



WEBINAR: How to Navigate the SRF Program in Utah

Monday, November 14, 2016 1:00 – 3:00 PM MST



This program is made possible under a cooperative agreement with EPA.





Logistics

At the top right corner of your screen:

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Toggle between full screen/window screen view

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Attendee List

Audio: please choose between speakers and telephone. If you do not hear audio right now, please check your speaker volume or enter #[audio pin]# if using phone.

> Submit questions in the Questions box at any time, and press [Send]. To undock and increase the size of the box, click on top right corner icon.





Registrants of this webinar



About the Environmental Finance Center Network (EFCN)

The Environmental Finance Center Network (EFCN) is a universitybased organization creating innovative solutions to the difficult howto-pay issues of environmental protection and improvement. The EFCN works with the public and private sectors to promote sustainable environmental solutions while bolstering efforts to manage costs.

The Smart Management for Small Water Systems Program

This program is offered free of charge to all who are interested. The Project Team will conduct activities in every state, territory, and the Navajo Nation. All small drinking water systems are eligible to receive free training and technical assistance.

What We Offer

Individualized technical assistance, workshops, small group support, webinars, eLearning, online tools & resources



Who We Are

- Environmental Finance Center at University of North Carolina at Chapel Hill
- Southwest Environmental Finance Center
- Syracuse University Environmental Finance Center
- Environmental Finance Center at Wichita State University
- Environmental Finance Center at University of Louisville
- EFC West
- Great Lakes Environmental Finance Center at Cleveland State University
- New England Environmental Finance Center at University of Southern Maine





Areas of Expertise

- Fiscal Planning and Rate Setting
- Asset Management
- Energy Use and Efficiency
- Meeting Regulatory Compliance
- Multi-funding Coordination
- Communications and Decision-making

- Water Loss Reduction
- Working with Other Water Systems
- Financing
- Funding Programs
- Managing Small Utilities in Drought



Navigating to Funding Tables

Step 1: efcnetwork.org Step 2: Select "Funding Sources by State" under the Resources Tab









• -> C |] efcnetwork.org/funding-sources-by-state/

Funding Sources by State

Note: Some states may have additional resources listed below the map.

Click on the map below to view funding sources for each state:









Presenters

Ken Bousfield



Division Director Utah Department of Environmental Quality

Michael Grange



Construction Assistance Section Manager Utah Department of Environmental Quality

Stacey Berahzer



Senior Project Director Environmental Finance Center at the University of North Carolina on Chapel Hill









UNC SCHOOL of GOVERNMENT

Dedicated to enhancing the ability of governments and other organizations to provide environmental programs and services in fair, effective, and financially sustainable ways through:

- Applied Research
- Teaching and Outreach
- Program Design and Evaluation



How you pay for it matters



http://efc.sog.unc.edu



Objectives

- Understand the background of the State and Federal funded State Revolving Fund (SRF) Programs
- Learn what types of projects are eligible for SRF funding
- Understand some of the requirements related to federal funding
- Learn about the timelines and process for SRF applications
- Get tips on how to score higher on your SRF application







INTRODUCTION







The Debt Market

- Why Borrow?
- Water infrastructure has a long useful life
- Amortizing the loan over the life of the equipment allows your customers to benefit from system improvements now and pay for them over time





When You Need Cash Now: The Debt Market

- Lenders consider the following when determining whether to loan money and at what interest rate:
 - your creditworthiness,
 - your ability to repay the debt







When You Need Cash Now: The Debt Market

- The SRF Programs consider the following when providing assistance:
 - Median Adjusted Gross Income (MAGI)
 - Average monthly water bill
 - Project cost per connection
 - System contribution
 - Special incentives







The Debt Market

• Two types—Loans and Bonds

- Loans, can be more universally available, depending on the state
- Bonds In Utah, political subdivisions have to bond for their longer term projects







Loans

Typically from a bank

Can be from a government-sponsored
program





What is the State Revolving Fund (SRF) Program?

