UTAH DEPARTMENT *of*
ENVIRONMENTAL QUALITY
DRINKING WATER

DWSRF 101

DWSRF 101

Drinking Water Board
Work Meeting
Board Member Training

February 28, 2019

Board Meetings

Schedules and Locations

Dates	Locations
April 9, 2019	SLC
June 11, 2019	SLC
August 27, 2019	Layton (RWAU)
October 8, 2019	SLC
January 14, 2020	SLC
February 27, 2020	St. George (RWAU)

DWSRF 101

- Purpose and Objectives of the DWSRF
- EPA/Congressional Expectations
- DWSRF Programs
  - State
  - Federal
- R309-700 & -705 Table 1
- R309-700 & -705 Table 2

Purpose and Objectives

The Drinking Water State Revolving Fund

- Created by Section 1452 of the 1996 Safe Drinking Water Act (SDWA) Amendments
- The DWSRF Program is a “multifaceted tool for states to use in achieving the public health protection objectives of the SDWA.”[1]
  - Projects to address current violations
  - Projects to prevent future violations
- DWSRF funds are used to ensure:
  - Public health protection
  - Compliance with drinking water standards
  - Access to affordable drinking water

Expectations

Congress

- Safe Drinking Water Act passed in 1974
  - "to protect public health by regulating the nation's public drinking water supply."[2]
  - Amended in 1986 and 1996
- Appropriations to EPA to fund State-operated programs
  - Provide assistance to Public Water Systems
    - Publicly-owned
    - Privately-owned
    - Nonprofit, Non-Community

Expectations

Congress

- Appropriations (continued)
  - Emphasis placed on systems serving:
    - Fewer than 10,000 people
    - Less affluent populations
- Oversees EPA's administration of DWSRF program
  - Ensure laws and programs are implemented in accordance with Congressional intent

Expectations

EPA

- Establishes national, health-based standards
  - Enforceable maximum contaminant levels
  - Required treatment techniques
- Provides national leadership in implementing programs
  - Protect water supplies
  - Ensure sound system operation
- Provides oversight of State-level programs
  - Ensure program compliance
  - Ensure effective program management

Expectations

EPA

- States must implement programs for:
  - Priority Ranking System
  - Operator Certification
  - Capacity Development/Assessment
  - Source Protection

Expectations

Priority Ranking System

"...[ranking] systems must be structured to prioritize projects that

address the most serious risks to public health

enable compliance with SDWA

have the greatest needs according to state affordability criteria..."[3]

Drinking Water
State Revolving Fund Programs

DDW manages two separate SRF Loan Programs

- State SRF Program
  - Created by the legislature in 1984
  - Utah Code R309-700
  - Funded through a portion of the sales tax
    - DDW receives ¼ of 1/16% of total annual sales tax revenue from the State of Utah (capped at ~$3.6 million per year)
- Federal SRF Program
  - Created by Section 1452 of the 1996 Federal Safe Drinking Water Act (SDWA) Amendments
  - Utah Code R309-705
  - Funded through federal tax dollars
  - Congressional appropriations through USEPA
    - Typically $8.5 – 9.0 million per year in “new money”
  - State match of 20% of annual appropriation

State SRF Program

R309-700

- Limited to “Political Subdivisions/Entities”
  - Municipalities
  - Water Districts
  - Special Service Districts
- Requirements include (among others):
  - Demonstrate public support
  - SHPO (Cultural/Historical/Archeological Review)

Federal SRF Program

R309-705

- Publicly Owned Systems, Privately Owned Systems, or Non-profit, Non-community Systems
  - Municipalities, Improvement Districts, etc.
  - HOA's, "Mom & Pop" systems, etc.
  - Church Camps, Scout Camps, etc.
- System must be "Approved"
  - Unless funded project will resolve issues
- System must have adequate "capacity"
  - Technical, Managerial, and Financial capabilities

Federal SRF Program

R309-705

- Environmental Assessment
- Other “Cross-Cutting” Authorities
- Davis-Bacon Act Wage Requirements
- Disadvantaged Business Enterprise (DBE) Requirements
- American Iron & Steel
- Project Signage Requirements

SRF Programs

Eligible Projects

- Drinking Water System related:
  - Planning/Design
  - Sources (wells, springs, etc.)
  - Storage Tanks
  - Treatment Facilities
  - Transmission/Distribution Pipelines
  - Water Meters
  - Emergency Repairs/Replacement

SRF Programs

Ineligible Projects

- Those used to attract growth
  - Account for anticipated growth over the life of the project
  - Account for anticipated growth over the loan repayment period
- Dams
  - Construction
  - Rehabilitation
- Water Rights
  - Unless those rights are owned by a system being purchased as part of regionalization or consolidation

SRF Programs

Ineligible Projects

- Reservoirs
  - Except finished water reservoirs (storage tanks)
  - Except water treatment plant reservoirs
- Laboratory fees
- O&M costs
- Mainly to provide fire protection
  - Although including fire flow when designing a project is strongly encouraged

SRF Programs – Planning Advances

Planning Advances

- The DWB encourages and emphasizes good planning
  - Master Plans
  - Engineering Studies
  - Alternatives Analyses
  - Hydraulic Modeling
- Standard Affordability Criteria apply
  - Some grant funding is available
  - Typical planning advance is a 5-year, 0% interest loan
    - Loans can be rolled into any financial assistance for a construction project identified during the planning process

SRF Programs – Emergency Assistance

- The Drinking Water Board is authorized to provide financial assistance for emergency situations
  - However, there is no obligation to provide such assistance
- What is an emergency?

"...an unexpected, serious occurrence or situation requiring urgent or immediate action. With regard to a water system this could be...

the failure of equipment or other infrastructure, or

contamination of the water supply

which threatens the health and/or safety of the public/water users."

Utah Administrative Code R309-705-3, emphasis added

SRF Programs – Emergency Assistance

- Systems notify DDW of emergency
  - Applications may be submitted after arrangements for assistance have been made
    - Assistance comes first, paperwork comes later
- Staff reviews the information
  - Input from LHD's
  - Input from District Engineers (if applicable)
- Staff submits findings to DWB Chair
- DWB Chair may call a special meeting
  - Timely consideration of the request for assistance
  - May be a teleconference, if necessary

SRF Programs – Emergency Assistance

- In determining whether the situation is in fact an emergency the DWB may consider the following:
  - Was the situation preventable?
    - Proper O&M procedures documented?
  - Has the water system established a capital repair and replacement fund?
  - What is the potential for illness, injury, or other harm to the public and/or the water users?

SRF Programs – Emergency Assistance

- Generally:
  - For small communities and/or hardship communities the DWB may provide emergency financing in the form of all grant.
  - Larger communities may also receive some grant $ for emergency replacement/repairs.
  - DWB can provide money for immediate repairs (possibly even grant money), even if $100k or more.
  - If possible, repairs should be permanent facilities that won't have to be replaced.
  - After emergency is resolved, staff & DWB evaluate cost of permanent replacement facilities, evaluate affordability for the community & determine terms of additional financial assistance - in addition to the funds allocated for the emergency.

SRF - Types of Funding

- Low interest loans
  - ✓ Base rate is the RBBI, 4.24% (February 19, 2019)

- Principal Forgiveness (Federal SRF)
  - ✓ Local MAGI ≤ 80% of State-MAGI (Median Adjusted Gross Income)
    - ✓ 2017 State MAGI $45,895
    - ✓ After Project Water Bill >1.75% of local MAGI

- Hardship Grant (State SRF)
  - ✓ Local MAGI ≤ 80% of State-MAGI
  - ✓ After Project Water Bill >1.75% of local MAGI

  - ✓ For Example a Local MAGI of $38,795
    - ✓ 84.5% of State MAGI
    - ✓ Affordable Water Rate = $56.58

SRF - Timeline

- Submit Application to DDW
  - ✓ Application deadline is ~60 days prior to next scheduled Drinking Water Board meeting
    - ✓ Example: Meeting Date: June 11, 2019
      Application Deadline: April 16, 2019
- Application Reviewed by Staff
  - ✓ Project's "need" evaluated
    - ✓ Project Priority List (R309-705 Table 1)
  - ✓ System's "need" evaluated
    - ✓ Financial Evaluation (R309-705 Table 2)
  - ✓ Staff identifies funding alternatives

SRF - How to Apply

The Application

Division of Drinking Water
Utah Dept. of Environmental Quality

Doc ID: 700
Version: 2.08

UTAH DRINKING WATER BOARD
FINANCIAL ASSISTANCE
Electronic Application Form (Microsoft Excel Version)

This form applies to both the "State SRF" and the "Federal SRF" financial assistance programs. Detailed information on these programs is available on-line at:

drinkingwater.utah.gov/loan_program_intro.htm

If you have any questions or difficulties using this electronic form please contact either Rich Peterson or Karin L. Tatum at 801-536-4200. You may also contact them via e-mail:

richpeterson@utah.gov ktatum@utah.gov

If you wish to add anything while completing this form, please go to Tab 8 - Signature. On this tab you will find a box which you can use to add additional comments or information.

When completed, save this file for yourself. Then send a copy of this file, and required attachments, to:

ktatum@utah.gov

You may print a copy of this entire workbook by selecting FILE>PRINT>ENTIRE WORKBOOK>OK

FILL IN ALL BOXES HIGHLIGHTED IN YELLOW. If you enter a "choice" box (e.g. "Yes" or "No") and the choices are unresponsive, click DIRECTLY on the words "Click HERE to Activate Choices". (This will "select" the spreadsheet cell and allow data entry.) Wh

1 Enter today's date: mm/dd/yy

2 What type of project are you seeking funds for ?

Click HERE To Activate Choices
- ☐ Planning (e.g. Engineering Studies, Master Plans, etc)
- ☑ Construction of Facilities

Note: You MUST make a selection before completing the rest of this application form. The choice you make above will determine which information you are required to provide in the remainder of this workbook.

3 If you have a preference, enter the date of the upcoming Board meeting at which you want to make your initial appearance:

mm/dd/yy

Important, please note: The completed application and all required attachments must be received by the Division of Drinking Water at least 45 days before the Board meeting at which the application will be considered. The Board's meeting schedule can be

drinkingwater.utah.gov/board_schedule

4 What is your Utah Division of Drinking Water water system number? (Example: 98765. Leave blank if you don't know your number.)

