issues Since Last Trustee Meeting



### SPORTS UPDATES

**Women's Soccer** - Utah State soccer concluded its season in the semifinals of the Mountain West Championship, losing to the eventual champions. The Aggies finished their 2016 campaign with a 12-9-0 overall record, while going 7-4-0 in Mountain West action. Utah State finished fourth in the league standings.

**Volleyball** – Utah State finished the year with an overall mark of 14-16, including an 8-10 ledger in the Mountain West. The 8-10 Mountain West record was good for seventh place in the Mountain West, which was a significant improvement from the previous year's last-place finish.

**Cross Country** – Utah State's men's and women's cross country teams ranked eighth and 10th, respectively, in the Mountain Region cross country rankings. They finished fourth and sixth, respectively, in the Mountain West conference. Both cross country teams went on to conclude their seasons by placing eighth in the team standings at the 2016 NCAA Mountain Region Championships. Dillon Maggard represented Utah State at the 2016 NCAA Cross Country National Championships, where he earned the third cross country All-America honor and second men's All-America honor in school history with a 12<sup>th</sup> place finish.



## Vice President for Business and Finance

Name: David T. Cowley  
Telephone: 797-1146  
E-mail: [dave.cowley@usu.edu](mailto:dave.cowley@usu.edu)  
Date: 6 January 2017

*Events, Actions, or Issues since Last Trustee's Meeting:*

### **FINANCE**

- The State Appropriated Funds budget at 30 September 2016 totaled \$374,675,183, up \$18,033,309 (5.06%) over the same 2015-2016 period. The year-to-date state appropriated funds expenditures totaled \$82,250,730, up \$6,451,650 (8.51%) over the same 2015-2016 period and represented 22% of the total budget. The percent of budget expended, 22%, was 3% less than would be expected to be spent on a strict time of budget year expired basis. Total expenditures for all funds totaled \$195,371,570, up \$11,134,601 (6.04%) over the same 2015-2016 period.
- Report of Investments for September 2016 is included in the Trustees Consent Agenda. Included in the Report of Investments are schedules reporting the investment activity for September 2016 and comparative year-to-date totals for FY2016-2017 and FY2015-2016. The schedules include the Cash Management Investment Pool, Endowment Pool, Other Investments, Endowment Trusts, and Plant Fund Trusts. Also included is the Summary of Investment Transactions. The University's average daily fair value invested for the month of September was \$658,914,284. Purchases totaled \$60,870,000 and sales totaled \$22,620,331. From this activity the University realized net losses of \$20,873 and earnings of \$1,342,333. The Cash Management Investment Pool trailing 12-month rate of return, was 2.10% at 30 September 2016. The Endowment Pool trailing 12-month rate of return, was 9.76% at 30 September 2016.

### **FACILITIES**

#### **Fine Arts Addition and Renovation**

- Sparano Mooney was selected as the architect
- Gramoll Construction was selected as the Construction Manager / General Contractor (CMGC)
- The Scene Shop addition, Kent Concert Hall, Tippets Gallery, and court yard are under construction
- Design is underway for Kent Concert Hall Lobby and Museum renovation and addition

#### **Kaysville Education Center Classroom Addition**

- CSRA Architects was selected as the design team
- Davis County Extension received funding to assist with the project
- Programing and design and contractor selection are underway

#### **Valley View Housing Replacement**

- Method Studio was selected as the design team

- Programing and design are complete and construction is underway

### **Sorenson Legacy Foundation Center for Clinical Excellence**

- Jacoby Architects was selected as the design team
- R&O Construction was selected as the CMGC
- Programing is complete, design is nearing completion, and construction is underway

### **Space Dynamics Lab**

- CRSA Architects was selected as the design team
- R&O Construction was selected as the CMGC
- Programing is complete
- Design and construction are underway

### **Life Sciences**

- CRSA Architects / Payette have completed the programing
- VCBO was selected as the design team and design is underway
- Jacobsen Construction was selected as the CMGC
- Construction will begin in May 2017

## **INFORMATION TECHNOLOGY**

### **Utah State just completed its most significant Banner system upgrade in a decade**

- Utah State has been upgrading its Ellucian Banner Enterprise Resource Planning (ERP) system. This ERP software is used to manage a wide variety of information crucial to the operation of the university. For a number of reasons which are beyond USU's control, old versions of the software have become very difficult to support. Continued use of the outdated software is not just risky, but no longer a viable option.
- Utah State transitioned the university's Human Resource system earlier this year, and on Dec. 7 it successfully upgraded the remaining components, including the Finance, Student Records, and Accounts Receivable systems. Upgrading the software to Banner XE was no trivial endeavor. The transition required the ongoing cooperation, testing, input, training, and the contributions of many across campus.
- Instead of falling into a technology deficit, USU is taking a proactive approach by upgrading Banner systems now. In fact, it is one of the first universities in the nation to do so. The complex transition, completed this month was the most significant system upgrade to take place at USU for a decade.

### **New custom software package developed by and for USU simplifies time tracking**

- Trees will be spared and thousands of hours will be saved thanks to a new custom software package called MyTime that has been launched campus wide.
- The software simplifies a number of processes for USU employees and HR personnel.
  - Leave requests and "hours worked exceptions" may now be submitted online, with supervisors being able to approve requests via email or online, eliminating some of the paperwork that had often been a part of the process.
  - MyTime automatically feeds the employee's leave and exception requests into a weekly time sheet. Once the employee reviews and certifies the hours worked are

correct, they submit their time sheet electronically to their supervisor for approval, via email.

- Before the university runs payroll, each employee's leave requests and compensatory time accumulations are automatically fed into the Banner system.
- It is estimated that MyTime will save more than 1,500 work hours per year at USU. This software was created by USU ServiceNow developers, and was built, in part, to prepare for USU's implementation of the Fair Labor Standards Act, along with the need to standardize the university's requesting, approving, and reporting of leave and compensatory time incurred.

06 January 2017

## Events, Actions, or Issues Since the Last Trustee's Meeting

Drawing upon its important collection of twentieth century ceramic objects, this fall the Nora Eccles Harrison Museum of Art featured *Lighting the Fire: Ceramics Education in the American West*, which examined the significant contributions of potters who taught in universities and studios in the American West. The exhibition surveyed the work of over 20 ceramic artists who, through their teaching philosophies, inspired generations of students to push the boundaries of the medium. The works presented illustrated how these innovative educators positioned clay as a fine art medium in the mid-twentieth century.

College of Science's Executive Associate Dean Lisa M. Berreau, professor in the Department of Chemistry and Biochemistry, was named a Fellow of the American Association for the Advancement of Science, one of the nation's top science honors. An inorganic chemist, Dr. Berreau investigates the role metal ions play in human health and the environment. She will be formally recognized in February during the association's 2017 annual meeting in Boston.

The Center for Women and Gender's Women's Leadership Initiative (WLI) held sessions in October and November on the topics of Values and Goals, and Self-Presentation and Leadership Etiquette. Sessions included small group discussions as well as speaker panels comprised of both USU and community members. The WLI mentoring program was also launched in October matching WLI participants with the Center's Development Board Members to continue the participants' leadership development through electronic conversations.

Nancy J. Huntly, professor in the Department of Biology and Director of the USU Ecology Center, was awarded a \$2.7M research and training grant from the National Science Foundation. With this funding, her project, *Graduate Training in Collaborative Interdisciplinary Climate Adaptation Research to Enhance Education and Workforce Readiness*, will provide training and internships for graduate students to work with government agencies on climate related projects.

The School of Accountancy in the Jon M. Huntsman School of Business finished in second place in the 2016 Deloitte FanTAXTic Regional Competition. The case study based competition is an educational program that provides real world experience for the future generation of tax professionals. This is the first time the School of Accountancy has had a team place at regionals.

The journal *Physical Review Fluids* published a study conducted by Tadd T. Truscott, assistant professor in the Department of Mechanical and Aerospace Engineering. The research, which focused on water exit dynamics, was featured by the National Science Foundation and the Weather Channel as well as highlighted around the world with major media coverage in Japan and Canada.

Utah State University Regional Campuses in Brigham City, Tooele, and Uintah Basin have partnered with their local Utah College of Applied Technology College campuses (BATC, TATC, and UBATC) to host stackable credentials workshops to highlight the USU/UCAT partnership that

helps students with ATC-approved certificates receive credit toward an Associate of Applied Science degree. Further, USU Brigham City, in partnership with BATC, received new ongoing funding from the legislature for a Strategic Workforce Initiative in Information and Computer Technology. The \$250,000 in new funding will support two faculty positions, provide funding for summer in-service for high school teachers, and funding for IT equipment at the eight high schools in Box Elder, Cache, Logan, and Rich school districts.

The Office of Global Engagement and the International Student Council celebrated the benefits of international education and worldwide exchange during International Education Week, November 14-19, 2016. This was an opportunity for USU students and scholars to engage in meaningful international experiences and to advance intercultural awareness. Events attracted many participants and included Around the World Family Night; Study Abroad Photo Contest; International Education Tasting Reception; Mr. and Ms. International Contest; and Diwali – Annual Festival of Light, which was presented by USU's Indian Student Association.

The University Honors Program is proud to announce that twelve honors students will present their work to state legislators at *Research on Capitol Hill* in Salt Lake City on January 24, 2017. These students were selected by the Office of Research and Graduate Studies in a competitive application process: Jacob Caldwell (*Economics*); Lori Caldwell (*Biological Engineering*); Austin Dopp (*Family, Consumer, and Human Development*); McKenna Drew (*Landscape Architecture & Environmental Planning*); Natalie Ferguson (*Human Movement Science*); Brent Gage (*Psychology*); Ashli Hunter (*Biology*); Rylee Jensen (*Wildlife Science*); Morgan Sanford (*English*); Kaylee Simmons (*Vocal Performance*); Hyrum Tennant (*Environmental Engineering*); and Eleanor Watson (*Marketing*).

Librarians facilitated and participated in a research course assignment design workshop in which twenty-four faculty members from various departments, including six from regional campuses, provided feedback to each other on the design of their research assignments for students in their classes. As part of the research study led by librarians, the faculty members will revise their student assignments based on the workshop feedback and implement the changes in their courses. Researchers will then interview the faculty members to better understand their experiences in going through the process of changing student projects and assess selected student works created for those assignments.

For decades, the Emma Eccles Jones College of Education and Human Services has offered a comprehensive array of clinical services to the public, while training new clinical researchers and human service professionals. Until now, these programs have operated in 10 different locations across campus. With an understanding of the value of an interdisciplinary approach, a single, comprehensive center was created: The Sorenson Legacy Foundation Center for Clinical Excellence. The new Sorenson Center will provide training, research opportunities, and integrated services across the human lifespan.

Philip L. Barlow, professor in the Department of History and Leonard J. Arrington Chair of Mormon History and Culture, has been named the *Neal A. Maxwell Fellow* at Brigham Young University for the 2017 calendar year. He will be in residence on the Provo campus working on his own research regarding the tradition of a pre-earthly war in heaven in Judaism and Christianity as well as on projects for the Maxwell Institute.



## **USU Extension and UAES Highlights for USU Board of Trustees – December 2016**

### **National Pesticide Course Launched**

USU Extension recently launched the National Pesticide Applicator Core Exam Preparation Course. The online course is designed for those preparing to take the National Pesticide Applicator Certification Core Exam for commercial and non-commercial licenses and is the first of its kind in the nation.

The course will teach participants how to safely apply pesticides in a manner that protects the public, the environment and the applicator. Course content was developed from the National Pesticide Applicator Certification Core Manual.

Participants may qualify to receive continuing education credit for the course, depending on individual state requirements.

### **Utah Agricultural Experiment Station**

#### **Climate Researchers Contribute to NOAA Report**

Utah Climate Center researchers, with support from the Utah Agricultural Experiment Station, are contributors to a National Oceanic and Atmospheric Administration report, *Explaining Extreme Events of 2015 from a Climate Perspective*.

Their chapter, *The 2014/15 Snowpack Drought in Washington State and its Climate Forcing*, suggests likely causes of a drought emergency following a drastic decline in snowpack over the Cascades. The state received near-normal precipitation during the cold season, but unprecedented warmth in those months caused increases in precipitation that fell as rain rather than snow. That small change in temperature changed streamflows, impacted agriculture due to changes in water availability and increased risk of wildfire. The Washington State Department of Agriculture estimates the 2015 drought caused more than \$335 million of losses for the state's agriculture industry. Researchers predict changing temperatures will continue to cause precipitation to fall in concentrated bursts and that changes in circulation patterns will reduce snowpack in the West.

## **College of Agriculture and Applied Sciences for USU Board of Trustees – December 2016**

### **Students Earn Professional Association's Top Honor**

Students in Utah State University's Department of Landscape Architecture and Environmental Planning recently received the American Planning Association – Utah Chapter's highest honor for creating an open space plan for a rapidly growing part of the Wasatch Front.

Students in the fall 2015 Recreation Design and Open Space Planning Studio, taught by Assistant Professor Ole Sleipness, collaborated with the City of Draper and landscape architecture firm Logan Simpson to generate a conceptual design for approximately 4,000 acres of public open space. The Draper Open Space Master Plan was officially adopted by the city in April.

Students made site visits, met with city representatives, managed design constraints that professional planners contend with and created design alternatives for the area that considered steep terrain, erosion control, storm water management and other factors.



## **FACULTY SENATE REPORT TO THE BOARD OF TRUSTEES January 2017**

Submitted on behalf of Vince Wickwar, President of the Faculty Senate

The Utah State University Faculty Senate held its regularly scheduled meetings November 7, 2016, and December 5, 2016.

### **EVENTS, ACTIONS OR ISSUES SINCE THE LAST TRUSTEES MEETING:**

The Faculty Senate accepted the annual reports from the following University and Faculty Senate Committees and Councils: Athletic Council, Faculty Evaluation, USUSA and Retention and Student Success.

Faculty Forum was held on November 14, 2016.

### **KEY ISSUES AND ACTION ITEMS:**

The Faculty Senate approved education policy actions as follows:

- One hundred twenty-four requests for course actions – November 2016.
- One hundred seventy requests for course actions – December 2016.

Request from the Departments of Applied Economics, Plants, Soils and Climate, Biology, Civil and Environmental Engineering, Environment and Society, Mathematics and Statistics, Sociology, Social Work and Anthropology, Wildland Resources and Watershed Sciences in the Colleges of Agriculture and Applied Sciences, Science, Engineering, Natural Resources, and Humanities and Social Sciences to create a Climate Adaptation Science specialization within eleven Master of Science and nine PhD degrees.

Request from the Departments of Nutrition, Dietetics and Food Science, Kinesiology and Health Science, Animal, Dairy and Veterinary Sciences and Mathematics and Statistics in the Colleges of Agriculture and Applied Sciences, Education and Human Services and Science to offer a Master of Public Health.

Request from the Department of Nursing and Health Professions in the Emma Eccles Jones College of Education and Human Services to offer a Bachelor of Science in Nursing.

Request from the Department of English in the College of Humanities and Social Sciences to change the name of the PhD in Theory and Practice of Professional Communication to Technical Communication and Rhetoric.

Request from the Department of Environment and Society in the S.J. & Jessie E. Quinney College of Natural Resources to make changes in the Geography Bachelor of Science program.

Request from the Department of Sociology, Social Work and Anthropology in the College of Humanities and Social Sciences to offer a Sociology-Criminal Justice Major with emphases.

Request from the Department of Sociology, Social Work and Anthropology in the College of Humanities and Social Sciences to change the name from PhD in Sociology; doctoral specialization in States & Markets to PhD in Sociology; doctoral specialization in Social Inequality.

Request from the Department of Computer Science in the College of Engineering to offer a Master of Science in Data Science.

Request from the Department of Computer Science in the College of Engineering to offer a Computer Science Teaching Minor.

Request from the Department of Landscape Architecture and Environmental Planning in the College of Agriculture and Applied Sciences to offer a PhD in Landscape Architecture.

Request from the School of Applied Sciences, Technology and Education in the College of Agriculture and Applied Sciences to offer a Bachelor of Science in Technology Systems.

- The following courses or syllabi were approved:

ADVS 5630	CI
APEC 1600	BAI
BIOL 5630	CI
CMST 5800	CI

**CURRENTLY UNDER DISCUSSION OR CONSIDERATION:**

- Revisions to 402.12 on the sizes of Faculty Senate committees.
- Revisions to 406 which includes Financial Crisis and Financial Exigency.
- Revisions to 405.6.2(2) and 405.8.2 Faculty Senate proposed changes to the formation and meetings of promotion advisory committees.

Media Highlights (October 1 – November 30, 2016):

USU Hosts Regional Pilot Competition –  
October 6, 2016



The Logan-Cache Airport runway was a little busier than usual this week, as dozens of collegiate pilots gathered for a regional flying competition. For the first time, Utah State University hosted the National Intercollegiate Flying Association's regional competition, with six teams

vying against each other in various events in the air and on the ground from last Saturday to Thursday, according to Professional Pilot Program Director Andreas Wesemann. In addition to USU, other schools from Utah, Montana and Colorado competed, including Rocky Mountain College, Westminster, Metro State University, Northwest Colorado Community College and Air Force Academy in Colorado Springs.

LDS Church Gives \$1 Million To Utah State University To Boost Mormon Studies Program –  
Salt Lake Tribune – October 11, 2016

Utah State University's endowed faculty position for the study of Mormon culture and history got a \$1 million boost from The Church of Jesus Christ of Latter-day Saints, the university announced Monday. The donation from the LDS Church, as well as an anonymous pledged donation of \$500,000, was made in support of the Leonard J. Arrington Chair of Mormon History and Culture, one of two endowed chairs within USU's religious studies department. USU professor Philip Barlow has held the



Arrington Chair position since its creation in 2007. The professorship's namesake was a USU professor who founded the Mormon History Association and became the first appointed historian of the LDS Church. In a news release, Arrington Council Chairman Jonathan Bullen described Arrington as "a champion of people of all faiths." The Arrington Council is composed of volunteers who provide input and support to the Mormon and religious studies programs at USU.

USU Officials Get DOJ Funds For Sexual Violence Prevention –  
Herald Journal – October 18, 2016



Utah State University has secured funds from the U.S. Department of Justice to create a community response for dealing with sexual violence and creating more of a safety net for victims. The three-year, approximately \$300,000 grant from the top U.S. Law enforcement agency's Violence Against Women Office came about thanks to Jennifer Roark, a criminologist and USU assistant professor of social work, and Jennie Erazo, coordinator of USU's Sexual Assault and Anti-Violence Information (SAAVI) program. "We

want to coordinate a community response and weave a tighter safety net for survivors," Erazo said. "We're doing things well, but we can always do things better, and this money kind of gives us the ability to do that."

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Fundraising Underway For USU Botanical Center's New Demonstration Facility –  
Davis County – October 18, 2016



There is more growing at the Utah State University Botanical Center than apples, raspberries and grapes. A 50-year master plan that includes new buildings and refined open spaces has been developed and major steps are underway to implement it. Jerry Goodspeed, center director, is passionate about the center and what it brings to the region. "We're building a legacy for the future," said Goodspeed. "Kaysville's been wonderful to work with and we're building up a destination where our children and their children and their children can come and

have experiences and learn." The center already includes fishing ponds, a wetlands discovery center, an education building, a house that demonstrates earth-friendly practices, a monument to those lost in 9/11, plus gardens, orchards and vineyards. Next up is a new educational facility focusing on "farm-to-fork" living.

'Reducing The Barriers': USU, Others Team Up For Electric Vehicle Sales Program –  
Herald Journal – October 19, 2016

Thanks to a new joint program between Utah State University and other partners, Cache Valley residents can get a discount on a purchased or leased electric vehicle and play a major role in cutting down on the region's poor air quality, program organizers say. The Drive Electric Northern Utah Program allows people who sign a contract before Dec. 3 to get a discount of up to 25 percent on an electric vehicle with participating Audi, Chevrolet, BMW and Nissan dealers. "We are reducing the barriers to purchasing electric vehicles," said Alex Lamm, USU sustainability coordinator. "I think that can be intimidating. People don't have all the information and they're not sure who to ask. It's also difficult to know when you're getting a good price. We want to give people things they would need to make a decision."



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USU Renames Agricultural Sciences Building After Retiring President –  
Deseret News – October 25, 2016



Utah State University has renamed its Agricultural Sciences Building after Stan L. Albrecht in recognition of his tenure as the university's president. He announced his retirement in February. "This is an honor beyond anything I would ever have imagined," Albrecht said in a statement. "I want you all to know that it is something for which I will always feel great humility and appreciation." Albrecht was named USU's 15th president on Feb. 1, 2005, and has seen the university through many changes and successes, most notably enhancing USU's statewide reach, the successful \$500 million-plus capital campaign, a transformation of the Logan campus and increased notoriety for Aggie athletics.

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Utah State Picks Longtime Administrator, Professor Cockett As New President –  
Deseret News – October 26, 2016

Addressing supporters at the university she loves, Noelle Cockett promised to build on its legacy. "Together we will make USU an institution whose future is boundless and bright," she said to cheers. Cockett was named Wednesday as the 16th president of Utah State University. The Utah State Board of Regents interviewed her and three other finalists before announcing the decision in a live-streamed news conference on campus. Cockett becomes the first woman to serve as president of USU. She started her service



as executive president and provost at the university in 2013. Previously, Cockett was vice president for extension and agriculture for the university from 2006-13. Cockett also served as dean of USU's College of Agriculture from 2002-13 and was director of the Utah Agriculture Experiment station from 2009-13. She earned master's and doctorate degrees from Oregon State University in animal genetics. Cockett started at the university as an assistant professor in 1990. At the time, she and her husband thought they would be in Logan for only a few years, but Cockett said she soon found it was where she was meant to be. "I have developed a love and passion for all that Utah State is, and I have tried in each of my roles to contribute to its growth and success," Cockett said in a speech just moments after her appointment was announced.

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5th Tedxusu Calls For Kindness, Civility –  
KSL.Com – October 31, 2016



Friday night, an eager crowd of over 400 gathered at Utah State University's Caine Performance Hall to participate in the fifth annual TEDxUSU event. TEDxUSU is an independently organized, franchise version of the international TED conference. TEDx events can be run out of universities like TEDxUSU or TEDxSaltLakeCity or even from a living room. This year's theme was "Lift" and the speakers included six USU faculty members, two students and two special guests: Utah Attorney General Sean Reyes and Kenneth Quinn, former

U.S. ambassador to Cambodia. Associate professor in the USU Language, Philosophy and Communication Studies department, Albdulkafi Albirini talked about how arrogance can lead to extremism in words and actions. In late 2015, Albirini was reading an article about the mass shooting in San Bernadino which killed 14 civilians. His 10-year-old son approached him and read the story, then began asking questions. Albirini's son was disturbed that the perpetrators were Muslim and Albirini said, "I was not able to explain to him why someone would commit such a horrible crime against innocent people."

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'It's A Full-Frontal Attack': Utah Companies, Universities Continue Zika Research –  
KSL.Com – November 1, 2016

Even as temperatures drop, researchers in Utah are continuing to race toward a treatment for Zika virus, the mosquito-borne illness that has caused birth defects in thousands of children in Latin America and infected hundreds of pregnant women in the U.S. "This is some of the fastest-paced research I've ever seen," said Justin Julander, a research associate professor at Utah State University's Institute for Antiviral





Research. "Before this large outbreak occurred, there were probably just a handful of papers," he said. "Now there's probably 20, 30 papers being published a week." Julander and his team are researching how Zika can pass through a pregnant woman's placenta to the fetus, leading to the birth defects that have made Zika so alarming. Using mice, USU researchers have found a tantalizing hint: The virus appears to replicate particularly quickly in the placenta compared with other parts of the body.

As Beetles Ravage Western Forests, The Ancient Bristlecone Remains Unscathed –  
Salt Lake Tribune – November 4, 2016



(Brian Maffly | The Salt Lake Tribune) Bristlecone pines, like this one pictured under Nevada's Wheeler Peak in Great Basin National Park, are the world's most long-lived organisms. New research shows they are also immune from mountain pine beetle attacks that are laying waste to millions of acres of Western forests.

The bristlecone pine is not only the world's longest-lived organism, but it is also virtually immune to the pine beetle attacks that are decimating conifer forests around the West, according to new research from Utah State University and the U.S. Forest Service. In a study released this month, researchers concluded that the properties that help individual trees survive for up to 5,000 years on wind-hammered alpine ridges may also serve these pines well in repelling the beetle outbreak that scientists attribute to a warming climate. "Bristlecone grows in these extreme harsh environments. The ability to grow here and live a long time

is enhanced by having high resin and dense wood. That happens to help against beetles," said Barbara Bentz, an entomologist with the Forest Service's Rocky Mountain Research Station in Logan. In prior studies, Bentz has documented that a pattern of increasingly mild winters has allowed pine beetles to survive from year to year in lower elevations and complete their reproductive cycle in a single year. Bentz and colleague Karen Mock of USU's Department of Wildland Resources were intrigued by growing tree mortality, apparent in aerial surveys in high-elevation areas in the Great Basin mountain ranges between Utah and California. When explored on the ground, these stands told an interesting story: Limber pines were suffering from the phloem-eating beetle, but bristlecone growing in their midst were largely unscathed.

Utah's Great Salt Lake Is Shrinking Drastically, NASA Images Reveal –  
International Business Times – November 6, 2016

Utah's Great Salt Lake is the largest water body in the United States after the Great Lakes. However, five years of drought in the American West has caused the water body to shrink drastically, as is evident from images of the lake released by NASA on Thursday. The two Landsat satellite images — which were captured in September 2011 and September 2016, respectively — reveal that the water level in the lake's Farmington Bay has plummeted to such an extent that three-quarters



of the lake bed is now exposed. "Farmington Bay has been nearly desiccated as the result of the combined effects of drought and water withdrawals from the rivers feeding the lake," Wayne Wurtsbaugh from the Utah State University said in a statement accompanying the images. "Farmington Bay is an immensely important feeding area for migratory shorebirds and waterfowl. Even at the low level we have now, it is still important, but the greatly reduced size has diminished its value."

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#### Helping Students With Autism at USU – UPR – November 7, 2016



On Friday, Gov. Gary Herbert toured the facility of the Autism Support Services: Education, Research and Training program on the campus of Utah State University. ... After meeting students and educators-in-training, Herbert said that programs like ASSERT help students build upon their strengths, no matter what disability they may have. ... "I want to make sure that we do the best we can do for our young people of all stripes. We all have disabilities, it's just that some are more noticeable than others, and we need to find out what are the strengths that we have that can be developed," Herbert said. "That's what's

happening here on the campus of Utah State: developing strengths that people have to help them be contributing members of society. To help them not only contribute to society but to have a happy life, to bring joy in the service they give to other people." ... The program uses applied behavioral analysis to mitigate negative behaviors that come with autism. USU has even helped export the program to Russia. Thomas Higbee, director of ASSERT at USU, said that the program is also about preparing the next generation of special education leaders.

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#### USU Extension's Food \$ense Program Is Deliciously Helpful – Ubmedia.Biz – November 8, 2016

Feeding a family can be a challenge some days. Meal planning is tough enough but when you throw in grocery shopping and actually preparing the meal, it can be overwhelming at times. That's where the Food \$ense program at the Utah State University Extension comes in. USU Family and Consumer Sciences Assistant Professor Suzanne Prevedel and her staff work to bring the Food \$ense program to people here in the Basin. It is part of the USDA's Supplemental Nutritional Assistance Program to provide nutritional assistance to eligible low-income families. "We want people to be healthier, happier and have more money," she said. "Right now we use a curriculum called the Creates program. It's all about creating a meal in less time that it takes to buy fast food, smart shopping and setting up a pantry. By doing that, there is an increase in whole food consumption and healthier cooking styles." The Food \$ense program doesn't just provide supplemental nutrition education to SNAP recipients,



most of the classes are open to the community. Currently, there is an ongoing class held on Tuesdays from 10:30-11:30 a.m. at the Crossroad Senior Center. The class changes every six weeks and is designed to help seniors and disabled adults with food planning, cooking and nutrition.

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Federal Government Recognizes USU Community Service –  
Herald Journal – November 10, 2016



On Wednesday nights, the residents of Williamsburg Retirement Community in Logan don't just have manicures or poker to look forward to — they have their “Grandfriends,” too. “Grandfriends” is the new name of a group of Utah State University students who partner with several retirement communities in Cache Valley to provide support to seniors. The group is part of the Val R. Christensen Service Center, a unit of the USU Center for Civic Engagement and Service Learning, which just won the federal government's highest honor for community service. . . . In a prepared statement, USU President Stan Albrecht commended school officials for their work that resulted in the honor. “As a land-grant university, Utah State has always maintained a strong commitment to community engagement and service,” Albrecht said. “Service enriches the student learning experience, teaches civic responsibility and strengthens communities, and we at USU are always pleased when our students, staff and faculty are involved in service and recognized for their efforts.” The award is “the highest federal recognition an institution can receive for its commitment to community, service-learning, and civic engagement,” according to the Corporation for National and Community Service's website.

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Utah State University Names Interim Provost –  
Deseret News – November 11, 2016

Larry Smith, executive senior vice provost of Utah State University, will serve as interim provost while a national search for the executive vice president and provost is underway — a position held by Noelle Cockett before she was appointed president of USU on Oct. 26. A search committee for the position will be led by Joe Ward, dean of the College of Humanities and Social Sciences. The committee will be formed in January. Beginning in February, the committee will seek campus input on the position announcement and qualifications. The search will be officially launched in March, with on-campus interviews beginning in September. “I will devote myself to keeping the academic enterprise at USU running strong and help the colleges, departments and faculty continue positive momentum, promote student success and assist President Cockett in moving her agenda



forward,” Smith said in a statement. “I’m certain that USU will attract an outstanding individual, and I want the office to be in the same excellent shape when the new executive vice president and provost arrives.”

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Board of Regents Approves New USU Dairy Barn –  
Herald Journal – November 18, 2016

Utah State University wants to build a new dairy barn at the Caine Dairy Center in Wellsville to replace a 35-year-old facility with outdated technology. USU got approval for the \$1.2 million project from the Board of Regents, Utah’s higher education governing board, during the board’s meeting at Utah Valley University in Orem on Friday. Now, the project goes to the State Building Board for approval. “(Students are) essentially learning about the dairy industry a generation ago, rather than looking forward,” said Dillon Feuz, a USU department head and livestock research coordinator for the Agricultural Experiment Stations, who has been involved with planning for the new dairy barn. . . . Feuz said in an interview that having some open areas for cattle is “not uncommon for this area of the country, but as the dairy industry is evolving, we’re learning the more comfort you can provide those cows, the more milk you can get out of them for the same amount of feed.”

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Remodeled USU Concert Hall Named After Newel Daines –  
Herald Journal – November 22, 2016



Utah State University will rename the former Kent Concert Hall, currently under renovation, after former Logan Mayor Newel Daines, who recently passed away, and his wife. The Newel G. and Jean C. Daines Concert Hall renaming comes as a result of a “surprise announcement” of a gift made by the Daines family during the annual Old Main

Society Dinner last month, USU said in a news release on Monday. The amount of the gift was not disclosed, but it is significant enough to be considered “the capstone gift needed to finish” the renovation of the Chase Fine Arts Center and the concert hall, USU President Stan Albrecht said in the news release. Work on the project started in the summer of 2015 and is expected to wrap up by fall, 2017.

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Worth Their Weight In Likes: Instagram Posts Can Show The Value Of Utah Landscapes, Researchers Say –  
Salt Lake Tribune – November 23, 2016

Before he leaves this earth, Jimmy Emerson intends to visit every county in the United States — all 3,142 of them. The Georgia veterinarian has already trod on more than 3,000, including Utah’s 29, shooting photos by the thousands as he goes. Among Emerson’s favorite subjects are food, seemingly random street corners, national parks and vintage pieces of civic architecture like churches, courthouses, Carnegie libraries and bridges.

He uploads all of it — 59,894 photographs since 2006 — to Flickr, a social media platform used by millions of photographers. Emerson's thousands of snaps are just a tiny percentage of the countless photos posted to social media sites. Cyberspace is filled with images of natural landscapes, which run alongside streams of political jabs, silly cat videos, selfies and other digital trumpery. But geographers now believe postings by tourists and outdoor enthusiasts like Emerson offer a vast, untapped trove of data that could help explore how heavily visited places are, and how people value them. "This is really exciting because it allows us to identify, in an objective way, which natural landscapes are valued and used by the public," said Jordan Smith, director of Utah State University's Institute of Outdoor Recreation and Tourism. "This is something we haven't been able to do with traditional social science research methods like surveys."



Courtesy | Royce Bair The stars above Bryce Canyon National Park are on full display in this photograph of the park's Wall Street by Salt Lake City photographer Royce Bair. Specializing in NightScape photography, Bair frequently posts his and other photographers' landscape images on social media.

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USU Bear River Massacre Researchers Dig Deeper At Site Without Lifting A Shovel –  
Standard Examiner – November 25, 2016



Dreamcatchers and other items hang from a memorial tree Sept. 26, 2016, near the site of the Bear River Massacre north of Preston, Idaho. About 250 of the Shoshone people were killed during the U.S. military attack.

Two professors at Utah State University are taking a deeper look into the ground of an infamous historical site without even lifting a shovel. The pair's research is taking place in the rolling plains north of Preston, Idaho, where the Bear River Massacre — the U.S. military's deadliest attack on American Indians — happened Jan. 29, 1863. That morning, about 200 soldiers under the command of Col. Patrick Connor attacked the Shoshone people, Smithsonian Magazine says. Two-hundred and fifty Shoshone were killed, including at least 90 women, children and infants. Out of respect for the Shoshone people, USU anthropologist Molly Cannon and archaeologist

Ken Cannon didn't want to excavate the location. But thanks to ground-penetrating radar and other technologies, the husband-wife team has been able to form clearer picture of the massacre without disturbing its site. The Cannons are working to secure more funding to continue the project, which started in fall 2014 and wrapped up in fall 2015. A large part of its goal has been to identify specific locations on the plot of land — for example, the destroyed Shoshone village and the camp where soldiers treated their wounded.

Op-Ed: New USU President Will Head A Growing Research Institution –  
Salt Lake Tribune – November 26, 2016

After conducting a nationwide search, the Utah Board of Regents announced last month that Noelle Cockett will next take the helm of Utah State University as its 16th president. Cockett will succeed Stan Albrecht, a person whom I have had the great honor of working with these past five years and who has guided an unprecedented decade of growth as president. Albrecht has consistently promoted research as an economic engine for the state, in the context of creating new discoveries, new jobs and a highly trained workforce. He leaves Utah State in a great state of momentum. Setting a trend now of three years in a row, USU has achieved another record year of research support — over \$240 million, up 4.7 percent in awards over last year's record. Among USU's 10 peer institutions designated by the board of trustees, only two others saw their research expenditures increase last year. . . . Much of last year's new growth is thanks to USU's Space Dynamics Laboratory, which brought in nearly \$100 million in contracts and grants. SDL's work is exemplified by its contributions to the NASA OSIRIS-Rex mission. SDL researchers designed, built and tested detector electronics assemblies for the NASA New Frontiers spacecraft, which launched this summer and will be the first U.S. mission to extract samples from an asteroid and return them to Earth — to Utah, in fact — for study.