- There are 2 programs:
 - Drinking Water State Revolving Fund (DWSRF) for "drinking water"
 - Clean Water State Revolving Fund (CWSRF) traditionally for wastewater and other water quality projects
- A federal-state partnership:
 - States provide a 20% match on federal funds
 - Programs are administered by staff in the specific



state



Drinking Water SRF

- Established by the 1996 amendments to the Safe Drinking Water Act (SDWA)
- All 50 states and PR have a DW SRF
- Congress appropriates funding for the DWSRF
- EPA then awards capitalization grants to each state based on the results of the Drinking Water Infrastructure Needs Survey and Assessment
- Bulk of money goes into a revolving loan fund
- Provides loans and other authorized assistance to water systems for eligible infrastructure projects







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Smart Management for

Small Water Systems





ELIGIBILITY





Eligible Water Systems

- The Division of Drinking Water (DDW) provides oversight for two SRF
 Programs
 - Federal
 - State
- These programs, while similar, have some significant differences





Eligibility - State Program

- Limited to "Political Subdivisions/Entities"
 - Municipalities
 - Water Districts
 - Special Service Districts





Eligibility - Federal Program

- Publicly Owned Systems, Privately Owned Systems, or Non-profit, Noncommunity Systems
 - Municipalities, Improvement Districts, etc.
 - HOA's, "Mom & Pop" systems, etc.
 - Church Camps, Scout Camps, etc.









Eligible Projects

- Treatment
- Transmission and distribution
- Source
- Storage
- Consolidation
- Creation of new systems
- Green Projects
- Funding is not available for future development only
 - However, considering a reasonable amount of future growth is encouraged











Disadvantaged Communities

"Disadvantaged Communities" - a median adjusted gross income which is ≤ 80% of the State's median adjusted gross income; or where the established annual cost of drinking water service to the average residential user exceeds 1.75% of the median adjusted gross income







Lower Rates

 2016 interest rates of 1.5-2.5% - The most current Revenue Bond Buyer
Index (RBBI) is used as the base rate

- As of November 3, 2016 RBBI was 3.44%

- 2016 origination fee of 1%
 - Disadvantaged communities do not pay origination fee





Targeted to Small Systems

 A minimum of 15% of all dollars credited to the loan fund must provide loans to systems that serve fewer than 10,000 persons







Green Infrastructure Projects Reserve?

- Green Projects include:
 - Water efficiency, including meters
 - Energy efficiency

- Congress decides from year to year whether to include the Green Project Reserve as a requirement
 - In 2016, no green projects required
 - However, states are encouraged to include green projects to the extent possible





Principal Forgiveness

- Basically the same as a grant
- Must qualify as a Disadvantaged Community to be considered
 - Local MAGI is less than or equal to 80% of the State MAGI

or

Average water bill is greater than 1.75% of Local MAGI

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REQUIREMENTS RELATED TO FEDERAL SRF FUNDING





Terms of Loan

- Repayment must begin no later than one year after completion of the project
- 20 year term (after the completion of the project)
 - A disadvantaged community loan may have up to 30 years as long as the period of the loan does not exceed the expected design life of the project







Davis-Bacon Act Wage Rules

- Must use the most recent wage determination, found here:
 - <u>http://www.wdol.gov/dba.aspx</u>
- Select the appropriate state and county
- Select Construction Type "Heavy"
- Click "Search"
- Print the determination page and include it in project specifications and bid documents





American Iron and Steel Provision

- Requires iron and steel products in construction of projects be produced in the United States
- Waivers may be requested for an exception when necessary
- EPA Q&A document may be found here:
 - <u>https://www.epa.gov/cwsrf/american-iron-and-steel-requirement-guidance-andquestions-and-answers</u>
- EPA Training Material may be found here:
 - https://www.epa.gov/cwsrf/american-iron-and-steel-requirement-training-materials





Disadvantaged Business Enterprises (DBE)

- Typically Minority or Woman-Owned
- Must be given the opportunity to bid on any federally-funded project
- Assistance recipient must show a "good faith effort" to allow DBE's to bid
- Not required to hire DBE






Reporting

- 3 major areas for federal programming
 - DBE
 - American Iron & Steel
 - Davis-Bacon





Project Signage

- Required for federally funded projects
- Options
 - Standard Signs
 - Posters or flyers hung in a public place
 - Newspaper or periodical advertisement
 - Online "sign" on community webpage or social media
 - Press release







SRF FUNDING TIMELINES AND PROCESS





The Intended Use Plan (IUP)

- IUP describes how the state plans to use available funds, includes list of potential projects
- A draft IUP must be posted for public comment

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• Includes the Project Priority List ...