5 What is your Federal EIN (i.e. Tax ID Number) ?
More Info on Federal EIN

1 - Introduction Page 1 of 2

2 - Contacts

Fill In All Boxes Highlighted In YELLOW

1 APPLICANT INFORMATION

System Name:

This is a:

Click HERE To Activate Choices
- ☐ Political Subdivision (e.g. County, City, Town, Improvement District, Metropolitan Water District, Water Conservancy District, Special Service District, etc.)
- ☐ Private Water System

Address:
City:
State:
Zip Code:
Phone:
Fax:
Email:

2 PRESIDING OFFICIAL OR CONTACT PERSON

First Name:
Last Name:
Title:
Address:
City:
State:
Zip Code:
Phone:
Fax:
Email:

3 TREASURER/RECORDER

First Name:
Last Name:
Phone:
Fax:
Email:

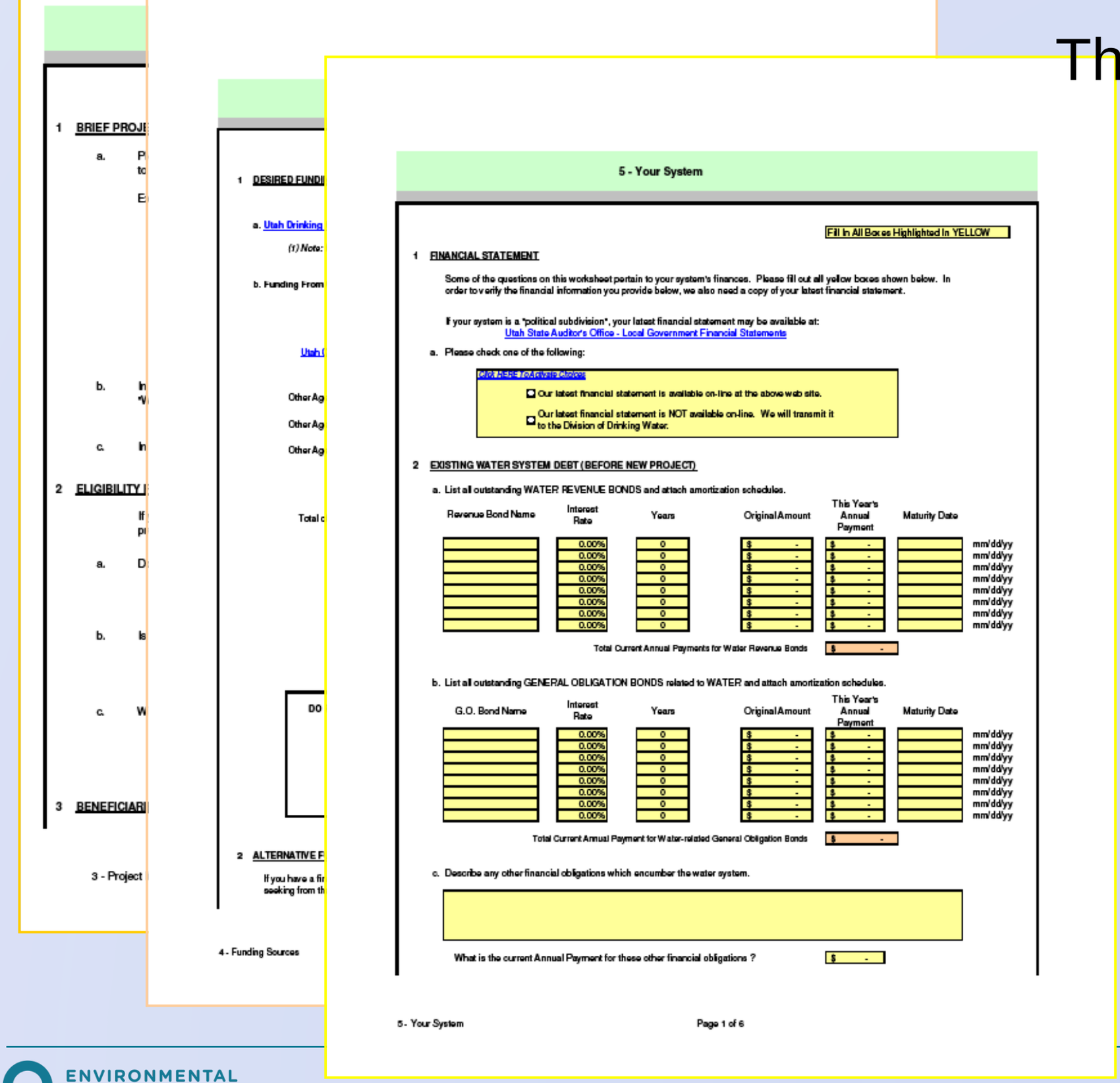
4 CONSULTING ENGINEER

First Name:
Last Name:
Company:
Address:
City:
State:
Zip Code:

2 - Contacts Page 1 of 3

SRF - How to Apply

The Application



5 - Your System

Fill In All Boxes Highlighted In YELLOW

1 FINANCIAL STATEMENT

Some of the questions on this worksheet pertain to your system's finances. Please fill out all yellow boxes shown below. In order to verify the financial information you provide below, we also need a copy of your latest financial statement.

If your system is a "political subdivision", your latest financial statement may be available at:
Utah State Auditor's Office - Local Government Financial Statements

a. Please check one of the following:

Click HERE to Activate Choice

☐ Our latest financial statement is available on-line at the above web site.

☐ Our latest financial statement is NOT available on-line. We will transmit it to the Division of Drinking Water.

2 EXISTING WATER SYSTEM DEBT (BEFORE NEW PROJECT)

a. List all outstanding WATER REVENUE BONDS and attach amortization schedules.

Revenue Bond Name	Interest Rate	Years	Original Amount	This Year's Annual Payment	Maturity Date	
	0.00%	0	$ -	$ -		mm/dd/yy
	0.00%	0	$ -	$ -		mm/dd/yy
	0.00%	0	$ -	$ -		mm/dd/yy
	0.00%	0	$ -	$ -		mm/dd/yy
	0.00%	0	$ -	$ -		mm/dd/yy
	0.00%	0	$ -	$ -		mm/dd/yy
	0.00%	0	$ -	$ -		mm/dd/yy
	0.00%	0	$ -	$ -		mm/dd/yy

Total Current Annual Payments for Water Revenue Bonds $ -

b. List all outstanding GENERAL OBLIGATION BONDS related to WATER and attach amortization schedules.

G.O. Bond Name	Interest Rate	Years	Original Amount	This Year's Annual Payment	Maturity Date	
	0.00%	0	$ -	$ -		mm/dd/yy
	0.00%	0	$ -	$ -		mm/dd/yy
	0.00%	0	$ -	$ -		mm/dd/yy
	0.00%	0	$ -	$ -		mm/dd/yy
	0.00%	0	$ -	$ -		mm/dd/yy
	0.00%	0	$ -	$ -		mm/dd/yy
	0.00%	0	$ -	$ -		mm/dd/yy
	0.00%	0	$ -	$ -		mm/dd/yy

Total Current Annual Payment for Water-related General Obligation Bonds $ -

c. Describe any other financial obligations which encumber the water system.

What is the current Annual Payment for these other financial obligations ? $ -

5- Your System Page 1 of 6

SRF - How to Apply

Capacity Assessment

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 ? ***If Yes, please attach.***	☐	☐	☐
Do you have a contract to purchase water?	☐	☐	☐
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 ?	☐	☐	☐
Unaccounted-for Water			
Is unaccounted-for water in the water system monitored and analyzed ?	☐	☐	☐
Is unaccounted-for water less than 15 percent of the total water delivered to the mains ?	☐	☐	☐
List percentage of unaccounted-for water:			
Do you have a routine leak detection and repair program ?	☐	☐	☐
Are all sources of supply and customers metered ?	☐	☐	☐
Are the meters calibrated and tested to ensure their accuracy and reliability ?	☐	☐	☐
Water Quality in Distribution System			
Is an annual inspection for cross-connections performed ?	☐	☐	☐
Is there a program for installing and testing backflow prevention devices where potential contamination is present ?	☐	☐	☐
Distribution System Problems			
Can you maintain adequte pressure in the distribution system under all conditions of flow ?	☐	☐	☐

The Management 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.***

Operations Staff	Yes	No	Unknown
Does the person operating your system have current water treatment plant and water distribution operator certification credentials from DEQ/DDW?	☐	☐	☐
If Yes, list classification:			
Does your operator receive additional training on an ongoing basis to keep current on new developments in the field ?	☐	☐	☐
Future Operational Demands			
Does your water system obtain any regular or occasional technical assistance from outside sources, such as DDW, your engineer, other utilities or organizations specifically dedicated to providing technical assistance ?	☐	☐	☐
If yes, who:			
Management & Administration			
Is there a clear plan of organization and control among the people responsible for management and operation of the system ?	☐	☐	☐
Are the limits of the operators authority clearly known ?	☐	☐	☐
Are all the specific functional areas of operations and management assigned ?	☐	☐	☐
Does everyone involved in operations know who is responsible for each area ?	☐	☐	☐
Is someone responsible for scheduling work ?	☐	☐	☐
Rules and Standards			
Do you have explicit rules and standards for system modifications ?	☐	☐	☐
Do you have rules governing hook-ups ?	☐	☐	☐
Do you have a water main extension policy ?	☐	☐	☐
Do you have standard construction specifications to be followed ?	☐	☐	☐
Do you have measures to assure cross-connection control and backflow prevention ?	☐	☐	☐
Do you have policies or rules describing customer rights and responsibilities ?	☐	☐	☐
Regulatory Compliance Program			
Do you fully understand monitoring requirements and have a scheduling mechanism to assure compliance ?	☐	☐	☐
Do you have a mechanism to obtain the most recent information on regulatory requirements ?	☐	☐	☐
Do you know how to obtain clarification or explanation of requirements ?	☐	☐	☐
Do you know what to do in the event of a violation ?	☐	☐	☐

SRF - How to Apply

Capacity Assessment

The Financial 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.***

Financial Planning Mechanisms	**Yes**	**No**	**Unknown**
Do you have an annual budget ?	☐	☐	☐
Do you have within the annual budget a seperate reserve account for equipment replacement and/or capitol improvement ?	☐	☐	☐
Do you have a capital budget or capital improvement plan that projects future capital investment needs some distance (at least five years) into the future ?	☐	☐	☐
Do you have a process for scheduling and commiting to capital projects ?	☐	☐	☐
Do you have a capital improvement plan that covers at least the next ten years?	☐	☐	☐
Does your planning process take account of all the potential capital needs suggested by all of the preceding questions in these worksheets?	☐	☐	☐
Does your long-term planning analysis of alternative strategies that might offer cost saving to customers, such as consolidation with other nearby systems or sharing of operations and management expenses with other nearby systems ?	☐	☐	☐
Rates/Billing - Are they Adequate ?			
Do you regularly review your rates ?	☐	☐	☐
How often ?			
Do you have a plan in place for periodic increases in rates ?	☐	☐	☐
Is the rate structure based on metered watered use ?	☐	☐	☐
List water rates per 1000 gallons:			
Do users pay the same or higher rate per 1000 gallons as they use more water ?	☐	☐	☐
Do you have procedures for billing and collection ?	☐	☐	☐
Is your billing collection rate greater than 95 % ?	☐	☐	☐
Do you have collection procedures specifically for delinquent accounts ?	☐	☐	☐
Financial Planning Mechanisns - Are they Adequate ?			
Do you have audited financial statements ?	☐	☐	☐
Does your water system presently operate on a break-even basis ?	☐	☐	☐
Does your water system keep all the water revenues (i.e., water revenue does not support other municipal departments or unrelated activities)?	☐	☐	☐
Do you employ standardized accounting and tracking systems ?	☐	☐	☐
Do you track budget performance ?	☐	☐	☐
Do you keep records to substantiate depreciation of fixed assets and accounting for reserve funds ?	☐	☐	☐
Are financial management record keeping systems organized ?	☐	☐	☐
Are controls exercised over expenditures ?	☐	☐	☐

Financial Spreadsheet

Applicant: _____
Completed by: _____
Date: _____

4 Year Projections	Last Year Actual	Current Year Budget Year 1 Projected	Year 2 Projected	Year 3 Projected	Year 4 Projected
Enter Year:					
1. Beginning Cash on Hand					
2. Cash Receipts:					
a. Unmetered Water Revenue					
b. Metered Water Revenue					
c. Other Water Revenue					
d. Total Water Revenues (2a thru 2c)					
e. Connection Fees					
f. Interest and Dividend Income					
g. Other Income					
h. Total Cash Revenues (2d thru 2g)					
i. Transfers in/Additional Rev Needed					
j. Loans, Grants or other Cash Injection					
please specify					
3. Total Cash Receipts (2h thru 2j)					
4. Total Cash Available (1+3)					
5. Operating Expenses					
a. Salaries and wages					
b. Employee Pensions and Benefits					
c. Purchased Water					
d. Purchased Power					
e. Fuel for Power Production					
f. Chemicals					
g. Materials and Supplies					
h. Contractual Services - Engineering					
i. Contractual Services - Other					
j. Rental of Equipment/Real Property					
k. Transportation Expenses					
l. Laboratory					
m. Insurance					
n. Regulatory Commission Expenses					
o. Advertising					
p. Miscellaneous					
q. Total Cash 0&M Expenses (5a thru 5p)					
r. Replacement Expenditures					
s. Total OM&R Expenditures (5q+5r)					
t. Loan Principal/Capital Lease Payments					
u. Loan Interest Payments					
v. Transfers Out					
w. Capital Purchases (specify):					
x. Other					
6. Total Cash Paid Out (5a thru 5x)					
7. Ending Cash Position (4 - 6)					

Revised on December 4, 1997

SRF – Capacity Development/Assessment

- What is **Capacity**?
  - The intent is really to define a water system's capabilities in Technical, Managerial, and Financial aspects...

to plan for, achieve, and maintain compliance with applicable drinking water standards.