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USU Landscape Architecture Students Plan 'Field Studio' –  
Herald Journal – November 30, 2016

Landscape Architecture and Environmental Planning students at Utah State University have plans to bring the classroom to the outdoors as a “field studio” complete with classrooms, gardens, an observation tower, an amphitheater and event space. Once complete, the field studio on 1400 North in Logan will be the only facility of its kind at any of the 80-plus similar programs in North America, according to Sean Michael, head of the LAEP department. “Many of our design



and planning disciplines work within a bit of an internal setting — we call that a design studio — and so the field studio was conceived for hands-on learning, where students would be able to be out in the outdoors and in the landscape,” Michael said. . . . The master plan for the LAEP field studio describes the future facility as “an outdoor learning environment focused on experiential, hands-on learning,” with the intent that “students would design, install, and plant major portions of the Field Studio — thus embodying practical, applied, experiential learning.

**Vice President for Research and  
Dean of the School of Graduate Studies**



Name: Mark R. McLellan  
Telephone: 797-1180 Email: [Mark.mclellan@usu.edu](mailto:Mark.mclellan@usu.edu)  
Date: November to December 2016

***Events, Actions or Issues Since Last Trustee's Meeting:***

- **Policy Work/Revisions**  
Discussions taking place with vice presidents, colleges, regional directors and units to review and receive input on proposed new and revised policies that are driven by changes in federal policy. The goal is to complete the review phase by the end of January, with consideration by USU Board of Trustees in March 2017.
  - Draft - USU Research Data Policy (New) - Public Access Obligations
  - Draft - Information Security Policy (Budget & Finance/RGS)
- **USU Safety Committee**  
With the Health and Safety Policy (#337) revisions now approved, implementation of procedural steps are underway. USU's Safety Committee now includes representation from all colleges and organizational units and meets quarterly.
- **FDA Science Board Meeting (November 15, 2016)**  
Appointed as chair of the US Food & Drug Administration Science Board for 2017.
- **Office of Research and Graduate Studies**
  - 1) Implementation continues of new Quali-Coeus software to replace aging proposal submission software – Campus rollout and training continues. College of Natural Resources, College of Science, Ecology Center, Student Services and regional campuses are operating live with new software. Additional colleges transitioned one at a time.
  - 2) TEDxUSU 2016 (Oct. 28)
  - 3) Regional Energy Hub Meetings at University of Utah (Nov. 3)
  - 4) Sunrise Session at Little America featuring Jack Schmidt (Nov. 4)
    - Development and Protection of the Colorado River system in Utah – from John Wesley Powell to the future
  - 5) Graduate Council (Nov. 9)
  - 6) Training for Research Faculty (TRF)
    - “Increase your pool of potential graduate students” (Nov. 9)
    - “Support student who struggle with mental health issues” (Dec. 7)
  - 7) Addressed AAAS Fellows on Science and careers in higher education administration (Nov 15)
  - 8) Graduate Training Series (GRTS)
    - “How should I engage an audience when presenting research?” (Nov. 16)
  - 9) APLU Annual Meeting – Austin, TX (Nov. 12-14)
  - 10) USURF Board Meetings (Nov. 16)
  - 11) Research Council (Nov. 17)
  - 12) Briefed the National Academy of Sciences on Public vs Private Funding of Research (Nov. 18)
  - 13) Briefed to USDA administrators on Rigor & Reproducibility in Research (Nov. 28)
  - 14) AAHRPP Site Accreditation Review on Campus (Dec. 1-2)
  - 15) Council of Graduate Studies Annual Meeting, Washington DC (Dec. 7-9)
  - 16) RGS Workshop for deans, associate deans and department heads (Dec. 19)
    - Designed to provide insight into the opportunities and responsibilities associated with managing and leading research programs, technology transfer, studio/lab/field safety, undergraduate research, and graduate programs.

- 17) NAREEE bi-monthly teleconferences
- 18) FDA/FERN monthly teleconferences

***Future Events, Actions, or Issues:***

- Training for Research Faculty (TRF)
  - “Mentoring students in a growing lab” (Jan. 18)
  - “Opportunities for interdisciplinary graduate training” (Feb. 15)
  - “Find participants for your research study” (Mar. 22)
- Graduate Training Series (GRTS)
  - “Where can I find a career outside of academia?” (Jan. 25)
  - “How can I improve my PowerPoint skills for making presentation slides?” (Feb. 24)
  - “What can I do to bring my academic poster skills to the next level?” (Mar. 29)
- Sunrise Session: Dr. Courtney Flint - Department of Sociology, Social Work & Anthropology (Jan. 27)



# Utah State University Sponsored Awards Report

FY 2017, Quarter 2



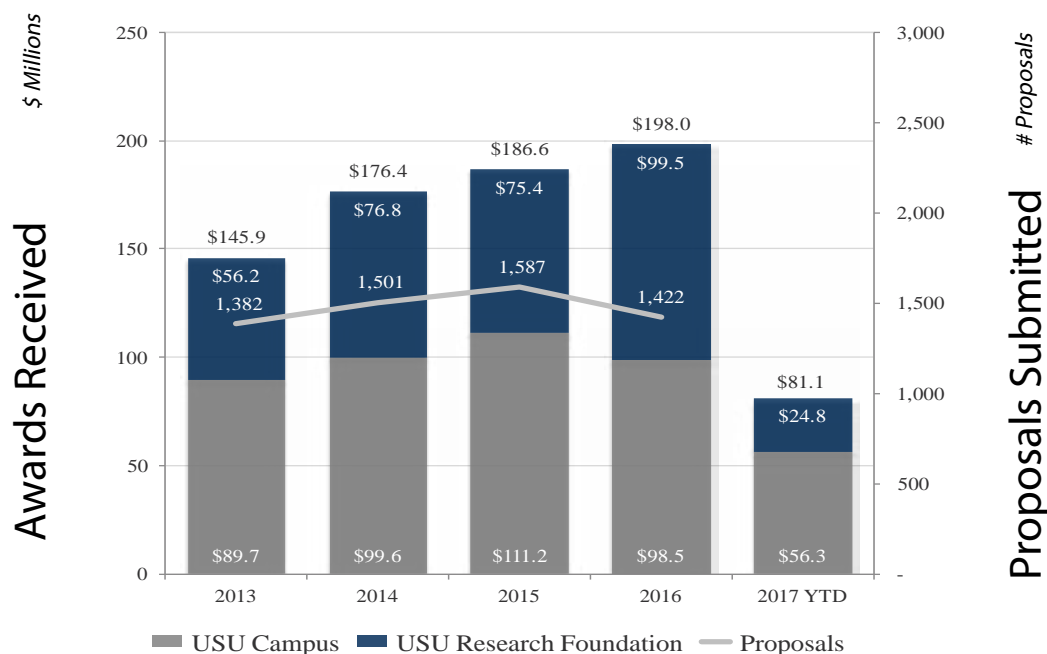
View of Old Main on the Logan campus.

## Main Takeaways

- A recent National Science Foundation report (HERD) shows USU jumped from 115 to 110 in US national university rankings for FY15 total research expenditures. This builds on a very positive trend where USU moved up in the rankings from 119 to 118 during FY12-13, then up again to 115 in FY14
- USURF researcher Bennett Keller received a \$3.5 million grant from Jacobs Technology, Inc., and the Air Force, the largest award this quarter for the Foundation
- Heng Ban from Mechanical and Aerospace Engineering received a \$4 million grant from the Department of Energy, the largest new award this year for campus
- Facilities and Administration costs for on- and off-campus research and other sponsored activities at USU are the lowest among our peer institutions



## USU Awards 2013-2016



## USU Awards 2017 YTD (through October)

	#	Amt.	LY Change*
USU Campus	414	\$56.3 M	-5.53%
USU Research Foundation	110	\$24.8 M	-32.36%
<b>YTD Total</b>	<b>524</b>	<b>\$82.1 M</b>	<b>-15.75%</b>

## USU Proposals 2017 YTD (through October)

	#	Amt.	LY Change*
USU Campus	462	\$170.1 M	80.26%
USU Research Foundation	78	\$146.4 M	63.70%
<b>YTD Total</b>	<b>540</b>	<b>\$316.5 M</b>	<b>72.70%</b>

\*percentages based on change in \$ amount

## Notable New Grants FY 2017 Quarter 2

*NRT: Graduate Climate Adaptation Research that Enhances Education and Responsiveness of Science*

PI: Nancy J. Huntley

Dept: Biology

Source: National Science Foundation

Amount: \$2,689,908

This project will pilot an innovative graduate program for eighty trainees in climate adaptation sciences

*Youth Can Cook*

PI: Melanie Diane Jewkes

Dept: Extension Field Staff

Source: Utah Department of Workforce Services

Amount: \$697,068

This project provides at-risk youth with food-related education and career opportunities through a paid work experience apprenticeship in community food-related programs

*Agricultural Safety Education Initiative*

PI: Michael L. Pate

Dept: Applied Science Technology & Education

Source: High Plains Intermountain Center for Agricultural Health and Safety

Amount: \$160,000

This project will develop an educational program to be utilized by local agricultural teachers to improve safety practices and work environments

## FY17 F&A Rates of Peer Institutions

	Category	On-Campus	Off-Campus
Colorado State	Research	51.00	26.00
	Other Sponsored	34.00	26.00
Kansas State	Research	50.00	26.00
	Other Sponsored	35.00	26.00
Montana State	Research	44.00	26.00
	Other Sponsored	34.50	19.30
New Mexico State	Research	48.00	26.00
	Other Sponsored	33.20	26.00
Oregon State	Research	47.00	26.00
	Other Sponsored	35.00	26.00
Nebraska-Lincoln	Research	53.50	26.00
	Other Sponsored	42.00	26.00
Nevada-Reno	Research	43.50	26.00
	Other Sponsored	31.00	25.60
Washington State	Research	52.00	26.00
	Other Sponsored	36.00	26.00
Wyoming	Research	44.00	26.00
	Other Sponsored	34.00	20.00
Utah State	Research	39.50	14.60
	Other Sponsored	21.10	15.30

## Total Research Expenditures FY 2011-2015

	2011	2012	2013	2014	2015
USU total expenditures (in millions)	\$174.20	\$157.40	\$158.40	\$169.60	\$175.40
Rank among all institutions (2,474 total)	109	119	118	115	110
Rank among public institutions (629 total)	81	89	86	79	75
Rank among Regents Peers (11 total)	5	6	6	6	6

# **Staff Employees Association**

SEA President: Amanda Davis  
Telephone: (435)797-9008  
E-Mail: [amanda.davis@usu.edu](mailto:amanda.davis@usu.edu)  
Date: December 12, 2016

SEA President Elect: Trisha Hunsaker  
Telephone: (435)797-2347  
E-Mail: [trisha.hunsaker@usu.edu](mailto:trisha.hunsaker@usu.edu)

## **Fiscal YTD Employee of the Month:**

- July: Rachel Curry
- August: Amanda Castillo
- September: Jeannie Maughan
- October: Amy Chesley
- November: Allen Dawes
- December: Shelby Frauen-Riddle
- January: Tricia Hutton (to be awarded in January)

## **Events, Actions or Issues since last Trustee's Meeting**

November 2, 2016: SEA launch party – opportunity for all USU employees to gather, enjoy refreshments and become more familiar with the new association.

The new SEA website should be up and running in December. Our PR team is working hard to get all information loaded and ready to go. [sea.usu.edu](http://sea.usu.edu)

In the new association we created a Regional Campus team. This team is diligently working to help all the RC feel more included by informing them about their representatives within our association.

President Albrecht attended our Dec 6 meeting. We were able to give him a small token of our gratitude and say good-bye to a great leader.

## **Upcoming Events, Activities, or Issues**

UHESA is planning their annual Day at the capital for all employee associations. We are planning to have our legislative representatives attend.

DOL labor relations law – we are closely following the changes in legislation regarding the labor laws. We are focusing on keeping employees informed about what is happening at USU in this regard.

We are excited to welcome President Noelle Cockett. We have invited her to attend the beginning portion of our monthly meetings in hopes of keeping open communication with her about the SEA and how we can better serve our employees.

SEA newsletters will start going out the first month of each quarter beginning in January 2017.

## **STUDENT AFFAIRS**

Name: James D. Morales  
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Date: December 12, 2016

### **Focus of Student Affairs**

As a standard part of this report, a page will be included providing updates on enrollment and recruitment activities. The first page of this report will focus on programs and activities relating to the efforts being provided by the many outstanding and supportive departments within the Division of Student Affairs.

### **Department Reports**

#### **Taggart Student Center Mission Statement**

The Taggart Student Center (TSC) is the community center for all the members of the university family - students, staff, faculty, administration, alumni and guests. It is not merely a building; it is also an organization and a program. With its many functions, it represents a well-considered plan for the support and enhancement of the community life of the university. As the "living room" or the "hearthstone" of the university, the TSC provides for the services, conveniences, and amenities the members of the university family need in their daily life on campus and for getting to know and understand one another through informal association outside the classroom.

#### **Goals & Objectives**

The TSC exists to serve three main objectives: education, leadership, and service.

### **I. EDUCATION**

The TSC is part of the total educational experience at USU. Not only does it serve to train students in social responsibility and leadership in society, it also provides opportunities for them to serve on various boards, committees and work groups through the Utah State University Student Association (USUSA). It provides a wealth of materials, equipment, information, facilities, and "know-how" for transforming thoughts into reality, programs into action and concerns into causes. The TSC encourages self-directed activity, giving maximum opportunity for self-realization and growth in group competency. It is a meeting place for students to engage in activities that promote cultural exchanges; all while creating an environment that provides learning opportunities in constructive difference resolution that promotes understanding. There are also a number of academic credit courses taught in the TSC Auditorium.

### **II. LEADERSHIP**

Through the constitution of the USUSA, elected student officers and appointed student leaders use the TSC as home base for implementation of numerous activities and programs. These provide a stimulus for informal educational processes complementary to leadership growth and development. A significant part of leadership development is the service learning program. The TSC is home to the Val R. Christensen Service Center which participates in 12 student-run programs. These programs involved over 572 student volunteers totaling around 21,747 service hours. The Center for Civic Engagement and Service Learning provides leadership and direction for student leaders.

### **III. SERVICE**

Students, faculty and staff have access to dining facilities, campus stores and a variety of other services in the TSC. Without the availability of these services, these campus community members would have a difficult time acquiring goods and services needed. By making these services available, the TSC has become a "one-stop-shopping" and business location for the campus community. Other specific service areas and offices located in the TSC include the Academic Success Center, Math Tutoring Center, Financial Aid Office, Office of the Vice President for Student Affairs, Admissions Office, Registration & Bursars Office, ID Card Office, Exploratory Advising, Counseling & Psychological Services, The Access & Diversity Center, and Veterans Services.

### Taggart Student Center Usage

The TSC is used by students, university departments, and community members. Below is a chart that shows a three-year average for each group's usage and the total number of scheduled events. During 2012, under the direction of the Vice President of Student Affairs a feasibility study about the TSC was completed. The purpose of the study was to explore options for either remodeling the existing structure or constructing a new building. Despite a strong preventative maintenance program, the TSC is showing significant effects of its age. Even though there have been needed upgrades and additions to the TSC over the years, there are major mechanical and plumbing systems that are original to the building and are deteriorating. The feasibility study considered the cost of remodeling vs. building new and determined that the cost to remodel and replace old systems would be prohibitive. In addition to the poor physical condition of the TSC, the USU student population and the university community members have out grown the building.

### 3 Year TSC Usage

	Student Events	Department Events	Community Events	Total
<b>2013-2014</b>	785	1197	45	2027
<b>2014-2015</b>	794	1204	43	2041
<b>2015-2016</b>	898	1250	51	2199
<b>Avg. Yearly Usage</b>	825	1217	46	2089

### UNDERGRADUATE ENROLLMENT SUMMARY

(Dec. 13, 2016)

### Fall 2017 Summary (Dec. 13, 2016)

#### USU SYSTEM HEADCOUNT (Freshman, Transfer, Returning)

	Logan (Main)			Eastern (Price)			Eastern (Blanding)			Regional Campus			TOTALS		
	Apps	Admits	Enrolled	Apps	Admits	Enrolled	Apps	Admits	Enrolled	Apps	Admits	Enrolled	Apps	Admits	Enrolled
<b>Freshman</b>	10,266	5,320	N/A	321	193	N/A	66	20	N/A	199	110	N/A	10,852	5,643	N/A
<b>Domestic</b>	10,228	5,309		320	193		66	20		197	110		10,811	5,632	0
<b>International</b>	38	11		1	0		0	0		2	0		41	11	0
<b>Transfer</b>	535	239	N/A	4	0	N/A	3	3	N/A	44	26	N/A	586	268	N/A
<b>Domestic</b>	531	238		4	0		3	3		44	26		582	267	0
<b>International</b>	4	1		0	0		0	0		0	0		4	1	0
<b>Returning</b>	32	21	N/A	2	1	N/A	3	3	N/A	6	5	N/A	43	30	N/A
<b>Domestic</b>	32	21		2	1		3	3		6	5		43	30	0
<b>International</b>	0	0		0	0		0	0		0	0		0	0	0
<b>TOTALS</b>	<b>10,833</b>	<b>5,580</b>	N/A	<b>327</b>	<b>194</b>	N/A	<b>72</b>	<b>26</b>	N/A	<b>249</b>	<b>141</b>	N/A	<b>11,481</b>	<b>5,941</b>	N/A

## Fall 2016 Day 15 Summary

### USU SYSTEM HEADCOUNT (AAA)

	LOGAN MAIN			LOGAN ONLINE & BROADCAST			REGIONAL CAMPUS			EASTERN (Price & Blanding)			OTHER*			TOTAL USU (Unduplicated)		
	2015	2016	% Diff	2015	2016	% Diff	2015	2016	% Diff	2015	2016	% Diff	2015	2016	% Diff	2015	2016	% Diff
<b>New Freshman</b>	3,818	3,685	-3%	571	411	-28%	208	225	8%	563	536	-5%	170	19	-89%	4,764	4,474	-6%
<b>Transfer</b>	1,148	1,113	-3%	426	356	-16%	314	346	10%	86	107	24%	137	161	18%	1,717	1,731	1%
<b>Continuing</b>	10,091	10,703	6%	4,341	4,851	12%	1,895	1,877	-1%	805	826	3%	1,216	1,051	-14%	14,261	14,560	2%
<b>Returning</b>	1,065	695	-35%	381	292	-23%	195	191	-2%	152	113	-26%	51	46	-10%	1,526	1,081	-29%
<b>HS Concurrent/Other</b>	0	1	0%	927	885	-5%	1,104	1,139	3%	490	479	-2%	132	145	10%	2,652	2,649	0%
<b>Non-Matriculated</b>	76	75	-1%	45	38	-16%	120	128	7%	5	30	500%	97	79	-19%	339	343	1%
<b>TOTALS</b>	<b>16,198</b>	<b>16,272</b>	<b>0%</b>	<b>6,691</b>	<b>6,833</b>	<b>2%</b>	<b>3,836</b>	<b>3,906</b>	<b>2%</b>	<b>2,101</b>	<b>2,091</b>	<b>0%</b>	<b>1,803</b>	<b>1,501</b>	<b>-17%</b>	<b>25,259</b>	<b>24,838</b>	<b>-2%</b>

\* Int'l Programs, Special Programs, Out-of-State Online, Etc.

### LOGAN HEADCOUNT BREAKDOWN (Freshman & Transfer)

	2015		2016		% of 2015	
	Admitted	Enrolled	Admitted	Enrolled	Admitted	Enrolled
<b>New Freshman</b>	12,054	3,797	12,049	3,630	100.0%	95.6%
<b>Domestic</b>	11,893	3,771	11,884	3,605	99.9%	95.6%
<b>Resident</b>	8,115	2,585	7,988	2,492	98.4%	96.4%
<b>Nonresident</b>	3,769	1,201	3,896	1,113	103.4%	92.7%
<b>International</b>	161	26	165	25	102.5%	96.2%
<b>New Transfer</b>	2,036	1,126	1,835	986	90.1%	87.6%
<b>Domestic</b>	1,975	1,107	1,792	970	90.7%	87.6%
<b>Resident</b>	1,170	708	1,097	660	93.8%	93.2%
<b>Nonresident</b>	805	399	695	310	86.3%	77.7%
<b>International</b>	61	19	43	16	70.5%	84.2%

+ Highlighted areas are a focus for the USU recruitment team.

## Trustees Report, USU Eastern, December 2016

**Chapter of Sigma Tau Delta at USU Eastern:** The International English Honor Society has approved a chapter at the Price Campus, with English Department faculty member, Dr. Michaelann Nelson, as faculty adviser. This is yet another sign of a growing baccalaureate culture at USU Eastern, with upper-division students creating and/or joining academic organizations in areas as diverse as English, psychology, wildlife science, and social work.

**Undergraduate Research Standout:** Christopher Anokam, undergraduate at the Price Campus, is passionate about creating renewable energy. His research in photovoltaic cells has been reviewed by experts and deemed worthy for presentation at the 2<sup>nd</sup> International Conference on Green Energy Expo on November 28, 2016 in Atlanta Georgia. His presentation there on dye-sensitized solar cells was awarded an honor "in recognition of research paper quality, novelty and significance." To extend his research, Christopher has been working with Dr. Yujie Sun, Assistant Professor in Inorganic Chemistry at the Logan Campus. Dr. Yujie Sun is also preparing Christopher to present his work at the National Undergraduate Research Conference. Quite recently Christopher's research was accepted for presentation at the *Utah Research on Capitol Hill* event, held in the Capitol rotunda on January 24th.

**Faculty member wins writing contest:** English Assistant Professor Jason Olsen's poetry manuscript *Fire Engine Descending a Staircase* won first place in the Utah Division of Arts and Museums 2016 Original Writing Competition in the category of "Book-length Collection of Poems." In awarding this honor, judge Lola Haskins commented of the collection that Olsen writes "well enough to have played it safe, yet [was] willing to risk it all to make something better." Dr. Olsen was also recognized as an Honorable Mention in the general "Poetry" category for his submission entitled "Von Erich."

**Housing up for third straight fall at Price Campus:** The number of students choosing to live on the Price campus continues to rise. For the third straight fall, the occupancy rate in housing has increased, even as housing discounts and scholarships have been eliminated from financial awards. For Fall 2016, occupancy rates climbed over 90 percent for the first time since the Utah State merger and residence life posted its third straight year of increased revenue.

**Holiday fine arts performances:** The USU Eastern theatre program presented "The Game's Afoot" December 1-3 and 8-10 in the Peterson Black Box Theatre at Price. The play was directed by Dr. Corey Ewan, with set design by Brent Innes. The USU Eastern choir presented "Festival of Carols" on December 7, with numbers by the USU Eastern Concert Choir and the Chamber Ensemble, directed by Dr. Larry Martin. Also, Dr. Martin conducted a combined community and college choir's performance of *The Messiah* on December 4<sup>th</sup>, drawing on the talents of performers from USU Eastern, Carbon High School, and the Price community choir.

***Tutoring expansion and utilization having positive effects:*** Expanded tutoring is providing more students with academic help on the Price Campus. Paid for with “Educationally Disadvantaged” funding from state allocation, the tutoring program has taken on a responsive tone. Participants were selected using data from the early alert system, which identifies students who are struggling early in the term and provides needed interventions. In the first semester of the responsive program, the number of students utilizing tutors has more than tripled.

***Campus responds to community floods:*** When Carbon County was hit with devastating flooding this fall, Utah State University Eastern responded. More than 300 volunteers, including more than 200 student-athletes, filled and placed sandbags, cleaned out ditches, helped homeowners and assisted in other relief efforts. All athletic team practices were cancelled for three days and more than 5,000 volunteer hours were logged in the relief efforts.

***Eighteen years of Bread and Soup Night generate more than fifty thousand dollars for local food banks:*** Each November for the past eighteen years, the Price Campus has invited local residents to dinners that would be typical at a homeless shelter – bread and soup. The proceeds of these dinners are then donated to local food banks. For the past eighteen years, these November dinners have generated more than fifty thousand dollars in donations to food banks. English Department faculty member Carrie Icard has spearheaded these dinners through the years, and the College’s employees and students volunteer to serve the meals.

***Faculty invest in ongoing professional development:*** Each year USU Eastern sends faculty to conferences to enhance their academic and professional growth and share expertise. For example, during the present year, art faculty Noel Carmack will attend the FATE’s 16<sup>th</sup> Biennial Conference in April, the premier organization for teaching beginning foundation courses in art at the college level. Automotive faculty Todd Richardson attended the ALI Automotive Diesel Training last September, providing him needed training. Psychology faculty Dr. Shane Bench will attend the Society for Personality and Social Psychology Convention in January, where he will present research entitled “The impact of boredom on cognitive scope.” Music faculty Dr. Larry Martin will attend the 2017 American Choral Director’s Association National Conference, to inspire excellence in choral music through education, performance, composition and advocacy.



December 12, 2016

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### **USUSA Report to the Board of Trustees**

#### **Can Drive Competition**

**Nov. 1—18th**

Due to a lack of food in the USU SNAC Pantry, USUSA held a can drive competition between organizations within Executive Council and Academic Senate. Through this competition, USUSA was able to raise over 700 cans for the SNAC pantry during a critical time of need. The winning organization was the Student Events Office and they received a pizza party as a thank you for their efforts.

#### **Campus Cup Winners**

**Nov. 17th**

Through the extensive efforts of the Government Relations Council and USUSA Officers, USU won the state Campus Cup Competition. The Campus Cup Competition is a statewide campaign held by the Lieutenant Governor's Office to encourage students to register and vote. USU won this competition for the second election season in a row, with an amazing 1,653 students that had either registered, voted, or both. Lieutenant Governor Spencer Cox will recognize USU and award the Campus Cup Trophy to the USU Government Relations Council during the 2017 Legislative Session.

#### **Science Week**

**Nov. 7—11**

Science Week was a wonderful opportunity for students campus-wide to meet distinguished alumni and to network with local scientists from the spider silk lab and the local water district. During this week, Senator Day also partnered with our Student Advocate VP to host an election night watch party. This election party had an incredible turnout, and helped increase political involvement and awareness on campus.

#### **Education and Human Services Week**

**Nov. 14—18**

During Education Week, students were able to participate in two major service projects — collecting cans for the Cache Valley Food Pantry and writing “thank you” cards to men and women on active duty for our military. Along with this, Senator Beck had promotional events for the college that allowed students to meet with the Dean of CEHS, and learn more about the college.

December 12, 2016

Ashley Waddoups | (435) 705-4221  
president.ususa@usu.edu

### **QPR Training**

**Oct.21—Dec 12.**

Throughout the semester, officers have been working hard to get their councils and organizations Question, Persuade, Refer (QPR) Training. This training is part of our officers' efforts to raise awareness of mental health issues. QPR teaches students to recognize the signs of suicide, and also empowers them so they know how to respond. So far the USUSA Executive Council, Academic Senate, President's Cabinet, and the Student Alumni Association are trained. Due to the efforts of Academic Senate, the QPR training was also filmed in order to offer students on regional campuses the opportunity to participate in this training remotely.

### **De-Stress Fest**

**Nov. 15**

In order to help destigmatize mental health, the USUSA President's Cabinet hosted a wellness fair called the "De-Stress Fest." At this "fest" students were able to enjoy free cotton candy, visit with therapy dogs from Intermountain Healthcare, make "kindness kits" for their fellow students, and learn about resources available to them. This event was a great success, drawing in many students who otherwise wouldn't have taken the time to learn more about the mental health resources.

### **New Engineering Senator**

**January 2017**

The current Engineering Senator, Olivia Binks, has decided to step down. The USUSA Executive Council appointed Jaque Johansen to take her place. Jaque has been the Engineering Council President for the past two years, and he comes highly commended by Senator Binks. USUSA is looking forward to working with Jaque this upcoming semester.

## **ACTION AGENDA**

### **1. Business and Finance Proposal**

A. Real Property Acquisition – Dayton, ID

### **2. Provost's Office R401 Proposals**

The Utah Board of Regents provide two basic versions for the R401 template. A “full template” is required for proposals of new Bachelors, Masters, and Doctoral degrees. An “abbreviated template” is allowed for lesser kinds of credentials such as certificates, minors, emphases, etc. and program changes such as program name changes, etc. At the level of the Regents, all proposals, full or abbreviated, undergo initial steps of review. However, R401 proposal of the abbreviated variety are eventually placed on the consent portion of the Regents Academic and Student Affairs Subcommittee agenda.

#### A. Abbreviated Template R401 Proposals

##### 1. Name Changes

- a. Proposal from the College of Agriculture and Applied Sciences to change the name of the Bachelor of Science in Agricultural Economics to Applied Economics
- b. Proposal from the College of Agriculture and Applied Sciences to change the name of the AAS in Business Administration to AAS in Small Business Operations
- c. Proposal from the College of Humanities and Social Sciences to change the name of Literary Studies to Literature
- d. Proposal from the College of Humanities and Social Sciences to change the name of the PhD in Theory and Practice of Professional Communication to PhD in Technical Communication and Rhetoric
- e. Proposal from the S.J. & Jessie E. Quinney College of Natural Resources to change the name of the Bachelor of Science in Wildlife Science to Wildlife Ecology and Management
- f. Proposal from the S.J. & Jessie E. Quinney College of Natural Resources to change the name of the Bachelor of Science in Rangeland Resources to Rangeland Ecology and Management
- g. Proposal from the S.J. & Jessie E. Quinney College of Natural Resources to change the name of the Bachelor of Science in Forestry to Forest Ecology and Management

## 2. Minors

- a. Proposal from the College of Agriculture and Applied Sciences to offer a Minor in Applied Economics-Small Firm Management
- b. Proposal from the College of Agriculture and Applied Sciences to offer a Minor in Residential Landscape Design
- c. Proposal from the Emma Eccles Jones College of Education and Human Services to offer a Minor in Yoga Studies
- d. Proposal from the College of Humanities and Social Sciences to offer a Minor in Native American Studies

## 3. Emphases and Specializations

- a. Proposal from the S.J. & Jessie E. Quinney College of Natural Resources to add five emphases to the Major in Management and Restoration of Aquatic Ecosystems
- b. Proposal from the S.J. & Jessie E. Quinney College of Natural Resources to offer a Forest Ecology Specialization for the Master of Science and PhD in Ecology
- c. Proposal from the Colleges of Agriculture and Applied Sciences, Engineering, Science, Humanities and Social Sciences, and the S.J. & Jessie E. Quinney College of Natural Resources to create a Climate Adaptation Science Specialization

## 4. Graduate Certificates

- a. Proposal from the College of Humanities and Social Sciences to offer a Graduate Certificate in Archiving and Public Programming
- b. Proposal from the S.J. & Jessie E. Quinney College of Natural Resources to offer a Graduate Certificate in Geographic Information Science

## 5. Other

- a. Proposal from the S.J. & Jessie E. Quinney College of Natural Resources, Department of Environment and Society to move the complete academic oversight of the Bachelor of Science in Geography to the Department of Environment and Society, to discontinue the physical geography emphasis in the Bachelor of Science in Geography, and to also change the name of the emphasis in Geographical Analysis and Bioregional Planning to Geographic Information Science.

## B. Full Template R401 Proposals

1. Proposal from the Emma Eccles Jones College of Education and Human Resources to offer a Bachelor of Science in Nursing
2. Proposal from the Colleges of Agriculture and Applied Sciences, Emma Eccles Jones College of Education and Human Services and College of Science to offer a Master in Public Health.

6 January 2017

**ITEM FOR ACTION**

**RE:** Real Property Acquisition

The real property acquisition described herein is submitted to the Utah State University Board of Trustees for review and approval. The proposed action has received appropriate administrative review and approval.

**EXECUTIVE SUMMARY**

Utah State University (USU) desires to acquire a parcel of agricultural land and water shares located at approximately 2000 North 4000 West, Dayton, Idaho as shown on the aerial photo in the attached Exhibit A. The property is 43.24 acres in size and includes 42 shares of water.

The property and water will be purchased from Dayton Perennials for the recently appraised value of \$300,000. Acquiring the property will enable USU to continue its research on the Black Walnut, Pecan, Hazelnut, and Butternut trees located on the property. USU will raise crops for livestock on the portion of ground that has no orchards. Funding for the acquisition and ongoing operation and maintenance costs will be funded by farm commodity revenues.

It is understood by the seller that USU must gain approval from its Board of Trustees and the Board of Regents before finalizing the purchase of the described real property.

**RECOMMENDATION**

The President and Vice President for Business and Finance recommend approval by the USU Board of Trustees of the real property acquisition.

**RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES**

WHEREAS, Utah State University (USU) desires to acquire a parcel of agricultural land and water shares located at approximately 2000 North 4000 West, Dayton, Idaho as shown on the aerial photo in the attached Exhibit A; and

WHEREAS, The property is 43.24 acres in size and includes 42 shares of water; and

WHEREAS, The property and water will be purchased from Dayton Perennials for the recently appraised value of \$300,000; and

WHEREAS, Acquiring the property will enable USU to continue its research on the Black Walnut, Pecan, Hazelnut, and Butternut trees located on the property; and

WHEREAS, USU will raise crops for livestock on the portion of ground that has no orchards; and

WHEREAS, Funding for the acquisition and ongoing operation and maintenance costs will be funded by farm commodity revenues; and

WHEREAS, It is understood by the seller that USU must gain approval from its Board of Trustees and the Board of Regents before finalizing the purchase of the described real property; and

WHEREAS, The President and Vice President for Business and Finance have reviewed the acquisition and recommend that the Board of Trustees approves the real property acquisition:

NOW THEREFORE, BE IT RESOLVED, That the USU Board of Trustees hereby approves the real property acquisition.

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**RESOLUTION APPROVED BY THE USU BOARD OF TRUSTEES**

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Date

EXHIBIT A



6 January 2017

**ITEM FOR ACTION**

Utah State University's Department of Applied Economics in the College of Agriculture and Applied Sciences proposes changing the name of the Bachelor of Science in Agricultural Economics to Bachelor of Science in Applied Economics in the manner described below.

**EXECUTIVE SUMMARY**

The Department of Applied Economics in the College of Agriculture and Applied Sciences proposes changing the name of the Bachelor of Science in Agricultural Economics to Bachelor of Science in Applied Economics.

**RECOMMENDATION**

The President and Provost recommend that the Board of Trustees approve the proposal to change the name of the Bachelor of Science in Agricultural Economics to Bachelor of Science in Applied Economics in the College of Agriculture and Applied Sciences.



RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Utah State University's Department of Applied Economics in the College of Agriculture and Applied Sciences proposes changing the name of the Bachelor of Science in Agricultural Economics to Bachelor of Science in Applied Economics, and

WHEREAS, The proposed change in the name of the degree permits it to align better with the department's programs, and

WHEREAS, The proposal has been approved by the academic dean, the Educational Policies Committee, and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal to offer a Bachelor of Science in Nursing in the Emma Eccles Jones College of Education and Human Services' Department of Nursing and Health Professions and that this proposal be forwarded to the Utah State Board of Regents of the Utah System of Higher Education.

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RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

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DATE:

## **Program Change Description - Abbreviated Template**

### **Section I: The Request**

Utah State University requests approval to change the name of the Bachelor of Science in Agricultural Economics to Applied Economics effective Fall 2017. This action was approved by the institutional Board of Trustees on January 6, 2017.

### **Section II: Program Proposal**

#### **Program Change Description/Rationale**

Agricultural Economics degrees have traditionally been the more science based degrees in many agricultural economics departments. In more recent times, many departments have broadened their programs and many traditional agricultural economics departments have changed their names to applied economics. Utah State University has followed this national trend with the department of Applied Economics name change in 2008. The Applied Economics department is requesting the name change for the B.S. degree from Agricultural Economics to Applied Economics to be more reflective of the breadth of the degree and to be more in line with the Agricultural and Applied Economics Association trends.

#### **Consistency with Institutional Mission/Institutional Impact**

This proposed B.S. major name change is consistent with the USU mission of being a student-centered land grant university. The new name is more reflective of the student's interests and likely helps them be marketable to a broader set of opportunities.