The Project Priority List

- Each application assigned priority points
- Systems whose projects have a high priority score have chance to be considered for financial assistance ahead of projects with lower scores
- Calculation is as follows:

Priority rating = (Average number of points received) X (Rate Factor) X (AGI Factor) Where: Rate Factor = (Average System Water Bill / Average State Water Bill) AGI Factor = (State Median AGI/ System Median AGI)







Drinking Water Board Financial Assistance Committee Application Submittal Schedule 2016

Application Cut-Off Date	SRF Packet Due	SRF Conference Call	DWB Meeting
11/09/2015	12/02/2015	12/09/2015	01/08/2016
01/04/2016	01/26/2016	02/03/2016	03/03/2016 (St. George)
03/14/2016	04/06/2016	04/13/2016	05/13/2016
05/09/2016	06/01/2016	06/08/2016	07/08/2016
06/30/2016	07/26/2016	08/03/2016	08/31/2016 (Layton)
09/26/2016	10/12/2016	10/19/2016	11/18/2016





The State Environmental Review Process (SERP) – Potential Outcomes

- CatEx Categorical Exclusion From Environmental Review
- EA Environmental Assessment
- FONSI Finding of No Significant Impact
- EIS Environmental Impact Statements
- ROD Record of Decision





The Bonding Process

- Public notice and public hearing are required
 - Public hearing typically held as part of City Council Meeting or other public body meeting

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- Parameters Resolution
- Bond Resolution



The Plan Review Process

- Project plans and specifications must be submitted to DDW for review and approval before going out for bid
- DDW has thirty days to respond
- Plan schedules accordingly
- DDW must receive a copy of the bid tabulation as well as the detailed bid for the chosen contractor







TIPS ON HOW TO SCORE HIGHER ON YOUR SRF APPLICATION





Capacity Assessment Worksheets for Public Water Systems

- Online at:
 - <u>http://www.deq.utah.gov/form</u> <u>s/water/dw/docs/2014/03Mar/</u> <u>pdf/e-capassworksheet.pdf</u>

The Technical Portion of your System

Please mark (_) the appropriate box: Yes, No, or Unknown for each section. Please try to determine the answer to every question. If a section or question does not apply to your system, please write NA for not applicable.

Water Supply and Existing Demands	Yes	No	Unknown
Do you know how much water you pump on an average day ?			
Amount			
Do you know how much water you pump on a peak day ?			
Amount			
Have you been able to provide adequate volumes of water during drought cycles ?			
Do you have an Emergency Response Plan that will allow you to meet system demand during a drought or shortage, such as the loss of the largest source ?			
Do you have a contract to purchase water?		Γ	
If yes, with who ?			
Do you know the terms affecting your supply during drought conditions ?			
Sytem Maintenance			
Are locations, size, and type of mains and service lines detailed on records ?			-

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Can You Sleep at Night?

Is your system self sufficient?

Operating Ratio

Are you able to cover your debt service after paying for your day to day operations?

If your customers stop paying their bills, how long can you maintain operations?

Can your system meet its short term obligations?

How much of your system's expected life has already run out?

Debt Service Coverage Ratio

Days Cash on Hand

> Current Ratio

Asset Depreciation

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Whiteboard Video: Financial Benchmarking for Water Utilities

http://www.waterrf.org/Pages/Projects.aspx?PID=4366









Quick Review of Key Financial Indicators

Operating Ratio

Current Ratio

Debt Service Coverage Ratio Days of Cash on Hand

Asset Depreciation







Is your system self-sufficient?