SRF – Capacity Development/Assessment

- The Capacity Development Program
  - Applicable to Community Water Systems and Non-Transient, Non-Community Water Systems
  - Emphasis is on System Operations & Management
  - Not a static end point focused on a system “having it” or “not having it” the program establishes a process for systems to:
    - Continuously enhance their capabilities to operate a viable, sustainable water system
    - Consistently provide sufficient quantities of safe drinking water
    - Ensure long-term compliance with SDWA
- States without an approved CapDev program may:
  - Lose 20% of the annual Cap Grant appropriation
  - Lose primacy

SRF – Capacity Development/Assessment

- A Capacity Assessment is required
  - Before a new system can be approved
    - Without approval systems are potentially subject to:
      - IPS Points
      - Administrative penalties and/or fines
      - Civil penalties and/or fines

- Before existing systems can receive Financial Assistance through the Federal DWSRF program
  - System must demonstrate adequate capacity
  - Systems' lacking capacity may not receive federal DWSRF assistance, unless:
    - The funds will resolve capacity or compliance issues
    - System owner agrees to appropriate changes to assure long-term compliance

R309-700 & -705

Table 1

Project Priority Criteria

Describes why the System needs the Project

	met without an upgrade.	
	D. System suffers from low static pressures.	15
	Total	**75**
	Distribution	
	Deficiency Description	Points Available
Health Risk/Compliance with SDWA (select all that apply)		
	A. Distribution system equipment is deteriorated or inadequate for existing demands.	20
	- or-	
	Distribution system is inadequate to meet 5 year projected demands.	10
	B. Applicable disinfectant residual maintenance requirements are not met or high backflow contamination potential exists.	20
	C. Project will replace pipe containing unsafe materials (lead, asbestos, etc).	15
	D. Minimum dynamic pressure requirements are not met.	10
	E. System experiences a heavy leak rate in the distribution lines.	10
	Total	**75**
Emergencies		
	Upon the Board finding of an emergency as required by R309-705-9.	
	Total	**100**

Priority Rating = (Average 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)

(2) Financial Assistance Determination.

The amount and type of financial assistance offered will be based upon the criteria shown in Table 2. As determined by Board resolution, disadvantaged communities may also receive zero-percent loans, or other financial assistance as described herein.

Effective rate calculation methods will be determined by Board resolution from time to time, using the Revenue Bond Buyer Index (RBBI)as a basis point, the points assigned in Table 2, and a method to reduce the interest rate from a recent RBBI rate down to a potential minimum of zero percent. To encourage rapid repayment of a loan the Board will increase the interest rate 0.02 per cent (0.02%) for each year the repayment period exceeds five (5.0) years.

Application: Tab 3 - Project Info and Cost

9 **PROJECT DETAILS**

a. Source-Related Projects

1. Provide a detailed description of any components of the project which are related to source development.

2. What issues will the source-related project(s) address? (Check all that apply.)

Click HERE To Activate Choices

- ☐ Potential for waterborne illness
- ☐ Source under the influence of surface water
- ☐ Inadequate source capacity
- ☐ Microbiological violations
- ☐ MCL chemistry violations
- ☐ Inadequate source development / source protection
- ☐ Other Specify:

Application: Tab 3 - Project Info and Cost

c. Storage-Related Projects

1. Provide a detailed description of any components of the project which are related to water storage.

2. What issues will the storage-related project(s) address? (Check all that apply.)

Click HERE To Activate Choices

- ☐ Storage system is subject to impending failure, or has failed
- ☐ System is old, cannot be easily cleaned, or subject to contamination
- ☐ Inadequate capacity for existing demands, or demand exceeds 90% of storage capacity
- ☐ Applicable contact time requirements cannot be met without an upgrade
- ☐ Systems suffers from low static pressures
- ☐ Other Specify:

Project Priority Criteria

Rating Calculations

Table 1 - Priority System (Project Priority List)

System Name: _____

System Number: _____

Date: _____

Project Description: _____

2015 Local MAGI:		Water Income	
2015 State MAGI:	$ 43,196.00	Residential:	$ -
Avg System Water Bill:	#DIV/0!	Commercial/Other:	$ -
Avg State Water Bill:	$ 39.53		
		Total Connections:	0

Category Summary	Points Awarded
Source	
Treatment	
Storage	
Distribution	
Emergency	

Total Points: 0

Average Points: #DIV/0!

Rate Factor: #DIV/0!

AGI Factor: #DIV/0!

Priority Rating: #DIV/0!

Priority Rating

Priority Rating =

(Avg Points from Table 1) x (Rate Factor) x (AGI Factor)

Avg Points from Table 1 =

Avg of categories entered in Table 1 only

Rate Factor =

(System Avg Monthly Water Bill) / (State Avg Monthly Water Bill)

AGI Factor =

(State MAGI) / (System MAGI)

Rate Factor

Priority Rating =

(Avg Points from Table 1) x (Rate Factor) x (AGI Factor)

Rate Factor =

(System Avg Monthly Water Bill) / (State Avg Monthly Water Bill)

The 2013 State average monthly water bill is $47.03

System average monthly water bill = Annual Revenue / ERC

- Monthly Average Water Bill must include cost of secondary irrigation bill, if applicable

Higher monthly average water bill increases the Rate Factor

- Higher Rate Factor increases Project Priority Ranking

AGI Factor

Priority Rating =

(Avg Points from Table 1) x (Rate Factor) x (AGI Factor)

AGI Factor =

(State MAGI) / (System MAGI)

The 2017 State Median Adjusted Gross Income (MAGI) is $45,895

System MAGI is reported by the State Tax Commission, typically in December

- Data from tax year 2018 will be reported in December 2019

Lower system MAGI increases the AGI Factor

- Higher AGI Factor increases Project Priority Ranking

Cove SSD PPL Calculations

Source Quality/Quantity
Deficiency Description

		Points Available	Points Awarded
Health Risk (select one)			
A	Ther		
B	There		
C	High		
D	Mode		
E	No ev		
Compliance			
A	Sourc		
B	Syste Syste		
C	Sourc viola		
D	Sourc		
E	Sourc		

Treatment
Deficiency D

Health Risk	
A	Treat
B	The t fail to
C	Treat Treat Treat Syste

Storage
Deficiency Description

		Points Available	Points Awarded
Health Risk/ Com			
A	Storage sys System is c		
B	Storage sys Storage sys		
C	Applicable upgrade.		
D	System suf		

Distribution
Deficiency Descrip

Health Risk/ Com	
A	Distributio existing de Distributio
B	Applicable not met or
C	Project will asbestos, et
D	Minimum
E	System exp

Table 1 - Priority System (Project Priority List)

System Name: Cove SSD
System Number: 21046
Date: 1/9/2016

Project Description: Well development, 300,000-gallon tank, water lines

2015 Local MAGI:	$	30,606.00
2015 State MAGI:	$	43,196.00
Avg System Water Bill:	$	16.69
Avg State Water Bill:	$	47.03

Water Income

Residential:	$	10,984.00
Commercial/Other:	$	3,437.00
Irrigation:		
Total Connections:		72

* ERCs based on revenue

Category Summary	Points Awarded
Source	20
Treatment	
Storage	35
Distribution	20
Emergency	

Total Points: 75

Average Points: 25.0

Rate Factor: 0.355
AGI Factor: 1.411

Priority Rating: 12.5

January 9, 2016

Utah Federal SRF Program

Project Priority List

	date	type	%Green	Priority Points	System Name	County	Pop.	ProjectTitle	Project Total	Request DWB	Authorized Funds Authorized
				Total Unmet Needs:	**$224,740,794**			**Total Needs, incl. Recent funding**	**$265,776,649**		**$262,070,723**
N				**35.6**	Rocky Ridge Town	Juab	790	New well, chlorination, SCADA, transmission line	$1,011,061	$1,011,061	
N				**28.9**	Woodland Mutual	Summit	186	Spring redevelopment, new tank, water lines	$2,940,000	$2,915,000	
N				**24.8**	Torrey Town	Wayne	500	New water line and replacement	$2,229,980	$1,698,000	
N				**22.8**	Old Meadows	Iron	41	Replace Distribution System	$338,747	$413,292	
N				**12.5**	Cove SSD	Sevier	100	New well, storage tank and water lines	$1,611,000	$1,085,000	
N				**8.1**	Thatcher Penrose SD	Box Elder	580	Water line replacement	$129,400	$110,000	
A				**82.6**	West Erda	Tooele	158	Connect West Erda and Tooele Airport to Erda Acres	$1,801,331.00	$1,801,331	$1,622,600
A				**72.3**	Springdale	Washington	572	Treatment Plant	$4,730,000	$4,600,000	$5,508,350
A				**43.3**	Old Irontown POA	Iron	90	New 300,000-gallon tank and transmission line	$478,788	$478,788	$474,000
A				**41.4**	Virgin Town	Washington	750	New 500,000-gallon tank and transmission line	$1,131,313	$1,131,313	$1,120,000
A				**28.7**	Lizard Bench	Sevier	63	Water line, well house upgrades, chlorination, tank liner	$56,000	$28,000	$28,000
A				**27**	Bridge Hollow	Summit	45	New Well	$225,000	$225,000	$225,000
A				**26.3**	Hanksville	Wayne	210	Water Line Replacement	$601,548	$601,548	$601,548
A				**25.5**	Fillmore City	Millard	2,260	Water Line Replacement	$2,555,556	$2,555,556	$2,152,000
A				**25.3**	San Juan Spanish Valley SSD	San Juan	491	New System: tank, well, distribution	$5,125,758	$2,575,758	$2,550,000
A				**20.6**	Corinne City	Box Elder	700	Radium Filter, Spring Rehab, Transmission Line	$561,111	$561,111	$555,500
A				**18.5**	Glen Canyon/ Big Water Town	Kane	480	Tank rehab, radio read meters, water lines, refinance	$1,228,000	$1,228,000	$1,228,000
A				**18.3**	Greenwich	Piute	67	Chlorination building	$131,300	$131,300	$131,000
A				**9.7**	Juab Co	Juab	???	Regionalization pipeline	$24,000,000	$21,000,000	$21,210,000
A				**7.9**	Echo Mutual Water System	Summit	50	Spring box modifications	$35,857	$35,857	$35,857
A				**4.8**	Liberty Pipeline Company	Weber	2,504	New Well	$743,954	$698,647	$699,000