#### **Finances**

This change will have no financial impact as it is only a name change to an existing degree.

6 January 2017

### **ITEM FOR ACTION**

Utah State University's School of Applied Sciences, Technology and Education in the College of Agriculture and Applied Sciences proposes changing the name of the Associate of Applied Science in Business Administration to Associate of Applied Science in Small Business Operations in the manner described below.

### **EXECUTIVE SUMMARY**

The School of Applied Sciences, Technology and Education in the College of Agriculture and Applied Sciences proposes changing the name of the Associate of Applied Science in Business Administration to Associate of Applied Science in Small Business Operations.

### **RECOMMENDATION**

The President and Provost recommend that the Board of Trustees approve the proposal to change the name of the Associate of Applied Science in Business Administration to Associate of Applied Science in Small Business Operations in the College of Agriculture and Applied Sciences.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Utah State University's School of Applied Sciences, Technology and Education in the College of Agriculture and Applied Sciences proposes changing the name of the Associate of Applied Science in Business Administration to Associate of Applied Science in Small Business Operations, and

WHEREAS, The proposed degree will clarify the degree's focus for students at USU-Eastern, and

WHEREAS, The proposal has been approved by the academic dean, the Educational Policies Committee, and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal to change the name of the Associate of Applied Science in Business Administration to Associate of Applied Science in Small Business Operations in the College of Agriculture and Applied Sciences' School of Applied Sciences, Technology and Education and, that this proposal be forwarded to the Utah State Board of Regents of the Utah System of Higher Education.

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RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

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DATE:

## Program Change Description - Abbreviated Template

### Section I: The Request

Utah State University requests approval to change the name of the AAS in Business Administration to AAS in Small Business Operations effective Summer 2017. This action was approved by the institutional Board of Trustees on January 6, 2017.

### Section II: Program Proposal

#### Program Change Description/Rationale

*Present a brief program change description. Describe the institutional procedures used to arrive at a decision for the change. Briefly indicate why such a change should be initiated. State how the institution and the USHE benefit by the change.*

The proposal is only for a name change and accompanying CIP code change. The proposed change is internal to the USU system whereas the current degree name is an artifact of the USU and CEU merger of 2010. Currently, USU Eastern has an Associates of Applied Science (AAS) degree labeled Business Administration. The AAS degree in Business Administration has been in place for 30+ years. Yet, the academic preparation and career intention for this degree are not well aligned with current industry and accreditation standards. In addition, the Huntsman School of Business on the USU Logan campus has a Bachelor of Science in Business Administration. The degree of articulation between the AAS of Business Administration at USU Eastern and the BS in Business Administration from the Huntsman School of Business is low. This produces a high degree of confusion and consternation among students, faculty, and stakeholders. Rarely are USU Eastern students with an AAS in Business Administration allowed to enter the Business Administration program in the Huntsman School of Business without restriction. Therefore, the time has come to change the name of the AAS in Business Administration to more accurately reflect academic outcomes and career intentions. It is proposed that the name of the degree be changed to: Small Business Operations. The current array of required courses and academic experiences outside the classroom are better expressed with this name change. The course requirements would remain the same. The academic home for the AAS in Small Business Operations would also remain the same -- in the School of Applied Sciences, Technology, and Education. The CIP code would need to change.

#### Consistency with Institutional Mission/Institutional Impact

*Explain how the action is consistent with the institution's Regent-approved mission, roles, and goals. Institutional mission and roles may be found at [higheredutah.org/policies/policyr312/](http://higheredutah.org/policies/policyr312/). Indicate if the program will be delivered outside of designated service area; provide justification. Service areas are defined in [higheredutah.org/policies/policyr315/](http://higheredutah.org/policies/policyr315/). Will faculty or staff structures be impacted by the proposed change?*

The proposed change, albeit specific to the internal operation of the university, will clarify roles and responsibilities for USU in delivering across the state through the strategical location of regional campuses and rural outposts. The change in name will help streamline the matriculation of students from campuses outside of Logan who complete the AAS degree in this business related major.

The program will continue to be offered in the designated service area.

Faculty, staff, students, and stakeholder will not experience a change in organization structure or teaching strategies. The proposed name change will improve the academic and career pathway for students who start with an interest in general business competencies in a regional campus and then choose to complete one of the many excellent Huntsman School of Business degrees.

The proposed name change would also directly align with the Small Business Development Center (SBDC) model. The new SBDC model, as now delivered statewide via USU Extension, will provide collateral support to the local USU Eastern program in Small Business Operations.

The proposed name change will allow for greater articulation with the USU lead stackable credential concept. The proposed name change to Small Business Operations will include the possibility to complete a Certificate of Proficiency in Small Business Entrepreneurship. Increased access to on-ramps and off-ramps along an academic pathway will advance the impact of higher education in rural Utah.

## **Finances**

*What costs or savings are anticipated from this change? If new funds are required to implement the change, indicate expected sources of funds. Describe any budgetary impact on other programs or units within the institution.*

There will be no required or expected cost for the proposed program name change. The only indirect cost savings will come from reduced confusion and frustration when current AAS Business Administration students at USU Eastern attempt to transfer into the Huntsman School of Business.

6 January 2017

**ITEM FOR ACTION**

Utah State University's Department of English in the College of Humanities and Social Sciences proposes changing the name of the Bachelor of Science and Bachelor of Arts in Literary Studies to Literature in the manner described below.

**EXECUTIVE SUMMARY**

The Department of English in the College of Humanities and Social Sciences proposes changing the name of the Bachelor of Science and Bachelor of Arts in Literary Studies to Literature.

**RECOMMENDATION**

The President and Provost recommend that the Board of Trustees approve the proposal to change the name of the Bachelor of Science and Bachelor of Arts in Literary Studies to Literature in the College of Humanities and Social Sciences.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Utah State University's Department of English in the College of Humanities and Social Sciences proposes changing the name of the Bachelor of Science and Bachelor of Arts in Literary Studies to Literature, and

WHEREAS, The proposed name change of this degree provides greater clarity for students, and

WHEREAS, The proposal has been approved by the academic dean, the Educational Policies Committee, and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal to change the name of the Bachelor of Science and Bachelor of Arts in from Literary Studies to Literature in the College of Humanities and Social Sciences' Department of English and that this proposal be forwarded to the Utah State Board of Regents of the Utah System of Higher Education.

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RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

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DATE:



## Program Change Description - Abbreviated Template

### Section I: The Request

Utah State University requests approval to change the name of the Bachelor of Science and Bachelor of Arts in Literary Studies to Literature effective Summer 2017. This action was approved by the institutional Board of Trustees on January 6, 2017.

### Section II: Program Proposal

#### Program Change Description/Rationale

*Present a brief program change description. Describe the institutional procedures used to arrive at a decision for the change. Briefly indicate why such a change should be initiated. State how the institution and the USHE benefit by the change.*

"Literature" is a more concrete and concise emphasis name than "Literary Studies." The changed name will thus be clearer to students. "Literature" is also more consistent with emphasis and concentration names in English departments at other Intermountain universities, such as Colorado State University.

#### Consistency with Institutional Mission/Institutional Impact

*Explain how the action is consistent with the institution's Regent-approved mission, roles, and goals. Institutional mission and roles may be found at [higheredutah.org/policies/policyr312/](http://higheredutah.org/policies/policyr312/). Indicate if the program will be delivered outside of designated service area; provide justification. Service areas are defined in [higheredutah.org/policies/policyr315/](http://higheredutah.org/policies/policyr315/). Will faculty or staff structures be impacted by the proposed change?*

This change is designed to best "meet the educational needs of the citizens of the state of Utah," as per R312-1, Configuration of the Utah System of Higher Education and Institutional Missions and Roles. The program will not be delivered outside of the designated service area. Faculty and staff structures will not be impacted by the change.

#### Finances

*What costs or savings are anticipated from this change? If new funds are required to implement the change, indicate expected sources of funds. Describe any budgetary impact on other programs or units within the institution.*

This change will not have any budgetary impact.

6 January 2017

**ITEM FOR ACTION**

Utah State University's Department of English in the College of Humanities and Social Sciences proposes changing the name of the PhD in Theory and Practice of Professional Communication to PhD in Technical Communication and Rhetoric in the manner described below.

**EXECUTIVE SUMMARY**

The Department of English in the College of Humanities and Social Sciences proposes changing the name of the PhD in Theory and Practice of Professional Communication to PhD in Technical Communication and Rhetoric.

**RECOMMENDATION**

The President and Provost recommend that the Board of Trustees approve the proposal to change the name of the PhD in Theory and Practice of Professional Communication to PhD in Technical Communication and Rhetoric in the College of Humanities and Social Sciences.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Utah State University's Department of English in the College of Humanities and Social Sciences proposes changing the name of the PhD in Theory and Practice of Professional Communication to PhD in Technical Communication and Rhetoric, and

WHEREAS, The proposed change will provide greater clarity of the degree's focus, and

WHEREAS, The proposal has been approved by the academic dean, the Educational Policies Committee, and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal to change the name of the PhD in Theory and Practice of Professional Communication to PhD in Technical Communication and Rhetoric in the College of Humanities and Social Sciences' Department of English and that this proposal be forwarded to the Utah State Board of Regents of the Utah System of Higher Education.

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RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

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DATE:

## Program Change Description - Abbreviated Template

### Section I: The Request

Utah State University requests approval to change the name of the PhD in the Theory and Practice of Professional Communication to PhD in Technical Communication and Rhetoric effective Summer 2017. This action was approved by the institutional Board of Trustees on **January 6, 2017**.

### Section II: Program Proposal

#### Program Change Description/Rationale

*Present a brief program change description. Describe the institutional procedures used to arrive at a decision for the change. Briefly indicate why such a change should be initiated. State how the institution and the USHE benefit by the change.*

The proposed name for the existing PhD program will more clearly and accurately reflect the existing program curriculum, and it will be more recognizable and understandable to potential student applicants. The major professional association to which the faculty belong and the major academic journals in the field consistently use the terms "technical communication" and "rhetoric." In other words, these terms are used more commonly in the field than "theory and practice of professional communication."

#### Consistency with Institutional Mission/Institutional Impact

*Explain how the action is consistent with the institution's Regent-approved mission, roles, and goals. Institutional mission and roles may be found at [higheredutah.org/policies/policyr312/](http://higheredutah.org/policies/policyr312/). Indicate if the program will be delivered outside of designated service area; provide justification. Service areas are defined in [higheredutah.org/policies/policyr315/](http://higheredutah.org/policies/policyr315/). Will faculty or staff structures be impacted by the proposed change?*

This change is designed to best "meet the educational needs of the citizens of the state of Utah," as per R312-1, Configuration of the Utah System of Higher Education and Institutional Missions and Roles, in that it more clearly communicates what the degree does. The program will not be delivered outside of the designated service area. Faculty and staff structures will not be impacted by the change.

#### Finances

*What costs or savings are anticipated from this change? If new funds are required to implement the change, indicate expected sources of funds. Describe any budgetary impact on other programs or units within the institution.*

This change will not have any budgetary impact.

6 January 2017

**ITEM FOR ACTION**

Utah State University's Department of Wildland Resources in the S.J. & Jessie E. Quinney College of Natural Resources proposes changing the name of the Bachelor of Science in Wildlife Science to Wildlife Ecology and Management in the manner described below.

**EXECUTIVE SUMMARY**

The Department of Wildland Resources in the S.J. & Jessie E. Quinney College of Natural Resources proposes changing the name of the Bachelor of Science in Wildlife Science to Wildlife Ecology and Management.

**RECOMMENDATION**

The President and Provost recommend that the Board of Trustees approve the proposal to change the name of the Bachelor of Science in Wildlife Science to Wildlife Ecology and Management in the S.J. & Jessie E. Quinney College of Natural Resources.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Utah State University's Department of Wildland Resources in the S.J. & Jessie E. Quinney College of Natural Resources proposes changing the name of the Bachelor of Science in Wildlife Science to Wildlife Ecology and Management, and

WHEREAS, The proposed name change better reflects the degree's curriculum, and

WHEREAS, The proposal has been approved by the academic dean, the Educational Policies Committee, and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal to change the name of the Bachelor of Science in Wildlife Science to Wildlife Ecology and Management in the S.J. & Jessie E. Quinney College of Natural Resources' Department of Wildland Resources and that this proposal be forwarded to the Utah State Board of Regents of the Utah System of Higher Education.

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RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

\_\_\_\_\_  
DATE:

## Program Change Description - Abbreviated Template

### Section I: The Request

Utah State University requests approval to change the name of the Bachelor of Science in Wildlife Science to Wildlife Ecology and Management effective Fall 2017. This action was approved by the institutional Board of Trustees on January 6, 2017.

### Section II: Program Proposal

#### Program Change Description/Rationale

*Present a brief program change description. Describe the institutional procedures used to arrive at a decision for the change. Briefly indicate why such a change should be initiated. State how the institution and the USHE benefit by the change.*

Utah State University offers a BS in Wildlife Science. Though wildlife management is still much of the focus for the degree, over the last two decades what is taught in that degree and what the students learn has become very ecologically focused. The Wildland Resources Department (WILD) therefore proposes to change the name of the Wildlife Science BS degree to Wildlife Ecology and Management to reflect these changes. The wildlife profession is increasingly incorporating ecological principles, with sustainability, wildlife and fisheries habitat conservation, water quality issues, and dealing with climate change and its effects on habitat becoming management priorities. Similarly, employers of graduates from wildlife-oriented programs increasingly value ecological experience and expertise in students, and students are increasingly interested in ecological perspectives. Students in the Wildlife Science major have traditionally come to the field because of their interest in hunting and fishing, but incoming students are increasingly ecologically oriented. The Utah State University Wildland Resources Department offers a BS degree in Wildlife Science that, over the past two decades or so has become increasingly focused on wildlife ecology, but the current degree name does not reflect this focus. It is felt that by adding the word "Ecology" to this degree name it will more accurately describe the nature of the degree, and also may attract more students who are interested in studying ecology. This addition also may be a benefit when students are looking for employment, since some prospective employers may be looking for a student with an ecology background. Also by adding the word "Management" to the degree name it will be reaffirming the fundamental focus on training students to be wildlife managers. Having the students receive a BS in Wildlife Ecology and Management will make it clear for both students and future employers the degree's focus and content. Also, if the proposed name changes for the Forestry and Rangeland Resources BS degrees to Forest Ecology and Management and Rangeland Ecology and Management are approved, the names of all three degrees will be similar and may make degree marketing more straight forward. Through informal discussions among faculty and students in WILD, both of these advantages have become apparent. A recent poll of the faculty showed that 100% of those who expressed an opinion (two-thirds responded) support this change. Polled students in an introduction to natural resources class a few years ago and they felt good about having the word ecology in a degree name.

#### Consistency with Institutional Mission/Institutional Impact

*Explain how the action is consistent with the institution's Regent-approved mission, roles, and goals. Institutional mission and roles may be found at [higheredutah.org/policies/policyr312/](http://higheredutah.org/policies/policyr312/). Indicate if the program will be delivered outside of designated service area; provide justification. Service areas are defined in [higheredutah.org/policies/policyr315/](http://higheredutah.org/policies/policyr315/). Will faculty or staff structures be impacted by the proposed change?*

This change is consistent with the mission of USU as the state's land grant university. No significant

institutional impact is anticipated.

### **Finances**

*What costs or savings are anticipated from this change? If new funds are required to implement the change, indicate expected sources of funds. Describe any budgetary impact on other programs or units within the institution.*

No budgetary impacts are anticipated.



6 January 2017

### **ITEM FOR ACTION**

Utah State University's Department of Wildland Resources in the S.J. & Jessie E. Quinney College of Natural Resources proposes changing the name of the Bachelor of Science in Rangeland Resources to Rangeland Ecology and Management in the manner described below.

### **EXECUTIVE SUMMARY**

The Department of Wildland Resources in the S.J. & Jessie E. Quinney College of Natural Resources proposes changing the name of the Bachelor of Science in Rangeland Resources to Rangeland Ecology and Management.

### **RECOMMENDATION**

The President and Provost recommend that the Board of Trustees approve the proposal to change the name of the Bachelor of Science in Rangeland Resources to Rangeland Ecology and Management in the S.J. & Jessie E. Quinney College of Natural Resources.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Utah State University's Department of Wildland Resources in the S.J. & Jessie E. Quinney College of Natural Resources proposes changing the name of the Bachelor of Science in Rangeland Resources to Rangeland Ecology and Management, and

WHEREAS, The proposed name change better reflects the degree's curriculum, and

WHEREAS, The proposal has been approved by the academic dean, the Educational Policies Committee, and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal to change the name of the Bachelor of Science in Rangeland Resources to Rangeland Ecology and Management in the S.J. & Jessie E. Quinney College of Natural Resources' Department of Wildland Resources and that this proposal be forwarded to the Utah State Board of Regents of the Utah System of Higher Education.

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RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

\_\_\_\_\_  
DATE:

## Program Change Description - Abbreviated Template

### Section I: The Request

Utah State University requests approval to change the name of the Bachelor of Science in Rangeland Resources to Rangeland Ecology and Management effective Fall 2017. This action was approved by the institutional Board of Trustees on **January 6, 2017**.

### Section II: Program Proposal

#### Program Change Description/Rationale

*Present a brief program change description. Describe the institutional procedures used to arrive at a decision for the change. Briefly indicate why such a change should be initiated. State how the institution and the USHE benefit by the change.*

Utah State University offers a BS in Rangeland Resources. Though rangeland management is still much of the focus for the degree, over the last two decades what is taught in that degree and what the students learn has become very ecologically focused. The Wildland Resources Department (WILD) therefore proposes to change the name of the Rangeland Resources BS degree to Rangeland Ecology and Management to reflect these changes. The range profession is increasingly incorporating ecological principles, with sustainability, wildlife and fisheries habitat conservation, water quality issues, and carbon sequestration becoming management priorities. Similarly, employers of graduates from range-oriented programs increasingly value ecological experience and expertise in students, and students are increasingly interested in ecological perspectives. Students in the Rangeland Resources major are increasingly likely to come from an urban/suburban background rather than what in the past would more likely be a rural ranching background. The Utah State University Wildland Resources Department offers a BS degree in Rangeland Resources that, over the past two decades or so has become increasingly focused on range ecology, but the current degree name does not reflect this focus. It is felt that by adding the word "Ecology" to this degree name it will more accurately describe the nature of the degree, and also may attract more students who are interested in studying ecology. This addition also may be a benefit when students are looking for employment, since some prospective employers may be looking for a student with an ecology background. Also by adding the word "Management" to the degree name it will reaffirm the fundamental focus on training students to be rangeland managers. Having the students receive a BS in Rangeland Ecology and Management will make it clear for both students and future employers the degree's focus and content. This name change may result in increased enrollment, which would be good since enrollment in the major, though it has increased in the last several years, is much smaller than is liked and smaller than can be handled (29 as of August 2016). The job market can handle increased graduates in range, since nearly every student who graduates with a BS in Rangeland Resources from USU gets a job in their field or continues on to graduate school. Through informal discussions among faculty and students in WILD, both of these advantages have become apparent. A recent poll of the faculty showed that 100% of those who expressed an opinion (two-thirds responded) support this change. Students were polled in an introduction to natural resources class a few years ago and they felt good about having the word ecology in a degree name.

### **Consistency with Institutional Mission/Institutional Impact**

*Explain how the action is consistent with the institution's Regent-approved mission, roles, and goals. Institutional mission and roles may be found at [higheredutah.org/policies/policyr312/](http://higheredutah.org/policies/policyr312/) . Indicate if the program will be delivered outside of designated service area; provide justification. Service areas are defined in [higheredutah.org/policies/policyr315/](http://higheredutah.org/policies/policyr315/) . Will faculty or staff structures be impacted by the proposed change?*

This change is consistent with the mission of USU as the state's land grant university. No significant institutional impact is anticipated, though over time the enrollment in range major may increase but, as mentioned above, this would be good.

### **Finances**

*What costs or savings are anticipated from this change? If new funds are required to implement the change, indicate expected sources of funds. Describe any budgetary impact on other programs or units within the institution.*

No budgetary impacts are anticipated.

6 January 2017

**ITEM FOR ACTION**

Utah State University's Department of Wildland Resources in the S.J. & Jessie E. Quinney College of Natural Resources proposes changing the name of the Bachelor of Science in Forestry to Forest Ecology and Management in the manner described below.

**EXECUTIVE SUMMARY**

The Department of Wildland Resources in the S.J. & Jessie E. Quinney College of Natural Resources proposes changing the name of the Bachelor of Science in Forestry to Forest Ecology and Management.

**RECOMMENDATION**

The President and Provost recommend that the Board of Trustees approve the proposal to change the name of the Bachelor of Science in Forestry to Forest Ecology and Management in the S.J. & Jessie E. Quinney College of Natural Resources.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Utah State University's Department of Wildland Resources in the S.J. & Jessie E. Quinney College of Natural Resources proposes changing the name of the Bachelor of Science in Forestry to Forest Ecology and Management, and

WHEREAS, The proposed name change better reflects the degree's curriculum, and

WHEREAS, The proposal has been approved by the academic dean, the Educational Policies Committee, and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal to change the name of the Bachelor of Science in Forestry to Forest Ecology and Management in the S.J. & Jessie E. Quinney College of Natural Resources' Department of Wildland Resources and that this proposal be forwarded to the Utah State Board of Regents of the Utah System of Higher Education.

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RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

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DATE:

## Program Change Description - Abbreviated Template

### Section I: The Request

Utah State University requests approval to change the name of the Bachelor of Science in Forestry to Forest Ecology and Management effective Fall 2017. This action was approved by the institutional Board of Trustees on January 6, 2017.

### Section II: Program Proposal

#### Program Change Description/Rationale

*Present a brief program change description. Describe the institutional procedures used to arrive at a decision for the change. Briefly indicate why such a change should be initiated. State how the institution and the USHE benefit by the change.*

Utah State University offers a BS in Forestry. Though forest management is still much of the focus for the degree, over the last two decades what is taught in that degree and what the students learn has become very ecologically focused. The Wildland Resources Department (WILD) therefore proposes to change the name of the Forestry BS degree to Forest Ecology and Management to reflect these changes. The forestry profession is increasingly incorporating ecological principles, with sustainability, wildlife and fisheries habitat conservation, water quality issues, and carbon sequestration becoming management priorities. Similarly, forestry-related employers increasingly value ecological experience and expertise in students, and students are increasingly interested in ecological perspectives. For example, beginning in 2012, the USDA Forest Service is required to include substantive assessment of "ecological integrity" of forest ecosystems in their management plans. The Utah State University Wildland Resources Department offers a BS degree in Forestry that, over the past two decades or so has become increasingly focused on forest ecology, but the current degree name does not reflect this focus. It is felt that by adding the word "Ecology" to this degree name will more accurately describe the nature of the degree, and also may attract more students who are interested in studying ecology. This addition also may be a benefit when students are looking for employment, since some prospective employers may be looking for a student with an ecology background. Also by adding the word "Management" to the degree name it will reaffirm the fundamental focus on training students to be forest land managers. Having students receive a BS in Forest Ecology and Management will make it clear for both students and future employers the degree's focus and content. This name change may result in increased enrollment, which would be good since enrollment in the major, though it has increased in the last several years, is smaller than liked and smaller than can be handled (40 as of September 2016). It is felt that the job market can handle increased graduates in forestry, since nearly every student who graduates with a BS in Forestry from USU gets a job in their field or continues on to graduate school. Through informal discussions among faculty and students in WILD, both of these advantages have become apparent. A recent poll of faculty showed that 100% of those who expressed an opinion (two-thirds responded) support this change. Students were in an introduction to natural resources class a few years ago and they felt good about having the word ecology in a degree name.

#### Consistency with Institutional Mission/Institutional Impact

*Explain how the action is consistent with the institution's Regent-approved mission, roles, and goals. Institutional mission and roles may be found at [higheredutah.org/policies/policyr312/](http://higheredutah.org/policies/policyr312/). Indicate if the program will be delivered outside of designated service area; provide justification. Service areas are defined in [higheredutah.org/policies/policyr315/](http://higheredutah.org/policies/policyr315/). Will faculty or staff structures be impacted by the proposed change?*

This change is consistent with the mission of USU as the state's land grant university. No significant

institutional impact is anticipated, though over time the enrollment in the forestry major may increase but, as mentioned above, this would be good.

### **Finances**

*What costs or savings are anticipated from this change? If new funds are required to implement the change, indicate expected sources of funds. Describe any budgetary impact on other programs or units within the institution.*

No budgetary impacts are anticipated.



6 January 2017

**ITEM FOR ACTION**

Utah State University's Department of Applied Economics in the College of Agriculture and Applied Sciences proposes offering a Minor in Applied Economics/Small Firm Management in the manner described below.

**EXECUTIVE SUMMARY**

The Department of Applied Economics in the College of Agriculture and Applied Sciences proposes offering a Minor in Applied Economics/Small Firm Management.

**RECOMMENDATION**

The President and Provost recommend that the Board of Trustees approve the proposal to offer a Minor in Applied Economics/Small Firm Management in the College of Agriculture and Applied Sciences.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Utah State University's Department of Applied Economics in the College of Agriculture and Applied Sciences proposes offering a Minor in Applied Economics/Small Firm Management, and

WHEREAS, The proposed minor will provide students with an option for an area of business education, and

WHEREAS, The proposal has been approved by the academic dean, the Educational Policies Committee, and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal to offer a Minor in Applied Economics/Small Firm Management in the College of Agriculture and Applied Sciences' Department of Applied Economics and that this proposal be forwarded to the Utah State Board of Regents of the Utah System of Higher Education.

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RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

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DATE:

**Utah System of Higher Education  
Program Description - Abbreviated Template**

**Section I: The Request**

Utah State University requests approval to offer the following Minor: Applied Economics/Small Firm Management effective Fall 2017. This program was approved by the institutional Board of Trustees on **6 January 2017** .

**Section II: Program Proposal/Needs Assessment**

**Program Description/Rationale**

*Present a brief program description. Describe the institutional procedures used to arrive at a decision to offer the program. Briefly indicate why such a program should be initiated. State how the institution and the USHE benefit by offering the proposed program. Provide evidence of student interest and demand that supports potential program enrollment.*

This proposed minor requires a minimum of 15 credits and focuses on applied economics and small firm management concepts for those students interested in owning, managing or working in a small business. The Applied Economics department was approached by department heads from other units in the College of Agriculture and Applied Sciences whose students were interested in this type of minor to complement their majors. Academic advisors were asked to provide feedback on student needs and they also shared the demand from students for this minor. For many of the students most interested in this new minor, they don't qualify for course work or minors in the Huntsman School of Business because of either their major or their academic GPA. The students in Landscape, Architecture and Environmental Planning and the students in the Aviation program are especially interested in this minor.

**Labor Market Demand**

*Provide local, state, and/or national labor market data that speak to the need for this program. Occupational demand, wage, and number of annual openings information may be found at sources such as Utah DWS Occupation Information Data Viewer ([jobs.utah.gov/jsp/wi/utalmis/gotoOccinfo.do](http://jobs.utah.gov/jsp/wi/utalmis/gotoOccinfo.do)) and the Occupation Outlook Handbook ([www.bls.gov/oco](http://www.bls.gov/oco)).*

Utah employment projections for general managers projects an increase of 2.5% annually for this type of job. Annual openings are expected to be 1,000 and this category earns a 5 Star Rating.

**Consistency with Institutional Mission/Impact on Other USHE Institutions**

*Explain how the program is consistent with the institution's Regents-approved mission, roles, and goals. Institutional mission and roles may be found at [higheredutah.org/policies/policyr312/](http://higheredutah.org/policies/policyr312/) . Indicate if the program will be delivered outside of designated service area; provide justification. Service areas are defined in [higheredutah.org/policies/policyr315/](http://higheredutah.org/policies/policyr315/) .*

This proposed minor is consistent with the USU mission of being a student-centered land grant university. It should not impact other USHE Institutions in that USU has the only Applied Economics Department and no other institution offers an Applied Economics/Small Firm Management Minor.

**Finances**

*What costs or savings are anticipated in implementing the proposed program? If new funds are required, indicate expected sources of funds. Describe any budgetary impact on other programs or units within the institution.*

There will be no additional costs and no additional savings with this new minor. All courses are currently being taught.

### Section III: Curriculum

#### Program Curriculum

List all courses, including new courses, to be offered in the proposed program by prefix, number, title, and credit hours (or credit equivalences). Indicate new courses with an X in the appropriate columns. The total number of credit hours should reflect the number of credits required to receive the award. **For NEW Emphases, skip to emphases tables below.**

*For variable credits, please enter the minimum value in the table below for credit hours. To explain variable credit in detail as well as any additional information, use the narrative box below.*

		Course Number	NEW Course	Course Title	Credit Hours
General Education Courses (list specific courses if recommended for this program on Degree Map)					
<b>General Education Credit Hour Sub-Total</b>					
<b>Required Courses</b>					
<input type="radio"/>	<input type="radio"/>	APEC 2010		Introduction to Microeconomics (BSS)	3
<input type="radio"/>	<input type="radio"/>				
<input type="radio"/>	<input type="radio"/>	APEC 3020		Firm Finance and Records Analysis	or
<input type="radio"/>	<input type="radio"/>	BUSN 2160		Introduction to Business Finance	3
<input type="radio"/>	<input type="radio"/>				
<input type="radio"/>	<input type="radio"/>	BUSN 2320		Small Business Management – CTE(HR) 3 credits	or
<input type="radio"/>	<input type="radio"/>	BUSN 2321		Small Business Management	2
Choose 1 of the following courses:					
<input type="radio"/>	<input type="radio"/>	AV 3120		Aviation Law	3
<input type="radio"/>	<input type="radio"/>	BUSN 2050		Business Law	4
<input type="radio"/>	<input type="radio"/>	MGT 2050		Business Law	2
<input type="radio"/>	<input type="radio"/>				
<b>Required Course Credit Hour Sub-Total</b>					10
<b>Elective Courses</b>					
<input type="radio"/>	<input type="radio"/>				
Choose 2 of the following courses:					
<input type="radio"/>	<input type="radio"/>	APEC 3500		Commodity Futures & Options Trading & Analysis	2
<input type="radio"/>	<input type="radio"/>	APEC 4250		Applied Economics Internship	3
<input type="radio"/>	<input type="radio"/>	AV 4280		Aviation Management	3
<input type="radio"/>	<input type="radio"/>	ASTE 3100		Personal & Team Leadership	3
<input type="radio"/>	<input type="radio"/>	LAEP 4910		Communication & Leadership in Professional Practice	3
<input type="radio"/>	<input type="radio"/>	FCHD 3350		Family Finance	3
<input type="radio"/>	<input type="radio"/>	MGT 3-4000 level		Any Approved MGT 3000 or 4000 level course	3
<input type="radio"/>	<input type="radio"/>				
<b>Elective Credit Hour Sub-Total</b>					5
<b>Core Curriculum Credit Hour Sub-Total</b>					15

## **Program Curriculum Narrative**

*Describe any variable credits. You may also include additional curriculum information, as needed.*

There are 10-13 credits of required courses for this minor, depending upon course selection. There are 5-6 elective credits required for this minor, depending upon course selection. Therefore the minor requires a minimum of 15 credits and may require as many as 19 credits based on course selection. APEC 4250 is listed as a variable credit course. However, to count it for this minor it must be taken for 3 credits. Students can only use ASTE 3100 or LAEP 4910 for the minor but cannot use both courses.

## Degree Map

Degree maps pertain to undergraduate programs ONLY. Provide a degree map for proposed program. Degree Maps were approved by the State Board of Regents on July 17, 2014 as a degree completion measure. Degree maps or graduation plans are a suggested semester-by-semester class schedule that includes prefix, number, title, and semester hours. For more details see <http://higheredutah.org/pdf/agendas/201407/TAB%20A%202014-7-18.pdf> (Item #3).

Please cut-and-paste the degree map or manually enter the degree map in the table below

<b>First Year Fall</b>	<b>Cr. Hr.</b>	<b>First Year Spring</b>	<b>Cr. Hr.</b>
APEC 2010 Introduction to Microeconomics	3	APEC 3020 Firm Finance and Records Analysis	3
MGT 2050 Business Law	2	BUSN 2321 Small Business Management	2
<b>Total</b>	<b>5</b>	<b>Total</b>	<b>5</b>
<b>Second Year Fall</b>	<b>Cr. Hr.</b>	<b>Second Year Spring</b>	<b>Cr. Hr.</b>
APEC 3500 Commodity Futures Trading	2		
ASTE 3100 Personal & Team Leadership	3		
<b>Total</b>	<b>5</b>	<b>Total</b>	
<b>Four Year Map</b>			

6 January 2017

**ITEM FOR ACTION**

Utah State University's Department of Plants, Soils, and Climate in the College of Agriculture and Applied Sciences proposes offering a Minor in Residential Landscape Design in the manner described below.

**EXECUTIVE SUMMARY**

The Department of Plants, Soils, and Climate in the College of Agriculture and Applied Sciences proposes offering a Minor in Residential Landscape Design.

**RECOMMENDATION**

The President and Provost recommend that the Board of Trustees approve the proposal to offer a Minor in Residential Landscape Design in the College of Agriculture and Applied Sciences.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Utah State University's Department of Plants, Soils, and Climate in the College of Agriculture and Applied Sciences proposes offering a Minor in Residential Landscape Design, and

WHEREAS, The proposed minor will provide skills for students interested in starting a landscape business or progressing to higher positions in organizations that provide landscape services, and

WHEREAS, The proposal has been approved by the academic dean, the Educational Policies Committee, and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal to offer a Minor in Residential Landscape Design in the College of Agriculture and Applied Sciences' Department of Plants, Soils, and Climate and, that this proposal be forwarded to the Utah State Board of Regents of the Utah System of Higher Education.

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RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

\_\_\_\_\_  
DATE:



## Program Description - Abbreviated Template

### Section I: The Request

Over the past several years, the Plants, Soils, and Climate Department (PSC) has offered a Bachelor's degree in Residential Landscape Design & Construction. Proposing a minor in Residential Landscape Design as a compliment to students majoring in Plant Science or Horticulture as well as students in other disciplines. In regards to the approval of the minor, it is important to realize that the faculty, facilities & funding will remain unchanged.

### Section II: Program

#### Proposal/Needs Assessment Program Description/Rationale

Over the past several years, the Plants, Soils, and Climate Department (PSC) has offered a Bachelor's degree in Residential Landscape Design & Construction. Proposing a minor in Residential Landscape Design will compliment students majoring in Plant Science or Horticulture as well as students in other disciplines. In regards to the approval of the minor, it is important to realize that the faculty, facilities & funding will remain unchanged.

#### Labor Market Demand

This program is valuable and will provide skills for students interested in starting a landscape business or progressing to higher positions in organizations that provide landscape services. The continued urbanization and population growth of Utah make it highly likely that there will continue to be strong labor market demand for graduates in horticulture focused on urban needs. The Utah Department of Workforce Services describes the positions relating to First-Line Supervisors of Landscaping, Lawn Service, and Grounds keeping Workers as having a good employment outlook and relatively high wages. The department also describes the field as having faster than average employment growth with a high volume of annual job openings. Business expansion, as opposed to the need for replacements, will provide the majority of job openings in the coming decade. This is likely due to the expectations of 1.6 million new residents in Utah by 2040 and 80% of these located along the Wasatch Front (Utah Legislature Briefing paper, Feb. 2014). As a result, it is expected that long term trends will be consistent or more likely grow for this degree with the increased demands on urban landscapes.