Operating Ratio

OPERATING REVENUES







DEPRECIATION ANNUAL COST OF WEAR AND TEAR ON THE SYSTEM



Read more: http://efc.web.unc.edu/2015/02/27/operating-ratio/







Are you able to cover your debt service after paying for your day to day operations?





Debt Service Coverage Ratio

OPERATING REVENUES - OPERATING EXPENSES (EXCLUDING DEPRECIATION)

PRINCIPAL INTEREST PAYMENTS ON LONG TERM DEBT

GREATER THAN 1.25



Read more: <u>http://efc.web.unc.edu/2015/04/23/debt-service-coverage-ratio/</u>

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Can your system meet its short term obligations?





Current Ratio

UNRESTRICTED CURRENT ASSETS EXCLUDING INVENTORIES AND PREPAID ITEMS

CURRENT LIABILITIES



Read more: http://efc.web.unc.edu/2015/10/01/key-indicator-current-ratio/





If your customers stop paying their bills, how long can you maintain operations?







Days Cash on Hand

UNRESTRICTED CASH AND INVESTMENTS

OPERATING EXPENSES EXCLUDING DEPRECIATION & AMORTIZATION / 365



Read more: <u>http://efc.web.unc.edu/2015/06/24/days-cash-on-hand/</u>





How much of your system's expected life has already run out?







Asset Depreciation

= Accumulated Depreciation Gross Plant and Equipment

Caveat: this indicator is only as accurate as your depreciation schedule, and even then historic pricing is likely to distort the results.







Where Do We Get Started?

• Local governments: audited financial statements

 Non-governments: balance sheets, shareholder reports, annual reports, etc.

BAVARIA STATEMENT OF NET ASSETS PROPRIETARY FUND JUNE 30, 2011			
Assets Current Assets Cab - operating Accessmits Recalvable (Not) Propsid Insentance Total Current Assets Noncerrent Assets Restribut cash Capital assets Land Buildings Improvements other than buildings Machinery and equipment Construction in progress Loss: Accountained depreciation	Water and Server Enterprise Fund 5 568,001 66,346 640,203 137,208 239,556 22,962 5,8773,769 885,073 1,454,079 (2,883,225) - (2)		
Total noncurrent assets Total Assets	39,833 3,781,215 6,421,478		
Liabilities Corrent Liabilities: Accrued Esperies Due to Other Funda Customor Daposits Deferred Sobisidy Revenue Carrent Portism of Lung Torm Dubt Toral Corrent Liabilities Noncurrent Liabilities: Compensatori Advantes Borvense Bonds (Net of Current partise) Netter Payahlic (Net of Current partise) Nates Payahlic (Net of Current partise) Total Noncurrent Liabilities	21,090 2,767 8,176 62,025 440,005 433,811 398,474 15,605 233,357 646,373 646,373 646,373 646,373 646,373		
Fund Net assets invested in capital assets, net of related debt Revinited for debt service Unrestricted Total fund net assets	4,355,133 114,583 163,363 5 4,4370,079		







Financial Health Checkup for Water Utilities

http://efc.sog.unc.edu or http://efcnetwork.org Find the most up-to-date version in Resources / Tools

Financial Health Checkup for Water Utilities

UNC ENVIRONMENTAL FINANCE CENTER leveloped by the Environmental Finance Center at the University of North Carolina, Chapell M. http://wfosing.uncerda

What does this tool do?

This tool assists in the assessment of the financial performance of a water (and/or wastewater) utility fund. Financial data readily available in annual financial statements are copied into this tool, which computes key financial indicators that measure a variety of important metrics, such as the ability to pay debt service. availability of cash to pay for operations and maintenance, the sufficiency of otherways generated, etc. Each metric is compared against targets that are specified by the user. The hool demonstrates the financial strengths and weaknesses of the utility fund in the past 5 years.

Features:

Simple data entry (uses data already reported in your audited financial statements) 5 financial performance indicators with explanations Set your own targets Assessment of last year's financial ratios, improvements since previous year, and five year trends Guided navigation through hyperlinked images

What are financial indicators?

Watch a whiteboard video explaining financial performance indicators in lay terms.