N = **New Application**
A = **Authorized**
P = **Potential Project- no application**

E= **Energy Efficiency**
W= **Water Efficiency**
G= **Green Infrastructure**

I= **Environmentally Innovative**

R309-700 & -705 Table 2

The System's Financial Need

	1. INTEREST, HARDSHIP GRANT FEE AND OTHER FEES REDUCTION FACTORS	POINTS
	1. COST EFFECTIVENESS RATIO (SELECT ONE)	
	A. Project cost $0 to $500 per benefiting connection	16
	B. $501 to $1,500	14
	C. $1,501 to $2,000	11
	D. $2,001 to $3,000	8
	E. $3,001 to $5,000	4
	F. $5,001 to $10,000	1
	G. Over $10,000.	0

R309-700 & -705 Table 2

The System's Financial Need

	2. CURRENT LOCAL MEDIAN ADJUSTED GROSS INCOME (AGI) (SELECT ONE)	
	A. Less than 70% of State Median AGI	19
	B. 71 to 80% of State Median AGI	16
	C. 81 to 95% of State Median AGI	13
	D. 96 to 110% of State Median AGI	9
	E. 111 to 130% of State Median AGI	6
	F. 131 to 150% of State Median AGI	3
	G. Greater than 150% of State Median AGI	0

R309-700 & -705 Table 2

The System's Financial Need

	3. APPLICANT'S COMMITMENT TO PROJECT **PROJECT FUNDING CONTRIBUTED BY APPLICANT (SELECT ONE)**	
	A. Greater than 25% of project funds	17
	B. 15 to 25% of project funds	14
	C. 10 to 15% of project funds	11
	D. 5% to 10% of project funds	8
	E. 2 to 5% of project funds	4
	F. Less than 2% of project funds	0

R309-700 & -705 Table 2

The System's Financial Need

	4. WATER BILL (INCLUDING TAXES) AFTER PROJECT IS BUILT RELATIVE TO LOCAL MEDIAN ADJUSTED GROSS INCOME (SELECT ONE)	
	A. Greater than 2.50% of local median AGI	16
	B. 2.01 to 2.50% of local median AGI	12
	C. 1.51 to 2.00% of local median AGI	8
	D. 1.01 to 1.50% of local median AGI	3
	E. 0 to 1.00% of local median AGI	0

R309-700 & -705 Table 2

The System's Financial Need

	5. SPECIAL INCENTIVES Applicant: (Mark all that apply.)	
	A. Has a replacement fund receiving annual deposits of about 5% of the system's annual drinking water (DW) budget and fund has already accumulated a minimum of 10% of said annual DW budget in this reserve fund.	5
	B. Has, in addition to item 5.A., accumulated an amount equal to at least 20% of its annual DW budget in its replacement fund.	5
	C. Is creating or enhancing a regionalization plan	16
	D. Has a rate structure encouraging conservation	6

	TOTAL POSSIBLE POINTS FOR FINANCIAL NEED	**100**

DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

SYSTEM NAME: Torrey Town — FUNDING SOURCE: Federal SRF
COUNTY: Wayne
PROJECT DESCRIPTION: Repair of existing spring transmission line and Installation of 8" pipe within town to loop the system

100 % Loan & 0 % P.F.

ESTIMATED POPULATION:	460	NO. OF CONNECTIONS:	604 *	SYSTEM RATING:	APPROVED
CURRENT AVG WATER BILL:	$35.00 *			PROJECT TOTAL:	$2,230,000
CURRENT % OF AGI:	1.50%	FINANCIAL PTS:	37	LOAN AMOUNT:	$1,700,000
ESTIMATED MEDIAN AGI:	$28,029			PRINC. FORGIVE.:	$0
STATE AGI:	$43,196			TOTAL REQUEST:	$1,700,000
SYSTEM % OF STATE AGI:	65%				

	@ ZERO % RATE 0%	@ RBBI MKT RATE 3.06%	@ ZERO % RATE 0%		AFTER REPAYMENT PENALTY & POINTS 0.75%
SYSTEM					
ASSUMED LENGTH OF DEBT, YRS:	20	20	20		30
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	3.06%	2.23%		0.75%
REQUIRED DEBT SERVICE:	$85,000	$114,902	$106,288		$63,492
*PARTIAL COVERAGE (15%):	$12,750	$17,235	$15,943		$9,524
*ADD. COVERAGE AND RESERVE (10%):	$8,500	$11,490	$10,629		$6,349
ANNUAL NEW DEBT PER CONNECTION:	$175.91	$237.79	$219.97		$131.40
O & M + FUNDED DEPRECIATION:	$139,000	$139,000	$139,000		$139,000
OTHER DEBT + COVERAGE:	$49,000	$49,000	$49,000		$49,000
REPLACEMENT RESERVE ACCOUNT:	$0	$0	$0		$0
ANNUAL EXPENSES PER CONNECTION:	$311.26	$311.26	$311.26		$311.26
TOTAL SYSTEM EXPENSES	$294,250	$331,627	$320,860		$267,365
TAX REVENUE:	$0.00	$0.00	$0.00		$0.00
RESIDENCE					
MONTHLY NEEDED WATER BILL:	$44.69	$49.84	$48.36		$40.98
% OF ADJUSTED GROSS INCOME:	1.91%	2.13%	2.07%		1.75%

* Equivalent Residential Connections

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DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

LOAN CALCULATIONS PER AGI METHOD

ENTER THE FOLLOWING INFORMATION:

	System Name:	Torrey Town	
	Date:	9-Jan-2017	
	County:	Wayne	
	Project Description:	Repair of existing spring transmis	
	Funding Source:	Federal SRF	
	Funding Status:	100 % Loan & 0	100.00%
2014	State AGI	$43,196	0.00%
2015	2015 MAGI	$28,029	
	Population:	460	
4-Aug-16	RBBI (zero)	3.06%	
	Project Cost:	$2,230,000	
	LOF Amount $$	$17,000	
	prior Planning Loan?	$0	
	System Contribution:	$15,000	
	Other Agency Funding:	$515,000	CIB Grant
	Other Debts:	$49,000	
	Oper. & Maint. Costs:	$139,000	
They list but it is c	Depreciation:	$0	100%
	Desired Length of Debt:	20	
	Estimated No. of Connections:	604	ERC
	Anticipated Date of Closing:	9-Jun-17	
	Anticipated Due Date for 1st P&I	9-Oct-18	
	Water System Rating:	APPROVED	
	Annual Water Revenue	$224,000	
	Water Bill comment:	* Equivalent Residential Connec	
	10% replacement fund?	No	
	15% replacement fund?	No	
	regionalization plan?	No	
	rate structure?	Yes	
	Grant Amount:	$0	$0
	Equivalent Grant Amount:	$0	$0
	Equivalent comment:	** Equiv. Ann. P	
	% of AGI	1.70%	<== UPDATE
	Irrigation Water Bill per conn.	$4.09	
	Est. Annual Tax Revenue for system	$0.00	
	# of Tax Revenue Households	0	
	Old Debt Coverage	1	
	Inflation factor	1.00%	
	Growth Rate	1.00%	
	Impact fees	$0	
	Replacement Reserve	0.0%	
	LOF %	1.0%	
	Financing Required:	$1,700,000	
	calculated LOF $$	$17,000	
	estimated Grant	$0	
	Equivalent Loan Amount:	$1,700,000	
	estimated equiv. Grant	$0	
	Financial Points	37	
	Rev.(Conn fee, Other):	$2,500	
	Reduction for Incentives	2.23%	
	Principal for 1.75% MAGI	$1,603,039.26	

SYSTEM NAME: Torrey Town — FUNDING SOURCE: Federal SRF

COUNTY: Wayne

PROJECT DESCRIPTION: *Repair of existing spring transmission line and Installation of 8" pipe within town to loop the sys

100 % Loan

ESTIMATED POPULATION:	460	NO. OF CONNECTIONS:	604 *	SYSTEM RATINC
CURRENT AVG WATER BILL:	$35.00			PROJECT TOTAI
CURRENT % OF AGI:	1.50%	FINANCIAL PTS:	37	LOAN AMOUNT
ESTIMATED MEDIAN AGI:	$28,029			PRINC. FORGIVE
STATE AGI:	$43,196			TOTAL REQUES
SYSTEM % OF STATE AGI:	65%			

	@ ZERO % RATE	@ RBBI MKT RATE	@ ZERO % RATE
	0%	3.06%	0%
SYSTEM			
ASSUMED LENGTH OF DEBT, YRS:	20	20	20
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	3.06%	2.23%
REQUIRED DEBT SERVICE:	$85,000	$114,902	$106,288
*PARTIAL COVERAGE (15%):	$12,750	$17,235	$15,943
*ADD. COVERAGE AND RESERVE (10%):	$8,500	$11,490	$10,629
ANNUAL NEW DEBT PER CONNECTION:	$175.91	$237.79	$219.97
O & M + FUNDED DEPRECIATION:	$139,000	$139,000	$139,000
OTHER DEBT + COVERAGE:	$49,000	$49,000	$49,000
REPLACEMENT RESERVE ACCOUNT:	$0	$0	$0
ANNUAL EXPENSES PER CONNECTION:	$311.26	$311.26	$311.26
TOTAL SYSTEM EXPENSES	$294,250	$331,627	$320,860
TAX REVENUE:	$0.00	$0.00	$0.00
RESIDENCE			
MONTHLY NEEDED WATER BILL:	$44.69	$49.84	$48.36
% OF ADJUSTED GROSS INCOME:	1.91%	2.13%	2.07%

* Equivalent Residential Connections

Amount System must raise rates	$5.98
equivalent grant component (RBBI to calc rate%)	$1,285,241
equivalent grant component (RBBI to Zero%)	$747,538
equivalent grant component (calc rate to Zero%)	($537,703)
Water Bill @ 1.75% of MAGI	$40.88
Amt of Water Bill for Present O&M, Depreciation and Replacement Account less Other Revenue	$25.94
Annual Cost per connection @ 1.75% MAGI	$490.51
Annual available for debt service and coverage per connection	$179.25
Annual available for debt service	$86,613.22
Principal with above amount as annual debt service	$1,603,039.26
Culinary Water Bill (After project) minus Irrigation & Tax revenue	$36.89
Tax Revenue per household	n/a
State SRF	
Federal SRF	

2 - Contacts

Fill In All Boxes Highlighted In YELLOW

1 APPLICANT INFORMATION

System Name: Torrey Town Water System

This is a:

- (•) Political Subdivision (e.g. County, City, Town, Improvement District, Metropolitan Water District, Water Conservancy District, Special Service District, etc.)
- ( ) Private Water System

Address:	P.O. Box 750027
City:	Torrey
State:	UT
Zip Code:	84775
Phone:	435-425-3600
Fax:	

3 - Project Information and Costs

Fill In All Boxes Highlighted In YELLOW

1 BRIEF PROJECT DESCRIPTION

a. Please provide a brief description of your proposed project in the yellow box shown below. (You will have an opportunity to provide a detailed description later.)