Students especially those in Plant Science or Horticulture that will work in an urban setting will have more tools to make them marketable if they have the working knowledge not only in plants, production, maintenance & care, but in residential landscape design as well. Currently, students who major in RLDC and minor in Horticulture. This minor will allow students who choose to have their degree with more emphasis in plants & the sciences to be able to add that design component to their skill set.

This proposed minor is different from the minor in Landscape Architecture & all classes would be available on the Logan Campus & for students in RC along the Wasatch Front.

#### Consistency with Institutional Mission/Impact on Other USHE Institutions

Do not foresee the new minor affecting resources in a significant way. The faculty, staff and facilities are already in place and teaching the classes used in this proposed minor, nor will there be a change in existing administrative structures. The classes are all currently being taught for the BS in RLDC that is in Logan & in RC along the Wasatch Front.

**Finances**

Funding for the program is already in place and additional funds are not required. The new minor would increase students somewhat generating additional tuition income.

**Section III: Curriculum**

**Program Curriculum**

	Course Number	NEW Course	Course Title	Credit Hours
General Education Courses (list specific courses if recommended for this program on Degree Map)				
<b>General Education Credit Hour Sub-Total</b>				
Required Courses				
<b>+ -</b>	<b>Prerequisite</b>			
<b>+ -</b>	PSC	2600	Herbaceous Plant Materials	3
<b>+ -</b>	PSC	2620	Woody Plant Materials	3
<b>+ -</b>	<b>Required Courses</b>			
<b>+ -</b>	LAEP	1200	2 D Graphics Representation	4
<b>+ -</b>	PSC	3300	Residential Landscape Design	3
<b>+ -</b>	PSC	4301	Computer Aided Residential Landscape Design	2
<b>+ -</b>	PSC	4302	Advanced Computer Aided Residential Landscape Design	2
<b>+ -</b>	PSC	5090	Sustainable Low Water Use Landscapes	3
<b>+ -</b>			<b>Sub-Total</b>	<b>14</b>
Add A Group of Courses				
<b>Required Course Credit Hour Sub-Total</b>				
Elective Courses				
<b>+ -</b>			Choose one course	
<b>+ -</b>	PSC	3430	Landscape Construction Methods	2
<b>+ -</b>	PSC	3440	Landscape Business Practices	3
<b>+ -</b>				
<b>+ -</b>				
<b>+ -</b>				
<b>+ -</b>				
<b>+ -</b>				
<b>+ -</b>				
Add A Group of Courses				
<b>Elective Credit Hour Sub-Total</b>				<b>2-3</b>
<b>Core Curriculum Credit Hour Sub-Total</b>				<b>16-17</b>

Program Curriculum Narrative

**Degree Map**

*Degree maps pertain to undergraduate programs ONLY. Provide a degree map for proposed program. Degree Maps were approved by the State Board of Regents on July 17, 2014 as a degree completion measure. Degree maps or graduation plans are a suggested semester-by-semester class schedule that includes prefix, number, title, and semester hours. For more details see <http://higheredutah.org/pdf/agendas/201407/TAB%20A%202014-7-18.pdf> (Item #3).*

**Program Schedule for Logan students: must have pre requisite classes PSC 2600 & PSC 2620**

Fall or any semester prior to PSC 3300 LAEP 1200 (4) 2 D Graphics Representation	Spring PSC 3300 (3) Residential Landscape Design	
Fall PSC 4301 (2) Computer Aided Residential Landscape Design (elective: PSC 3430 (2) Landscape Construction Methods)	Spring PSC 4302 (2) Advanced Computer Aided Residential Landscape Design (elective: PSC 3440 (3) Landscape Business Practices	Summer PSC 5090 (3) Sustainable Low Water Use Landscapes

**Program Schedule for RC students: must have pre requisite classes PSC 2600 & PSC 2620**

Fall odd years or any semester prior to PSC 3300 LAEP 1200 (4) 2 D Graphics Representation	Spring even years PSC 3300 (3) Residential Landscape Design	
Fall even years PSC 4301 (2) Computer Aided Residential Landscape Design (elective: PSC 3430 (2) Landscape Construction Methods)	Spring odd years PSC 4302 (2) Advanced Computer Aided Residential Landscape Design (elective: PSC 3440 (3) Landscape Business Practices	Summer odd years PSC 5090 (3) Sustainable Low Water Use Landscapes

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Toggle Table

6 January 2017

**ITEM FOR ACTION**

Utah State University's Department of Kinesiology and Health Science in the Emma Eccles Jones College of Education and Human Services proposes offering a Minor in Yoga Studies in the manner described below.

**EXECUTIVE SUMMARY**

The Department of Kinesiology and Health Science in the Emma Eccles Jones College of Education and Human Services proposes offering a Minor in Yoga Studies.

**RECOMMENDATION**

The President and Provost recommend that the Board of Trustees approve the proposal to offer a Minor in Yoga Studies in the Emma Eccles Jones College of Education and Human Services.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Utah State University's Department of Kinesiology and Health Science in the Emma Eccles Jones College of Education and Human Services proposes offering a Minor in Yoga Studies, and

WHEREAS, The proposed minor is in an area of great demand and national relevance, and

WHEREAS, The proposal has been approved by the academic dean, the Educational Policies Committee, and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal to offer a Minor in Yoga Studies in the Emma Eccles Jones College of Education and Human Services' Department of Kinesiology and Health Science and that this proposal be forwarded to the Utah State Board of Regents of the Utah System of Higher Education.

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RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

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DATE:

Utah System of Higher Education  
Program Description - Abbreviated Template

Section I: The Request

Utah State University requests approval to offer the following Minor: Yoga Studies Minor effective Spring 2017. This program was approved by the institutional Board of Trustees on **6 January 2017**.

Section II: Program Proposal/Needs Assessment

**Program Description/Rationale**

*Present a brief program description. Describe the institutional procedures used to arrive at a decision to offer the program. Briefly indicate why such a program should be initiated. State how the institution and the USHE benefit by offering the proposed program. Provide evidence of student interest and demand that supports potential program enrollment.*

*Propose offering an academic minor in Yoga Studies. Yoga is one of the fastest growing activity programs in the United States. As of 2014 over 15 Million people participate in yoga, with in excess of \$15 Billion dollars spent on Yoga classes, equipment, outfits and institutes. As an example each semester there are over 500 students enrolled in Yoga activity courses in the for-credit Lifetime Activity program at Utah State University. A number of these students inquire of instructors how might they become a certified Yoga instructor. This minor will help fill the need for certified Yoga instructors throughout the state and region.*

**Labor Market Demand**

*Provide local, state, and/or national labor market data that speak to the need for this program. Occupational demand, wage, and number of annual openings information may be found at sources such as Utah DWS Occupation Information Data Viewer ([jobs.utah.gov/jsp/wi/utalmis/gotoOccinfo.do](http://jobs.utah.gov/jsp/wi/utalmis/gotoOccinfo.do)) and the Occupation Outlook Handbook ([www.bls.gov/oco](http://www.bls.gov/oco)).*

Utah Dept. of Workforce Services 2014-2024 Employment Projections for  
Fitness Trainers and Aerobics Instructors Occup. Code: 39-9031

Area Name	Current Employment	Projected Employment	Annual %Change	Total Annual Openings	Star Rating
Salt Lake Metro	1,684	2,040	2.1	70	3
St. George Metro	151	222	4.7	10	3
Ogden-Clear Metro	727	976	3.4	40	3
Cache	140	182	3	10	3
3,499	4,422	160	3		
United States	279,100	302,500	0.8	7,490	

Bureau of Labor Statistics: Quick Facts: Fitness Trainers and Instructors

2015 Median Pay \$36,160 per year

\$17.39 per hour

Typical Entry-Level Education High school diploma or equivalent

Work Experience in a Related Occupation None

On-the-job Training Short-term on-the-job training

Number of Jobs, 2014 279,100

Job Outlook, 2014-24 8% (As fast as average)

Employment Change, 2014-24 23,400

### **Consistency with Institutional Mission/Impact on Other USHE Institutions**

*Explain how the program is consistent with the institution's Regents-approved mission, roles, and goals. Institutional mission and roles may be found at [higheredutah.org/policies/policyr312/](http://higheredutah.org/policies/policyr312/). Indicate if the program will be delivered outside of designated service area; provide justification. Service areas are defined in [higheredutah.org/policies/policyr315/](http://higheredutah.org/policies/policyr315/).*

Yoga instructors complements the mission of Utah State University as it continues it's extended service of providing certified instructors not only throughout the public schools but also in communities, city, county and state agencies providing yoga as a recreational activity. These types of programs enhances health and well-being plus quality of life in these communities.

### **Finances**

*What costs or savings are anticipated in implementing the proposed program? If new funds are required, indicate expected sources of funds. Describe any budgetary impact on other programs or units within the institution.*

Each course will have a course fee of \$138.00/SCH with one exception (RELS 4010). This course fee will cover all costs associated with offering courses in this proposed minor. Course fees are the method of instructional costs for most of the courses in the Lifetime Activity Program within the KHS department. RELS 4010 will be offered by a HPER instructor covered by these course fee funds.

### Section III: Curriculum

#### Program Curriculum

List all courses, including new courses, to be offered in the proposed program by prefix, number, title, and credit hours (or credit equivalences). Indicate new courses with an X in the appropriate columns. The total number of credit hours should reflect the number of credits required to receive the award. **For NEW Emphases, skip to emphases tables below.**

*For variable credits, please enter the minimum value in the table below for credit hours. To explain variable credit in detail as well as any additional information, use the narrative box below.*

		Course Number	NEW Course	Course Title	Credit Hours
General Education Courses (list specific courses if recommended for this program on Degree Map)					
					<b>General Education Credit Hour Sub-Total</b>
Required Courses					
+	-	PE 3010		Yoga Technique I	3
+	-	PE 3011		Introduction to Yoga Teacher Training	3
+	-	PE 3020		Yoga Teacher Methodology I	1
+	-	PE 3021		Yoga Teaching Methodology II	3
+	-	PE 3070		Yoga Anatomy	2
+	-	PE/RELS 4010		Yoga Theory	2
+	-				
+	-				
+	-				
+	-				
+	-				
					<b>Required Course Credit Hour Sub-Total</b>
					14
Elective Courses					
+	-	Select two from:			
+	-	RELS 3020		Intro to Hinduism	3
+	-	RELS 3820		Hindu Sacred Texts	3
+	-	PEP 2020		Introduction to Physical Therapy	2
+	-	PEP 3000		Dynamic Fitness	3
+	-	PEP 3100		Athletic Injuries	3
+	-	PEP 3250		Anatomical Kinesiology	3
+	-				
+	-				
+	-				
					<b>Elective Credit Hour Sub-Total</b>
					17
<b>Core Curriculum Credit Hour Sub-Total</b>					31



## **Program Curriculum Narrative**

*Describe any variable credits. You may also include additional curriculum information, as needed.*

Students take 6 required courses for a total of 14 credits. They select one elective that may be either 2 or 3 credits for a total of 16-17 credits.

## **Degree Map**

*Degree maps pertain to undergraduate programs ONLY. Provide a degree map for proposed program. Degree Maps were approved by the State Board of Regents on July 17, 2014 as a degree completion measure. Degree maps or graduation plans are a suggested semester-by-semester class schedule that includes prefix, number, title, and semester hours. For more details see <http://higheredutah.org/pdf/agendas/201407/TAB%20A%202014-7-18.pdf> (Item #3).*

*Please cut-and-paste the degree map or manually enter the degree map in the table below*

Fall Semester	Spring Semester
PE 3010	PE 3020
PE 3011	PE 3021
PE 3070	Elective
PE/RELS 4010	Elective

6 January 2017

**ITEM FOR ACTION**

Utah State University's Department of Sociology, Social Work and Anthropology in the College of Humanities and Social Sciences proposes offering a Minor in Native American Studies in the manner described below.

**EXECUTIVE SUMMARY**

The Department of Sociology, Social Work and Anthropology in the College of Humanities and Social Sciences proposes offering a Minor in Native American Studies.

**RECOMMENDATION**

The President and Provost recommend that the Board of Trustees approve the proposal to offer a Minor in Native American Studies in the College of Humanities and Social Sciences.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Utah State University's Department of Sociology, Social Work and Anthropology in the College of Humanities and Social Sciences proposes offering a Minor in Native American Studies, and

WHEREAS, The proposed minor offers USU students a credential of regional significance and relevance, and

WHEREAS, The proposal has been approved by the academic dean, the Educational Policies Committee, and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal to offer a Minor in Native American Studies in the College of Humanities and Social Sciences' Department of Sociology, Social Work and Anthropology and that this proposal be forwarded to the Utah State Board of Regents of the Utah System of Higher Education.

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RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

\_\_\_\_\_  
DATE:

**Utah System of Higher Education  
Program Description - Abbreviated Template**

**Section I: The Request**

Utah State University requests approval to offer the following Minor: Native American Studies effective Fall 2017. This program was approved by the institutional Board of Trustees on January 6, 2017.

**Section II: Program Proposal/Needs Assessment**

**Program Description/Rationale**

*Present a brief program description. Describe the institutional procedures used to arrive at a decision to offer the program. Briefly indicate why such a program should be initiated. State how the institution and the USHE benefit by offering the proposed program. Provide evidence of student interest and demand that supports potential program enrollment.*

The department of Sociology, Social Work and Anthropology (SSWA) in collaboration with the department of History in the College of Humanities and Social Sciences (CHaSS), proposes to create a minor in Native American Studies to be offered on the Utah State University Campus in Logan and its Regional campuses and centers throughout the state, including the USU Eastern campuses in Price and Blanding. The minor will require five courses which will enable students to explore historical and contemporary artistic and cultural production by Natives and develop an in-depth understanding of current and historical Native American issues.

Utah and other intermountain states have significant numbers of Native American residents, yet relatively little is known about those populations outside of rural reservation border communities. Furthermore, what is known is largely based on lack of information or simple historical stereotypes. University courses focused on Native American Studies provide much needed knowledge and awareness of historical and current Native American experiences and issues. These topics include but are not limited to social justice issues of crime, addiction, and poverty rates related to 19th and 20th Century assimilation policies; environmental justice issues of water security and environmental contamination due to decades of unregulated resource extraction; and resistance and resilience movements among tribal communities to revive, maintain, and preserve traditional language and cultural identity. While a Native American Studies minor is available to students at two other USHE institutions (see below), USU's minor will be accessible to students throughout state.

**Labor Market Demand**

*Provide local, state, and/or national labor market data that speak to the need for this program. Occupational demand, wage, and number of annual openings information may be found at sources such as Utah DWS Occupation Information Data Viewer ([jobs.utah.gov/jsp/wi/utalmis/gotoOccinfo.do](http://jobs.utah.gov/jsp/wi/utalmis/gotoOccinfo.do)) and the Occupation Outlook Handbook ([www.bls.gov/oco](http://www.bls.gov/oco)).*

There is a demand across virtually all employment sectors for employees with cross-cultural competencies. This need will increase as the state grows more diverse and economically and socially interconnected inside and beyond its borders. Graduates who demonstrate cultural awareness and sensitivity are well-positioned to succeed. This is particularly true for students pursuing careers in high-growth/high demand professions such as health care, social services, education, business, and resource management. The proposed minor offers students a pathway for developing these capacities.

**Consistency with Institutional Mission/Impact on Other USHE Institutions**

*Explain how the program is consistent with the institution's Regents-approved mission, roles, and goals. Institutional mission and roles may be found at [higheredutah.org/policies/policyr312/](http://higheredutah.org/policies/policyr312/). Indicate if the program will be delivered outside of designated service area; provide justification. Service areas are defined in [higheredutah.org/policies/policyr315/](http://higheredutah.org/policies/policyr315/).*

There are several Native American Studies minors offered at USHE institutions (see list below), all of which rely on

face-to-face instruction methods. Reflecting Utah State University's land grant mission that focuses on distance and rural education, the proposed minor will be available to students throughout the state, providing much needed access to a Native American Studies curriculum that brings together the unique and diverse expertise of faculty across the USU system. Students in many undergraduate majors, including Anthropology, History, Religious Studies, Social Work, Family Life, Psychology, Journalism, and Political Science, among others, will benefit from the Native American Studies courses and minor. These benefits are not solely academic; developing cultural diversity knowledge and sensitivity is also critical to successful employment after graduation. Likewise, Native American students in Blanding and the Uintah Basin, in particular, will find the minor a useful and affirming accompaniment to existing offerings.

The proposed minor will offer the only focused program in the field of Native American Studies across the entire USU system. Building largely on existing resources, including current instructional capacity and distance learning technology, the program will enable students across the state to tap largely existing courses as a coherent menu focused on Native American Studies.

Listing of the existing Native American Studies programs and minors offered at USHE institutions.

**University of Utah**

18 credit Native American Studies Minor

**Utah Valley University**

18 credit Native American Studies Minor

**Dixie State College of Utah**

No Native American Studies Minor or Courses

**Southern Utah University**

No Native American Studies Minor

**Snow College**

No Native American Studies Minor or Courses

**Salt Lake Community College**

No Native American Studies Minor

ENGL 2810 - Native American Literature and Experience

**Weber State University**

18 Credit Ethnic Studies Program with Native American Studies Emphasis (Option II)

**Finances**

*What costs or savings are anticipated in implementing the proposed program? If new funds are required, indicate expected sources of funds. Describe any budgetary impact on other programs or units within the institution.*

There is no anticipated financial impact of this new minor. No new resources are needed to implement this minor. Instructional support for the Native American Studies Minor will be provided through existing instructional offerings and the development of one new course to be offered in face-to-face, broadcast, and online venues. The technology, infrastructure, and structure to deliver the program are in place. The new course will be developed as part of instructional capacity / load of current faculty.

### Section III: Curriculum

#### Program Curriculum

List all courses, including new courses, to be offered in the proposed program by prefix, number, title, and credit hours (or credit equivalences). Indicate new courses with an X in the appropriate columns. The total number of credit hours should reflect the number of credits required to receive the award. **For NEW Emphases, skip to emphases tables below.**

For variable credits, please enter the minimum value in the table below for credit hours. To explain variable credit in detail as well as any additional information, use the narrative box below.

	Course Number	NEW Course	Course Title	Credit Hours
<b>General Education Courses (list specific courses if recommended for this program on Degree Map)</b>				
<b>General Education Credit Hour Sub-Total</b>				0
<b>Required Courses</b>				
+ -	NAS 1010	X	Introduction to Native American Studies	3
Choose 1 of the following courses:				
+ -	ARTH 3270		Native North American Art	3
+ -	ARTH 3320		Pre-Columbian Art	3
+ -	ANTH 3110		North American Indian Cultures	3
+ -	ANTH 4110		Southwest Indigenous Cultures, Past and Present	3
+ -	ENGL 3620		Native American Studies	3
+ -	HIST 4710		American Indian History	3
<b>Required Course Credit Hour Sub-Total</b>				6
<b>Elective Courses</b>				
+ -				
Choose 3 of the following courses:				
+ -	ANTH 3300		Archaeology in North America	3
+ -	ANTH 5340/6340		Archeology of the Desert West	3
+ -	ANTH 5300/6300		Archeology Field School	3
+ -	ENGL 3520		Multicultural American Literature	3
+ -	ENGL 4610		Western American Literature	3
+ -	HIST 4711		Northern Ute History	3
+ -	HIST 4940		Historical Internship	3
+ -	PSYCH 4240		Multicultural Psychology	3
+ -	SOWK 2400		Social Work with Diverse Populations	3
+ -	SOWK 3350		Child Welfare	3
+ -				
+ -				
<b>Elective Credit Hour Sub-Total</b>				9
<b>Core Curriculum Credit Hour Sub-Total</b>				15

**Program Curriculum Narrative**

*Describe any variable credits. You may also include additional curriculum information, as needed.*

The proposed requirements for a minor in Native American Studies include five courses totaling 15 credit hours, including one required core course (3 credits) all students pursuing the minor will take, at least one course (3 credits) selected from a list of core "depth" courses, and no more than three electives selected from a list of "breadth" courses (9 credits).

The first required course is NAS 1010: Introduction to Native American Studies. It is designed to give students a broad understanding of Native American issues in the United States. The second required course will be selected from a menu of courses with substantial and broad focus on Native American themes. The elective courses provide students with the opportunity to obtain more specialized knowledge and skills relevant to their educational and vocational plans.



**Degree Map**

Degree maps pertain to undergraduate programs ONLY. Provide a degree map for proposed program. Degree Maps were approved by the State Board of Regents on July 17, 2014 as a degree completion measure. Degree maps or graduation plans are a suggested semester-by-semester class schedule that includes prefix, number, title, and semester hours. For more details see <http://higheredutah.org/pdf/agendas/201407/TAB%20A%202014-7-18.pdf> (Item #3).

Please cut-and-paste the degree map or manually enter the degree map in the table below

First Year Fall	Cr. Hr.	First Year Spring	Cr. Hr.
NAS 1010	3	Required core course	3
<b>Total</b>	<b>3</b>	<b>Total</b>	<b>3</b>
Second Year Fall	Cr. Hr.	Second Year Spring	Cr. Hr.
Elective	3	Elective	3
Elective	3		
<b>Total</b>	<b>6</b>	<b>Total</b>	<b>3</b>

Four Year Map

6 January 2017

### **ITEM FOR ACTION**

Utah State University's Department of Watershed Sciences in the S.J. & Jessie E. Quinney College of Natural Resources proposes offering five areas of emphasis in the Bachelor of Science in Management and Restoration of Aquatic Ecosystems in the manner described below.

### **EXECUTIVE SUMMARY**

The Department of Watershed Sciences in the S.J. & Jessie E. Quinney College of Natural Resources proposes offering five areas of emphasis in the Bachelor of Science in Management and Restoration of Aquatic Ecosystems.

### **RECOMMENDATION**

The President and Provost recommend that the Board of Trustees approve the proposal to offer five areas of emphasis in the Bachelor of Science in Management and Restoration of Aquatic Ecosystems in the S.J. & Jessie E. Quinney College of Natural Resources.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Utah State University's Department of Watershed Sciences in the S.J. & Jessie E. Quinney College of Natural Resources proposes offering five areas of emphasis in the Bachelor of Science in Management and Restoration of Aquatic Ecosystems, and

WHEREAS, The proposed undergraduate emphasis areas will offer aquatic ecosystem students more choices for developing specific areas of expertise, and

WHEREAS, The proposal has been approved by the academic dean, the Educational Policies Committee, and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal to offer five areas of emphasis in the Bachelor of Science in Management and Restoration of Aquatic Ecosystems in the S.J. & Jessie E. Quinney College of Natural Resources' Department of Watershed Sciences and that this proposal be forwarded to the Utah State Board of Regents of the Utah System of Higher Education.

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RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

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DATE:

Utah System of Higher Education  
Program Description - Abbreviated Template

Section I: The Request

Utah State University requests approval to offer the following Degree: BS: Management and Restoration of Aquatic Ecosystems with emphases effective Fall 2017. This program was approved by the institutional Board of Trustees on January 6, 2017.

Section II: Program Proposal/Needs Assessment

**Program Description/Rationale**

*Present a brief program description. Describe the institutional procedures used to arrive at a decision to offer the program. Briefly indicate why such a program should be initiated. State how the institution and the USHE benefit by offering the proposed program. Provide evidence of student interest and demand that supports potential program enrollment.*

Propose adding five areas of emphasis for the WATS major in *Management and Restoration of Aquatic Ecosystems*. The major currently requires a minimum of 21 elective credits. At present, the electives are without specific organization and are selected by the student and advisor. The major accommodates students with a range of interests, from biological conservation, to water quality protection, to hydrology, to the human dimensions of aquatic ecosystem management. It is believed that a focused achievement of expertise, noted on the student's transcript, can aid students in finding employment. The proposed areas of emphasis are (i) aquatic habitats, (ii) water quality, (iii) hydrology and water resources, (iv) geomorphology, and (v) human dimensions. These areas of emphasis do not expand or shift the direction of the major. Rather, they serve to encourage and document achievement in a way that will help to attract, focus, and employ majors.

The areas of emphasis were developed by the WATS Undergraduate Curriculum Committee and the department head and were discussed in a meeting of the full department faculty.

The proposed areas of emphasis are part of an effort to update and direct the major in a direction that matches the faculty competence in management and restoration with student interest in environmental improvement and employment opportunities in the field. A class will be added on the principles of aquatic ecosystem restoration and a required capstone professional class in order to provide background and experience as preparation for the job market.

**Labor Market Demand**

*Provide local, state, and/or national labor market data that speak to the need for this program. Occupational demand, wage, and number of annual openings information may be found at sources such as Utah DWS Occupation Information Data Viewer ([jobs.utah.gov/jsp/wi/utalmis/gotoOccinfo.do](http://jobs.utah.gov/jsp/wi/utalmis/gotoOccinfo.do)) and the Occupation Outlook Handbook ([www.bls.gov/oco](http://www.bls.gov/oco)).*

Placement of recent BS graduates is close to 100%. The faculty are frequently contacted regarding openings in private consultancies, state, local, and federal agencies, and NGOs. This local experience is supported by information from the US BLS Occupational Outlook Handbook for the four occupations requiring a BS that are closest to the major: Hydrologist, Geoscientist, Environmental Scientist and Specialist, Conservation Scientist and Forester. For these four occupations, the 2014-24: job outlook is 7% - 11% (Average to Faster than Average) and 2015 Median Pay is well above average, \$60,000 - \$90,000. The only comparable occupation in the Utah Occupation Information listings is Environmental Scientist and Specialist, which "should have good job opportunities. Compared to all occupations, wages for this occupation are very high." The Utah listing notes that "job prospects are highest for conservation scientists and foresters who have a strong understanding of geographic information systems (GIS)." GIS and spatial data analysis is a feature of the major, with 6 required credits and a minor available in GIS.

### **Consistency with Institutional Mission/Impact on Other USHE Institutions**

*Explain how the program is consistent with the institution's Regents-approved mission, roles, and goals. Institutional mission and roles may be found at [higheredutah.org/policies/policyr312/](http://higheredutah.org/policies/policyr312/). Indicate if the program will be delivered outside of designated service area; provide justification. Service areas are defined in [higheredutah.org/policies/policyr315/](http://higheredutah.org/policies/policyr315/).*

Focused Areas of Emphasis are part of the broader goal of educating students who will find useful and meaningful employment, while also providing rigorous training suitable for the best graduate schools. The areas of emphasis are also consistent with the deep faculty expertise in aquatic habitat restoration, water quality, hydrology, and geomorphology and the management context of all of these topics. Growth of the major will increase the number and quality of graduates with strong STEM credentials who are prepared to work in agency and private industry environmental positions.

### **Finances**

*What costs or savings are anticipated in implementing the proposed program? If new funds are required, indicate expected sources of funds. Describe any budgetary impact on other programs or units within the institution.*

No new funds to incorporate the five Areas of Emphasis in the major. The major is currently staffed but undersubscribed. It is anticipated that there will be growth in existing classes and in the number of majors. The only long-term financial change is a growth in student credit hours for WATS classes.

### Section III: Curriculum

#### Program Curriculum

List all courses, including new courses, to be offered in the proposed program by prefix, number, title, and credit hours (or credit equivalences). Indicate new courses with an X in the appropriate columns. The total number of credit hours should reflect the number of credits required to receive the award. **For NEW Emphases, skip to emphases tables below.**

*For variable credits, please enter the minimum value in the table below for credit hours. To explain variable credit in detail as well as any additional information, use the narrative box below.*

Can students complete this degree without emphases?    Yes or <input checked="" type="checkbox"/> No				
	Course Number	NEW Course	Course Title	Credit Hours
General Education Courses (list specific courses if recommended for this program on Degree Map)				
<b>General Education Credit Hour Sub-Total</b>				
Required Courses				
+	-			
+	-			
<b>Required Course Credit Hour Sub-Total</b>				
Elective Courses				
+	-			
<b>Elective Credit Hour Sub-Total</b>				
<b>Core Curriculum Credit Hour Sub-Total</b>				0

	Course Number	NEW Course	Course Title	Credit Hours
Name of Emphasis: Aquatic Habitats				
+	-		WATS 4650 Principles in Fishery Management	3
+	-	X	WATS 5310 Ecology and Restoration of Wetland and Riparian Plants	3
+	-		WATS 5550 Freshwater Invertebrates	3
+	-		ENVS 4110 Human Dimensions Wildlife Management	3
+	-		PSC 3000 Fundamentals of Soil Science	4
+	-		WATS 5200 Fish Habitats	2
+	-		WILD 4600 Conservation Biology	3
<b>Emphasis Credit Hour Sub-Total</b>				21
<b>Total Number of Credits to Complete Program</b>				21
Remove this emphasis				

	Course Number	NEW Course	Course Title	Credit Hours
	Name of Emphasis:		Water Quality	
+ -	CHEM 1220		Principles of Chemistry II	4
+ -	CHEM 1225		Chemical Principles Laboratory II	1
+ -	CEE 5610		Environmental Quality Analysis	3
+ -	WATS 5550		Freshwater Invertebrates	3
+ -	GEO 5510		Groundwater Geology	3
+ -	PSC 3000		Fundamentals of Soil Science	4
+ -	WATS 5310	×	Ecology and Restoration of Wetland and Riparian Plants	3
<b>Emphasis Credit Hour Sub-Total</b>				21
<b>Total Number of Credits to Complete Program</b>				21
Remove this emphasis				

	Course Number	NEW Course	Course Title	Credit Hours
	Name of Emphasis:		Hydrology and Water Resources	
+ -	MATH 1220		Calculus II	4
+ -	MATH 2250		Linear Algebra and Differential Equations	4
+ -	CEE 3500		Fluid Mechanics	3
+ -	CEE 4200		Engineering Economics	2
+ -	CEE 5460		Water Resources Engineering	3
+ -	WATS 3600		Geomorphology	3
+ -	WATS 5330		Large River Management	3
<b>Emphasis Credit Hour Sub-Total</b>				22
<b>Total Number of Credits to Complete Program</b>				22
Remove this emphasis				

	Course Number	NEW Course	Course Title	Credit Hours
	Name of Emphasis:		Geomorphology	
+ -	GEO 3200		The Earth Through Time	4
+ -	WATS 3600		Geomorphology	3
+ -	GEO 3550		Sedimentation and Stratigraphy	4
+ -	GEO 3700		Structural Geology	4
+ -	WATS 5310	×	Ecology and Restoration of Wetland and Riparian Plants	3
+ -	WATS 5330		Large River Management	3

	Course Number	NEW Course	Course Title	Credit Hours
Emphasis Credit Hour Sub-Total				21
Total Number of Credits to Complete Program				21
Remove this emphasis				

	Course Number	NEW Course	Course Title	Credit Hours
Name of Emphasis:			Human Dimensions	
+ -	ENVS 4020		Environmental History & Ethics	3
+ -	SOC 4620		Sociology of the Environment and Natural Resources	3
+ -	WATS 5330		Large River Management	3
+ -	ENVS 3500		Quantitative Assessment of Environmental and NR Problems	3
+ -	CEE 3610		Environmental Management	3
+ -	SOC 4640		Managing Community Conflict	3
+ -	GEOG 4400		Natural Hazards and Society	3
Emphasis Credit Hour Sub-Total				21
Total Number of Credits to Complete Program				21
Remove this emphasis				

Propose a NEW Emphasis to an existing Regent approved program

### Program Curriculum Narrative

*Describe any variable credits. You may also include additional curriculum information, as needed.*

The courses listed in the above tables are an **example** program of electives that would fulfill each Area of Emphasis. For context and completeness, **attached separately** are the Degree Requirements, which includes a more complete list of available electives in each area of emphasis.

The five Areas of Emphasis are defined in the Degree Requirements as follows:

*Students majoring in Management and Restoration of Aquatic Ecosystems are required to select an emphasis of at least 21 credits. Students must develop an approved plan with their advisor no later than the first semester of their junior year and file an approved emphasis plan prior to applying for graduation.*

Contacted all departments offering courses that have been identified as electives within the five areas of emphasis. No serious issues were raised in the responses received. One ongoing issue concerns prerequisites for CEE 3500 *Fluid Mechanics*, which is a core course for hydrology and a prerequisite for other courses in hydrology. CEE 3500 is at the heart of a structured curriculum for CEE majors and carries a long list of prerequisites. WATS majors may currently take CEE 3500 if they have taken the full suite of listed prerequisites. WATS and CEE faculty and Dept. Heads are engaged in a discussion of the necessary preparation for this class and whether the full list of prerequisites is needed. Currently conducting a 'trial' with one student who appears well-qualified for the course but has not taken all prerequisites.



**NOTE: Degree Map**

The addition of areas of emphasis does not change the current degree map. Rather, it organizes and offers the opportunity to focus the 21 required credit hours of electives.

**NOTE: Current Program BOR Approval Date**

Approval of the name change of the major (*from* Watershed and Earth Systems *to* Management and Restoration of Aquatic Ecosystems) was made at the July 2016 meeting of the Board of Regents. The program (major) itself has been in existence since the reorganization of QCNR in 2002, if not earlier.

**Degree Map**

*Degree maps pertain to undergraduate programs ONLY. Provide a degree map for proposed program. Degree Maps were approved by the State Board of Regents on July 17, 2014 as a degree completion measure. Degree maps or graduation plans are a suggested semester-by-semester class schedule that includes prefix, number, title, and semester hours. For more details see <http://higheredutah.org/pdf/agendas/201407/TAB%20A%202014-7-18.pdf> (Item #3).*

*Please cut-and-paste the degree map or manually enter the degree map in the table below*

6 January 2017

**ITEM FOR ACTION**

Utah State University's Department of Wildland Resources in the S.J. & Jessie E. Quinney College of Natural Resources proposes offering a Forest Ecology specialization for the Master of Science and PhD in Ecology in the manner described below.

**EXECUTIVE SUMMARY**

The Department of Wildland Resources in the S.J. & Jessie E. Quinney College of Natural Resources proposes offering a Forest Ecology specialization for the Master of Science and PhD in Ecology.

**RECOMMENDATION**

The President and Provost recommend that the Board of Trustees approve the proposal to offer a Forest Ecology specialization for the Master of Science and PhD in Ecology in the S.J. & Jessie E. Quinney College of Natural Resources.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Utah State University's Department of Wildland Resources in the S.J. & Jessie E. Quinney College of Natural Resources proposes offering a Forest Ecology specialization for the Master of Science and PhD in Ecology, and

WHEREAS, The proposed graduate specialization will offer another appropriate emphasis area in the Ecology graduate degrees, and

WHEREAS, The proposal has been approved by the academic dean, the Educational Policies Committee, and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal to offer a Forest Ecology specialization for the Master of Science and PhD in Ecology in the S.J. & Jessie E. Quinney College of Natural Resources' Department of Wildland Resources and that this proposal be forwarded to the Utah State Board of Regents of the Utah System of Higher Education.

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RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

\_\_\_\_\_  
DATE:

**Program Request - Abbreviated Template**  
**Utah State University**  
**Specialization in Forest Ecology, MS or PhD in Ecology**

**Section I: Request**

Utah State University offers MS and PhD degrees in Ecology through multiple departments and colleges at Utah State University. Two specializations exist for this degree: the Aquatic Ecology specialization (offered through the Watershed Sciences Department) and the Wildlife Ecology specialization (offered through the Wildland Resources Department). The Wildland Resources Department (WILD) proposes to add a Forest Ecology specialization at the MS and PhD levels. This would be a specialization conferred only by the Wildland Resources Department, which is the home to the majority of courses involved in the proposal, and is also home to the majority of USU faculty with expertise in Forestry.

In the past, departments offered a variety of different types of ecology-related graduate degrees, but several years ago most of these (including Forest Ecology) were collapsed into a single degree in Ecology (MS or PhD) with a set of core requirements. Some of these original degrees were retained as specializations, including Aquatic Ecology and Wildlife Ecology. Forest Ecology was not retained as a specialization at that time by WILD.