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Excel[®]- based tool

Free to use





Created by the Environmental Finance Center at the University of North Carolina, Chapel Hill's School of Government

A resource for water systems from the EFCN's Smart Management for Small Water Systems project

funded under a cooperative agreement with the U.S. E.P.A.







Tip: when you first use this file after downloading from our website, click on "Enable Editing" at the top







Why Care About This?

 Funders and ratings agencies care about this

 As you think about the future needs of your system, you have to know where you are starting from







So....

• Now that we know where we are, let's decide where we are going...

 How do we estimate the future costs and revenues?









Two Related Concepts:

Asset Management & & Capital Planning





Working smarter not harder is the essence of Effective Management / Asset Management









Asset Management Helps You Have the Most Impact in Your System By Spending Your Limited Dollars in the Best Way Possible





Five Core Components of AM





Current State of the Assets

Level of Service



Criticality

Life Cycle Costing

Long-Term Funding





Current State of the Assets

- What do I own?
- Where are the assets?
- What condition are they in?
- How much useful life is remaining?
- What is the replacement value?









Level of Service





Asset Criticality

What is the probability or likelihood that a given asset will fail?

How do my assets fail?

What's the condition of my assets?










Asset Criticality

What is the consequence if the asset does fail?

What is the cost of the repair?

Are there legal consequences, environmental consequences, social consequences?

Are there redundant assets?











Asset Criticality







Probability of Failure







In Theory, there is an exact right time to replace an asset

Not possible to know the optimal time to replace every asset

So... need to use the concept of risk



Time



Life Cycle Costing & Risk

Low risk assets: run

afterwards

to failure and replace

High risk : replace assets early, before failure



Long Term Funding

- This is where capital planning comes in
- Once you figure out how to get the longest life out of your assets, plan to have the money you need to replace them when necessary
- More on this Asset Management Framework at:

https://www.env.nm.gov/dwb/assistance/d



ocuments/AssetManagementGuide.pdf



Long Term Capital Plan

 An official multi-year document that identifies and prioritizes capital projects, identifies funding sources, and sets timelines







Capital Improvement Program

- Identify regulatory deficiencies (discuss with regulatory agencies, look at proposed regulations, talk to consultants), in a 10-20 year window
- Identify growth needs, expansion





Capital Improvement Program

- Identify deferred maintenance problems or where current service is inadequate
- Prioritize based on need realizing that "hidden" infrastructure tends to be ignored







Capital Improvement Program -Timelines

 Use Asset Management Plan to plan for capital expenses in the long term (~20 years)







Capital Improvement Program -Timelines

 Create a Capital Improvement Plan with a narrower timeline (~5 years) in more detail. Specify the projects and accurate estimates of cost. Plan where money will come from.







Capital Improvement Program -Timelines

 Create a Capital Improvement Budget with an even narrower timeline (1 – 2 years) committing funds for the planned capital projects. Get it approved/adopted.







Example Capital Improvement Plan (CIP)

	Planning Years (Values in 000s)								
Project Name	FY 02	FY 03	FY 04	FY 05	FY 06	Future	Total		
Water Supply 1 Treatment			┝───┤		⊢−−−− ′	├ ───′			
	├ ────┦			 	′	f'	├┦		
Water Treatment Objective				†	′	'			
						'			
Lime pumps and slakers	740				<u> </u>	<u> </u>	740		
Chemical Enclosures		500			<u> </u>	<u> </u>	500		
Filter 7-18 Control			330		<u> </u>	<u> </u>	330		
Filter Gallery Rehab	1,140				<u> </u>	<u> </u>	1,140		
High Service Pumps		1,500			<u> </u>	<u> </u>	1,500		
Upgrade or Replace Reclaim System Drier	200				<u> </u>	<u> </u>	200		
New Membrane Skids				5,700	<u> </u>	<u> </u>	5,700		
Sodium Hypochlorite Plant	2,000				<u> </u>	<u> </u>	2,000		
Additional Storage Tanks					5,000	3,300	8,300		
Repair R/O Capacity		150				<u> </u>	150		
Filter Gallery Mech Parts	300				<u> </u>	<u> </u>	300		
MMIS					<u> </u>	150	150		
VFDs - HSP		344				<u> </u>	344		
Membrane Replacement		1,600			′	<u> </u>	1,600		
Painting of Water Plant					<u> </u>	3,000	3,000		
Phase II Emergency Power Generator						1,500	1,500		
Portable Generator - South Well Field				150		['	150		
Repalcement of Fuel Tanks			170			[]	170		
Upgrade of Existing Control System @ WTP						580	580		
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Smart I

Where Can You Find the Prices?