Examples:

For a PLANNING project - "Engineering study, including a least-cost analysis, of how to provide better service to the northwest side of town. This region now experiences low pressure and inadequate fire flows."

For a CONSTRUCTION Project - "New spring; 5,000 ft of 8-inch transmission line; 500,000 gal concrete tank"

Repairs of existing spring transmission line with 10" and 8" HDPE and PVC pipe. Installation of 8" pipe within Town to loop the system

b. In what area(s) will the project be constructed? (e.g "Within our town limits and 8 miles south of town.") Within existing waterline easements

		v15.04 9/2/2016 7 am	
	LOAN CALCULATIONS PER AGI METHOD		
ENTER THE FOLLOWING INFORMATION:			
	System Name:	Torrey Town	
	Date:	9-Jan-2017	
	County:	Wayne	
	Project Description:	Repair of existing spring transmis	
	Funding Source:	Federal SRF	
	Funding Status:	100 % Loan & 0	100.00%
2014	State AGI	$43,196	0.00%
2015	2015 MAGI	$28,029	
	Population:	460	
4-Aug-16	RBBI(xDscr)	3.06%	
	Project Cost:	$2,230,000	
	LOF amount $$	$17,000	
	prior Planning Loan?	$0	
	System Contribution:	$15,000	
	Other Agency Funding:	$515,000	CIB Grant
	Other Debts:	$49,000	
	Oper. & Maint. Costs:	$139,000	
They list but it is c	Depreciation:	$0	100%
	Desired Length of Debt:	20	
	Estimated No. of Connections:	604	ERC
	Anticipated Date of Closing:	9-Jun-17	
	Anticipated Due Date for 1st P&I	9-Oct-18	
	Water System Rating:	APPROVED	
	Annual Water Revenue	$224,000	
	Water Bill comment:	* Equivalent Residential Conne	
	10% replacement fund?	No	
	15% replacement fund?	No	
	regionalization plan?	No	
	rate structure?	Yes	
	Grant Amount:	$0	$0
	Equivalent Grant Amount:	$0	$0
	Equivalent comment:	** Equiv. Ann. P	
	% of AGI	1.70%	<== UPDATE
	Irrigation Water Bill per conn.	$4.09	
	Est. Annual Tax Revenue for system	$0.00	
	# of Tax Revenue households	0	
	Old Debt Coverage	1	
	Inflation factor	1.00%	
	Growth Rate	1.00%	
	Impact fees	$0	
	Replacement Reserve	0.0%	
	LOF %	1.0%	
	Financing Required:	$1,700,000	
	calculated LOF $$	$17,000	
	estimated Grant	$0	
	Equivalent Loan Amount:	$1,700,000	
	estimated equiv. Grant	$0	
	Financial Points	37	
	Rev.(Conn fee, Other):	$2,500	
	Reduction for Incentives	2.23%	
	Principal for 1.75% MAGI	$1,603,039.26	

2015 MAGI by City

Statewide MAGI = $43,196

CITY	MEDIAN
ALPINE UT	70,315
ALTA UT	28,513
ALTAMONT UT	56,461
ALTON UT	38,017
ALTONAH UT	45,444
AMALGA UT	46,046
AMERICAN FORK UT	46,552
ANETH UT	23,337
THATCHER UT	41,754
THOMPSON UT	27,080
TICABOO UT	27,009
TOOELE UT	43,626
TOQUERVILLE UT	46,715
TORREY UT	28,029
TREMONTON UT	42,850
TRENTON UT	34,709
TRIDELL UT	54,071
TROPIC UT	44,072
UINTAH UT	65,717
VENICE UT	34,188

		v15.04 9/2/2016 7 am	
	LOAN CALCULATIONS PER AGI METHOD		
ENTER THE FOLLOWING INFORMATION:			
	System Name:	Torrey Town	
	Date:	9-Jan-2017	
	County:	Wayne	
	Project Description:	Repair of existing spring transmis	
	Funding Source:	Federal SRF	
	Funding Status:	100 % Loan & 0	100.00%
2014	State AGI	$43,196	0.00%
2015	2015 MAGI	$28,029	
	Population:	460	
4-Aug-16	RBBI(eDocr)	3.06%	
	Project Cost:	$2,230,000	
	LOF amount $$	$17,000	
	prior Planning Loan?	$0	
	System Contribution:	$15,000	
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They list but it is c	Depreciation:	$0	100%
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	Water Bill comment:	* Equivalent Residential Conne	
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	rate structure?	Yes	
	Grant Amount:	$0	$0
	Equivalent Grant Amount:	$0	$0
	Equivalent comment:	** Equiv. Ann. P	
	% of AGI	1.70%	<== UPDATE
	Irrigation Water Bill per conn.	$4.09	
	Est. Annual Tax Revenue for system	$0.00	
	# of Tax Revenue households	0	
	Old Debt Coverage	1	
	Inflation factor	1.00%	
	Growth Rate	1.00%	
	Impact fees	$0	
	Replacement Reserve	0.0%	
	LOF %	1.0%	
	Financing Required:	$1,700,000	
	calculated LOF $$	$17,000	
	estimated Grant	$0	
	Equivalent Loan Amount:	$1,700,000	
	estimated equiv. Grant	$0	
	Financial Points	37	
	Rev.(Conn fee, Other):	$2,500	
	Reduction for Incentives	2.23%	
	Principal for 1.75% MAGI	$1,603,039.26	

TOTAL PROJECT COST:

Legal	$	20,000
Administrative	$	-
Engineering	$	400,000
Construction	$	1,793,000
SUBTOTAL	$	2,213,000
DDW Administrative Expenses (For Info See Tab 8)	$	16,980 (1.0% of final Loan Amount)
TOTAL	**$**	**2,229,980**

e. The cost estimates shown above were made on: 09/26/16 mm/dd/yy

1 PROPOSED FUNDING PACKAGE

Loan/Grant mix $

a. Utah Drinking Water Board Financial Assistance $ 1,698,000

(1) Note: Historically, the Drinking Water Board authorizes up to 20% principle forgiveness if the applicant qualifies as a hardship community, or possibly 50% grant if the applicant qualifies for State SRF funding (subject to available funds)

b. **Funding From Other Sources:**

		Loan $	Loan %	Loan Yrs	Grant $	Describe STATUS of Funding:
Utah Board of Water Resources		$ -	0.00%	0	$	
Utah Community Impact Board		$ -	0.00%	0	$ 515,000	Pending
Utah Community Development Block Grants					$ -	
USDA Rural Development		$ -	0.00%	0	$ -	
Other Agency 1 - Specify:		$ -	0.00%	0	$ -	
Other Agency 2 - Specify:		$ -	0.00%	0	$ -	
Other Agency 3 - Specify:		$ -	0.00%	0	$ -	
Subtotal		$ - Loans			$ 515,000 Grants	

Total of Loans and Grants from All Agencies $ 2,213,000

Applicant's Contribution $ 16,980 Describe Below:

		v15.04 9/2/2016 7 am	
	LOAN CALCULATIONS PER AGI METHOD		
ENTER THE FOLLOWING INFORMATION:			
	System Name:	Torrey Town	
	Date:	9-Jan-2017	
	County:	Wayne	
	Project Description:	Repair of existing spring transmis	
	Funding Source:	Federal SRF	
	Funding Status:	100 % Loan & 0 :	100.00%
2014	State AGI	$43,196	0.00%
2015	2015 MAGI	$28,029	
	Population:	460	
4-Aug-16	RBBI(eDocr)	3.06%	
	Project Cost:	$2,230,000	
	LOF amount $$	$17,000	
	prior Planning Loan?	$0	
	System Contribution:	$15,000	
	Other Agency Funding:	$515,000	CIB Grant
	Other Debts:	$49,000	
	Oper. & Maint. Costs:	$139,000	
They list but it is c	Depreciation:	$0	100%
	Desired Length of Debt:	20	
	Estimated No. of Connections:	604	ERC
	Anticipated Date of Closing:	9-Jun-17	
	Anticipated Due Date for 1st P&I	9-Oct-18	
	Water System Rating:	APPROVED	
	Annual Water Revenue	$224,000	
	Water Bill comment:	* Equivalent Residential Conne	
	10% replacement fund?	No	
	15% replacement fund?	No	
	regionalization plan?	No	
	rate structure?	Yes	
	Grant Amount:	$0	$0
	Equivalent Grant Amount:	$0	$0
	Equivalent comment:	** Equiv. Ann. P	
	% of AGI	1.70%	<== UPDATE
	Irrigation Water Bill per conn.	$4.09	
	Est. Annual Tax Revenue for system	$0.00	
	# of Tax Revenue households	0	
	Old Debt Coverage	1	
	Inflation factor	1.00%	
	Growth Rate	1.00%	
	Impact fees	$0	
	Replacement Reserve	0.0%	
	LOF %	1.0%	
	Financing Required:	$1,700,000	
	calculated LOF $$	$17,000	
	estimated Grant	$0	
	Equivalent Loan Amount:	$1,700,000	
	estimated equiv. Grant	$0	
	Financial Points	37	
	Rev.(Conn fee, Other):	$2,500	
	Reduction for Incentives	2.23%	
	Principal for 1.75% MAGI	$1,603,039.26	

2 EXISTING WATER SYSTEM DEBT (BEFORE NEW PROJECT)

a. List all outstanding WATER REVENUE BONDS and attach amortization schedules.

Revenue Bond Name	Interest Rate	Years	Original Amount	Balance Remaining	This Year's Annual Payment	Maturity Date	
Series-2009	0.00%	25	$ 390,000	$ 294,000	$ 16,000	07/01/34	mm/dd/yy
Series-2012	0.00%	20	$ 300,000	$ 270,000	$ 15,000	04/01/23	mm/dd/yy
Series-2004	2.50%	20	$ 270,000	$ 152,000	$ 17,800	04/01/25	mm/dd/yy
	0.00%	0	$ -	$ -	$ -		mm/dd/yy
	0.00%	0	$ -	$ -	$ -		mm/dd/yy
	0.00%	0	$ -	$ -	$ -		mm/dd/yy
	0.00%	0	$ -	$ -	$ -		mm/dd/yy
	0.00%	0	$ -	$ -	$		mm/dd/yy

Total Current Annual Payments for Water Revenue Bonds $ 48,800

b. List all outstanding GENERAL OBLIGATION BONDS related to WATER and attach amortization schedules.

G.O. Bond Name	Interest Rate	Years	Original Amount	Balance Remaining	This Year's Annual Payment	Maturity Date	
	0.00%	0	$ -	$ -	$ -		mm/dd/yy
	0.00%	0	$ -	$ -	$ -		mm/dd/yy

8 CURRENT ANNUAL WATER SYSTEM INCOME

Please enter your annual income in the format given below. The information you enter below should be consistent with your latest financial statement.