**Section II: Need**

The forestry profession is increasingly incorporating ecological principles, with sustainability, wildlife and fisheries habitat conservation, water quality issues, and carbon sequestration become management priorities. Similarly, forestry-related employers increasingly value ecological experience and expertise in students, and students are increasingly interested in ecological perspectives. For example, beginning in 2012, the USDA Forest Service is required to include substantive assessment of "ecological integrity" of forest ecosystems in their management plans. The Utah State University Wildland Resources Department offers a degree in Forestry, but this degree is not explicitly focused on forest ecology. Students with specific interest in forest ecology careers must choose between having a degree called "Forestry" but enjoying none of the benefits of Ecology Center affiliation, or having a degree called "Ecology" and relying on future employers to notice forestry-related coursework on their transcripts. A Forest Ecology specialization transcript designation would make it simpler for both students and future employers to understand the degree focus and content. Through informal discussions among faculty and graduate students in WILD, both of these advantages have become apparent. As an example, of the 26 graduate students completing Ecology degrees in WILD since 2012, 5 would likely have opted for the Forest Ecology specialization had it existed, according to their advisors. There are at least 4 graduate students currently enrolled in WILD Forestry and Ecology degree programs who would also prefer a Forest Ecology specialization designation.

**Section III: Institutional Impact**

No significant institutional impact is anticipated. Two of the courses required for this specialization (WILD 6350 and WILD 6730) are already options in the Ecology degree course menus so students choosing a specialization would simply choose those courses. The proposed specialization will also require one additional course for MS students (2 for PhD students) to come from a menu of 5 WILD courses which are

already being offered. The enrollment in all of these courses is currently quite small, and additional students can easily be accommodated without adding sections, instructors, or teaching assistants. Graduate students in forest ecology research are typically in WILD and typically take these courses anyway, so the specialization is a way to formalize and recognize this emphasis.

#### Section IV: Finances

No budgetary impacts are anticipated.

#### Section V: Program Curriculum

The Forest Ecology specialization within the Ecology degree would meet existing requirements within WILD as well as the existing requirements for the Ecology graduate degree (MS or PhD). The proposed Forest Ecology specialization would require the following elements:

- 1) Both MS and PhD students are required to take:  
WILD 6350 Wildland Soils (Spring, 3 cr.; satisfies existing Biophysical Ecology block requirement in Ecology degree)
- 2) Both MS and PhD students are required to take:  
WILD 6730 Forest Community Ecology (Spring, offered in odd numbered years, 3 cr.; satisfies existing Organismic, Population & Evolutionary Ecology block requirement in Ecology degree)
- 3) For PhD students: one course from any of the other remaining Ecology blocks (an existing requirement for the Ecology degree)
- 4) One of the following courses for MS students, two for PhD students:  
WILD 5710 Forest Vegetation Disturbance Ecology and Management (Fall, 3 cr.)  
WILD 6570 Forest Ecology of the Sierra Nevada and White Mountains (Summer, 3 cr.)  
WILD 5700 Forest Assessment and Management (Spring, 3 cr.)  
WILD 7200 Plant Physiological Ecology (Fall, 3 cr.)  
WILD 7400 Plant Population Ecology (Fall, 3 cr.)
- 5) WILD 6800/7800 Wildland Resources Department seminar (Fall & Spring, 1 cr., an existing requirement for all WILD graduate students)
- 6) WILD 6780 Ecology seminar (Fall, Spring, 1 cr., an existing requirement for the Ecology degree)  
MS students must register for this seminar once in each of the two years of their programs; PhD students must register for this seminar once in each of three years of their programs.
- 7) The remaining credit hours for the MS or PhD degree would be determined by the student and his/her committee and following the remaining requirements of the Ecology degree.

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The existing Ecology degree core requirements (MS and PhD) are described below. Courses designated in the proposed Forest Ecology specialization which are also in the Ecology degree course menus (blocks) are in bold font. The Ecology graduate degree requirements are few and flexible. Students must meet these requirements, as well as any additional ones specified by their home departments. Specific courses are chosen in consultation with the student's Graduate Advisory Committee. There are no additional requirements in WILD Ecology degrees.

- 1) The degree is research-based and requires a thesis or dissertation.
- 2) Regular participation in the Ecology Center Seminar Series and associated events is expected.  
MS students must register for the Ecology Seminar in each of two years during their program of study.  
PhD students must register for Ecology Seminar in each of three years during their program of study.
- 3) The degree requires some demonstrated breadth of knowledge in Ecology, most often satisfied with courses from the topical Blocks listed below.

MS students must take three credits each from two of the Blocks.

PhD students must take three credits each from three of the Blocks.

Students may substitute other courses from the same topical area by request of the graduate supervisory committee to the Ecology Center Director.

#### Block #1: Biophysical Ecology

CEE 6740 Environmental Quality Modeling/Surface Water Quality Modeling

GEO/ PSC/WATS 6680 Paleoclimatology

GEO/WATS 6150 Fluvial Geomorphology

PSC 6130 Soil Genesis, Morphology, and Classification

PSC 6500 Environmental Physics of Land Ecosystems and Climate

PSC 6820 Environmental Biophysics

WATS 6900 Fluvial Hydraulics & Ecohydraulics

WILD/PSC 5350/6350 Wildland Soils

#### Block #2: Organismic, Population, and Evolutionary Ecology

BIOL 6240 Physiological Ecology of Vertebrates

BIOL 6260 Behavioral Ecology

BIOL 6380 Evolutionary Genetics

BIOL 6600 Comparative Animal Physiology

WATS 6230/7230 Fish Ecology

WILD 6401 Population State Variables

WILD 6402 Demographic Vital Rates

WILD 6403 Dynamics of Structured Populations

WILD 6720/7720 Advanced Conservation Biology

WILD 6730 Forest Community Ecology

WILD 7200 Plant Physiological Ecology

WILD 7400 Plant Population Ecology

#### Block #3: Community, Ecosystem, and Landscape Ecology

BIOL 6010 Biogeography

BIOL/PSC/WILD 6200 Biogeochemistry of Terrestrial Ecosystems

BIOL 6590 Animal Community Ecology

WATS 6310 Wetland Ecology and Management  
WATS/WILD 6700 Restoration Ecology  
WATS 6820/7820 Stream Ecology  
WILD 6710/7710 Landscape Ecology  
WILD 6770 Plant Community Ecology  
WILD 6900 Invasion Ecology  
WILD 7000 Wildland Ecosystem Management

Block #4: Quantitative Ecology

BIOL/MATH 6820 Applied Math in Biology (Powell)  
BIOL 6750 Introduction to Programming and Database Management for Biologists  
BIOL 6750 Advanced Programming and Database Management for Biologists  
STAT 5120 Categorical Data Analysis  
STAT 5570/6570 Statistical Bioinformatics  
STAT 5600 Applied Multivariate Statistics  
STAT 6200 Analysis of Unbalanced Data and Complex Experimental Designs  
WATS 6900 Hydrologic Modeling for Watershed Sciences  
WATS 6920 Geographic Information Systems  
WILD 6510 Topics in Spatial Ecology

Block #5: Human Ecology

ASTE 5260/6260 Environmental Aspects of Agricultural Systems  
ENVS 6150 Conservation Policy for Private Lands  
ENVS 6320 Water Law and Policy in the United States  
ENVS 6900 Introduction to Environmental Law and Policy  
ENVS 6400 Ecological Aspects of Wildland Recreation  
ENVS 6580 Sustainable Nature-Based Tourism  
ENVS 6200 Bioregional Analysis and Planning  
LAEP 6110 Landscape Planning for Wildlife  
LAEP 6270 Site Analysis: Social, Behavioral, and Biophysical Dimensions  
ENVS 6900 Translational Ecology  
APEC 5560 Natural Resource and Environmental Economics  
ENVS 5550/6550 Sustainability: Concepts and Measurement  
ANTH 5340/6340 Archaeology of the Desert West  
ENVS 6300/7300 Social and Environmental Psychology of Natural Resources  
HIST 6460 Environmental History (Conte)  
SOC 5640/6640 Conflict Management in Natural Resources  
SOC 6620 Environment, Technology, and Social Change  
SOC 6630 Natural Resources and Social Development



**ITEM FOR ACTION**

Utah State University's Departments of Applied Economics, Biology, Civil and Environmental Engineering, Environment and Society, Mathematics and Statistics, Plants, Soils and Climate, Sociology, Social Work and Anthropology, Wildland Resources and Watershed Sciences in the Colleges of Agriculture and Applied Sciences, Science, Engineering, Science, Humanities and Social Sciences and S.J. & Jessie E. Quinney College of Natural Resources proposes creating a Climate Adaptation Science Specialization in the manner described below.

**EXECUTIVE SUMMARY**

The Departments Applied Economics, Biology, Civil and Environmental Engineering, Environment and Society, Mathematics and Statistics, Plants, Soils and Climate, Sociology, Social Work and Anthropology, Wildland Resources and Watershed Sciences in the Colleges of Agriculture and Applied Sciences, Science, Engineering, Science, Humanities and Social Sciences and S.J. & Jessie E. Quinney College of Natural Resources proposes creating a Climate Adaptation Science Specialization.

**RECOMMENDATION**

The President and Provost recommend that the Board of Trustees approve the proposal to create a Climate Adaptation Science Specialization in the Colleges of Agriculture and Applied Sciences, Science, Engineering, Science, Humanities and Social Sciences and S.J. & Jessie E. Quinney College of Natural Resources.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Utah State University's Departments of Applied Economics, Biology, Civil and Environmental Engineering, Environment and Society, Mathematics and Statistics, Plants, Soils and Climate, Sociology, Social Work and Anthropology, Wildland Resources and Watershed Sciences in the Colleges of Agriculture and Applied Sciences, Science, Engineering, Science, Humanities and Social Sciences and S.J. & Jessie E. Quinney College of Natural Resources proposes creating a Climate Adaptation Science Specialization, and

WHEREAS, The proposed specialization will provide graduate students with credentialed training in the area supported by a National Science Foundation program, and

WHEREAS, The proposal has been approved by the academic dean, the Educational Policies Committee, and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal to create a Climate Adaptation Science Specialization in Colleges of Agriculture and Applied Sciences, Science, Engineering, Science, Humanities and Social Sciences and S.J. & Jessie E. Quinney College of Natural Resources' Departments of Applied Economics, Biology, Civil and Environmental Engineering, Environment and Society, Mathematics and Statistics, Plants, Soils and Climate, Sociology, Social Work and Anthropology, Wildland Resources and Watershed Sciences and that this proposal be forwarded to the Utah State Board of Regents of the Utah System of Higher Education.

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RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

DATE: \_\_\_\_\_

Utah System of Higher Education  
Program Description - Abbreviated Template

Section I: The Request

Utah State University requests approval to offer the following Degree: Climate Adaptation Science (CAS) emphases effective Spring 2017. This program was approved by the institutional Board of Trustees on January 6, 2017.

Section II: Program Proposal/Needs Assessment

**Program Description/Rationale**

*Present a brief program description. Describe the institutional procedures used to arrive at a decision to offer the program. Briefly indicate why such a program should be initiated. State how the institution and the USHE benefit by offering the proposed program. Provide evidence of student interest and demand that supports potential program enrollment.*

Utah State University has received a \$2.7 million National Science Foundation (NSF) Research Traineeship award that will afford USU students the opportunity to pursue advanced interdisciplinary research training and a Climate Adaptation Science specialization. The NSF Research Traineeship Program is designed to encourage the development and implementation of bold, new potentially transformative models for STEM graduate education training. The Traineeship Track is dedicated to effective training of STEM graduate students in high priority interdisciplinary research areas, through the comprehensive traineeship model that is innovative, evidence-based, and aligned with changing workforce and research needs.

This proposal is to create the Climate Adaptation Science (CAS) specialization within eleven MS and nine PhD degrees, offered in nine departments and five colleges. The training program emphasizes interdisciplinary research and integrates training in informatics, modeling, communication, leadership, project management, risk assessment, decision-making under uncertainty, and interdisciplinary teamwork. Project research will advance understanding of changing hydroclimate (drought and flood), fire regimes (frequency, area burned, and severity), land cover (range shifts and invasions), social and economic effects, and potential adaptations. The project closely integrates research, instruction, and real-world experience and will foster collaborations among scientists, federal, state, and local land managers, policy-makers, trainees, and citizen stakeholders. The specialization requires nine credit hours, and will substitute for the current minors, specialization, or elective requirement that already exist in each of the participating degree programs. The participating degree programs are: MS in Applied Economics, Biology, Civil and Environmental Engineering, Climate Science, Ecology, Economics and Statistics, Environment and Society, Geography, Industrial Mathematics and Statistics, Sociology, and Watershed Sciences; PhD in Biology, Civil and Environmental Engineering, Climate Science, Ecology, Economics, Environment and Society, Mathematical Sciences, Sociology, and Watershed Sciences.

**Labor Market Demand**

*Provide local, state, and/or national labor market data that speak to the need for this program. Occupational demand, wage, and number of annual openings information may be found at sources such as Utah DWS Occupation Information Data Viewer ([jobs.utah.gov/jsp/wi/utalmis/gotoOccinfo.do](http://jobs.utah.gov/jsp/wi/utalmis/gotoOccinfo.do)) and the Occupation Outlook Handbook ([www.bls.gov/oco](http://www.bls.gov/oco)).*

The CAS specialization will complement existing graduate programs that are currently offered at Utah State University. The specialization will provide students with excellent career preparation for STEM professions by providing students with the

means to draw on the power of data-enabled science and emphasizing interactive skills such as effective writing and speaking, cross-disciplinary thinking, and collaborative work. The National Science Foundation has funded this program because of the demand for STEM professionals with strong occupational skills. Data from the U.S. Bureau of Labor Statistics (BLS) support that assertion. Employment in occupations related to STEM is projected to grow to more than 9 million by 2022. (Occupational Outlook Quarterly, Spring 2014. Found at: <http://www.bls.gov/careeroutlook/2014/spring/art01.pdf> )

### **Consistency with Institutional Mission/Impact on Other USHE Institutions**

*Explain how the program is consistent with the institution's Regents-approved mission, roles, and goals. Institutional mission and roles may be found at [higheredutah.org/policies/policyr312/](http://higheredutah.org/policies/policyr312/) . Indicate if the program will be delivered outside of designated service area; provide justification. Service areas are defined in [higheredutah.org/policies/policyr315/](http://higheredutah.org/policies/policyr315/) .*

The CAS specialization emphasizes interdisciplinary research and skill building and encourages a diversity of thought and culture. The curriculum and professional, community-based internship will provide students with skills to serve the public consistent with the mission of Utah State University.

### **Finances**

*What costs or savings are anticipated in implementing the proposed program? If new funds are required, indicate expected sources of funds. Describe any budgetary impact on other programs or units within the institution.*

The CAS specialization will be funded by a grant from the National Science Foundation; no additional resources will be required from the university. More applications may be received by participating departments due to an increase in interest in the programs offering the CAS specialization. No new physical facilities or modifications to existing facilities will be required. There is no need to hire additional faculty for this program, as the novel educational elements to be provided will substitute for current graduate teaching assignments. The project implements and assesses innovations that are expected to improve graduate training and result in increased retention, decreased time to degree for PhD students, and increased job placement flexibility and satisfaction.

### Section III: Curriculum

#### Program Curriculum

List all courses, including new courses, to be offered in the proposed program by prefix, number, title, and credit hours (or credit equivalences). Indicate new courses with an X in the appropriate columns. The total number of credit hours should reflect the number of credits required to receive the award. **For NEW Emphases, skip to emphases tables below.**

For variable credits, please enter the minimum value in the table below for credit hours. To explain variable credit in detail as well as any additional information, use the narrative box below.

		Course Number	NEW Course	Course Title	Credit Hours
General Education Courses (list specific courses if recommended for this program on Degree Map)					
<b>General Education Credit Hour Sub-Total</b>					
Required Courses					
+	-	CAS 6001	X	Interdisciplinary Research Colloquium	1
+	-	CAS 6002	X	Climate Adaptation Science Studio 1	2
+	-	CAS 6003	X	Climate Adaptation Science Studio 2	2
+	-	CAS 6004	X	Climate Adaptation Science Internship 1	0
+	-	CAS 6005	X	Climate Adaptation Science Internship 2	0
+	-	CAS 6006	X	Science Communication Capstone	0
+	-				
+	-				
<b>Required Course Credit Hour Sub-Total</b>					5
Elective Courses					
+	-			A selection of 4 credits of elective short courses will be drawn from <input type="checkbox"/>	
+	-	MATH 6910.002		Stochastic Models and Simulation in Biology	1
+	-	WILD 6510		Topics in Spatial Ecology	1
+	-	WATS 6840		Fluvial Hydraulics and Ecohydraulics	1
+	-	PSC/WATS 6900		Modeling Environmental Change	1
+	-				
Choose      of the following courses:					
+	-				
+	-				
<b>Elective Credit Hour Sub-Total</b>					4
<b>Core Curriculum Credit Hour Sub-Total</b>					9
Propose a NEW Emphasis to an existing Regent approved program					

#### Program Curriculum Narrative

Describe any variable credits. You may also include additional curriculum information, as needed.

Progress through the CAS specialization will be structured by project-based Climate Adaptation Science for Threatened Landscapes research that vertically integrates and organizes learning. Communication

learning and experience will be individualized through Communication Plans and extend across the program of study. PhD students may complete their degree in 3 to 5 years; MS students will complete the program in 2 to 2.5 years. Requirements for the CAS specialization include a first-semester Colloquium (1 credit), a 2-semester Studio course (2 cr + 2 additional credits of elective short-courses each semester); a 2-part Internship, bracketing and integrated with a Studio; and an Individual Communication Plan with Capstone. Internships and the Communication Capstone are 0 credits because students will be participating in non-traditional, personalized, and experiential learning activities that will not be graded, but do need to appear on students' transcripts.

Students in the CAS specialization will be grounded in interdisciplinary climate adaptation research in their first semester of graduate school through a Colloquium will advance from presentation and discussion to formation of student groups to develop climate adaptation research problems and proposals.

An Internship-Studio cycle will immerse students in the processes of engaging, learning from, and understanding the science needs of stakeholders; collaborating to create useful and usable science-based information and products; and communicating and sharing CAS.

Each year, students will be matched to Research/Internship partners that have thematically related research needs. Several organizations will connect students to science-users that have related science needs and have offered Internship opportunities for students. These include USGS Southwest Biological Sciences Center station in Moab (USGS Moab), USGS Southwest Climate Sciences Center in Tucson (USGS SW CSC), USDA Forest Service - Rocky Mountain Research Station (USFS RMRS), and the iUTAH consortium at USU. Students will be matched to Internships according to their career and research interests and skills, relative to partners' needs.

The Studio will integrate core training in informatics, interdisciplinary research methods, risk assessment and decision-making under risk, a variety of modeling and analytical approaches, leadership and followership, and project management. Two CAS faculty will co-lead each Studio, supported by others who present on-demand short-courses or additional perspective and expertise. Students will work in small interdisciplinary groups, and parts of larger teams, to define and execute climate adaptation research on a topic that integrates the science needs of end-users and stakeholders. Each year's Studio research problem will be drawn from the science needs of Research/Internship partners and from the Internship 1 experiences of the students. The Studio will intersperse formal core training throughout the year, to give students the information and skills they need when they need them, as they form and execute their research. Core training will be delivered in short-course form, and short courses also can be taken by a broader student/stakeholder audience, not only the CAS students.

Students will navigate the full data lifecycle during the Studio from discovering hydrological, climate, ecological, and social data sets relevant to research, to integrating and preparing data for use, on through modeling and sharing results so that others can again begin the discovery process. Students will develop programming skills to automate steps, speed completion time, and improve reproducibility of work. The informatics training leverages USU investments in cyberinfrastructure storage and firmware through the NSF EPSCoR iUTAH (Horsburgh et al. 2015), NSF-CI-Water (Abdallah & Rosenberg 2014), and NSF-HydroShare (Tarboton et al. 2014) projects, as well as the Utah Climate Center's existing climate database. The informatics training will create next-generation STEM professionals who can find relevant data, use them in research for modeling and other applications, and share derived products. Formal informatics training will use existing short workshops and course modules to teach best practices in the data lifecycle. Data training will bridge the first-semester Colloquium and Studio as students locate and use data in their Studio research, becoming familiar with a variety of data types and sources.

The CAS curriculum of 9 credits fits easily within current MS and PhD degrees and includes elements that

enrich and add more individuality to students' programs. Expected CAS specialization enrollment will be 20 students each year.

**Degree Map**

*Degree maps pertain to undergraduate programs ONLY. Provide a degree map for proposed program. Degree Maps were approved by the State Board of Regents on July 17, 2014 as a degree completion measure. Degree maps or graduation plans are a suggested semester-by-semester class schedule that includes prefix, number, title, and semester hours. For more details see <http://higheredutah.org/pdf/agendas/201407/TAB%20A%202014-7-18.pdf> (Item #3).*

*Please cut-and-paste the degree map or manually enter the degree map in the table below*



6 January 2017

**ITEM FOR ACTION**

Utah State University's Department of English in the College of Humanities and Social Sciences proposes offering a Graduate Certificate in Archiving and Public Programming in the manner described below.

**EXECUTIVE SUMMARY**

The Department of English in the College of Humanities and Social Sciences proposes offering a Graduate Certificate in Archiving and Public Programming.

**RECOMMENDATION**

The President and Provost recommend that the Board of Trustees approve the proposal to offer a Graduate Certificate in Archiving and Public Programming in the College of Humanities and Social Sciences.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Utah State University's Department of English in the College of Humanities and Social Sciences proposes offering a Graduate Certificate in Archiving and Public Programming, and

WHEREAS, The proposed degree provides an opportunity to acquire some "core archival knowledge" necessary for work as a professional archivist or in public programming and increases marketability of students in the Humanities and other disciplines, and

WHEREAS, The proposal has been approved by the academic dean, the Educational Policies Committee, and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal to offer a Graduate Certificate in Archiving and Public Programming in the College of Humanities and Social Sciences' Department of English and that this proposal be forwarded to the Utah State Board of Regents of the Utah System of Higher Education.

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RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

DATE: \_\_\_\_\_

**Utah System of Higher Education  
Program Description - Abbreviated Template**

**Section I: The Request**

Utah State University requests approval to offer the following Graduate Certificate: Graduate Certificate in Archiving and Public Programming effective Fall 2017. This program was approved by the institutional Board of Trustees on January 6, 2017.

**Section II: Program Proposal/Needs Assessment**

**Program Description/Rationale**

*Present a brief program description. Describe the institutional procedures used to arrive at a decision to offer the program. Briefly indicate why such a program should be initiated. State how the institution and the USHE benefit by offering the proposed program. Provide evidence of student interest and demand that supports potential program enrollment.*

Request is for the creation of an interdisciplinary graduate certificate in Archiving and Public Programming. The certificate is for graduate students currently enrolled in a course of study. The certificate provides a pathway for experience and training in archiving and public programming, defined as the combination of cultural content studies (such as history, folklore, cultural anthropology, etc.), media, and management skills to plan and implement public cultural programs in government and non-profit settings. Curriculum includes a required course in archiving, a related one-semester internship, and two additional elective courses chosen from a menu of options focusing on management or public presentation.

**Labor Market Demand**

*Provide local, state, and/or national labor market data that speak to the need for this program. Occupational demand, wage, and number of annual openings information may be found at sources such as Utah DWS Occupation Information Data Viewer ([jobs.utah.gov/jsp/wi/utalmis/gotoOccinfo.do](http://jobs.utah.gov/jsp/wi/utalmis/gotoOccinfo.do)) and the Occupation Outlook Handbook ([www.bls.gov/oco](http://www.bls.gov/oco)).*

Graduate students in folklore, history, anthropology and other disciplines who seek employment in public, state, and non-profit institutions need further professionalization and skills in archiving and public programming. Although this certificate is not a full degree in archiving, it provides an opportunity to acquire some "core archival knowledge," defined by the Society of American Archivists as the "theoretical and practical basis necessary to work as a professional archivist," and which is obtained by the required courses. "Complementary knowledge," which is also recommended by the Society of American Archivists in developing a curriculum, allows students to specialize in specific disciplines in relation to archival work. Here it is provided by the students' home department. Additional skills in cultural presentation and management are provided by the electives and required internship. This certificate is necessary because the state of Utah does not have a graduate Library Information Science degree, where archiving experience is normally obtained. Therefore, this certificate fills a statewide gap in training and preparation.

**Consistency with Institutional Mission/Impact on Other USHE Institutions**

*Explain how the program is consistent with the institution's Regents-approved mission, roles, and goals. Institutional mission and roles may be found at [higheredutah.org/policies/policyr312/](http://higheredutah.org/policies/policyr312/). Indicate if the program will be delivered outside of designated service area; provide justification. Service areas are defined in [higheredutah.org/policies/policyr315/](http://higheredutah.org/policies/policyr315/).*

This certificate is consistent with USU's mission as both a research-oriented, doctoral granting university and as a student-centered land grant university because it transmits professional knowledge through additional training and education at the graduate level. The training and knowledge acquired are designed to fill public service positions in cultural affairs in primarily government or non-profit settings.

**Finances**

*What costs or savings are anticipated in implementing the proposed program? If new funds are required, indicate expected sources of funds. Describe any budgetary impact on other programs or units within the institution.*

There are no additional expected costs associated with the certificate because it uses already-existing courses.

### Section III: Curriculum

#### Program Curriculum

List all courses, including new courses, to be offered in the proposed program by prefix, number, title, and credit hours (or credit equivalences). Indicate new courses with an X in the appropriate columns. The total number of credit hours should reflect the number of credits required to receive the award. **For NEW Emphases, skip to emphases tables below.**

*For variable credits, please enter the minimum value in the table below for credit hours. To explain variable credit in detail as well as any additional information, use the narrative box below.*

		Course Number	NEW Course	Course Title	Credit Hours
General Education Courses (list specific courses if recommended for this program on Degree Map)					
<b>General Education Credit Hour Sub-Total</b>					
Required Courses					
+	-	HIST 6840		Archives Management/Archives Internship	3
Choose 1 of the following courses:					
+	-	HIST 6500		Archiving Internship	3
+	-	HIST 6540		Museum Internship	3
+	-	ENG 6900		Graduate Internship	3
<b>Required Course Credit Hour Sub-Total</b>					6
Elective Courses					
+	-			(see below)	
Choose of the following courses:					
+	-				
+	-				
Choose of the following courses:					
+	-				
+	-				
Choose of the following courses:					
+	-				
+	-				
Choose of the following courses:					
+	-				
+	-				

		Course Number	NEW Course	Course Title	Credit Hours
Choose 2 of the following courses:					
+	-	ANTH 6400		Collections Management	3
+	-	ARTH 3820		History of Early Photography	3
+	-	ARTH 3830		History of Contemporary Photography	3
+	-	ARTH 6270		Graduate Native North American Art	3
+	-	CMST 4350		Organizations and Social Change	3
+	-	ENGL 6430/7430		Publications Management	3
+	-	ENGL 6460/7460		Studies in Digital Media	3
+	-	ENGL 6470/7470		Studies in Specialized Documents	3
+	-	ENGL/HIST 6700		Folklore Theory and Methods	3
+	-	ENVS 3400		Fundamentals of Tourism	3
+	-	HIST 4880/6880		History Workshop: Special Topics	3
+	-	ITLS 5215/6215		Digital Video Capture and Production I	3
+	-	ITLS 5220/6220		Digital Video Capture and Production II	3
+	-	ITLS 5245/6245		Interactive Multi-Media Production	3
+	-	ITLS 5265/6265		Internet Development	3
+	-	ITLS 6760		Grant Writing	3
+	-	JCOM 4040		Social Media	3
+	-	JCOM 5230		Advanced Video Documentary Production	3
+	-	JCOM 5320/6320		Public Relations Agency	3
+	-	MIS 5650/6650		Advanced Website Development	3
+	-	MIS 6230		Management of Database Systems	3
+	-	MGT 5310		Non-Profit Management	3
+	-	MGT 6370		Project Management	3
+	-	MGT 6470		Project Planning and Execution	3
+	-	MUSC 3970		Non-Profit Arts Management	3
+	-	CCA 3060		Quantitative Methods for the Arts	3
+	-	NEPA 6260		Cultural and Natural Resource Management	3
+	-				
<b>Elective Credit Hour Sub-Total</b>					<b>6</b>
<b>Core Curriculum Credit Hour Sub-Total</b>					<b>12</b>

### Program Curriculum Narrative

*Describe any variable credits. You may also include additional curriculum information, as needed.*

Students must take HIST 6840 Archives Management as the core course. A 3 credit internship is required, but students may register for internship credit through their home department's course numbers if available. Students will choose two additional 3 credit courses from the electives menu. Students may also petition the advisor for a course not listed to fulfill the elective requirements if an argument can be made that it is relevant to the goals of the certificate and the student's course of study. Students wanting to take an upper-division undergraduate course to fulfill the certificate requirements must make arrangements with the course instructor to do additional work for graduate credit and obtain prior approval from the certificate advisor.

## **Degree Map**

*Degree maps pertain to undergraduate programs ONLY. Provide a degree map for proposed program. Degree Maps were approved by the State Board of Regents on July 17, 2014 as a degree completion measure. Degree maps or graduation plans are a suggested semester-by-semester class schedule that includes prefix, number, title, and semester hours. For more details see <http://higheredutah.org/pdf/agendas/201407/TAB%20A%202014-7-18.pdf> (Item #3).*

*Please cut-and-paste the degree map or manually enter the degree map in the table below*

6 January 2017

**ITEM FOR ACTION**

Utah State University's S.J. & Jessie E. Quinney College of Natural Resources proposes offering a Graduate Certificate in Geographic Information Science in the manner described below.

**EXECUTIVE SUMMARY**

The S.J. & Jessie E. Quinney College of Natural Resources proposes offering a Graduate Certificate in Geographic Information Science.

**RECOMMENDATION**

The President and Provost recommend that the Board of Trustees approve the proposal to offer a Graduate Certificate in Geographic Information Science in the S.J. & Jessie E. Quinney College of Natural Resources.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Utah State University's S.J. & Jessie E. Quinney College of Natural Resources proposes offering a Graduate Certificate in Geographic Information Science, and

WHEREAS, The proposed graduate certificate will provide students with a value-added credential in Geographic Information Science, and

WHEREAS, The proposal has been approved by the academic dean, the Educational Policies Committee, and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal to offer a Graduate Certificate in Geographic Information Science in the S.J. & Jessie E. Quinney College of Natural Resources and that this proposal be forwarded to the Utah State Board of Regents of the Utah System of Higher Education.

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RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

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DATE:



Utah System of Higher Education  
Program Description - Abbreviated Template

Section I: The Request

Utah State University requests approval to offer the following Graduate Certificate: Geographic Information Science Certificate effective Fall 2017. This program was approved by the institutional Board of Trustees on **January 6, 2017**.

Section II: Program Proposal/Needs Assessment

**Program Description/Rationale**

*Present a brief program description. Describe the institutional procedures used to arrive at a decision to offer the program. Briefly indicate why such a program should be initiated. State how the institution and the USHE benefit by offering the proposed program. Provide evidence of student interest and demand that supports potential program enrollment.*

The Quinney College of Natural Resources at Utah State University requests approval to create a graduate certificate in Geographic Information Science (GIS). This 12-credit online certificate program would provide a credential that students have completed training and education in the use of geographic information sciences for the research and management of natural resources. The four courses required for completion of the certificate focus on use of the ArcGIS software. Students enrolled in the present Master of Natural Resources (MNR) degree program have asked that a certificate be created to demonstrate their qualification in geographic information sciences. In a recent survey of current MNR students, one third of the sixty plus students indicated that they would enroll in such a certificate program. By offering this credential, Utah State University and USHE would benefit through the recruitment of additional professional graduate students for certificate completion, through increased course enrollments by students in the MNR program, and by the provision of additional credentials to a subset of graduate students enrolled in other graduate degree programs at USU. Students would benefit from improved potential for employment in a highly technical field and for those already employed, by improving their capacities in a high-demand skills area.

There are no graduate certificate programs in geographic information sciences offered through the USHE institutions. Approval of the request will provide Utah students with an opportunity to gain a credential useful in their efforts to become professionals in this growing science-support field.

A search for the new faculty member to teach this course is underway in the Department of Environment and Society. Anticipate the new faculty member will begin employment at Utah State University in the Fall of 2017. Once approved, the Geospatial Analysis course will be offered in an online format Spring Semester of 2018. This course will be the fourth in the sequence of classes required for the Certificate. Anticipate enrollment in the three existing courses will increase by 10-20 percent once the Certificate program is initiated. Expect current instructors will be able to accommodate these additional students. Advising for the MNR degree program is carried out by the MNR program coordinator and will be expanded to

include advising students in the GIS Certificate program. If enrollments in the GIS Certificate program exceed expectations, will hire an assistant program coordinator for both the MNR and GIS programs.

### **Labor Market Demand**

*Provide local, state, and/or national labor market data that speak to the need for this program. Occupational demand, wage, and number of annual openings information may be found at sources such as Utah DWS Occupation Information Data Viewer ([jobs.utah.gov/jsp/wi/utalmis/gotoOccinfo.do](http://jobs.utah.gov/jsp/wi/utalmis/gotoOccinfo.do)) and the Occupation Outlook Handbook ([www.bls.gov/oco](http://www.bls.gov/oco)).*

The need for employees of private companies and public agencies to become competent in geographic information sciences is high. National surveys of job placement and income levels indicate that GIS specialists are in high demand, with annual salaries ranging from \$38,000 to \$70,000 ([www.payscale.com](http://www.payscale.com)). Specific skills associated with use of the ArcGIS software provide a 12% salary increase in the national survey. Demand for cartographers and photogrammetrists, careers for which this Certificate is appropriate, is high for Utah and growing at a 4% annual rate ([www.bls.gov/oco](http://www.bls.gov/oco)). The median salary for these positions was \$61,000 in Utah in 2015.

The proposed Geographic Information Sciences Certificate is directed toward graduate students in all natural resource fields. Analysis of geospatial information on climate, the distribution of plants and animals, movement patterns of animals, and the assessment of competing uses of land for agriculture, municipalities, industries and tourism is a growing need. Data from ground-based and remotely-sensed instruments provide a vast amount of information on the state of land use in Utah. The need to produce future employees to interpret and analyze this information is pressing. Envision 20 students per year completing this graduate certificate and entering the workforce beginning in 2019. This GIS Certificate has been requested by many of the graduates of the online Master of Natural Resources (MNR) program. Anticipate additional demand from graduate students in other USU degree programs. Approximately half of students completing the GIS Certificate would be students enrolled in the MNR program. Current enrollment in the MNR program exceeds 60 students. The proposed GIS certificate would be available to any student who has completed an appropriate BS degree. Acceptance of applicants would be approved by a faculty advisory committee.

### **Consistency with Institutional Mission/Impact on Other USHE Institutions**

*Explain how the program is consistent with the institution's Regents-approved mission, roles, and goals. Institutional mission and roles may be found at [higheredutah.org/policies/policyr312/](http://higheredutah.org/policies/policyr312/). Indicate if the program will be delivered outside of designated service area; provide justification. Service areas are defined in [higheredutah.org/policies/policyr315/](http://higheredutah.org/policies/policyr315/).*

The GIS Certificate program will assist Utah State University in fulfilling its land grant mission of providing educational opportunities for Utah citizens in natural resource fields.