- Call a vendor. Actually, call a few.
- Ask other systems
- Look at past expenses but adjust for increases in costs







Measures of Inflation

- Consumer Price Index (CPI)—measure of the average change over time in the prices paid by urban consumers for a market basket of consumer goods and services
- Construction Cost Index (CCI)—average prices for labor and key construction materials from 20 cities across the United States







Annual Changes to the Construction Cost Index and to CPI-U ("Inflation")



Data analyzed by the Environmental Finance Center at the University of North Carolina, Chapel Hill. Data Sources: Bureau of Labor Statistics, Engineering News-Record ENR.com, InflationData.com, USDA Natural Resources Conservation Services.

http://efc.web.unc.edu/2012/09/26/using-an-index-to-help-project-capital-costs-into-the-future/





Drive Down the CIP Cost

- Is it possible to
 - Eliminate projects?
 - Defer projects?
 - Repair or refurbish instead of replace?
 - Find a non-asset solution?
 - Find collaboration/partnerships alternatives with neighboring systems?
 - Improve balance of cash vs. debt-financed?
- Re-evaluate water demands of your customers. Many systems are now noticing that *total* demand is *decreasing* over time.





Reminder: Life Cycle Costing

• Purchase Price ≠ Total Price







Capital Investments are Just the Tip of the Iceberg...





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Source: Adapted from Steve Allbee, USEPA





Software: CUPSS (EPA)









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Smart Management for VV Small Water Systems

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Created by the Environmental Finance Center at the UNC School of Government

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ENVIRONMENTAL FINANCE CENTER

User-Friendly Capital Improvement Plan (C.I.P.) for Water & Wastewater Utilities Tool

Free, simplified CIP tool using only MS Excel, developed by the Environmental Finance Center at UNC.



Download the latest version at <u>http://efc.sog.unc.edu</u>. Find it in Resources / Tools.

Tool development was funded by the Public Water Supply Section of DWR/ NCDENR and partly by the USEPA.





What the Tool Does

Summarizes your utility's capital needs in the next 20 years, and estimates rate increases needed to fully fund the capital projects, based on debt and/or cash funding requirements





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Small Water System



"Full Cost Pricing"

- Operations & maintenance expenditures
- Taxes and accounting costs
- Contingencies for emergencies
- Principal and interest on long-term debt
- Reserves for capital improvement
- Source water protection







Rank Your Rate Setting Objectives







Elements of Rate Structure Designs

- 1. Customer classes/distinction
- 2. Billing period
- 3. Base charge
- 4. Consumption allowance included with base charge
- 5. Volumetric rate structure
- 6. (If applicable) Number of blocks, block sizes and rate differentials
- 7. (Optional) Drought Rates
- 8. Frequency of rate changes





How Rates and Usage Interact

Set rates based on projected water use



Raising rates lowers water use



Rule of thumb: water use declines ~2-6% as rates increase 10%



Frequency of Rate Changes

- Always review your rates annually (recommended)
- Review your financial health indicators annually, and then review your rates if any of the indicators reflect poor financing
- Perhaps less politically charged option: Raise rates each year automatically based on inflation







Water and Sewer Rates Analysis Model







Free, rate-setting tool using only MS Excel, developed by the Environmental Finance Center at UNC.