From Residential Customers	$ 229,047		
From Non-Residential Customers	$ -		
From Taxes	$ -	Specify tax(es):	
From Connection Fees	$ 22,276		
From Impact Fees	$ -		
From Interest Earned	$ -		
From Sales to Other Water Systems	$ 1,250		
From Permit and Inspection Fees	$ -		
Other	$ -	Describe:	
Other	$ -	Describe:	
Other	$ -	Describe:	
Total Annual Income	$ 252,573		

		v15.04 9/2/2016 7 am	
	LOAN CALCULATIONS PER AGI METHOD		
ENTER THE FOLLOWING INFORMATION:			
	System Name:	Torrey Town	
	Date:	9-Jan-2017	
	County:	Wayne	
	Project Description:	Repair of existing spring transmis	
	Funding Source:	Federal SRF	
	Funding Status:	100 % Loan & 0 :	100.00%
2014	State AGI	$43,196	0.00%
2015	2015 MAGI	$28,029	
	Population:	460	
4-Aug-16	RBBI(eDocr)	3.06%	
	Project Cost:	$2,230,000	
	LOF amount $$	$17,000	
	prior Planning Loan?	$0	
	System Contribution:	$15,000	
	Other Agency Funding:	$515,000	CIB Grant
	Other Debts:	$49,000	
	Oper. & Maint. Costs:	$139,000	
They list but it is c	Depreciation:	$0	100%
	Desired Length of Debt:	20	
	Estimated No. of Connections:	604	ERC
	Anticipated Date of Closing:	9-Jun-17	
	Anticipated Due Date for 1st P&I	9-Oct-18	
	Water System Rating:	APPROVED	
	Annual Water Revenue	$224,000	
	Water Bill comment:	* Equivalent Residential Conne	
	10% replacement fund?	No	
	15% replacement fund?	No	
	regionalization plan?	No	
	rate structure?	Yes	
	Grant Amount:	$0	$0
	Equivalent Grant Amount:	$0	$0
	Equivalent comment:	** Equiv. Ann. P	
	% of AGI	1.70%	<== UPDATE
	Irrigation Water Bill per conn.	$4.09	
	Est. Annual Tax Revenue for system	$0.00	
	# of Tax Revenue households	0	
	Old Debt Coverage	1	
	Inflation factor	1.00%	
	Growth Rate	1.00%	
	Impact fees	$0	
	Replacement Reserve	0.0%	
	LOF %	1.0%	
	Financing Required:	$1,700,000	
	calculated LOF $$	$17,000	
	estimated Grant	$0	
	Equivalent Loan Amount:	$1,700,000	
	estimated equiv. Grant	$0	
	Financial Points	37	
	Rev.(Conn fee, Other):	$2,500	
	Reduction for Incentives	2.23%	
	Principal for 1.75% MAGI	$1,603,039.26	

7 CURRENT ANNUAL WATER SYSTEM EXPENSES

Please enter your annual expenses in the format given below. The information you enter below should be consistent with your latest financial statement.

Purchase of Water	$ 1,600		
Pumping			
Maintenance/Labor	$ 42,234		
Treatment/Utilities/Materials	$ 1,380		
Equipment Replacement	$ 2,607		
Other	$ 1,731	Describe:	Memberships/Trainir
Other	$ 7,023	Describe:	Professional Service
Other	$ 70,585	Describe:	Wages/Benefits
Other	$ 3,062	Describe:	Insurance
Other	$ 8,573	Describe:	Office Supplies. Fue
Subtotal	$ 138,795		
Depreciation (from Item 3, above)	$ 63,825		
Funding of Capital Facilities Replacement Fund (from Item 4, above)	$ -		
Annual Payments on Current Debt (Total of Items 2a, 2b and 2c, above)	$ 48,800		

6 CURRENT SERVICE AREA

a. Population

What is the current population of your service area ? 460

b. Connections

Number of Residential Connections	368
Number of Commercial Connections	46
Number of Other Connections	23
Total Connections	437

Describe: Stand-by

c. Equivalent Residential Connections

If you have water use data for your system, please complete the following:

In a typical year, how much water do ALL of your RESIDENTIAL connections consume? 29,509,005 gallons

In a typical year, how much water do ALL of your COMMERCIAL and OTHER connections consume? 18,961,000 gallons

Equivalent Residental Connections (ERC) Analysis

Residental Connections	368
ERC of "Commercial" and "Other" Connections	236
Total Equivalent Resident Connections for Entire System	604

		v15.04 9/2/2016 7 am	
	LOAN CALCULATIONS PER AGI METHOD		
ENTER THE FOLLOWING INFORMATION:			
	System Name:	Torrey Town	
	Date:	9-Jan-2017	
	County:	Wayne	
	Project Description:	Repair of existing spring transmis	
	Funding Source:	Federal SRF	
	Funding Status:	100 % Loan & 0 %	100.00%
2014	State AGI	$43,196	0.00%
2015	2015 MAGI	$28,029	
	Population:	460	
4-Aug-16	RBBI(eDocs)	3.06%	
	Project Cost:	$2,230,000	
	LOF amount $$	$17,000	
	prior Planning Loan?	$0	
	System Contribution:	$15,000	
	Other Agency Funding:	$515,000	CIB Grant
	Other Debts:	$49,000	
	Oper. & Maint. Costs:	$139,000	
They list but it is c	Depreciation:	$0	100%
	Desired Length of Debt:	20	
	Estimated No. of Connections:	604	ERC
	Anticipated Date of Closing:	9-Jun-17	
	Anticipated Due Date for 1st P&I	9-Oct-18	
	Water System Rating:	APPROVED	
	Annual Water Revenue	$224,000	
	Water Bill comment:	* Equivalent Residential Conne	
	10% replacement fund?	No	
	15% replacement fund?	No	
	regionalization plan?	No	
	rate structure?	Yes	
	Grant Amount:	$0	$0
	Equivalent Grant Amount:	$0	$0
	Equivalent comment:	** Equiv. Ann. P	
	% of AGI	1.70%	<== UPDATE
	Irrigation Water Bill per conn.	$4.09	
	Est. Annual Tax Revenue for system	$0.00	
	# of Tax Revenue households	0	
	Old Debt Coverage	1	
	Inflation factor	1.00%	
	Growth Rate	1.00%	
	Impact fees	$0	
	Replacement Reserve	0.0%	
	LOF %	1.0%	
	Financing Required:	$1,700,000	
	calculated LOF $$	$17,000	
	estimated Grant	$0	
	Equivalent Loan Amount:	$1,700,000	
	estimated equiv. Grant	$0	
	Financial Points	37	
	Rev.(Conn fee, Other):	$2,500	
	Reduction for Incentives	2.23%	
	Principal for 1.75% MAGI	$1,603,039.26	
==========	==========	==========	

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LOAN CALCULATIONS PER AGI METHOD

ENTER THE FOLLOWING INFORMATION:

	System Name:	Torrey Town	
	Date:	9-Jan-2017	
	County:	Wayne	
	Project Description:	Repair of existing spring transmis	
	Funding Source:	Federal SRF	
	Funding Status:	100 % Loan & 0	100.00%
2014	State AGI	$43,196	0.00%
2015	2015 MAGI	$28,029	
	Population:	460	
4-Aug-16	RBBI (eDocs)	3.06%	
	Project Cost:	$2,230,000	
	LOF amount $$	$17,000	
	prior Planning Loan?	$0	
	System Contribution:	$15,000	
	Other Agency Funding:	$515,000	CIB Grant
	Other Debts:	$49,000	
	Oper. & Maint. Costs:	$139,000	
They list but it is c	Depreciation:	$0	100%
	Desired Length of Debt:	20	
	Estimated No. of Connections:	604	ERC
	Anticipated Date of Closing:	9-Jun-17	
	Anticipated Due Date for 1st P&I	9-Oct-18	
	Water System Rating:	APPROVED	
	Annual Water Revenue	$224,000	
	Water Bill comment:	* Equivalent Residential Conne	
	10% replacement fund?	No	
	15% replacement fund?	No	
	regionalization plan?	No	
	rate structure?	Yes	
	Grant Amount:	$0	$0
	Equivalent Grant Amount:	$0	$0
	Equivalent comment:	** Equiv. Ann. P	
	% of AGI	1.70%	<== UPDATE
	Irrigation Water Bill per conn.	$4.09	
	Est. Annual Tax Revenue for system	$0.00	
	# of Tax Revenue households	0	
	Old Debt Coverage	1	
	Inflation factor	1.00%	
	Growth Rate	1.00%	
	Impact fees	$0	
	Replacement Reserve	0.0%	
	LOF %	1.0%	
	Financing Required:	$1,700,000	
	calculated LOF $$	$17,000	
	estimated Grant	$0	
	Equivalent Loan Amount:	$1,700,000	
	estimated equiv. Grant	$0	
	Financial Points	37	
	Rev.(Conn fee, Other):	$2,500	
	Reduction for Incentives	2.23%	
	Principal for 1.75% MAGI	$1,603,039.26	

DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

SYSTEM NAME: Torrey Town — FUNDING SOURCE: Federal SRF

COUNTY: Wayne

PROJECT DESCRIPTION: Repair of existing spring transmission line and Installation of 8" pipe within town to loop the sys

100 % Loan

ESTIMATED POPULATION:	460	NO. OF CONNECTIONS:	604	* SYSTEM RATINC
CURRENT AVG WATER BILL:	$35.00 *			PROJECT TOTAI
CURRENT % OF AGI:	1.50%	FINANCIAL PTS:	37	LOAN AMOUNT
ESTIMATED MEDIAN AGI:	$28,029			PRINC. FORGIVE
STATE AGI:	$43,196			TOTAL REQUES
SYSTEM % OF STATE AGI:	65%			

	@ ZERO % RATE	@ RBBI MKT RATE	@ ZERO % RATE
	0%	3.06%	0%
SYSTEM			
ASSUMED LENGTH OF DEBT, YRS:	20	20	20
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	3.06%	2.23%
REQUIRED DEBT SERVICE:	$85,000	$114,902	$106,288
*PARTIAL COVERAGE (15%):	$12,750	$17,235	$15,943
*ADD. COVERAGE AND RESERVE (10%):	$8,500	$11,490	$10,629
ANNUAL NEW DEBT PER CONNECTION:	$175.91	$237.79	$219.97
O & M + FUNDED DEPRECIATION:	$139,000	$139,000	$139,000
OTHER DEBT + COVERAGE:	$49,000	$49,000	$49,000
REPLACEMENT RESERVE ACCOUNT:	$0	$0	$0
ANNUAL EXPENSES PER CONNECTION:	$311.26	$311.26	$311.26
TOTAL SYSTEM EXPENSES	$294,250	$331,627	$320,860
TAX REVENUE:	$0.00	$0.00	$0.00
RESIDENCE			
MONTHLY NEEDED WATER BILL:	$44.69	$49.84	$48.36
% OF ADJUSTED GROSS INCOME:	1.91%	2.13%	2.07%

* Equivalent Residential Connections

Amount System must raise rates	$5.98
equivalent grant component (RBBI to calc rate%)	$1,285,241
equivalent grant component (RBBI to Zero%)	$747,538
equivalent grant component (calc rate to Zero%)	($537,703)
Water Bill @ 1.75% of MAGI	$40.88
Amt of Water Bill for Present O&M, Depreciation and Replacement Account less Other Revenue	$25.94
Annual Cost per connection @ 1.75% MAGI	$490.51
Annual available for debt service and coverage per connection	$179.25
Annual available for debt service	$86,613.22
Principal with above amount as annual debt service	$1,603,039.26
Culinary Water Bill (After project) minus Irrigation & Tax revenue	$36.89
Tax Revenue per household	n/a
State SRF	
Federal SRF	

DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

SYSTEM NAME: Torrey Town
FUNDING SOURCE: Federal SRF
COUNTY: Wayne
PROJECT DESCRIPTION: Repair of existing spring transmission line and Installation of 8" pipe within town to loop the system

100 % Loan & 0 % P.F.