No institution of higher education in Utah offers a certificate in Geographic Information Science directed towards graduate students and delivered in an online format. Three academic programs in Geographic Information Science are offered at Utah institutions. All three are undergraduate programs and none of these are offered in an online format. The University of Utah offers a GIS Certificate which students earn by completing 24 hours of coursework. Salt Lake Community College offers a Geographic Information Systems Certificate as part of an Associates Degree. Thirty-nine credits of coursework in computer science, geography, and GIS technology are required to complete this certificate. Southern Utah University offers a one-year certificate program in Geographic Information Systems that consists of 30 credits of coursework. The SUU certificate program is directed towards undergraduate students. Proposed graduate GIS Certificate can be completed with fewer credit hours because students entering this program have completed undergraduate courses in mathematics, computer science and statistics.

The proposed graduate certificate will be offered in an on-line delivery mode. This approach will make the program more accessible to Utah students but will also be available to students in other states or

countries. Approximately 60% of students in the Master of Natural Resources online program are Utah residents. Anticipate a similar percentage of students in the proposed GIS Graduate Certificate will be Utah residents as well.

### **Finances**

*What costs or savings are anticipated in implementing the proposed program? If new funds are required, indicate expected sources of funds. Describe any budgetary impact on other programs or units within the institution.*

The courses that comprise the GIS certificate program are offered online through the Academic Instructional Service office at Utah State University. Their funding model allows for distribution of tuition dollars to academic units offering online degree programs. Anticipate recruiting some new students to the MNR program through the provision of the GIS Graduate Certificate. The addition of these students will provide income for the Quinney College of Natural Resources. This income can then be used to provide instruction and advising services to students in the program. Anticipate this additional program will be revenue neutral for the College, but offer tremendous opportunities for students to learn highly-sought-after skills in a growing technological field.

### Section III: Curriculum

#### Program Curriculum

List all courses, including new courses, to be offered in the proposed program by prefix, number, title, and credit hours (or credit equivalences). Indicate new courses with an X in the appropriate columns. The total number of credit hours should reflect the number of credits required to receive the award. **For NEW Emphases, skip to emphases tables below.**

*For variable credits, please enter the minimum value in the table below for credit hours. To explain variable credit in detail as well as any additional information, use the narrative box below.*

		Course Number	NEW Course	Course Title	Credit Hours
General Education Courses (list specific courses if recommended for this program on Degree Map)					
<b>General Education Credit Hour Sub-Total</b>					
Required Courses					
+	-	NR 6910		Geographic Information Systems for Natural Resource Applications	3
+	-	NR 6930		Advanced Geographic Information Systems	3
+	-	NR 6940		Principles of Remote Sensing for Natural Resources	3
+	-	NR 6950	X	Geospatial Analysis	3
+	-				
+	-				
+	-				
+	-				
+	-				
+	-				
+	-				
<b>Required Course Credit Hour Sub-Total</b>					12
Elective Courses					
+	-				
+	-				
+	-				
+	-				
+	-				
+	-				
+	-				
<b>Elective Credit Hour Sub-Total</b>					
<b>Core Curriculum Credit Hour Sub-Total</b>					12

#### Program Curriculum Narrative

*Describe any variable credits. You may also include additional curriculum information, as needed.*

Students may take the following on-campus courses to use as substitutes: WATS 6920 Adv. GIS & Spatial Analysis, WILD 6740 Physical Processes in Remote Sensing or WILD 6750 Applied Remote Sensing. Student may transfer up to 6 graduate

credits from another institution to be applied to the Certificate, if the faculty advisory committee approves of the courses. Students will be required to provide a syllabus from the course(s) they wish to transfer.

## **Degree Map**

*Degree maps pertain to undergraduate programs ONLY. Provide a degree map for proposed program. Degree Maps were approved by the State Board of Regents on July 17, 2014 as a degree completion measure. Degree maps or graduation plans are a suggested semester-by-semester class schedule that includes prefix, number, title, and semester hours. For more details see <http://higheredutah.org/pdf/agendas/201407/TAB%20A%202014-7-18.pdf> (Item #3).*

*Please cut-and-paste the degree map or manually enter the degree map in the table below*

6 January 2017

### **ITEM FOR ACTION**

Utah State University's Department of Environment and Society in the S.J. & Jessie E. Quinney College of Natural Resources proposes moving the complete academic oversight of the Bachelor of Science in Geography to the Department of Environment and Society, discontinuing the physical geography emphasis in the Bachelor of Science in Geography, and also changing the name of the emphasis in Geographical Analysis and Bioregional Planning to Geographic Information Science in the manner described below.

### **EXECUTIVE SUMMARY**

The Department of Environment and Society in the S.J. & Jessie E. Quinney College of Natural Resources proposes moving the complete academic oversight of the Bachelor of Science in Geography to the Department of Environment and Society, discontinuing the physical geography emphasis in the Bachelor of Science in Geography, and also changing the name of the emphasis in Geographical Analysis and Bioregional Planning to Geographic Information Science.

### **RECOMMENDATION**

The President and Provost recommend that the Board of Trustees approve the proposal to move the complete academic oversight of the Bachelor of Science in Geography to the Department of Environment and Society, discontinue the physical geography emphasis in the Bachelor of Science in Geography, and also change the name of the emphasis in Geographical Analysis and Bioregional Planning to Geographic Information Science in the S.J. & Jessie E. Quinney College of Natural Resources.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Utah State University's Department of Environment and Society in the S.J. & Jessie E. Quinney College of Natural Resources proposes moving the complete academic oversight of the Bachelor of Science in Geography to the Department of Environment and Society, discontinuing the physical geography emphasis in the Bachelor of Science in Geography, and also changing the name of the emphasis in Geographical Analysis and Bioregional Planning to Geographic Information Science and

WHEREAS, The proposed changes to the Bachelor of Science in Geography are justified on the basis of student enrollment and updates to the department's curriculum and focus, and

WHEREAS, The proposal has been approved by the academic dean, the Educational Policies Committee, and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal to move the complete academic oversight of the Bachelor of Science in Geography to the Department of Environment and Society, discontinuing the physical geography emphasis in the Bachelor of Science in Geography, and also changing the name of the emphasis in Geographical Analysis and Bioregional Planning to Geographic Information Science in the S.J. & Jessie E. Quinney College of Natural Resources' Department Environment and Society and that this proposal be forwarded to the Utah State Board of Regents of the Utah System of Higher Education.

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RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

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DATE:



## Program Change Description - Abbreviated Template

### Section I: The Request

Utah State University requests approval to move the complete academic oversight of the Bachelor of Science in Geography to the Department of Environment and Society, discontinuing the physical geography emphasis in the Bachelor of Science in Geography, and also changing the name of the emphasis in Geographical Analysis and Bioregional Planning to Geographic Information Science effective Fall 2017. This action was approved by the institutional Board of Trustees on January 6, 2017.

### Section II: Program Proposal

#### Program Change Description/Rationale

*Present a brief program change description. Describe the institutional procedures used to arrive at a decision for the change. Briefly indicate why such a change should be initiated. State how the institution and the USHE benefit by the change.*

The B.S. in Geography is being consolidated from a shared program in the Department of Watershed Science (WATS) and the Department of Environment and Society (ENVS) to being wholly administered in ENVS. WATS wishes to discontinue its role in administering the Geography B.S., thus ceding it to ENVS, and is discontinuing the Area of Emphasis in Physical Geography (for which WATS had primary responsibility), which has had low enrollments (less than 5 students each year since establishment in 2009, when the program moved from ENVS to a shared ENVS/WATS program and the current three areas of emphasis were instituted).

In addition, the Area of Emphasis in Geographical Analysis & Bioregional Planning is being renamed to Geographic Information Science. The MS degree in Bioregional Planning has been ceded to the Department of Landscape Architecture and Environmental Planning (approved by the Regents 4/1/16), thus the name of this area of emphasis is being renamed Geographic Information Science, as is consistent with modern terminology in the field and its use by peer institutions, and to better reflect required coursework (see next paragraph).

Changes in curricula for the Geography major (B.S.) and minor are moderate -- substantially less than 50%. These changes were developed by a committee of ENVS Faculty. ENVS faculty voted unanimously to adopt these changes at a formal faculty meeting in August 2016. For the Geographical Analysis and Bioregional Planning Emphasis, required coursework in planning moved to the emphasis electives, allowing students to pair the coursework in geographical analysis (more specifically, geographic information science) to a variety of areas of geographic application (versus only to planning).

#### Consistency with Institutional Mission/Institutional Impact

*Explain how the action is consistent with the institution's Regent-approved mission, roles, and goals. Institutional mission and roles may be found at [higheredutah.org/policies/policyr312/](http://higheredutah.org/policies/policyr312/). Indicate if the program will be delivered outside of designated service area; provide justification. Service areas are defined in [higheredutah.org/policies/policyr315/](http://higheredutah.org/policies/policyr315/). Will faculty or staff structures be impacted by the proposed change?*

A renamed emphasis in Geographic Information Science is needed to modernize the Geography program and make it consistent with new areas of expertise in ENVS and Utah State (e.g., a cluster hire in Data Science). This change will better meet the needs and career aspirations of students majoring in Geography. Renaming this emphasis is expected to facilitate attracting higher enrollment given the strong job market in GIS. The program transfer will result in organizational rationalization and greater efficiency, given the elimination of the Area of Emphasis in Physical Geography.

#### Finances

*What costs or savings are anticipated from this change? If new funds are required to implement the change, indicate expected sources of funds. Describe any budgetary impact on other programs or units within the institution.*

No budgetary impact is expected from this change. Although the name change for one of the Areas of Emphasis should lead to increased enrollments in the program, the program has the ability to accommodate these additional students without a need for additional resources.

6 January 2017

**ITEM FOR ACTION**

Utah State University's Department of Nursing and Health Professions in the Emma Eccles Jones College of Education and Human Services proposes offering a Bachelor of Science in Nursing in the manner described below.

**EXECUTIVE SUMMARY**

The Department of Nursing and Health Professions in the Emma Eccles Jones College of Education and Human Services proposes offering a Bachelor of Science in Nursing.

**RECOMMENDATION**

The President and Provost recommend that the Board of Trustees approve the proposal to offer a Bachelor of Science in Nursing in the Emma Eccles Jones College of Education and Human Services.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Utah State University's Department of Nursing and Health Professions in the Emma Eccles Jones College of Education and Human Services proposes offering a Bachelor of Science in Nursing, and

WHEREAS, The proposed degree will provide greater opportunities for training Utah students at the Registered Nurse (RN) level, and

WHEREAS, The proposal has been approved by the academic dean, the Educational Policies Committee, and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal to offer a Bachelor of Science in Nursing in the Emma Eccles Jones College of Education and Human Services' Department of Nursing and Health Professions and that this proposal be forwarded to the Utah State Board of Regents of the Utah System of Higher Education.

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RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

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DATE:

Utah System of Higher Education  
Program Description - Full  
Template

Section I: The Request

Utah State University requests approval to offer the following Baccalaureate degree(s): Bachelor of Science in Nursing effective Fall 2017. This program was approved by the institutional Board of Trustees on January 6, 2017.

Section II: Program Proposal

**Program Description**

The state of Utah and the United States are facing another nursing shortage. According to the U.S. Department of Labor, Bureau of Labor Statistics, employment for nurses will increase from 2.86 million to approximately 3.4 million jobs between 2012 and 2022, more than a twenty percent increase. At the same time, over half a million registered nurses are projected to leave the workforce. In Utah, the Department of Workforce Services also anticipates a rise in registered nurse job openings. Annually, nearly one thousand openings for registered nurses are anticipated over the next 17 years.

With the increased need for registered nurses comes a call for nurses with more training. Newly graduated nurses with Associate's degrees (ADN) are still being hired in many facilities, but jobs are not as easy to find for new graduates from ADN programs. More nurses with Bachelor's degrees are being hired by the health care industry than in the past. The Department of Workforce Services notes in their employment projections that registered nurses with Bachelor's degrees in nursing (BSN) will have better job prospects than nurses who do not have Bachelor's degrees.

In its Future of Nursing report in 2011, the Institute of Medicine recommended that 80% of registered nurses have a baccalaureate degree by 2020. The report noted that:

“The ways in which nurses were educated during the 20th century are no longer adequate for dealing with the realities of health care in the 21st century. As patient needs and care environments have become more complex, nurses need to attain requisite competencies to deliver high-quality care. These competencies include leadership, health policy, system improvement, research and evidence-based practice, and teamwork and collaboration, as well as competency in specific content areas such as community and public health and geriatrics. Nurses also are being called upon to fill expanding roles and to master technological tools and information management systems while collaborating and coordinating care across teams of health professionals. To respond to these increasing demands, the IOM committee calls for nurses to achieve higher levels of education and suggests that they be educated in new ways that better prepare them to meet the needs of the population.”

The state of Utah only has two USHE institutions that offer a pre-licensure Bachelor's degree for people planning on becoming registered nurses: Southern Utah University and University of Utah. These nursing programs produce excellent graduates who help meet the growing need for Bachelor's prepared registered nurses. Each year many qualified students who apply are not admitted into either nursing program due to limited capacity. In 2015, the Associate Dean at the University of Utah College of Nursing said that 128 students were admitted of the 300 qualified for admission. Even if these two programs could take 50% more students, they cannot meet Utah's student demand or health care industry needs.

Seeing an industry shortage in Bachelor's prepared nurses and a lack of capacity to educate potential students at

this level, Utah State University proposes to offer a Bachelor of Science in Nursing (BSN) degree to be housed on the Logan campus. Similar to many BSN programs, the proposed program will consist of eight semesters of education. The first two years will include pre-nursing and general education courses followed by two years of content that is focused on more specific nursing related issues such as pediatrics, women's health, medical-surgical nursing, and community health. Students will enter and progress through the program in cohort groups. Graduates of the program will be eligible to take the National Council of State Boards of Nursing NCLEX-RN examination for licensure in the state of Utah. Although BSN-prepared registered nurses may work in similar facilities and positions as associate degree-prepared registered nurses, registered nurses with a BSN degree typically have more responsibility, higher salaries, and greater opportunities for supervisory/managerial roles. Graduates of the program will be prepared to advance their education to become advanced practice nurses, nurse educators, clinical nurse specialists, and nurse administrators.

### **Consistency with Institutional Mission**

The mission of Utah State University is to be a premier student centric university that serves the Utah public through learning, discovery, and engagement. This BSN program will achieve that mission by providing students with greater accessibility to nursing education in the state.

## **Section III: Needs Assessment**

### **Program Rationale**

With the merger of the College of Eastern Utah in 2010, Utah State University obtained accredited nursing programs. Since that time, students have been able to prepare to become licensed practical nurses (LPNs) through a certificate program and registered nurses (RNs) through USU's AAS (Applied Associate of Science) degree program. The practical nursing certificate and AAS in nursing programs have served the students and the communities of Eastern Utah for many years. USU currently offers AAS in nursing courses to prepare students for the national licensure exam and careers as RNs at three locations: Blanding, Price, and Vernal. A USU nursing program is not offered in Logan. However, USU has had a collaborative agreement with Weber State University to offer an Associate's degree in nursing (ADN) enabling students to take nursing courses on the Logan campus. This agreement has well served USU and the students interested in nursing. WSU is discontinuing its ADN program on the USU Logan campus and has admitted its last Associate's degree in nursing cohort at this location. The final cohort of WSU ADN students will graduate in May of 2017. Weber State University will continue to have a presence in the Logan area educating LPNs to be prepared for careers as RNs through the completion of an Associate's degree.

The community is in need of additional RNs to provide high quality health care. The Department of Nursing and Health Professions administrators have met with local health care industry leaders, such as the Chief Nursing Officer at the Logan Regional Medical Center (a letter of support is attached in Appendix E). The health care industry leaders who have been contacted support the offering of a Bachelor's degree nursing program in Logan as it will assist in meeting their needs for qualified nurses.

An additional benefit of the USU Bachelor's degree in nursing program will be the ability to help strengthen the existing USU nursing programs. BSN program faculty and staff would provide additional expertise and support to benefit all USU nursing programs including those in the eastern part of the state. Further, a USU BSN program would provide potential pathways for future nurses to become faculty members or explore other nursing career paths.

### **Labor Market Demand**

According to the Utah Department of Workforce Services, the registered nursing occupation “is expected to experience faster than average employment growth with a high volume of annual job openings.” The Utah Department of Workforce Services also projects job opportunities for registered nurses to be good. As previously mentioned, the Department projects a need for 970 openings for registered nurses in the state of Utah each year between 2012 and 2022. The Department notes that “generally, registered nurses with at least a Bachelors (sic) degree in nursing (BSN) will have better job prospects than those without one.” This claim that a Bachelor's degree improves job prospects is supported by organizations such as Intermountain Healthcare and the Veterans Administration. Currently, Intermountain Healthcare facilities are giving preference to hiring registered nurses who have BSNs over those who do not. Similarly, the Veterans Administration does not hire RNs unless they have a bachelor's degree or higher.

Nurses need to have at least a Bachelor's degree to go on to most advanced practice nursing careers such as nurse midwife, nurse practitioner, and nurse anesthetist. Nurses with specialized training in these areas are highly recruited and needed particularly in rural areas. Currently, the Utah Department of Workforce Services rates the nurse practitioner occupation at the highest level for employment due to demand and wages. The Department expects that this occupation will have faster than average growth with a 4.7% annual rise in job opportunities.

In addition to needing Bachelor's prepared nurses to care for the community, Bachelor's- and higher-prepared nurses are needed to become nursing faculty as there are state and national shortages of nursing faculty according to the American Association of Colleges of Nursing. The Utah Department of Workforce Services projects the need for postsecondary nursing instructors and teachers will experience a much faster than average employment growth over the next several years. Some of the need is due to replacement of retiring faculty and the growth in nursing education. Nurses who want to become instructors are expected to have more training than is offered in an Associate's degree. Clinical instructors must have a Bachelor's degree or higher to teach in Utah's accredited colleges and universities. A Master's degree at a minimum is required for most full-time faculty positions. A BSN program will open the door for nurses who want to fill the growing number of faculty and instructional roles.

### **Student Demand**

The American Association of Colleges of Nursing calculated that in the 2013-2014 academic year, over fifty thousand qualified applicants to Baccalaureate programs were not accepted due to lack of program capacity. According to the National League for Nursing, over 35% of qualified program applicants are not admitted to BSN programs. This indicates a substantial demand for BSN programs.

Each year hundreds of USU Logan campus students identify themselves as pre-nursing majors even though USU Logan does not have a nursing program in Logan. The large number of pre-nursing students already on campus will create competitive admissions for program entry.

### **Similar Programs**

Only two USHE institutions have four-year pre-licensure Bachelor's of nursing programs: University of Utah and Southern Utah University. There are other USHE universities and colleges that offer Associate's degrees and/or Bachelor's completion programs in nursing, which may take longer to complete. It is anticipated the planned twenty seats will be filled with stellar students without making a substantial impact on admissions at Southern Utah University or the University of Utah.

### **Collaboration with and Impact on Other USHE Institutions**

This proposed program should have minimal, if any, impact on other USHE institutions as there is an overabundance of qualified students applying to existing BSN programs. Statistics from Mountain Measurement,

Inc., indicate that approximately 40% of qualified nursing program applicants (both ADN and BSN) at USHE institutions are not admitted due to lack of program capacity. Therefore, creation of this program should not limit the ability of existing programs to continue to fill their seats with high achieving students.

Program planning has included closely aligning USU BSN program curriculum with the University of Utah and Southern Utah University nursing programs. Having similar pre-requisites will enable students who are not admitted into one program to qualify for admission to another. Both the USHE BSN programs acknowledge an increased need for additional BSN education in Utah and have been supportive of the USU BSN. Support letters from Southern Utah University and University of Utah nursing leadership can be found in Appendix E.

### **External Review and Accreditation**

In developing the curriculum, a variety of nursing education standards were reviewed, including the "The Essentials of Baccalaureate Education for Professional Nursing Practice" by the American Association of Colleges of Nursing, and "Quality and Safety Education for Nurses" comprehensive competencies from the National Institute of Nursing Research. The National Registered Nurse Licensing Exam-RN (NCLEX-RN) Detailed Test Plan also was taken into consideration in building the curriculum as well as criteria required by the Accreditation Commission for Education in Nursing (ACEN). Approval for implementation of the program will be sought from the Utah State Board of Nursing.

The Utah State University PN and ADN programs currently are accredited by ACEN. USU will apply for candidacy for ACEN accreditation for the BSN program once the program has received Board of Regents and NWCCU approval. The Utah Nurse Practice Act also was reviewed and used in the curricular development. Other nursing curricula from similar universities within the state and region were evaluated and considered in developing the course plan. In addition, a national curriculum expert, Dr. Liz Close, provided input on how to improve the BSN plan of study.

### **Section IV: Program Details**

#### **Graduation Standards and Number of Credits**

Students will complete the program in eight semesters or 120 credits. Courses meet the baccalaureate degree requirements mandated by USHE, and fall within acceptable guidelines of the Accreditation Commission for Education in Nursing. Students will be required to achieve a C or better in each nursing course for graduation from the program.

#### **Admission Requirements**

To be admitted to the program, students will be required to:

- Have an overall GPA of 3.0 or higher;
- Complete each prerequisite course with a grade of B- or higher;
- Achieve an acceptable score on the ATI-Test of Essential Academic Skills for nursing and other health professions;
- Write an essay on the meaning of professional nursing, nursing's contribution to health care, and their goals as a professional nurse; and
- Submit three letters of recommendation.

#### **Curriculum and Degree Map**

Refer to Appendix A for a list of courses and Appendix B for a program Degree Map, or graduation plan.

## **Section V: Institution, Faculty, and Staff Support**

### **Institutional Readiness**

USU has made nursing education programs a priority and provided extensive support and resources for the current nursing programs. This includes the formation of a Department of Nursing and Health Professions, which was approved by the State Board of Regents in July 2014. The Department of Nursing and Health Professions includes a Director of Nursing Programs, Dr. Carole Grady, who will serve as the program administrator for the proposed BSN program. The Department of Nursing and Health Professions is in the Emma Eccles Jones College of Education and Human Services. This College is well situated to handle the proposed nursing program, as it is currently the home for many clinical and human service programs. Courses were chosen to meet the specific curriculum outcomes and to fulfill the USHE criteria for graduation. The pre-requisite and support courses for the program are in place and offered regularly through USU at the Logan campus. There is currently a temporary clinical space established that has served the RN program where Weber State University delivers clinical training on the Logan campus. Beginning in January 2018 the BSN will occupy clinical laboratory space in the new Clinical Excellence Building currently under construction with a scheduled opening date of November 2017. This facility will provide several simulation rooms plus a general skills lab encompassing the didactic classroom and debriefing spaces.

### **Faculty**

Faculty will be in place to support the program. Three full-time faculty, one of whom also will have program coordination responsibilities, will be hired for the first year of the program. Two part-time faculty also will be utilized during the first year of the program for supervision of practicum experiences in clinical settings. An additional two full-time faculty and two part-time clinical instructors will be needed as the program begins its second year when there will be two cohorts of students in the program.

### **Staff**

Existing administrative staff and advisors are in place in the Department of Nursing and Health Professions to support the program. Secretarial support will be provided by the current staff assistant position in the Department of Nursing and Health Professions.

### **Student Advisement**

A full-time advisor currently works for the department and will continue to provide student advising in nursing. It is projected that this advisor will adequately meet the needs of students in the program.

### **Library and Information Resources**

The library resources are adequate to address the needs of the proposed BSN program including an abundance of online databases through the Merrill-Cazier Library providing access to leading nursing and health care journals.

### **Projected Enrollment and Finance**

Refer to Appendix D for projected enrollment and information on related operating expenses and funding sources.



## Section VI: Program Evaluation

### Program Assessment

The Accreditation Commission on Nursing Education requires program review on a regular, continuing basis. As application for accreditation candidacy status is made to ACEN, the program will develop a systematic plan of evaluation that addresses achievement of program outcomes (NCLEX-RN licensure exam first-time pass rates, graduation rates, and employment rates) and student learning outcomes. The systematic plan of evaluation will be used to guide decision-making in the program and provide a mechanism for continuous program assessment and quality improvement.

Program outcomes and expected levels of achievement are:

- NCLEX-RN licensure exam first-time pass rates: 80% or better of program graduates within the same 12-month period will pass the NCLEX-RN licensure exam on the first attempt.
- Graduation rates: 90% of students who begin the first nursing course will graduate from the BSN program within 6 semesters.
- Employment rates: 90% of program graduates will be employed as an RN within 6 to 12 months following graduation, or enrolled in a graduate nursing education program.

Upon completion of the BSN program, students will be able to:

1. Incorporate knowledge from the arts, humanities and sciences in the planning and provision of professional nursing care across the lifespan and continuum of health care environments.
2. Integrate reliable evidence from multiple perspectives to inform safe practice and make reasonable clinical decisions.
3. Manage data, information, and technology to inform and guide nursing practice.
4. Integrate leadership and management skills, and knowledge of health care policy, regulatory processes, and cost effectiveness for the improvement of quality care and patient safety.
5. Utilize interpersonal and inter-professional communication in collaboration for the promotion of optimal health for individuals, families, communities, and populations.
6. Apply principles of health promotion and disease prevention to the care of individuals, families, communities, and populations.
7. Apply ethical and legal standards of professional nursing including professional accountability and responsibility in the provision of nursing care.

### Student Standards of Performance

Assessment of student performance will include formative and summative measures. Examples include but are not limited to the following:

- Formative: concept maps, quizzes, interval exams, group presentations, weekly clinical evaluation tools, Assessment Technology Institute (ATI) standardized tests, evidence-based practice/research papers, communication rubrics
- Summative: comprehensive final exams, final clinical evaluation tool, ATI NCLEX-RN Content Mastery and Predictor tests, capstone project, NCLEX-RN exam pass rates

## Appendix A: Program Curriculum

Course Number	NEW Course	Course Title	Credit Hours
General Education Courses (list specific courses if recommended for this program on Degree Map)			
General Education Credit Hour Sub-Total			15
Required Courses			
NURS 3010	x	Nursing Health Assessment	1
NURS 3015	x	Nursing Health Assessment Lab	1
NURS 3020	x	Fundamentals of Nursing	2
NURS 3025	x	Fundamentals of Nursing Lab	2
NURS 3030	x	Nursing Management of Care	4
NURS 3035	×	Nursing Management of Care Practicum	3
NURS 3040	×	Pharmacology of Health Care	3
NURS 3210	×	Population Health & Prevention	3
NURS 3215	×	Population Health & Prevention Practicum	2
NURS 3220	×	Family Nursing Through the Lifespan	4
NURS 3225	×	Family Nursing Through the Lifespan Practicum	2
NURS 3230	×	Evidence Based Health Care	3
NURS 3240	×	Health Information Management & Technology	2
NURS 4010	×	Leadership, Management, & Policy in Health Care	4
NURS 4015	×	Leadership, Management, & Policy in Health Care Practicum	2
NURS 4020	×	Nursing Management of Care 2	4
NURS 4025	×	Nursing Management of Care 2 Practicum	4
NURS 4210	×	Nursing Capstone	2
NURS 4215	×	Nursing Capstone Practicum	4
BIOL 2520	×	Pathophysiology	3
BIOL 2320	×	Human Anatomy	4
BIOL 2420	×	Human Physiology	4
BIOL 2060	×	Elementary Microbiology	4
PSY 1010		General Psychology	3
BIOL 1010		Biology and the Citizen	3
STAT 1040		Intro to Stats	3
FCHD 1500		Human Development over the Lifespan	3
CHEM 1110		General Chemistry 1	4
CHEM 1120		General Chemistry	4
CHEM 1125		General Chemistry Lab	1
NDFS 1020		Nutrition	3
CI of Choice		Communicative Intensive (suggest HEP 3600, 5000, or 5100)	3
DHA of Choice		Depth Humanities & Creative Arts	2

Course Number	NEW Course	Course Title	Credit Hours
PSY 3210		Abnormal Psychology	3
Required Course Credit Hour Sub-Total			99
Elective Courses			
		Electives	6
Elective Credit Hour Sub-Total			6
Core Curriculum Credit Hour Sub-Total			120

Program Curriculum Narrative

NA

## Appendix B: Degree Map

First Year Fall	Cr. Hr.	First Year Spring	Cr. Hr.
PSY 1010 Gen Psychology (BSS)	3	Breadth Creative Arts Course of choice	3
ENGL 1010 Intro to Writing (CL1)	3	FCHD 1500 Human Development over lifespan	3
BIOL 1010 Biology and the Citizen (BLS)	3	BIOL 2320 Human Anatomy	4
STAT 1040 Intro to Stats (QL)	3	CHEM 1110 General Chemistry I (PBS)	4
Elective	3	Elective	1
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>
Second Year Fall	Cr. Hr.	Second Year Spring	Cr. Hr.
BIOL 2420 Human Physiology	4	ENGL 2010 Intermediate Writing (CL2)	3
BIO 2060 Elementary Micro	4	BIOL 2520 Pathophysiology	3
Breadth American Institutions course	3	CHEM 1120 General Chemistry (BPS/Explora)	4
Breadth Humanities course	3	CHEM 1125 General Chemistry Lab	1
Elective	1	NDFS 1020 Nutrition (BLS/Exploratory)	3
		Elective	1
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>
Third Year Fall	Cr. Hr.	Third Year Spring	Cr. Hr.
NURS 3010 & 3015 Nursing Health Assessm	2	NURS 3210 Population Health & Prevention	3
NURS 3020 & 3025L Fundamentals of Nursing	4	NURS 3215 Population Health & Prevention P	2
NURS 3040 Pharmacology in Health Care	3	NURS 3220 Family Nursing Through the Lifes	4
NURS 3030 Nursing Management of Care 1	4	NURS 3225 Family Nursing Through the Lifes	2
NURS 3035 Nursing Management of Care 1 P	3	NURS 3230 Evidence Based Health Care	3
		NURS 3240 Health Information Management &	2
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>
Fourth Year Fall	Cr. Hr.	Fourth Year Spring	Cr. Hr.
NURS 4010 Leadership, Management, & Poli	4	NURS 4210 Nursing Capstone	2
NURS 4015 Leadership & Man, & Policy in H	2	NURS 4215 Nursing Capstone Practicum	4
NURS 4020 Nursing Management of Care 2	4	Communicative Intensive (suggest HEP 3600,	3
NURS 4025 Nursing Management of Care 2 P	4	Depth Humanities & Creative Arts	2
		PSY 3210 Abnormal Psychology (DSS)	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>14</b>

### Appendix C: Current and New Faculty / Staff Information

#### Part I. Department Faculty / Staff

	# Tenured	# Tenure -Track	# Non -Tenure Track
Faculty: Full Time with Doctorate			1
Faculty: Part Time with Doctorate			
Faculty: Full Time with Masters			
Faculty: Part Time with Masters			
Faculty: Full Time with Baccalaureate			
Faculty: Part Time with Baccalaureate			
Teaching / Graduate Assistants	////	////	
Staff: Full Time			2
Staff: Part Time			

#### Part II. Proposed Program Faculty Profiles

	First Name	Last Name	Tenure (T) / Tenure Track (TT) / Other	Degree	Institution where Credential was Earned	Est. % of time faculty member will dedicate to proposed program.	If "Other," describe
<b>Full Time Faculty</b>							
	Carole	Grady	Other	EdD	Utah State University	50%	Prof Pract
<b>Part Time Faculty</b>							

#### Part III: New Faculty / Staff Projections for Proposed Program

	# Tenured	# Tenure -Track	# Non -Tenure Track	Academic or Industry Credentials	Est. % of time to be dedicated to proposed program.
Faculty: Full Time with Doctorate		2		PhD, with Masters in Nursing	100%
Faculty: Part Time with Doctorate					
Faculty: Full Time with Masters			2	BSN with Masters in Nursing	100%
Faculty: Part Time with Masters			4	BSN with Master's in Nursing	100%
Faculty: Full Time with Baccalaureate					
Faculty: Part Time with Baccalaureate					
Teaching / Graduate Assistants					
Staff: Full Time					
Staff: Part Time	////	////			

## Appendix D: Projected Program Participation and Finance

### Part I.

Project the number of students who will be attracted to the proposed program as well as increased expenses, if any. Include new faculty & staff as described in Appendix C.

Three Year Projection: Program Participation and Department Budget						
	Year Preceding Implementation	New Program				
		Year 1	Year 2	Year 3	Year 4	Year 5
<b>Student Data</b>						
# of Majors in Department	41	70	105	120	130	135
# of Majors in Proposed Program(s)	////	20	50	60	60	60
# of Graduates from Department	30	35	60	70	75	80
# Graduates in New Program(s)	////	0	20	30	30	30
<b>Department Financial Data</b>						
	Department Budget					
	Year Preceding Implementation (Base Budget)	Year 1	Year 2	Year 3		
		Addition to Base Budget for New Program(s)	Addition to Base Budget for New Program(s)	Addition to Base Budget for New Program(s)		
<i>Project additional expenses associated with offering new program(s). Account for New Faculty as stated in Appendix C, "Faculty Projections."</i>						
<b>EXPENSES – nature of additional costs required for proposed program(s)</b>						
<i>List salary benefits for additional faculty/staff each year the positions will be filled. For example, if hiring faculty in year 2, include expense in years 2 and 3. List one-time operating expenses only in the year expended.</i>						
Personnel (Faculty & Staff Salary & Benefits)		\$241,760	\$483,520	\$483,520		
Operating Expenses (equipment, travel, resources)		\$345,500	\$11,000	\$10,000		
Other: accreditation		\$6,500	\$6,500	\$2,600		
<b>TOTAL PROGRAM EXPENSES</b>	////	\$593,760	\$501,020	\$496,120		
<b>TOTAL EXPENSES</b>		\$593,760	\$501,020	\$496,120		
<b>FUNDING – source of funding to cover additional costs generated by proposed program(s)</b>						
<i>Describe internal reallocation using Narrative 1 on the following page. Describe new sources of funding using Narrative 2.</i>						
Internal Reallocation		\$593,760	\$501,020	\$496,120		
Appropriation						
Special Legislative Appropriation						
Grants and Contracts						
Special Fees						
Tuition						
Differential Tuition (requires Regents approval)						
<b>PROPOSED PROGRAM FUNDING</b>	////	\$593,760	\$501,020	\$496,120		
<b>TOTAL DEPARTMENT FUNDING</b>		\$593,760	\$501,020	\$496,120		
<b>Difference</b>						
Funding - Expense		\$0	\$0	\$0	\$0	

## Part II: Expense explanation

### Expense Narrative

Dr. Carole Grady, Assistant Department Head, will devote .50 FTE to the BSN program. In addition, two PhD, tenure-track faculty, two Masters in Nursing non-tenure track faculty, and four part-time clinical instructors will be hired during the first two years of the program. Other costs that have been identified are associated with acquiring clinical lab equipment including simulation manikins, bringing on the new faculty members such as relocation expenses, start up packages which includes office packages, position advertising and interview travel costs. The initial costs of the ACEN accreditation application also will need to be covered.

## Part III: Describe funding sources

### Revenue Narrative 1

Several years ago, the Utah State Legislature provided Utah State University with \$1M in ongoing funding to support nursing programs at Utah State University. Initially, funding was used exclusively to support regional campus ADN/RN programs in Vernal, Price, and Blanding. Since that time, programs have been added in Tooele and Moab. Funding from the original appropriation is currently being used to support campus nursing coordinators, while regional campuses provide funding for all other faculty.