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http://efc.sog.unc.edu/reslib/item/water-sewer-rates-analysis-model

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2				Whit	a Data to be entered, can b	e changed		cubic feet to a	llons converter
3	Inputs: F	Rates and Rate S	tructures	Blac	k Automatically calucated o	lata: do not change!		100	_ 748
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5	c	ashflows from rate change	NS.						
6 Rate	e Structure		FY: 2012 2013	Rate Structure		2012	2013	\$/ccf to \$/1000 g	allons converter
7 Resid	dential Rates		Existing New	Commercial Rates		Existing	New	1.00 /hundred cubic fee	at = \$1.34 /1.000 gallons
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17 Set	wer: Block Bate 1 (S/1 000 cal)	If your utility has	nellinua \$1.00 \$1.25	Block Rate 1 /5/1 000 or	If your utility has) oslono \$1.00	\$1.25		
19	Block Rate 2 (\$/1.000 gal)	uniform rates, use the	sal/mo \$2.00 \$2.25	Block Rate 2 (\$/1,000 g	a) uniform rates, use) gal/mo \$2.00	\$2.25		
20 E	Block Rate 3 (\$/1,000 gal)	input box for "Block	pal/mo \$3.00 \$3.25	Block Rate 3 (\$/1,000 g	al) the input box for) gal/mo \$3.00	\$3.25		
21 Eint	Block Rate 4 (\$/1,000 gal)	EFC: Input Deal Block Pate	pal/mo \$4.00 \$4.25	Block Rate 4 (\$/1,000 g	EFC:) gal/mo \$4.00	\$4.25		
23	in block rollin (pri, dod gal)	here regardless of the	\$3.00 \$3.13	The block road (art, bob g	here regardless of the	23.00	4545		
24 25 Dat	e Structure	number of blocks your utility uses.	2042 2042	Number	number of blocks your utility uses.	2012	Growth		
25 Peak	e structure stice Dates	unity unit.	2012 2013 Existing New	of Accounts	Jose acard asse] 2012 Existing	Dates		
20 miliga 27 link	oation Base Rate		\$0.00 \$0.00	Residential Wat	er	3000	0.50%		
28 Im	pation:	EFC:	End:	Residential Sew	er	2500	0.50%		
29 8	Block Rate 1 (\$/1,000 gal)	If your utility has uniform rates, use the	gal/mo \$3.50 \$3.50	Commission		200	0.50%		
31 8	Block Rate 2 (a/1,000 gal) Block Rate 3 (\$/1,000 gal)	input box for "Block	pal/mo	Commercial Sew	er er	80	0.50%		
32	Block Rate 4 (\$/1,000 gal)	EFC:	pal/mo						
33 Fina	al Block Rate (\$/1,000 gal)	Input Final Block Rate		Imigation Wat	ar	3000	0.50%		
34		number of blocks your							
36 Tap	Fees	utility uses.	2012 2013	Miscellaneous		2012			
37	Annual Providence		Existing New			Existing			
38	Average Sewer Tap Fee Average Water Tap Fee		\$2,000.00 \$2,400.	0 Uncollected Bit	its wr	15.0%			
40	Average Irrigation Tap Fee		\$2,200.00 \$2,500.	00	ort	1007			
41				_					
42		Copyright © 2012	Environmental Finance Center	r at The University of North Carolina, C d Network Resources and the U.S. Er	hepel Hill, www.efc.unc.edu				
45		Panaea by the NO L	repartment or Environment and	u Natural Nesources and the U.S. Envi	ronmental Protection Agency				
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Water and Sewer Rates Analysis Model - Results

Results are Excel Spreadsheet with:

 The Fund Balance Under Existing Rates
 The Fund Balance Under Proposed Rates
 Projected for the next 20 years









http://www.deq.utah.gov/FeesGrants/funds/ drinkingwater/federal_srf.htm

Tour of Utah DEQ's website







Contact Information

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Polling Question 4

Would you like to subscribe to the Environmental Finance Center blog? *(choose one)*

- Yes
- No







Polling Question 5 and Evaluation Survey Link

Are you interested in receiving in-depth technical assistance for your small water system? *(choose one)*

- Yes
- No
- Would Like More Information About This






QUESTIONS

Slides and a manual on this material are coming to: http://efcnetwork.org/events/webinar-navigate-utahs-srf-program/



www.efcnetwork.org





Thank You!

And please let us know if you have any questions.

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