ESTIMATED POPULATION:	460	NO. OF CONNECTIONS:	604 *	SYSTEM RATING:	APPROVED
CURRENT AVG WATER BILL:	$35.00 *			PROJECT TOTAL:	$2,230,000
CURRENT % OF AGI:	1.50%	FINANCIAL PTS:	37	LOAN AMOUNT:	$1,700,000
ESTIMATED MEDIAN AGI:	$28,029			PRINC. FORGIVE.:	$0
STATE AGI:	$43,196			TOTAL REQUEST:	$1,700,000
SYSTEM % OF STATE AGI:	65%				

	@ ZERO % RATE 0%	@ RBBI MKT RATE 3.06%	@ ZERO % RATE 0%		AFTER REPAYMENT PENALTY & POINTS 0.75%
SYSTEM					
ASSUMED LENGTH OF DEBT, YRS:	20	20	20		30
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	3.06%	2.23%		0.75%
REQUIRED DEBT SERVICE:	$85,000	$114,902	$106,288		$63,492
*PARTIAL COVERAGE (15%):	$12,750	$17,235	$15,943		$9,524
*ADD. COVERAGE AND RESERVE (10%):	$8,500	$11,490	$10,629		$6,349
ANNUAL NEW DEBT PER CONNECTION:	$175.91	$237.79	$219.97		$131.40
O & M + FUNDED DEPRECIATION:	$139,000	$139,000	$139,000		$139,000
OTHER DEBT + COVERAGE:	$49,000	$49,000	$49,000		$49,000
REPLACEMENT RESERVE ACCOUNT:	$0	$0	$0		$0
ANNUAL EXPENSES PER CONNECTION:	$311.26	$311.26	$311.26		$311.26
TOTAL SYSTEM EXPENSES	$294,250	$331,627	$320,860		$267,365
TAX REVENUE:	$0.00	$0.00	$0.00		$0.00
RESIDENCE					
MONTHLY NEEDED WATER BILL:	$44.69	$49.84	$48.36		$40.98
% OF ADJUSTED GROSS INCOME:	1.91%	2.13%	2.07%		1.75%

* Equivalent Residential Connections

R309-700-5

Torrey Town
Wayne
January 9, 2017

37 FINANCIAL CONSIDERATIONS:

TABLE 2
FINANCIAL CONSIDERATIONS

	POINTS		POINTS		4	AUTOMATIC		
1. COST EFFECTIVENESS RATIO (SELECT ONE)								
A. Project cost $0 to $500 per benefitting connection	16		16				$2,230,000.00	
B. $501 to $1,500	14		14				604	
C. $1,501 to $2,000	11		11				$3,692.05	
D. $2,001 to $3,000	8		8					
E. $3,001 to $5,000	4	X	4	X	4			
F. $5,001 to $10,000	1		1	X	1			
G. Over $10,000	0		0					
$3,692								
2. CURRENT LOCAL MEDIAN ADJUSTED GROSS INCOME (AGI) (SELECT ONE)					19	AUTOMATIC		
A. Less than 70% of State Median AGI	19	X	19	X	19		$43,196	
B. 71 to 80% of State Median AGI	16		16			64.9%	$28,029	
C. 81 to 95% of State Median AGI	13		13				2015	
D. 96 to 110% of State Median AGI	9		9					
E. 111 to 130% of State Median AGI	6		6					
E. 131 to 150% of State Median AGI	3		3					
F. Greater than 150% of State Median AGI	0		0					
65%								
3. PROJECT FUNDING CONTRIBUTED BY APPLICANT (SELECT ONE)					0	AUTOMATIC		
a. Greater than 25% of project funds	17		17					
b. 15 to 25% of project funds	14		14				$2,230,000	
c. 10 to 15% of project funds	11		11			0.7%	$15,000	
c. 5 to 10% of project funds	8		8					
d. 2 to 5% of project funds	4		4					
e. Less than 2% of project funds	0	X	0	X	0			

Reference Table	
$557,500	25%
$334,500	15%
$223,000	10%
$111,500	5%
$44,600	2%

Total Project Cost
Connections
Cost per Connection
State MAGI
Local MAGI
% of State MAGI
Total Project Cost
Local Contribution
% of Project Cost

4. WATER BILL (INCLUDING TAXES) AFTER PROJECT IS BUILT RELATIVE TO LOCAL MEDIAN ADJUSTED GROSS INCOME (SELECT ONE)						8	AUTOMATIC		
a. Greater than 2.50% of local median AGI	16		16						
b. 2.01 to 2.50% of local median AGI	12		12						
c. 1.51 to 2.00% of local median AGI	8	X	8	X	X	8			
d. 1.01 to 1.50% of local median AGI	3		3	X	X	3		1.70%	
e. 0 to 1.00% of local median AGI	0		0						
	1.70%								
5. SPECIAL INCENTIVE POINTS Applicant: (Mark all that apply)							AUTOMATIC		
A. has a replacement fund receiving annual deposits of 5% of the system's drinking water budget been established, and has already accumulated a minimum of 10% of said annual DW budget in this reserve fund.	5		5					see application	
B. Has a replacement fund equal to at least 15% or 20% of annual DW budget.	5		5						
C. Is creating or enhancing a regionalization plan	16		16						
D. Has a rate structure encouraging conservation	6	X	6	x	6			application	
TOTAL POINTS FOR FINANCIAL NEED	37		37						
TOTAL POSSIBLE POINTS FOR FINANCIAL NEED	100		100						

Existing Capital Replacement Fund

% of Local MAGI

Regionalization

Rate Structure

Total Financial Needs Points

Transferred to Page 1

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DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

LOAN CALCULATIONS PER AGI METHOD

SYSTEM NAME: Torrey Town — FUNDING SOURCE: Federal SRF

COUNTY: Wayne

PROJECT DESCRIPTION: Repair of existing spring transmission line and Installation of 8" pipe within town to loop the sys

100 % Loan

ENTER THE FOLLOWING INFORMATION:

	System Name:	Torrey Town	
	Date:	9-Jan-2017	
	County:	Wayne	
	Project Description:	Repair of existing spring transmis	
	Funding Source:	Federal SRF	
	Funding Status:	100 % Loan & 0	100.00%
2014	State AGI	$43,196	0.00%
2015	2015 MAGI	$28,029	
	Population:	460	
4-Aug-16	RBBI(eDocs)	3.06%	
	Project Cost:	$2,230,000	
	LOF amount $$	$17,000	
	prior Planning Loan?	$0	
	System Contribution:	$15,000	
	Other Agency Funding:	$515,000	CIB Grant
	Other Debts:	$49,000	
	Oper. & Maint. Costs:	$139,000	
They list but it is c	Depreciation:	$0	100%
	Desired Length of Debt:	20	
	Estimated No. of Connections:	604	ERC
	Anticipated Date of Closing:	9-Jun-17	
	Anticipated Due Date for 1st P&I	9-Oct-18	
	Water System Rating:	APPROVED	
	Annual Water Revenue	$224,000	
	Water Bill comment:	* Equivalent Residential Conne	
	10% replacement fund?	No	
	15% replacement fund?	No	
	regionalization plan?	No	
	rate structure?	Yes	
	Grant Amount:	$0	$0
	Equivalent Grant Amount:	$0	$0
	Equivalent comment:	** Equiv. Ann. P	
	% of AGI	1.70%	<== UPDATE
	Irrigation Water Bill per conn.	$4.09	
	Est. Annual Tax Revenue for system	$0.00	
	# of Tax Revenue households	0	
	Old Debt Coverage	1	
	Inflation factor	1.00%	
	Growth Rate	1.00%	
	Impact fees	$0	
	Replacement Reserve	0.0%	
	LOF %	1.0%	
	Financing Required:	$1,700,000	
	calculated LOF $$	$17,000	
	estimated Grant	$0	
	Equivalent Loan Amount	$1,700,000	
	estimated equiv. Grant	$0	
	Financial Points	37	
	Rev.(Conn fee, Other):	$2,500	
	Reduction for Incentives	2.23%	
	Principal for 1.75% MAGI	$1,603,039.26	

ESTIMATED POPULATION:	460	NO. OF CONNECTIONS:	604 *	SYSTEM RATING
CURRENT AVG WATER BILL:	$35.00 *			PROJECT TOTAL
CURRENT % OF AGI:	1.50%	FINANCIAL PTS:	37	LOAN AMOUNT
ESTIMATED MEDIAN AGI:	$28,029			PRINC. FORGIVE
STATE AGI:	$43,196			TOTAL REQUES
SYSTEM % OF STATE AGI:	65%			

	@ ZERO % RATE	@ RBBI MKT RATE	@ ZERO % RATE
	0%	3.06%	0%
SYSTEM			
ASSUMED LENGTH OF DEBT, YRS:	20	20	20
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	3.06%	2.23%
REQUIRED DEBT SERVICE:	$85,000	$114,902	$106,288
*PARTIAL COVERAGE (15%):	$12,750	$17,235	$15,943
*ADD. COVERAGE AND RESERVE (10%):	$8,500	$11,490	$10,629
ANNUAL NEW DEBT PER CONNECTION:	$175.91	$237.79	$219.97
O & M + FUNDED DEPRECIATION:	$139,000	$139,000	$139,000
OTHER DEBT + COVERAGE:	$49,000	$49,000	$49,000
REPLACEMENT RESERVE ACCOUNT:	$0	$0	$0
ANNUAL EXPENSES PER CONNECTION:	$311.26	$311.26	$311.26
TOTAL SYSTEM EXPENSES	$294,250	$331,627	$320,860
TAX REVENUE:	$0.00	$0.00	$0.00
RESIDENCE			
MONTHLY NEEDED WATER BILL:	$44.69	$49.84	$48.36
% OF ADJUSTED GROSS INCOME:	1.91%	2.13%	2.07%

* Equivalent Residential Connections

Amount System must raise rates	$5.98
equivalent grant component (RBBI to calc rate%)	$1,285,241
equivalent grant component (RBBI to Zero%)	$747,538
equivalent grant component (calc rate to Zero%)	($537,703)
Water Bill @ 1.75% of MAGI	$40.88
Amt of Water Bill for Present O&M, Depreciation and Replacement Account less Other Revenue	$25.94
Annual Cost per connection @ 1.75% MAGI	$490.51
Annual available for debt service and coverage per connection	$179.25
Annual available for debt service	$86,613.22
Principal with above amount as annual debt service	$1,603,039.26
Culinary Water Bill (After project) minus Irrigation & Tax revenue	$36.89
Tax Revenue per household	n/a
State SRF	
Federal SRF	

	Irrigation Water Bill per conn.	$4.09
	Est. Annual Tax Revenue for system	$0.00
	# of Tax Revenue households	0
	Old Debt Coverage	1
	Inflation factor	1.00%
	Growth Rate	1.00%
	Impact fees	$0
	Replacement Reserve	0.0%
	LOF %	1.0%
	Financing Required:	$1,700,000
	calculated LOF $$	$17,000
	estimated Grant	$0
	Equivalent Loan Amount:	$1,700,000
	estimated equiv. Grant	$0
	Financial Points	37
	Rev.(Conn fee, Other):	$2,500
	Reduction for Incentives	2.23%
	Principal for 1.75% MAGI	$1,603,039.26
=========	==========	==========
	Rate increase	$9.69
	Special Incentives Points calculation	
	Current 20 yr "A" rated muni bond	3.06%
	Financial Points Modifier	0.63
	Early Repayment Penalty	0.30%
	Rate @ 5 yr term	**1.93%**
	(w/o special incentives modifier)	1.93%
	% MAGI to State MAGI	64.9%