A revised budget for the Nursing program was established in July of 2014, when a new Department of Nursing and Health Professions was created in anticipation of starting the BSN on the Logan campus. During the initial two years of program development, not all faculty positions were filled so a surplus from previous years will help cover the cost of clinical laboratory equipment purchases, expenses related to initiation of accreditation and other one-time start-up expenses. Other internal reallocations included reducing administrative costs by having the Department Head in Kinesiology and Health Sciences, Dr. Dennis Dolny, also assume leadership of the Department of Nursing and Health Professions with the help of Assistant Department Head, Dr. Carole Grady. Previously, the Nursing and Health Professions Department in Logan had its own department head and director of nursing. Given these salary savings, the \$1M ongoing legislative appropriation is sufficient to enable us to hire two PhD-level faculty members, one of whom will serve as the Logan campus coordinator, as well as 2 Master's level nursing faculty and several part-time clinical instructors who will be paid by the course.



UNIVERSITY OF UTAH  
COLLEGE OF NURSING

October 22, 2015

Dr. Sandra Nadelson  
Dr. Travis Peterson  
Emma Eccles Jones College of Education  
And Human Services  
2695 Old Main Hill  
Logan, UT 84322-2695

Dear Dr. Nadelson and Dr. Peterson,

Significant evidence demonstrates that having a higher percentage of registered nurses with baccalaureate degrees is associated with improved patient outcomes, shortened lengths of stay, and fewer hospital readmissions. Coupled with the Institute of Medicine's report that challenged our nation to have 80% of our nursing workforce educated at a minimum of the baccalaureate level by 2020, the need for highly educated nurses has never been greater.

Currently, the two Utah state supported universities that have four-year bachelor's degrees cannot continue to provide enough nursing graduates to meet the current and future needs of the state. I am writing to express my full support for Utah State University in Logan to develop and implement a bachelor's of nursing degree program.

Please let me know how I may be of further questions or need assistance.

Sincerely,

A handwritten signature in cursive script that reads "Barbara Wilson".

Dr. Barbara Wilson, RNC-OB  
Associate Dean for Academic Programs  
Associate Professor  
University of Utah College of Nursing





*Department of Nursing*

351 W. University Blvd.  
Cedar City, UT 84720  
Phone: (435) 586-7915  
Fax: (435) 586-1984  
[www.suu.edu/cose/nursing](http://www.suu.edu/cose/nursing)

November 13, 2015

Dr. Sandra Nadelson  
Dr. Travis Peterson  
Emma Eccles Jones College of Education  
And Human Services  
2695 Old Main Hill  
Logan, UT 84322-2695

Dear Dr. Nadelson and Dr. Peterson,

The need for nurses who are educated at the bachelor degree level is increasing within the state of Utah and across the nation. This is driven by several factors including research findings which indicate that having a higher percentage of bachelors prepared registered nurses within a medical facility is good for patients, employers, and communities. Because of the improved outcomes, many Utah health care organizations are focusing on hiring of nurses who have a bachelor's degree. This has increased the need of nurses prepared at this level of education.

Southern Utah University began educating bachelor degree prepared nurses in 2004. We have found that an independent program can respond more appropriately to local needs. Additionally, bachelor's prepared nurses are better prepared to meet the needs of patients and to function successfully in complex health care settings.

Because I believe that nurses should be educated at the bachelor degree level and that local education best serves local needs, you have my support for the development and opening of the bachelor of nursing degree at Utah State University in Logan.

Sincerely,

**Donna JALister**

Donna J. A. Lister PhD, APRN, FNP, CNE  
Professor and Chair, Department of Nursing  
Southern Utah University



Wednesday, November 04, 2015

Travis Peterson, Ph.D.  
Department Head  
Department of Nursing and Health Professions  
Utah State University

Mr. Peterson,

This letter is to express my full and enthusiastic support for the establishment of USU's BSN Nursing Program. It is Logan Regional Hospitals desire to be partners in offering appropriate clinical settings and support to the students, and the faculty, as the students pursue their nursing degree at Utah State University.

We view your future program as mutually beneficial to both institutions and we look forward to our association in helping USU see their vision of nursing education come to fruition.

Sincerely,

**Neil C. Perkes, RN, MBA, CPHQ**  
Nursing Administrator  
Logan Regional Hospital  
1400 North 500 East  
Logan, UT 84341  
Office: 435.716.5484 | Cell: 435.760.1015  
[neil.perkes@imail.org](mailto:neil.perkes@imail.org)



6 January 2017

### **ITEM FOR ACTION**

Utah State University's Departments of Nutrition, Dietetics and Food Science, Kinesiology and Health Science, Animal, Dairy and Veterinary Sciences and Mathematics and Statistics in the Colleges of Agriculture and Applied Sciences, Science and the Emma Eccles Jones College of Education and Human Services proposes offering a Master of Public Health in the manner described below.

### **EXECUTIVE SUMMARY**

The Departments of Nutrition, Dietetics and Food Science, Kinesiology and Health Science, Animal, Dairy and Veterinary Sciences and Mathematics and Statistics in the Colleges of Agriculture and Applied Sciences, Science and the Emma Eccles Jones College of Education and Human Services proposes offering a Master of Public Health.

### **RECOMMENDATION**

The President and Provost recommend that the Board of Trustees approve the proposal to offer a Master of Public Health in the Colleges of Agriculture and Applied Sciences, Science and the Emma Eccles Jones College of Education and Human Services.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Utah State University's Departments of Nutrition, Dietetics and Food Science, Kinesiology and Health Science, Animal, Dairy and Veterinary Sciences and Mathematics and Statistics in the Colleges of Agriculture and Applied Sciences, Science and the Emma Eccles Jones College of Education and Human Services proposes offering a Master of Public Health, and

WHEREAS, The proposed graduate degree offers students interdisciplinary training in an important area of health sciences, and

WHEREAS, The proposal has been approved by the academic dean, the Educational Policies Committee, and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal to offer a Master of Public Health in the Colleges of Agriculture and Applied Sciences, Science and the Emma Eccles Jones College of Education and Human Services' Departments of Nutrition, Dietetics and Food Science, Kinesiology and Health Science, Animal, Dairy and Veterinary Sciences and Mathematics and Statistics and that this proposal be forwarded to the Utah State Board of Regents of the Utah System of Higher Education.

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RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

DATE: \_\_\_\_\_

## Utah System of Higher Education Program Description - Full Template

### Section I: The Request

Utah State University requests approval to offer the following Master's degree(s): Master of Public Health effective Fall 2017. This program was approved by the institutional Board of Trustees on **January 6, 2017**.

### Section II: Program Proposal

#### Program Description

*Present a complete, formal program description.*

The primary goal of the proposed Master of Public Health (MPH) graduate degree program at Utah State University is to provide students with a strong educational and research foundation in the core disciplines of public health including biostatistics, epidemiology, environmental health, sociobehavioral public health, and public health policy and administration, and specialized training in one of four MPH tracks that leverage unique aspects of the land grant status of Utah State University including: Public Health Nutrition, Health Education and Promotion, Veterinary Public Health, and Applied Biostatistics and Epidemiology. The curriculum and methods of teaching and research in the USU MPH program follow guidelines of the Council on Education for Public Health (<http://ceph.org/>) and the 2015 *Task Force Report on Framing the Future of Public Health* of the Association of Schools and Programs of Public Health <http://www.aspph.org/educate/framing-the-future/>. The MPH degree program will train students to be leaders in the field of Public Health by advancing education, research, practice, and advocacy. MPH graduates will be prepared for careers in health care professions, academic institutions, local, state, and federal health agencies, private industry, and non-profit organizations.

The field of Public Health is devoted to protecting and improving the health of individuals, families, communities, and populations at the local, national, and global levels. The Association of Schools and Programs of Public Health promotes the view that:

- (1) Public Health is *personal* in that "Public Health professionals focus on preventing disease and injury by promoting healthy lifestyles, implementing educational programs, developing policies, administering services, conducting research, and regulating health systems to achieve these goals" and
- (2) Public Health is *global* in that "the Public Health field confronts global health issues, such as improving access to health care, controlling infectious disease, and reducing environmental hazards, violence, substance abuse, and injury; it spans many disciplines and is regularly spotlighted in popular culture and media" and
- (3) Public Health focuses on *measurable impacts*, citing that "in the past century, public health initiatives have improved lives worldwide, including increasing life expectancy by almost 30 years in the United States; the development and application of population-based prevention programs will continue improving health over the next decades <http://www.aspph.org/discover/>."

The MPH program in Public Health Nutrition includes interdisciplinary training in nutrition-related sciences and the core public health disciplines. The major areas of emphasis include study of methods for quantifying dietary intake and nutritional status, the role of diet in disease risk and health promotion, and the design and implementation of nutrition policy and programs to improve health in local, national, and global populations. The land grant setting of Utah State University provides unique opportunities for the study of the relationship between human nutritional status and health with strong academic and research programs in nutritional epidemiology, federal and community nutrition programs, nutritional biochemistry and molecular biology, USU Extension nutrition outreach programs, food science, food safety, agricultural practices, animal health, climate change, and environmental sciences.

The MPH program in Health Education and Promotion emphasizes the behavioral, social and cultural factors related to individual and population health and health disparities over the life span. Teaching, research and practice in these areas contributes to the development, administration, and evaluation of programs and policies in public health and health services to promote and sustain healthy environments and healthy lives for individuals and populations. The land grant setting of Utah State University provides unique opportunities for the Health Education and Promotion MPH program to provide additional professional postgraduate training for employed persons in community health settings through the state-wide USU Regional

Campus System and Extension programs.

The MPH program in Veterinary Public Health builds on the program of the USU School of Veterinary Medicine by offering specialized training in the emerging Public Health discipline of *One Health*, defined by the U.S. Centers for Disease Control and Prevention as the approach of working with veterinarians, ecologists, and physicians to monitor and control public health threats by applying the core disciplines of Public Health and specialized knowledge of veterinary medicine to learn how diseases spread among people, animals and the environment (<https://www.cdc.gov/onehealth/>). The Land-Grant setting of USU provides unique resources for the Veterinary Public Health MPH program with the School of Veterinary Medicine, Agricultural Extension programs, diagnostic laboratories, Institute for Antiviral Research, and strong academic programs in climate sciences, ecology, and natural resources.

The MPH program in Applied Biostatistics and Epidemiology will provide rigorous training in study design and data analysis for population-based health research, to help investigators accurately assess and quantify population health outcomes, determine possible interventions and preventive measures, make data-based policy decisions, and monitor how necessary services or interventions achieve their desired goals. The Applied Biostatistics curriculum will provide competencies in the collection, management, and analysis of health-related surveys and experiments, with additional emphasis on the application of modern software and statistical methods for the increasingly large data sets that are becoming more common in public health and biomedicine. Courses in Applied Biostatistics will also focus on the collaborative nature of health research, encouraging written and oral communication skills and interactive projects involving students across disciplines.

### Consistency with Institutional Mission

*Explain how the program is consistent with the institution's Regents-approved mission, roles, and goals. Institutional mission and roles may be found at [higheredutah.org/policies/policyr312/](http://higheredutah.org/policies/policyr312/).*

The mission of Utah State University is to be one of the nation's premier student-centered land-grant and space-grant universities by fostering the principle that academics come first, by cultivating diversity of thought and culture, and by serving the public through learning, discovery, and engagement (<https://www.usu.edu/president/missionstatement/>). The Master of Public Health (MPH) graduate program will enhance this mission by contributing to many of the stated university mission goals including (1) enhancing the reputation of the University for learning, discovery, and engagement; (2) strengthening the recruitment, retention, graduation, and placement of graduate students; (3) building a socially and intellectually vibrant campus community, enhanced by the diversity of its faculty, staff, and students; (4) infusing new energy into graduate programs; (5) fostering new partnerships, both internally and externally.

There are numerous mission-based examples of other land grant institutions that have developed and currently offer Master of Public Health programs, including: Colorado State University, Louisiana State University, San Diego State University, Oregon State University, Ohio State University, Kansas State University, Idaho State University, Missouri State University, Penn State, and many others. As the land grant institution for the state of Utah, Utah State University is in a unique position to develop and deliver an MPH program with specialized tracks that can best meet the needs of rural and underserved regions of the state.

## Section III: Needs Assessment

### Program Rationale

*Describe the institutional procedures used to arrive at a decision to offer the program. Briefly indicate why such a program should be initiated. State how the institution and the USHE benefit by offering the proposed program.*

The need for public health trained professionals is on the rise. According to the American Public Health Association (APHA, 2011) 19% of the government related public health workforce jobs were lost in the economic downturn and countless more in the private sector. The aging and retirement of the public health workforce is also of concern. In addition, four out of five public health workers have no formal training in public health according to a study by the Centers for Disease Control and Prevention (APHA, 2011). However, the Affordable Care Act (ACA), recognizes the need for a larger and better trained public health workforce and includes several provisions to make this happen (APHA, 2011). These include, the public health workforce loan repayment program, mid-career training grants, and the fellowship training in public health program, to name a few. USU can

assist in filling this need for a well-trained public health workforce by offering the MPH degree to rural and underserved areas within the state of Utah.

There are many potential benefits to USU and to the USHE system associated with offering a multi-track, interdisciplinary MPH program. First, the MPH program will attract new students to the university, especially in the Regional Campus (RC) system where access to an MPH program has been limited or non-existent, which is consistent with the outreach mission of USU as a land grant institution. Second, the MPH program will be unique in offering four distinct MPH tracks that share a common public health curriculum core. The tracks will build essential professional skills across multiple, high demand public health disciplines. Finally, the MPH will be able to increase graduate program enrollments overall at USU and throughout the RC system which will strengthen the USU School of Graduate Studies.

## Labor Market Demand

*Provide local, state, and/or national labor market data that speak to the need for this program. Occupational demand, wage, and number of annual openings information may be found at sources such as Utah DWS Occupation Information Data Viewer ([jobs.utah.gov/jsp/wi/utalmis/gotoOccinfo.do](http://jobs.utah.gov/jsp/wi/utalmis/gotoOccinfo.do)) and the Occupation Outlook Handbook ([www.bls.gov/oco](http://www.bls.gov/oco)).*

Public Health Nutrition (Department of Nutrition, Dietetics, and Food Science, NDFS): Nutrition and dietetics students who complete a MPH degree in Public Health Nutrition can seek out diverse positions in public health that offer opportunities for leadership roles, professional development, and higher pay and benefits. Potential positions for MPH graduates include: public health nutritionist, nutritional epidemiologist, program coordinator, public health educator, executive director, and nutrition services supervisor to name a few. These positions can be found in a variety of governmental, academic, nonprofit and for profit settings including: state and local public health departments, colleges and universities, health care organizations such as Intermountain Health Care (IHC), Utah Department of Workforce Services, Women, Infants, and Children (WIC), food banks, food pantries, nutrition education programs such as SNAP-Ed and EFNEP, community action agencies, and anti hunger/poverty organizations, among many others. Registered Dietitians' (RD's) will be required to have a master's level degree to establish entry-level professional requirements starting in 2024. While the specific master's degree requirements are not yet specified, dietitians often work in public health and community settings and yet are not often adequately exposed to public health coursework or hands on experience in such settings during undergraduate dietetics coursework. The USU MPH will assist in helping recent USU dietetics students meet entry-level requirements while also providing valuable coursework that prepares them to work in a variety of public health settings. According to the US Bureau of Labor Statistics, the median pay for dietitians and nutritionists in the US is \$57,910 per year for 2015. The job outlook for 2014-2024 is 16% growth (much faster than average). The ten year employment projections for Utah is 3% annual change, higher than the US rate of 2.1%. Salary range for Utah in the Salt Lake City area is \$25,200-\$45,490 while for St. George area it is \$42,500-\$56,950. The Bear River area salary ranges from \$40,379-\$46,207 for 2014. The MPH degree is increasingly used as a stepping stone to medical or dental school when combined with a nutrition degree or other undergraduate science degree. For students interested in academic careers in public health, the MPH degree is excellent preparation for application to doctoral degree programs at a School of Public Health (<http://www.aspph.org/program-finder/>), including the Ph.D. program in public health at the University of Utah.

Health Education and Promotion (Department of Kinesiology and Health Science, Health Education and Promotion Track, HEP): Students seeking a MPH degree with a health education and promotion emphasis can pursue a wide variety of high demand, high paying occupational options. These include, epidemiologist/statistician, disaster and emergency specialist, medical and health services managers, public health educator, public health nurse, medical social workers, to name a few. According to the US Bureau of Labor Statistics, the median pay in 2015 for an epidemiologist was \$69,450 per year and typically requires a master's degree for an entry level position. The job outlook for 2014-2024 is 6% growth (as fast as average). Utah data were not available for epidemiologist, however, for a statistician (a similar job category) the Utah salary range is \$50,250-\$117,830 with a 10 year projected growth rate of 42%. In the Provo/Orem area the median salary is \$103,200 and for Salt Lake City it is \$69,440. Utah data for health educators show that the annual change rate for 2012-2022 is 3%, higher than the 1.9% for the US. The Utah median salary is \$42,300 with a bachelor's degree. Medical and health service managers in Utah earn a median salary of \$85,330 with a bachelor's degree. Utah data for medical and health service managers show that the annual change rate for 2012-2022 is 3.5%, higher than the 2.3% for the US. Healthcare social workers in Utah earn a median salary of \$54,890 with a master's degree. Utah data for healthcare social workers show that the annual change rate for 2012-2022 is 4%, higher than the 2.7% for the US. Emergency management directors in Utah have a projected annual change rate of 2012-2022 of 1.6% as compared to the US at .8%. Annual median salary for 2014 in Utah was \$64,230

with a bachelor's degree. It appears the demand in Utah for public health professionals is expecting higher than average growth rate. It is also expected that employers will seek out applicants with advanced training, such as the MPH degree which is considered more desirable than the MS degree in the health education profession.

Veterinary Public Health (Department of Animal, Dairy, and Veterinary Science, ADVS): Veterinarians who receive an MPH degree can increase their ability to become board certified in Veterinary Preventive Medicine as well as seek employment opportunities in local, state, and federal, agricultural and environmental agencies among others (University of Iowa). In addition, there is a great need for public health professionals who can address the issues of animal to human infectious disease transmission (zoonotic diseases), food safety concerns, and emergency response to such outbreaks (The Ohio State University). According to Jones et al. (Nature, February 2008, Global trends in emerging infectious diseases), emerging infectious diseases (EIDs) are a huge burden on global economies and public health. The authors identified 335 EIDs in global human populations between 1940 and 2005. These EID events have risen significantly over time and, of particular concern, 60.3% of EIDs are zoonotic diseases. Of the 60.3% that are zoonoses, 71.8% originate in wildlife. This emphasizes the important role that veterinarians may play in public health. Noteworthy examples of zoonotic EIDs include SARS (severe, acute respiratory syndrome), West Nile Virus, and Ebola virus. Veterinarians play a vital role in food safety because of the in depth knowledge of diseases such as Campylobacteriosis and Salmonellosis and the animals that may be infected and contaminate food supplies. According to the US Bureau of Labor Statistics, the median pay in 2015 for a veterinarian was \$88,490 in 2015 and requires a doctoral or professional degree. The job outlook for 2014-2024 is 9% growth (faster than average). In Utah the annual median pay was \$82,660 and a projected annual change rate of 2.7% as compared to 1.2% for the U.S. According to the U.S. Department of Labor Occupational Outlook Handbook and the School of Public Health Career Survey, the median salary for Public Health Veterinarians for graduates was \$60,000-70,000 with 27% of positions in hospitals and clinics, 27% in universities and colleges, 13% in U.S. federal agencies, 7% in the military, 7% in industry, and 20% in other settings.

Applied Biostatistics and Epidemiology (Department of Mathematics and Statistics): Students in Mathematics and Statistics who complete a MPH degree in Applied Biostatistics and Epidemiology can look forward to excellent career opportunities in government, industry, and academia. The shortage of biostatisticians has been noted for decades, beginning with reports such as *Health Objectives for the Nation* and the *Seventh Report to the President and Congress on the Status of Health Personnel in the United States*. More recently, the Bureau of Labor Statistics projects demand for statisticians to grow 27 percent nationwide by 2022, and a 2011 report from McKinsey Global Institute indicates there could be a shortage of 140,000-190,000 analytically skilled workers by 2018. Job prospects for new graduates with master's degrees in biostatistics are excellent. According to the most recent salary survey from the American Statistical Association, the interquartile range of starting salaries for master's-level biostatisticians is between about \$54,000 to \$106,000. Those hired with managerial responsibility or who work in industry (particularly biopharmaceuticals) receive more competitive offers. Recent graduates from the Statistics program at USU have found positions with employers as diverse as pharmaceutical companies, university research groups, hospitals, and health-related industries. However, more competitive job candidates in today's market need to broaden their expertise and improve their ability to communicate in an interdisciplinary setting.

## **Student Demand**

*Provide evidence of student interest and demand that supports potential program enrollment. Use Appendix D to project five years' enrollments and graduates. Note: If the proposed program is an expansion of an existing program, present several years enrollment trends by headcount and/or by student credit hours that justify expansion.*

Current undergraduate USU students in ADVS, HEP, and NDFS were surveyed about their interest in attending a USU MPH program in spring semester of 2016. It important to note that students have not been recruited into, or educated about the advantages of, an MPH degree at this point.

Public Health Nutrition: Seventy undergraduate NDFS students completed the graduate interest survey (44 dietetics students and 26 nutrition science students), 85% of which will be graduating in either 2016 or 2017. Eighty-six percent of students indicated an interest in pursuing graduate school at some point after completion of a bachelor's degree with 34% indicating they planned to apply to Utah State University. Of those who plan to apply to USU, 26% plan to pursue a Masters of Public Health. All students who indicated interest in pursuing an MPH degree were junior and senior dietetics students. When asked why they would select a Master's of Public Health students indicated because they are interested in international nutrition, advocacy of community health, and overall interest in the degree requirements.



Health Education and Promotion: A total of 62 HEP students completed the MPH interest survey. The majority planned on pursuing a graduate degree within 1-2 years of graduation (55%). The majority of HEP students were interested in an MPH degree with 36% indicating yes and 48% indicating maybe. Current students overall seem to have a strong interest in graduate education in general and the MPH specifically. The majority of students were interested in a blended/hybrid format (40%). Student's motivation to obtain an MPH degree include increased skill set (84%), increased salary (69%), and ability to apply to new professional positions (63%).

Veterinary Public Health: Of the ADVS students who responded (n=67), the majority of students were interested in obtaining an MPH at USU if offered, responding as maybe (67%) or yes (9%). The vast majority of ADVS students (82%) planned to begin a graduate program 1-2 years after graduation. Students desired a face-to face (54%) or a blended/hybrid (38%) program delivery format for the program. The majority of students stated they were likely or somewhat likely to apply if USU offered an MPH program. Students noted that increased prestige (92%), ability to apply for new professional positions (74%), and increased salary (66%) were motivators for pursuing the MPH degree.

With additional education and marketing concerning the value of an MPH degree, it is expected that student interest will increase beyond the level observed in these surveys.

**Professional Interest Data:** In addition to the student survey, NDFS, HEP, and ADVS programs sent out a Qualtrics survey to health professionals in Utah through various professional list serves, state organizations, industry, and coalitions to determine the interest in a USU MPH program.

Public Health Nutrition: One hundred and five nutrition and dietetics professionals across Utah were surveyed to determine interest in obtaining a Master of Public Health degree from Utah State University. Of the professionals surveyed, 22% indicated they are interested in obtaining a MPH degree in the future and 42% indicated they were maybe interested in the MPH degree. Eighty percent of the individuals who expressed that they either are or maybe interested in obtaining an MPH degree expressed interest in attending Utah State University for graduate school. Professionals were most interested in applying for an MPH program that is offered online (48%), or blended/hybrid (34%) as opposed to an in person program (2%). If an online program were offered, 36% indicated they would be extremely likely to apply and 43% indicated they would be somewhat likely to apply to USU. Professionals indicated that their motivation to obtain an MPH included: to broaden skill sets (82%), an ability to apply for new professional positions (51%), and an increase in earning potential (46%).

Health Education and Promotion: A total of 108 health education professionals responded to the survey with 78% indicating they were full-time employees at the time of the survey. Most worked in either a public health setting (29%) or health care/ clinical setting (37%). Of the 108 responding, 36% were interested in obtaining a MPH degree (n=40) while 27% indicated they were maybe interested (n=30). Both online only (46%) and blended/hybrid delivery (46%) were of most interest. Over half of the professionals indicated that their employer would offer tuition assistance (51%). Health professionals were interested in the MPH degree to increase salary (71%) and earning potential (70%), broaden skill set (70%), and an increased ability to apply for new professional positions (75%). If an online USU program were available, 43% noted they would be extremely likely to apply and 38% noted they would be somewhat likely to apply.

Veterinary Public Health: A total of 61 veterinarians responded to the survey. There are 346 veterinarians in the UVMA, for a response rate of 17.6%. A total of 17% were interested in obtaining an MPH while 40% indicated they may be interested. In terms of program delivery, 48% of responders were interested in fully online program and 45% were interested in a blended or hybrid format. Professionals would be motivated to obtain an MPH degree primarily to broaden their skill set (86%) and the ability to apply for new professional positions (66%).

## Similar Programs

*Are similar programs offered elsewhere in the USHE, the state, or Intermountain Region? If yes, identify the existing program(s) and cite justifications for why the Regents should approve another program of this type. How does the proposed program differ from or compliment similar program(s)?*

Within the intermountain west region, only the Colorado School of Public Health (CSPH) offers MPH tracks similar to those in this proposal, including health promotion/community health, public health nutrition, applied biostatistics, epidemiology, and animals, people, and the environment (e.g., vet science) along with 10 other track options. CSPH also offers both face to face

and online degree programs. In terms of the intermountain west region, Idaho State University offers a general MPH degree. In corresponding with Dr. Elizabeth Fore, the ISU MPH director, she noted that their program is a generalist program with no distinct track offerings. The program is an online only program. In terms of capping the program they keep the program at 1:10 FTE student faculty ration and have 3 full-time faculty with approximately 40 part time students enrolled at any one time. Between the academic years of 2012-2015 the applicant pool ranged from 33-22 with acceptance rates ranging from 8-16. Enrollment rates ranged from 7-10 between the academic years of 2012-2015. According to the most recent ISU self-study (2015) as of 2015 the ISU MPH program has been approved to be a Western Regional Graduate Program and hopes to recruit qualified students outside of Idaho.

In Utah, the University of Utah, Brigham Young University and Westminster currently offer the MPH degree. The University of Utah is the only USHE institution to offer the MPH degree. The U of U offers a general MPH program and several joint programs. These include the MD/MPH, MHA/MPH, MPA/MPH, MPP/MPH, and the MSW/MPH. In addition, they offer two graduate certificates, one in public health and another in global health. They also offer a Master's of Science in Public Health (MSPH) for those interested in research/thesis option and a PHD in public health. The most recent self-study (2014, p.161) indicates for the general MPH program (vs. the joint programs noted above) that approximately 39-55 students were accepted into the program for 2011-2014 each year and 26-39 students enrolled, depending on the year. The applicant pool ranged from 49-69 for 2011-2014. As of 2016, the MPH program has been approved to be a Western Regional Graduate Program. An initial meeting was held with the U of U MPH leadership team on August 9, 2016. The outcome of the meeting was positive with support expressed for the USU MPH proposal. Meetings are being scheduled between U of U and USU MPH leaders and faculty to exchange ideas and look for ways to collaborate, promote educational efficiencies, and avoid duplication of services. The two programs will be complementary in serving different audiences with different needs.

In speaking with Dr. Carl Hansen, the department head and the director of the MPH program at Brigham Young University (BYU), it was confirmed that BYU's MPH is a general program with a focus on health promotion. Students already accepted into the program can work toward a global health certificate should they chose to do so. Due to the school mandate that BYU focus on undergraduate education, the university caps the MPH to no more than 17 students admitted per year out of 40-50 applications. In addition, typical student acceptance rate per year is between 12-13 based on acceptance criteria with another 5 students wait-listed if the initial applicants do not attend. The BYU MPH program only offers face to face delivery and has no current plans to expand to online instruction.

Westminster College offers a general MPH degree and a Certificate in Public Health. Based on the most recent Council on Education for Public Health (CEPH) self-study (2011, p.134) for 2008-2011 application rates ranged from a high of 24 to a low of 15. Acceptance rates ranged from 24-14 and enrollment rates ranged from 22-13 for these same years.

USU is in a unique position to offer a valued and needed professional degree to citizens throughout rural and underserved areas of Utah by fully taking advantage of USU's Regional Campus system. Students and professionals surveyed are very interested in a distance education based MPH program with specialized tracks in public health nutrition, health education and promotion, veterinary public health, and applied biostatistics and epidemiology.

### **Collaboration with and Impact on Other USHE Institutions**

*Indicate if the program will be delivered outside of designated service area; provide justification. Service areas are defined in [higher.utah.gov/policies/policyr315/](http://higher.utah.gov/policies/policyr315/). Assess the impact the new program will have on other USHE institutions. Describe any discussions with other institutions pertaining to this program. Include any collaborative efforts that may have been proposed.*

The designated service areas for Utah State University include Cache, Rich, Box Elder, Duchesne, Uintah, Daggett, Tooele, Emery, Carbon, Grand, and San Juan counties. It is noted in section 4.1 of the R315 Service Area Principles that, "selected off-campus graduate programs are offered by universities at centers and branch campuses through university centers and distance learning technologies." In that spirit, USU maintains education centers in all Utah counties where non-duplicative, distance delivered graduate and undergraduate degree programs are offered per R315 policy. USU will coordinate with other USHE institutions to offer the MPH in their service regions as appropriate and in accordance with R315. Based on input from prospective students (especially those who are already working professionals) it is probable that the delivery mode will need to be fully online for some tracks. In section 4.8.1 of the Service Area Principles it further states, "Courses or programs delivered via technology in asynchronous faculty-student interaction (fully 'on-line' programs) are exceptions to the geographic service

area designations.”

The proposed USU MPH program will have little impact on the University of Utah's ability to recruit and retain high quality MPH students for several reasons. First, it appears that BYU and Westminster having MPH programs in the Wasatch Front area has had little to no impact on student enrollment at the U of U with recent enrollment rates ranging from 39-26 for 2011-2014 with no significant decline (Self -study, 2014). Second, the USU program will be a Regional Campus program and thus be able to recruit students from our designated service areas that the U of U traditionally does not support. Third, U of U, BYU, ISU, and Westminster all offer a general MPH program. Finally, it is hoped that the USU MPH program will become a meaningful feeder program into the U of U's PhD program in Public Health. We are proposing a track based program in the areas of public health nutrition, health education and promotion, veterinary public health, and applied biostatistics and epidemiology. We anticipate this will attract students who are interested in one of these specialized MPH tracks that do not have access to a similar program.

### External Review and Accreditation

*Indicate whether external consultants or, for a career and technical education program, program advisory committee were involved in the development of the proposed program. List the members of the external consultants or advisory committee and briefly describe their activities. If the program will seek special professional accreditation, project anticipated costs and a date for accreditation review.*

Professional accreditation will be sought through the Council on Education for Public Health (CEPH). Based on CEPH criteria, the USU MPH program could not apply for accreditation until the program has been accepting students for a minimum of three years. Upon accreditation, students having attended and graduated from the USU program would be retroactively considered to be graduates from an accredited program. As of 2016 the CEPH fee schedule is as follows:\*

Application Fee: \$2500

Accreditation Review Fee: \$3000

Annual Support Fee: \$3275

Consultation Visit Fee: \$750-\$1750

\*Cost may increase if additional reviews or consultations are needed.

Prior to obtaining full accreditation, USU will join the Association of Accredited Public Health Programs (AAPHP) as an associate member. The mission of AAPHP is to "enhance the public's health by fostering and promoting CEPH accreditation for MPH programs for the development of the public health workforce" ([www.aapHP.org](http://www.aapHP.org)). AAPHP will provide numerous consulting and mentoring resources as USU moves toward full CEPH accreditation.

Annual Dues for AAPHP Membership: \$500

## Section IV: Program Details

### Graduation Standards and Number of Credits

*Provide graduation standards. Provide justification if number of credit or clock hours exceeds credit limit for this program type described in R401-3.11, which can be found at [higheredutah.org/policies/R401](http://higheredutah.org/policies/R401).*

Graduation standards and required number of credits will be consistent with accreditation expectations established by the Council on Education for Public Health (CEPH). It is noted that CEPH accreditation standards will be revised in the fall of 2016, and that the USU MPH program will adapt accordingly to those changes. In accordance with current CEPH standards, students in the USU MPH program will be required to complete 42 semester credit hours. All students will complete a common 15 credit public health core, and in addition will complete 15-18 required credits within a selected track (health promotion and education, nutrition and dietetics, veterinary public health, or applied biostatistics and epidemiology) and 9-12 credits of electives within the selected track. A 3.0 GPA or higher, and successful completion of appropriate coursework and capstone experiences will be required for graduation.

## Admission Requirements

*List admission requirements specific to the proposed program.*

Students must meet some departmental requirements, in addition to requirements of the School of Graduate Studies, as shown at: <http://www.usu.edu/graduateschool/apply/>. Applicants must attain Graduate Record Examination (GRE) scores at the 40th percentile minimum on the Verbal, Quantitative, and Analytical Writing tests, and must have a 3.0 or higher GPA for the last 60 semester (90 quarter) credit hours. Once admitted, students are required to maintain enrollment as follows: Registered for 9 or more graduate credits or enrollment in at least 3 credits per semester in order to use University facilities and receive direction (including thesis or project report direction) from their major professor. Enrollment in at least 6 credits per semester if receiving an assistantship or fellowship from Utah State University.

Candidates for MPH graduate study must have adequate undergraduate training for the specific departmental MPH program they are applying to and must meet departmental requirements, in addition to requirements of the School of Graduate Studies, as shown at: <http://www.usu.edu/graduateschool/apply/>. The Public Health Nutrition MPH in the Department of Nutrition, Dietetics, and Food Sciences requires an undergraduate background in chemistry, biochemistry, mathematics, statistics, biology and nutrition. The Health Education and Promotion MPH in the Department of Kinesiology and Health Sciences requires an undergraduate degree with a background in program planning and evaluation, epidemiology, community health, and statistics. The Veterinary Public Health MPH in the Department of Animal, Dairy and Veterinary Sciences requires either an undergraduate degree with a background in biochemistry, chemistry, biology, mathematics, statistics, and animal disease, or a Doctor of Veterinary Medicine degree from an accredited veterinary college. The Applied Biostatistics and Epidemiology track in the Department of Mathematics and Statistics accepts students with an undergraduate degree in statistics, mathematics, or a wide variety of other disciplines, including the biological and social sciences. An advanced undergraduate class in probability and mathematical statistics and a class in linear algebra are desirable.

Prior coursework in public health is desirable for each of the MPH programs. Students may be accepted into the MPH graduate program with deficiencies in these areas; however, their supervisory committee will require that competencies equivalent to a BS degree in the department of study be obtained as part of the Program of Study.

## Curriculum and Degree Map

*Use the tables in Appendix A to provide a list of courses and Appendix B to provide a program Degree Map, also referred to as a graduation plan.*

## Section V: Institution, Faculty, and Staff Support

### Institutional Readiness

*How do existing administrative structures support the proposed program? Identify new organizational structures that may be needed to deliver the program. Will the proposed program impact the delivery of undergraduate and/or lower-division education? If yes, how?*

A twelve month MPH Director position will be established. The Director will have responsibility for program administration, accreditation, program marketing, faculty support, enrollment and retention initiatives, and other duties (65% administration, 25% teaching, 10% service). The MPH Director will be a tenured faculty member in one of the participating departments with a direct reporting line to the Deans of the Emma Eccles Jones College of Education and Human Services, the College of Agriculture and Applied Sciences, and the College of Science. A MPH Program Coordinator position will be established for each track (Public Health Nutrition, Health Education and Promotion, Veterinary Public Health, and Applied Biostatistics and Epidemiology) and together the Coordinators will form a MPH Steering Committee. The Steering Committee will work directly with the MPH Director to ensure overall program rigor, cohesiveness, institutional integration, and compliance with accreditation and institutional expectations. To promote coordination and system wide program cohesiveness, the MPH Director will regularly report to Deans and Department Heads of participating colleges and departments, and to the Vice President for Research and Graduate Studies. The MPH Director will be supported by a full-time staff assistant.

Current administrative structures that support graduate programs, including support from the Office of Research and Graduate Studies as well as college and departmental infrastructures that are already in place will also be used to support this program. The four proposed MPH tracks will be integrated, interdisciplinary programs with faculty assignments and supervision, course scheduling, and other functions administered through the departments of (1) Nutrition, Dietetics, and Food Sciences, (2) Kinesiology and Health Science, (3) Animal, Dairy, and Veterinary Sciences, and (4) Mathematics and Statistics. Staff resources for graduate program coordination are already in place within each participating department. The proposed MPH tracks will have minimal impact on the delivery of undergraduate courses within participating departments. Some of the courses currently being taught, that will be part of this program, are open to advanced undergraduate students but this slight increase in offerings for undergraduates will be the only impact on undergraduate programs.

## Faculty

*Describe faculty development activities that will support this program. Will existing faculty/instructions, including teaching/graduate assistants, be sufficient to instruct the program or will additional faculty be recruited? If needed, provide plans and resources to secure qualified faculty. Use Appendix C to provide detail on faculty profiles and new hires.*

Across the USU system there are numerous faculty and courses in place that are consistent with MPH program expectations. A concerted effort has been made over the past year to identify and assess faculty expertise and interest in participating in the proposed MPH program. Overall, the level of enthusiasm has been very high. Existing faculty are detailed in Appendix C.

After of careful review of institutional capacity, it has been determined that four new faculty lines will be necessary to fully cover all program content/learning competencies expected of MPH programs. All four new faculty hires will hold terminal degrees and be tenure track appointments. The new faculty will provide expertise in: Health Administration/Systems; Population Health; Dietetics and Nutrition; and Veterinary Public Health.

## Staff

*Describe the staff development activities that will support this program. Will existing staff such as administrative, secretarial/clerical, laboratory aides, advisors, be sufficient to support the program or will additional staff need to be hired? Provide plans and resources to secure qualified staff, as needed.*

It will be essential to establish a MPH Director position for this program. Data collection, self-studies, marketing, recruitment, retention, and other duties associated with accreditation and institutional expectations will be substantial. It is proposed that a current faculty member move from a 9 month academic year appointment to a 12 month fiscal year appointment to assume these duties. The reduced teaching load for this faculty member can be covered through a combination of existing resources and new faculty lines.

Advising, lab aides, and other support functions associated with delivery of the MPH program will be provided by existing staff within participating colleges and departments. It is anticipated that one new full-time staff assistant will be needed to support the MPH Director in relation to program administration, data collection, marketing, accreditation management, and other duties.

## Student Advisement

*Describe how students in the proposed program will be advised.*

Each MPH student will be assigned a major professor in the student's discipline. The major professor along with two other USU MPH graduate faculty members will comprise a Supervisory Committee that will advise and approve the student's program of study, supervise the student's progress, oversee practicum and field work experiences, and conduct final capstone assessments of the student's work.

## Library and Information Resources

*Describe library resources required to offer the proposed program if any. List new library resources to be acquired.*

No additional library resources will be needed to support the MPH program. Key journals in the core disciplines of Public Health and related fields are available digitally at USU's library including biostatistics, epidemiology, environmental health, health behavior, health care policy and economics, biology, veterinary sciences, and medicine. Students and faculty also have rapid access to publications via interlibrary loan and internet resources.

## Projected Enrollment and Finance

*Use Appendix D to provide projected enrollment and information on related operating expenses and funding sources.*

## Section VI: Program Evaluation

### Program Assessment

*Identify program goals. Describe the system of assessment to be used to evaluate and develop the program.*

The MPH program will be administered by an MPH Director, and a MPH Steering Committee made up of MPH Program Coordinators from each participating department. To ensure that the program is successful, the MPH Director and Steering Committee will utilize the following standards and assessments in the development, administration, and ongoing evaluation of the program:

The USU MPH program will seek accreditation through the Council on Education for Public Health (CEPH). The accreditation criteria (as of 2011) can be found at <http://ceph.org/assets/SPH-Criteria-2011.pdf>. It is noted that CEPH accreditation criteria are currently undergoing revision with new criteria to be released in the fall of 2016. The USU MPH program will adhere to the new criteria upon release. CEPH is the only independent agency recognized to accredit graduate schools and programs of public health. The USU MPH program will be accredited as a program with multiple tracks rather than as a school of public health. The public health school or program must be part of an institution of higher education that is itself accredited. Utah State University is accredited by the Northwest Commission on Colleges and Universities (NWCCU). As part of the accreditation process, the program will go through an intense CEPH review process that will include an exhaustive self-study, site visits, consultations, and five-year re-accreditation reviews.

The Curriculum Committee of each department is involved in course development and evaluation on an ongoing basis. Input from the faculty of each department will be sought by the Curriculum Committee to ensure that courses and curricula are adjusted as needed to meet the current skills and training required by those industries and institutions hiring graduates of USU MPH programs.

The Graduate Programs Committee in each department will perform a comprehensive review of the MPH program at approximately 5 year intervals as mandated by the School of Graduate Studies. The reviews will include surveys of current students, alumni, and employers of MPH graduates and reviews of comparable institutions.

In accordance with the Utah State Board of Regents Policy R411, departmental reviews will be periodically conducted to assess and improve educational standards. The MPH program would be subject to the same reviews. The USU Provost's Office will administer the review and there are two components to the review: a department self-study and an on-site department visit by an accreditation team. The department self-study will be at least once every 7 years and will include missions and goals, program descriptions, all degrees offered, support functions and outreach efforts. The review committee will consist of at least one Utah State University faculty member and two, off-campus experts in the departmental discipline under review.

Each department at USU has instituted the policy of having every course evaluated by students each time it is offered. Each course taught in the MPH program will be subject to the same student assessment. The IDEA system of course and teacher evaluation is used by Utah State University. It was implemented in 2011. It is a statistical, science-based assessment program that relies on an extensive, nationwide repository of course evaluation data. The system allows students to evaluate the quality of the course, the teacher, and the perceived progress toward instructor-selected course objectives. The IDEA system takes the raw course evaluation scores as input values and converts them to a normalized evaluation score by comparing to other course evaluations from the nationwide IDEA database. A score of 50 is average (scores between 45 and 55 are statistically identical and 40 % of courses are in this category). Courses with scores below 45 are below average (30% of courses) and courses with scores above 55 are above average (the final 30% of courses).

In addition, each graduating MPH student will be asked to take an exit survey via Qualtrics. The department head of each department in which there are MPH students will conduct an oral exit interview at or around the time that the students finish their degree.

Each department may also choose to have periodic Program Coordinator meetings (weekly or biweekly, for example) to evaluate the effectiveness of the MPH program on an ongoing basis.

### **Student Standards of Performance**

*List the standards, competencies, and marketable skills students will have achieved at the time of graduation. How and why were these standards and competencies chosen? Include formative and summative assessment measures to be used to determine student learning outcomes.*

Core and elective courses are being developed according to current CEPH guidelines, and will also be responsive to the new accreditation criteria that will be released in fall 2016. As currently conceptualized by CEPH, competencies in the five traditional core areas of public health (the core courses that all MPH students take), and seven interdisciplinary/cross-cutting areas, are the baseline skills in which graduating MPH students will be required to demonstrate competence. The five core areas are biostatistics, environmental health, epidemiology, health policy and management, and social and behavioral sciences. The seven interdisciplinary areas are communication and informatics, diversity and culture, leadership, professionalism, program planning, public health biology, and systems thinking. A document produced by the Association of Schools and Programs in Public Health (ASPPH) describes in detail the competencies to be mastered in each core and interdisciplinary area ([http://www.aspph.org/app/uploads/2014/04/Version2.31\\_FINAL.pdf](http://www.aspph.org/app/uploads/2014/04/Version2.31_FINAL.pdf)). Following CEPH and ASPPH guidelines, a comprehensive course/competency matrix will be used to ensure that each competency is adequately covered within the USU MPH curriculum, and to develop evaluative methods for demonstrating mastery for each competency. As appropriate, formative and summative assessment measures for each competency may include: mastery exams, class performance, evaluations and assignments, practicum evaluations, focus groups, presentations, fieldwork, and surveys.

A very important part of the MPH program is the practicum project. The project is expected to take place in the second year of the MPH at the earliest with occasional exceptions. The practicum project may take place after the student works with their advisor to pick an appropriate project of public health significance. A minimum of 200 hours of work on the project is required. A written proposal will be submitted to the student's Supervisory Committee before the student works on the project. At the end of the project, the student will present an oral or poster presentation of the project and will write a paper describing it. Off-campus students may present the project via IVC or at USU distance learning sites. In some cases, a research and thesis option is available to the student. This depends on the department and must be approved by the student's Supervisory Committee of and the USU graduate school.

Upon completion of the USU MPH, students will be fully qualified for professional level employment within their respective public health discipline.

## Appendix A: Program Curriculum

List all courses, including new courses, to be offered in the proposed program by prefix, number, title, and credit hours (or credit equivalences). Indicate new courses with an X in the appropriate columns. The total number of credit hours should reflect the number of credits required to be awarded the degree.

For variable credits, please enter the minimum value in the table for credit hours. To explain variable credit in detail as well as any additional information, use the narrative box at the end of this appendix.

	Course Number	NEW Course	Course Title	Credit Hours
General Education Courses (list specific courses if recommended for this program on Degree Map)				
General Education Credit Hour Sub-Total				
Required Courses				
+ -			MPH CORE COURSES	
+ -	NDFS 6200		Epidemiologic Methods	3
+ -	STAT 5500		Biostatistics Methods	3
+ -	ADVS 6XXX	X	Environmental Health	3
+ -	HEP 6200	X	Health Administration and Organizations	3
+ -	HEP 6800		Health Behavior	3
Choose _____ of the following courses:				
+ -				
+ -				
Required Course Credit Hour Sub-Total				15
Elective Courses				
+ -				
Choose _____ of the following courses:				
+ -				
+ -				
Choose _____ of the following courses:				
+ -				
+ -				
Elective Credit Hour Sub-Total				0
Core Curriculum Credit Hour Sub-Total				15

Can students complete this degree without emphases? Yes or  No

	Course Number	NEW Course	Course Title	Credit Hours
Name of Emphasis:			Public Health Nutrition	
+ -	NDFS 6210		Advanced Public Health Nutrition	3
+ -	NDFS 6600		Current Topics in Obesity	3



	Course Number	NEW Course	Course Title	Credit Hours
+ -	NDFS 6230		Communication of Current Topics in Nutrition	3
+ -	NDFS 7800		Graduate Seminar	1
+ -	NDFS 6970/6900		Thesis Research or Special Problems MPH Capstone Report	6
+ -	NDFS 6XXX	×	Public Health Seminar	2
Choose 4 of the following courses:				
+ -	NDFS 6XXX	×	Food Security and Hunger	1
+ -	NDFS 6XXX	×	Nutritional Neurobiology	3
+ -	NDFS 6410		Nutrient Gene Interaction	3
+ -	NDFS 5310		Fundamentals of Nutrition Research	3
+ -	HEP 6000	×	Advanced Program Planning and Evaluation	3
+ -	HEP 5400		Prevention Strategies for Obesity and Disordered Eating	3
+ -	HEP 6400	×	Policy, Leadership, Systems, and Advocacy in Public Health	3
+ -	HEP 6350	×	Social Determinants of Health	3
+ -	NDFS 6XXX	×	Counseling and Motivational Interviewing for Health Professionals	3
+ -	STAT 6XXX	×	Statistical Methods for Big Data	2
+ -	STAT 5XXX	×	SAS Certification	2
+ -				
<b>Emphasis Credit Hour Sub-Total</b>				<b>26</b>
<b>Total Number of Credits to Complete Program</b>				<b>41</b>
Remove this emphasis				

	Course Number	NEW Course	Course Title	Credit Hours
Name of Emphasis:			Health Education and Promotion	
+ -	HEP 6000	×	Advanced Program Planning and Evaluation	3
+ -	HEP 6400	×	Policy, Leadership, Systems, and Advocacy in Public Health	3
+ -	HEP 6350	×	Social Determinants of Health	3
+ -	HEP 6550	×	Qualitative Methods for Public Health	3
+ -	HEP 6450	×	Social Epidemiology	3
+ -	HEP 6600/HEP6970	×	Practicum or Thesis	3

	Course Number	NEW Course	Course Title	Credit Hours
Choose 5 of the following courses:				
+ -	HEP 5200		Foundations of Global Health	3
+ -	ADVS 6XXX	×	One Health: People, Animals, and the Environment	3
+ -	NDFS 6600		Current Topics in Obesity	3
+ -	ADVS 6XXX	×	Introduction to Public Health	3
+ -	ADVS 6XXX	×	New and Emerging Diseases	3
+ -	STAT 5XXX	×	Introduction to R	1
+ -	MGT 6500		Managing Individuals and Groups	3
+ -	STAT 5XXX	×	SAS Certification	2
+ -	STAT 6XXX	×	Bioinformatics	2
+ -	STAT 6XXX	×	Statistical Methods for Big Data	2
+ -	NDFS 6XXX	×	Food Insecurity and Hunger	1
+ -	NDFS 6XXX	×	Counseling and Motivational Interviewing for Health Professionals	3
+ -				
<b>Emphasis Credit Hour Sub-Total</b>				26
<b>Total Number of Credits to Complete Program</b>				41
Remove this emphasis				

	Course Number	NEW Course	Course Title	Credit Hours
Name of Emphasis:			Veterinary Public Health	
+ -	ADVS 6XXX	×	One Health: People, Animals and the Environment	3
+ -	ADVS 6XXX	×	Introduction to Public Health	3
+ -	ADVS 6XXX		Zoonotic Diseases	3
+ -	ADVS 6XXX	×	MPH Practicum or Thesis	3
Choose 6 of the following courses:				
+ -	ADVS 6XXX	×	Ecology	1
+ -	ADVS 6XXX	×	Genetics & Epigenetics of Cancer and Aging	3
+ -	ADVS 6XXX	×	Developmental & Reproductive Toxicology	3
+ -	ADVS 7236/VM 7536		Veterinary Bacteriology	4
+ -	ADVS 6XXX	×	Applied Veterinary Epidemiology	3
+ -	ADVS 6XXX	×	New and Emerging Diseases	3
+ -	STAT 5XXX/6XXX	×	Bioinformatics	2
+ -				
<b>Emphasis Credit Hour Sub-Total</b>				29
<b>Total Number of Credits to Complete Program</b>				44
Remove this emphasis				

	Course Number	NEW Course	Course Title	Credit Hours
	Name of Emphasis:		Applied Biostatistics and Epidemiology	
+ -	STAT 5XXX	×	Introduction to R	1
+ -	STAT 6XXX	×	Advanced R	2
+ -	STAT 5XXX	×	SAS Certification	2
+ -	STAT 5XXX/6XXX	×	Longitudinal Data and Survival Analysis	2
+ -	STAT 6XXX	×	Thesis/Capstone	6
Choose 7 of the following courses:				
+ -	STAT 5120		Categorical Data Analysis	3
+ -	STAT 5XXX/6XXX	×	Statistical Genetics	2
+ -	STAT 5XXX/6XXX	×	Bioinformatics	2
+ -	STAT 5600		Multivariate Data Analysis	3
+ -	STAT 5XXX	×	Data Visualization 1	2
+ -	STAT 6XXX	×	Data Visualization 2	2
+ -	STAT 5100		Applied Regression	3
+ -	STAT 5XXX/6XXX	×	Statistical Methods for Big Data	2
+ -				
<b>Emphasis Credit Hour Sub-Total</b>				29
<b>Total Number of Credits to Complete Program</b>				44
Remove this emphasis				

### Program Curriculum Narrative

*Describe any variable credits. You may also include additional curriculum information.*

The MPH degree is designed to meet the accreditation requirements of the Council on Education for Public Health (CEPH, at <http://ceph.org/>) The MPH requires a minimum of 42 semester credit hours including 15 credits of required core courses, common to all degree options, departmental required courses, elective courses, seminars, and credits for the Plan A, Plan B, or Professional degree options described below. (Discrepancies in required credit hours as listed above in Appendix A for each track are a function of the table formulas, but all tracks will require at least 42 semester credits.)

Text of options below were reviewed and approved by Assoc. Dean Richard Inouye, May 4, 2016:

**Plan A option:** requires preparation of a thesis, and 6 to 15 thesis credits are required. The semester(s) during which a student registers for thesis credit should correspond as closely as possible to the semester(s) in which the thesis work is done and faculty supervision is provided. The thesis for a Plan A master's degree is to be a contribution to the field of knowledge based on the student's own research, or a treatment and presentation of known subject matter from a new perspective. The student and major professor should decide upon a problem or subject for the thesis study by the end of the student's second semester of graduate study.

**Plan B option:** requires the production of a scholarly paper and completion of 2-3 credits of thesis research. The Plan B paper is usually a review of literature based on inquiry, systematic research, and analytic critique of the findings. The summary and conclusions developed should enhance knowledge in the discipline. Plan B papers and reports should follow the same format specifications as theses and dissertations and are expected to reflect equivalent scholarship standards, even though they may be less intensive and not demand the originality of a Plan A thesis. Plan B papers are defended but are not reviewed by the

Graduate School or signed by the dean of graduate studies. Plan B papers must be submitted to the Merrill-Cazier Library.

**Professional degree:** A master's degree option with no thesis or Plan B paper is available. Those seeking professional degrees must complete a supervised field or professional experience, write a capstone paper about it, and give a presentation on it to the department in which the student is enrolled. Students should contact their advisor early in their program to outline an acceptable project and to be certain that all degree requirements will be met and that all appropriate paperwork has been sent to the School of Graduate Studies.

It is anticipated that the majority of USU MPH students will choose the Professional degree option.

## **Degree Map**

*Degree maps pertain to undergraduate programs ONLY. Provide a degree map for proposed program. Degree Maps were approved by the State Board of Regents on July 17, 2014 as a degree completion measure. Degree maps or graduation plans are a suggested semester-by-semester class schedule that includes prefix, number, title, and semester hours. For more details see <http://higheredutah.org/pdf/agendas/201407/TAB%20A%202014-7-18.pdf> (Item #3).*

*Please cut-and-paste the degree map or manually enter the degree map in the table below.*

## Appendix C: Current and New Faculty / Staff Information

### Part I. Department Faculty / Staff

Identify # of department faculty / staff (headcount) for the year preceding implementation of proposed program.

	# Tenured	# Tenure -Track	# Non -Tenure Track
Faculty: Full Time with Doctorate	54	20	16
Faculty: Part Time with Doctorate	3	0	0
Faculty: Full Time with Masters	4	0	13
Faculty: Part Time with Masters	0	0	1
Faculty: Full Time with Baccalaureate	0	0	2
Faculty: Part Time with Baccalaureate	0	0	0
Teaching / Graduate Assistants			104
Staff: Full Time			71
Staff: Part Time			21

### Part II. Proposed Program Faculty Profiles

List current faculty within the institution -- with academic qualifications -- to be used in support of the proposed program(s).

	First Name	Last Name	Tenure (T) / Tenure Track (TT) / Other	Degree	Institution where Credential was Earned	Est. % of time faculty member will dedicate to proposed program.	If "Other," describe
Full Time Faculty							
	Craig	Day	Other	PhD	Utah State University	18%	Research Fa
	Jane	Kelly	Other	DVM, MS, M	North Carolina State, USU, U. of Iowa	20%	Clinical Assc
	Ralph	Meyer	T	PhD	U Kaiserslautern; German Cancer Research Center	15%	Associate Pr
	Mirella	Meyer	Other	PhD	Ederhard Karls Univ	40%	Research Fa
	Kerry	Rood	T	MS, DVM	Utah State University, Kansas State University	10%	Associate Pr
	Bart	Tarbet	T	DVM	University of Delaware	20%	Research As
	Young-Min	Lee	TT	PhD	Johns Hopkins University	15%	Research As
	Zhongde	Wang	TT	PhD	University of Massachusetts	25%	Associate Pr
	Julie	Gast	T	PhD	Southern Illinois Univ. at Carbondale	30%	Professor
	Steve	Hawks	T	EdD	Brigham Young University	15%	Professor
	Phillip	Waite	T	PhD	University of Utah	15%	Professor
	Maya	Miyairi	TT	Phd	University of Utah	5%	Assistant Pr
	Travis	Peterson	T	PhD	Brigham Young University	5%	Professor
	Christopher	Corcoran	T	ScD	Harvard University	10%	Professor
	Richard	Cutler	T	PhD	University of California, Berkeley	15%	Professor
	Adele	Cutler	T	PhD	University of California, Berkeley	20%	Professor
	John	Stephens	T	PhD	Purdue	15%	Professor
	Sheryl	Aguilar	TT	RD, MS		25%	Clinical Assi
	Martha	Archuleta	T	RD, PhD		20%	Professor

	First Name	Last Name	Tenure (T) / Tenure Track (TT) / Other	Degree	Institution where Credential was Earned	Est. % of time faculty member will dedicate to proposed program.	If "Other," describe
	Clara	Cho	TT	PhD	University of Toronto, Cornell Univ.	25%	Assistant Pr +
	Carrie	Durward	TT	RD, PhD	Penn State University	25%	Assistant Pr +
	Korry	Hinze	T	PhD	North Dakota State University	25%	Associate Pr +
	Ronald	Munger	T	MPH, PhD	University of Washington	75%	Professor
	Michael	LeFevre	T	PhD	University of California, Davis	20%	Professor
	Mateja	Savoie-Roskos	TT	RD, MPH, P +	University of North Dakota, Idaho State University, Utah State University	50%	Clinical Assi +
	Tamara	Steinitz	T	RD, MS	Utah State University	20%	Clinical Assc +
	Heidi	Weingreen	T	RD, PhD	Utah State University	40%	Associate Pr +
	Daniel	Coster	T	PhD	University of California, Berkeley	5%	Professor
	Guifang	Fu	TT	PhD	Penn State University	10%	Assistant Pr +
	Juergen	Symanzik	T	PhD	Iowa State	15%	Professor
Part Time Faculty							

Part III: New Faculty / Staff Projections for Proposed Program

Indicate the number of faculty / staff to be hired in the first three years of the program, if applicable. Include additional cost for these faculty / staff members in Appendix D.

	# Tenured	# Tenure -Track	# Non -Tenure Track	Academic or Industry Credentials Needed	Est. % of time to be dedicated to proposed program.
Faculty: Full Time with Doctorate		4		Health Administration/Management TT Logan (KHS, year 1); +	100
Faculty: Part Time with Doctorate					
Faculty: Full Time with Masters					
Faculty: Part Time with Masters					
Faculty: Full Time with Baccalaureate					
Faculty: Part Time with Baccalaureate					
Teaching / Graduate Assistants					
Staff: Full Time	1		1	MPH Director (tenured); Program Staff Assistant	100
Staff: Part Time					

## Appendix D: Projected Program Participation and Finance

### Part I.

*Project the number of students who will be attracted to the proposed program as well as increased expenses, if any. Include new faculty & staff as described in Appendix C.*

Three Year Projection: Program Participation and Department Budget						
	Year Preceding Implementation	New Program				
		Year 1	Year 2	Year 3	Year 4	Year 5
<b>Student Data</b>						
# of Majors in Department	3,119	3,213	3,309	3,408	3,510	3,615
# of Majors in Proposed Program(s)	////	15	45	60	60	60
# of Graduates from Department	488	503	518	533	549	566
# Graduates in New Program(s)	////		15	30	30	30
<b>Department Financial Data</b>						
	Department Budget					
	Year Preceding Implementation (Base Budget)	Year 1	Year 2	Year 3		
		Addition to Base Budget for New Program(s)	Addition to Base Budget for New Program(s)	Addition to Base Budget for New Program(s)		
<i>Project additional expenses associated with offering new program(s). Account for New Faculty as stated in Appendix C, "Faculty Projections."</i>						
<b>EXPENSES – nature of additional costs required for proposed program(s)</b>						
<i>List salary benefits for additional faculty/staff each year the positions will be filled. For example, if hiring faculty in year 2, include expense in years 2 and 3. List one-time operating expenses only in the year expended.</i>						
Personnel (Faculty & Staff Salary & Benefits)	\$6,460,005	\$302,200	\$400,200	\$512,200		
Operating Expenses (equipment, travel, resources)	\$1,206,592	\$6,500	\$12,250	\$6,500		
Other: Distance Delivery Course Conversion/Course Development		\$21,000	\$21,000			
<b>TOTAL PROGRAM EXPENSES</b>	////	\$329,700	\$433,450	\$518,700		
<b>TOTAL EXPENSES</b>	\$7,666,597	\$7,996,297	\$8,100,047	\$8,185,297		
<b>FUNDING – source of funding to cover additional costs generated by proposed program(s)</b>						
<i>Describe internal reallocation using Narrative 1 on the following page. Describe new sources of funding using Narrative 2.</i>						
Internal Reallocation		\$213,862	\$72,035	\$17,538		
Appropriation	\$7,666,597					
Special Legislative Appropriation						
Grants and Contracts						
Special Fees						
Tuition		\$115,838	\$361,415	\$501,162		
Differential Tuition (requires Regents approval)						
<b>PROPOSED PROGRAM FUNDING</b>	////	\$329,700	\$433,450	\$518,700		
<b>TOTAL DEPARTMENT FUNDING</b>	\$7,666,597	\$7,996,297	\$8,100,047	\$8,185,297		
<b>Difference</b>						
Funding - Expense	\$0	\$0	\$0	\$0		



## Part II: Expense explanation

### Expense Narrative

*Describe expenses associated with the proposed program.*

#### New Ongoing Faculty/Staff Expenses

Health Administration Faculty Member (KHS, tenure-track, salary and benefits): \$105,000 (beginning year 1)

Population Health Faculty Member (KHS, tenure-track, salary and benefits): \$105,000 (beginning year 1)

Dietetics Faculty Member (NDFS, tenure-track, salary and benefits): \$98,000 (beginning year 2)

Veterinary Medicine Faculty Position (ADVS, tenure-track, salary and benefits): \$112,000 (beginning year 3)

Staff Assistant (salary and benefits): \$59,200 (beginning year 1)

MPH Director\* (salary and benefits): \$33,000 (beginning year 1)

\*The MPH Director position will result from the conversion of an existing 9 month faculty salary (academic year) to a 12 month administrative salary year (fiscal year). The reduced teaching load for the Director position will be covered by the two new faculty lines in Kinesiology and Health Science.

#### One Time Accreditation and Course Development Costs in Yrs 1-3

Accreditation Related Travel: \$4,000 per year, yrs 1-3

Annual CEPH Application Fee: \$2,500 per year, yrs 1-3

Self-Study Document Review \$3,000 in year 2

Consultation Site Visits\* \$2,750 in year 2

Distance Delivery Course Conversion \$42,000 (\$1,000/credit for 42 credits split between yrs 1-2)

## Part III: Describe funding sources

### Revenue Narrative 1

*Describe what internal reallocations, if applicable, are available and any impact to existing programs or services.*

In conjunction with participating Departments and Colleges, the Provost's Office has identified funding via internal reallocations to recruit new faculty and meet one-time expenses as outlined above. The MPH program has been identified as a priority for inclusion in the Market Demand Programs Initiative request that will be submitted to the Utah State Legislature for funding consideration in the upcoming session.

Academic Instructional Services (AIS) will provide financial support for course conversion to online delivery formats based on specific needs of each course.

### Revenue Narrative 2

*Describe new funding sources and plans to acquire the funds.*

The number of students in the program when fully enrolled will generate substantial tuition revenue that will help defray program costs. Based on strong anticipated student demand as detailed in Section III, each participating department will accept 5 new students in year one, and 10 students in subsequent years (30 new students per year across departments). At 42 credits, most students will take two years to complete the MPH (60 students total in the program by year 3). Based on the USU tuition table for resident graduate students, and assuming a 4% annual increase in tuition for years 2-3, the program will generate tuition revenues as follows:

Year 1: 15 students (10 credits fall, 11 credits spring) = \$115,838

Year 2: 45 students (10 credits fall, 11 credits spring) = \$361,415

Year 3: 60 students (10 credits fall, 11 credits spring) = \$501,162



State of Utah

GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

Utah Department of Health  
Division of Disease Control and Prevention

Joseph K. Miner, M.D., M.S.P.H., F.A.C.P.M.  
Executive Director

Robert Rolfs, MD, MPH  
Deputy Director, Public Health Practice

September 16, 2016

Dr. Noelle Cockett  
Office of the Provost  
Utah State University  
1435 Old Main Hill  
Logan, UY 84322-1435

Dear Provost Cockett:

On behalf of the Utah Department of Health, Division of Disease Control and Prevention, I am writing to offer my support for a Masters of Public Health (MPH) degree at Utah State University.

The Utah Department of Health seeks a well-trained public health workforce, and hires many with an MPH degree. The MPH degree signifies a certain level of public health skill, capacity, and knowledge we look for and trust when hiring. The addition of a health education and promotion track will be even more lucrative for USU students seeking employment. The field of public health is changing rapidly, and the preparation the HEP track would provide regarding systems thinking, policy analysis and development, social determinates of health, and ability to engage with diverse populations are much needed skills sets we look for in prospective job candidates. Additionally, students prepared in the proposed tracks of vet science, nutrition and biostatistics will also significantly benefit agencies like the Utah Department of Health, who hire public health professionals in many specialty areas.

I have known and worked with Dr. Gast for many years. Dr. Gast's reputation is impeccable. The education provided at USU already produces high quality students. The addition of an MPH program will further enhance the reputation of USU, and allow students to be even more competitive within the public health field.

I strongly support the approval of the proposed USU MPH program, and know it will contribute towards strengthening the quality of public health practice in Utah.

Sincerely,

Heather R. Borski, MPH, MCHES  
Director, Division of Disease Control and Prevention





December 2, 2016

Board of Regents  
Utah System of Higher Education  
60 South 400 West  
Salt Lake City, UT 84101-1284

Dear Members of the Board:

Demand for the field of Public in US higher education has dramatically increased over the past several years. This has been true in Utah, where degree programs at both the undergraduate and graduate levels have increased over the past decade in response to student interest, workforce needs and scholarly opportunities. The breadth of the field of Public Health is becoming more widely recognized and ranges from the basics of sanitation and public safety to transforming our healthcare system.

The University of Utah Division of Public Health has been working with Utah State University Professor Steven Hawks and his colleagues, by their invitation, to support their efforts to develop a Master of Public Health degree program. I have been impressed by their approach to create a focus for this program that responds to both academic and practical needs in this field. The University of Utah has a long-standing tradition of academic public health with a large graduate program, a broad research program, and substantial community-engaged efforts. The degree program being proposed at Utah State University complements the work being done at the University of Utah and provides an opportunity for broader impact in this field through the Utah System of Higher Education.

The University of Utah Division of Public Health is committed to work with our Utah State colleagues to find ways we can expand collaborative activities. I appreciate the respectful way in which the leadership at Utah State has approached working with us and look forward to continuing to work with them to advance the scholarship of Public Health in Utah.

Please feel free to contact me if I can provide any additional information regarding the proposed Master of Public Health degree program at Utah State University.

Respectfully,

Stephen C. Alder, PhD  
Professor and Vice Chair  
Chief, Division of Public Health

## **COMMITTEE MEETING ITEMS**

1. Audit Committee approved minutes – October 21, 2016
2. Audit Committee meeting agenda – January 6, 2017

AUDIT COMMITTEE MEETING  
UTAH STATE UNIVERSITY BOARD OF TRUSTEES  
University Inn Room 510  
October 21, 2016

Minutes of the Audit Committee Meeting of the Utah State University Board of Trustees held at 7:30AM.

COMMITTEE MEMBERS PRESENT

J. Scott Nixon            Chair  
Ronald W. Jibson  
Jody K. Burnett  
Mark K. Holland (excused)

UNIVERSITY REPRESENTATIVES PRESENT

John Hartwell            Vice President and Director of Athletics  
Mark McLellan          Vice President for Research and Graduate Studies  
Jodi Bailey                Chief Audit Executive (CAE)  
Dave Cowley              Vice President for Business and Finance

Audit Committee Chair Nixon conducted the meeting.

I.    Action Items

A. Approval of the Minutes of the Audit Committee Meeting Held on March 4, 2016

Action: Trustee Burnett moved the approval of the minutes of the Audit Committee meeting held on March 4, 2016.

Trustee Jibson seconded the motion and the voting was unanimous.

II.   Information Items

A. Trustee Nixon stated that he talked with the State Auditors. USU's annual external audits are on track to be completed on time. USU staff has been cooperative and easy to work with throughout the process.

B. CAE Bailey reviewed two recent audits:

1. *IAS-15-51 Contract Handling and Negotiation – Athletics*  
VP Hartwell discussed improvements and controls which were put in place immediately.
2. *IAS-15-42 Hotline: Billing Upcoding at the Center for Persons with Disabilities*

C. CAE Bailey discussed simplifying the University-wide Risk Assessment to focus on three high-level areas:

- Research and Graduate Studies
- Student Affairs
- Business and Finance

The Audit Committee and the CAE also discussed the importance of strong administrative support for this process to be useful and effective.

- D. VP McLellan discussed current research issues, implementation of a safety policy and changes in data management requirement which impact research related areas.
- E. CAE Bailey discussed other matter regarding hotlines and changes to Regents' policies which may impact the Audit Plan.

III. Other

Trustee Jibson made a motion to adjourn the meeting and Trustee Burnett seconded the motion. The Audit Committee meeting adjourned at 8:59 am.

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J. Scott Nixon, Chair  
(Minutes taken by Jodi Bailey)

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Date Approved

**AGENDA  
AUDIT COMMITTEE  
January 6, 2017  
University Inn Room 510  
7:30 AM**

I. Action Item

- A. Approval of minutes of Audit Committee meeting held on October 21, 2016
- B. Review and approval of the annual external audit reports *Dave Cowley*
  - 1. Utah State University Financial Report, Independent State Auditor's Report on Internal Control, and Single Audit Management Letter for the Year Ended 30 June 2016
  - 2. Utah State University Research Foundation Financial Statements and Management Letter for the Year Ended 30 June 2016
  - 3. Utah Public Radio Financial Statements and Independent Auditor's Report on Internal Control for the Year Ended 30 June 2016
  - 4. Edith Bowen Laboratory School Financial Statements, Independent State Auditor's Report on Internal Control, and Independent State Auditor's Report on State Compliance and Internal Control for the Year Ended 30 June 2016

II. Information Items

- A. State Auditor's Government Auditing Standards Report for the year Ended June 30, 2016 *Chair Nixon*
- B. Review of Trustees' Audit Committee Annual Report of Internal Audit Services' Activities for 2016 to the Regents' Audit Committee *Jodi Bailey  
Chair Nixon*
- C. Risk Assessment Process – Moving Forward *Jodi Bailey*
- D. Approval of Audit Plan for 2017 *Jodi Bailey*

Audit Committee Members

J. Scott Nixon, Chair  
Ronald W. Jibson  
Mark K. Holland  
Jody K. Burnet

# **STRATEGIC AGENDA**

## **USU Emergency Management**

Steve Milne, Captain  
Judy Crockett, Emergency Management Coordinator