Financial Points

Financial Points Modifier

1 – (Financial Points / 100) = Financial Points Modifier

1 – (37 / 100) = 0.63

	Irrigation Water Bill per conn.	$4.09
	Est. Annual Tax Revenue for system	$0.00
	# of Tax Revenue households	0
	Old Debt Coverage	1
	Inflation factor	1.00%
	Growth Rate	1.00%
	Impact fees	$0
	Replacement Reserve	0.0%
	LOF %	1.0%
	Financing Required:	$1,700,000
	calculated LOF $$	$17,000
	estimated Grant	$0
	Equivalent Loan Amount:	$1,700,000
	estimated equiv. Grant	$0
	Financial Points	37
	Rev.(Conn fee, Other):	$2,500
	Reduction for Incentives	2.23%
	Principal for 1.75% MAGI	$1,603,039.26
==========	==========	==========
	Rate increase	$9.69
	Special Incentives Points calculation	
	Current 20 yr "A" rated muni bond	3.06%
	Financial Points Modifier	0.63
	Early Repayment Penalty	0.30%
	Rate @ 5 yr term	**1.93%**
	(w/o special incentives modifier)	1.93%
	% MAGI to State MAGI	64.9%

RBBI

Financial Points Modifier

5-year Base Interest Rate

RBBI x Modifier = 5 yr base rate

3.06% x 0.63 = 1.93%

5 yr base rate + Term Penalty = Bond Interest Rate

1.93% + 0.30% = 2.23%

	Irrigation Water Bill per conn.	$4.09
	Est. Annual Tax Revenue for system	$0.00
	# of Tax Revenue households	0
	Old Debt Coverage	1
	Inflation factor	1.00%
	Growth Rate	1.00%
	Impact fees	$0
	Replacement Reserve	0.0%
	LOF %	1.0%
	Financing Required:	$1,700,000
	calculated LOF $$	$17,000
	estimated Grant	$0
	Equivalent Loan Amount:	$1,700,000
	estimated equiv. Grant	$0
	Financial Points	37
	Rev.(Conn fee, Other):	$2,500
	Reduction for Incentives	2.23%
	Principal for 1.75% MAGI	$1,603,039.26
==========	==========	==========
	Rate increase	$9.69
	Special Incentives Points calculation	
	Current 20 yr "A" rated muni bond	3.06%
	Financial Points Modifier	0.63
	Early Repayment Penalty	0.30%
	Rate @ 5 yr term	**1.93%**
	(w/o special incentives modifier)	1.93%
	% MAGI to State MAGI	64.9%

Bond Interest Rate

5-year Base Interest Rate

Term Penalty

RBBI x Modifier = 5 yr base rate

3.06% x 0.63 = 1.93%

5 yr base rate + Term Penalty = Bond Interest Rate

1.93% + 0.30% = 2.23%

DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

SYSTEM NAME: Bluffdale

FUNDING SOURCE: Federal SRF

PROJECT DESCRIPTION: tank, pump station, waterline

100 % Loan & 0 % P.F.

ESTIMATED POPULATION:	8,200	NO. OF CONNECTIONS:	1700 *	SYSTEM RATING:	APPROVED
CURRENT AVG WATER BILL:	$52.86 *			PROJECT TOTAL:	$7,303,000
CURRENT % OF AGI:	1.37%	FINANCIAL PTS:	43	LOAN AMOUNT:	$3,573,000
ESTIMATED MEDIAN AGI:	$46,176			PRINC. FORGIVENESS:	$0
STATE AGI:	$36,665			TOTAL REQUEST:	$3,573,000
SYSTEM % OF STATE AGI:	126%				

	@ ZERO % RATE	@ RBBI MKT RATE			AFTER REPAYMENT PENALTY & POINTS
	0%	5.25%			3.29%
ASSUMED LENGTH OF DEBT, YRS:	20	20			20
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	5.25%			3.29%
REQUIRED DEBT SERVICE:	$178,650.00	$292,815.51			$246,646.91
*PARTIAL COVERAGE (15%):	$0.00	$0.00			$0.00
*ADD. COVERAGE AND RESERVE (10%):	$17,865.00	$29,281.55			$24,664.69
ANNUAL DEBT PER CONNECTION:	$115.60	$189.47			$159.60
O & M + FUNDED DEPRECIATION:	$1,039,643.00	$1,039,643.00			$1,039,643.00
OTHER DEBT + COVERAGE:	$65,781.25	$65,781.25			$65,781.25
REPLACEMENT RESERVE ACCOUNT:	$63,545.90	$69,254.18			$66,945.75
NEEDED SYSTEM INCOME:	$989,520.15	$995,228.43			$992,920.00
ANNUAL O&M PER CONNECTION:	$582.07	$585.43			$584.07
AVG MONTHLY WATER BILL:	$58.14	$64.57			$61.97
% OF ADJUSTED GROSS INCOME:	1.51%	1.68%			1.61%

*

SRF – Timeline

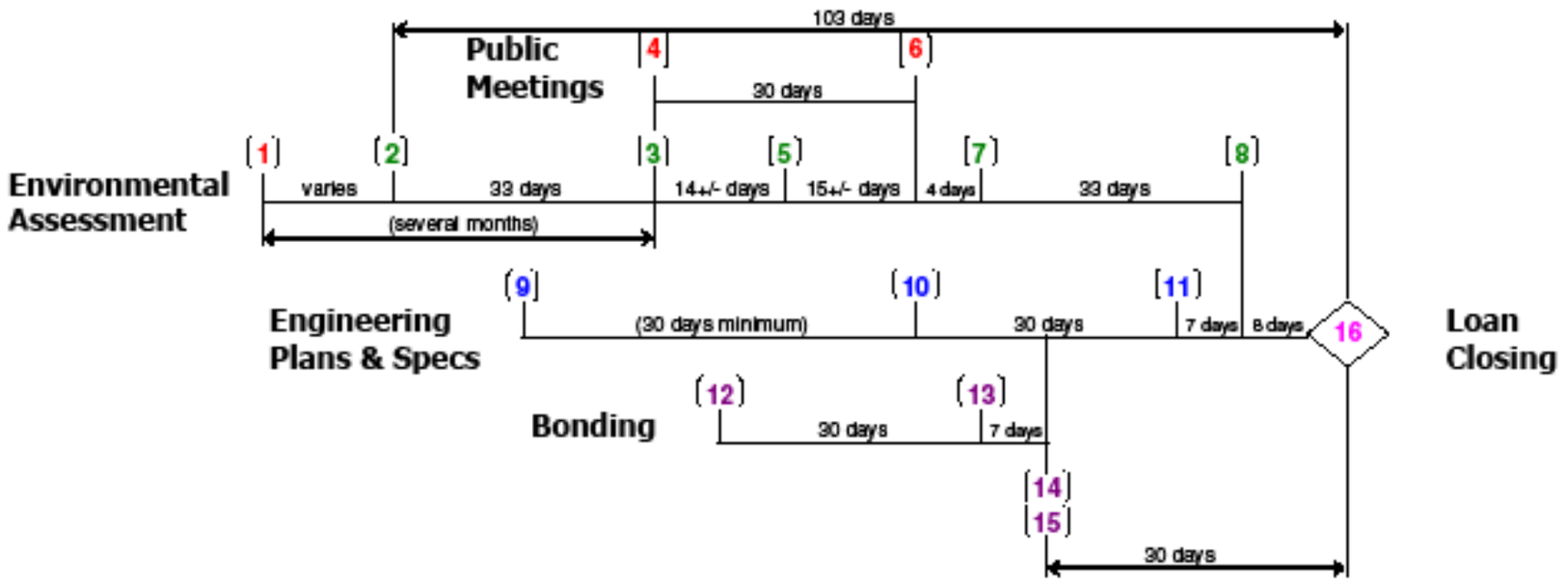
- **Project Presented to Financial Assistance Committee (one month prior to Board Mtg)**
  - Committee has several options:
    - Move the project to the Drinking Water Board
      - With funding recommendation
      - Without funding recommendation
    - Table the project/Request additional information

- **Project Presented to Drinking Water Board**
  - DWB has several options
    - Authorize funding
    - Not authorize funding
    - Table the project/Request additional information

SRF – Loan Closing Timeline

Applicant Name
Water System # _____
SRF Loan # _____

Timeline For Federal SRF Projects Prior to Loan Closing
Utah Division of Drinking Water



Step	Description	Estimated Date
1	Announce "Public Notice" of meeting & encourage public participation. Hold initial public, council, or other meeting.	
	Discuss master plan, alternatives, user fees/rates, other impacts, etc. Select alternative. May hold more than one mtg.	
2	DDW sends letters to cross-cutter agencies for comments. Allow 30 days to respond.	
3	Finalize Engineering Facilities Plan for Environmental Assessment (EA). (*This step could take up to several months.)	
4	Advertise date, time, location of public meeting for EA. Must advertise 30 days in advance.	
5	Provide Engineering Facilities Plan and EA draft to Division of Drinking Water (DDW) for comments.	
6	Hold final (or 2nd) public meeting to present EA findings.	
7	Publish finding from EA (e.g. FONSI, if appropriate). Allow 30 days for responses to FONSI.	
8	Evaluate responses to FONSI or other determination.	
9	Submit plans and specs to DDW for review and approval (30 days minimum).	
10	Advertise bid package.	
11	Bid opening. Allow 15 days for DDW to review bidding & MBE/WBE documents, and check federal disbarment list.	
12	Council/Board Mtg. Pass Intent to Bond. Advertise for 30 days.	
13	Council/Board Mtg. – Pass Bond resolution.	
14	Deliver bond resolution and related documents to DDW attorney (30 days fore Loan Closing).	
15	Deliver all required Legal work to DDW attorney (30 days before Loan Closing).	
16	Loan Closing: date & time, location, participants, required documents, etc.	

SRF TimeLine_template.xls

Revised 4/8/05

Board Philosophy

The Board's Philosophy has been to provide incentives to water systems for:

- Complying with Board priorities and striving for sustainability
  - By using system funds for the project
  - By establishing reserve accounts
  - By showing a willingness to regionalize
  - By implementing necessary water rates to:
    - Cover O&M costs
    - Build reserve funds
    - Encourage conservation
- Economically feasible projects
  - Relatively low cost per connection
- Disadvantaged community status (low local MAGI and/or high average water bill)

Affordability Comparisons

Year	State MAGI	Avg Monthly Water Bill	% of MAGI
2013	$40,489	$47.03	1.39%
2011	$37,718	$39.53	1.26%
2009	$36,655	$44.58	1.46%
2006	$37,110	$37.11	1.20%
2002	$32,419	$32.96	1.21%

Authorized Projects

UTAH DRINKING WATER FUNDED PROJECTS
2013 THROUGH 2017

COUNTY	DDW FUNDING AMOUNT	TOTAL PROJECT COST	NUMBER OF PROJECTS
BEAVER	$ -		0
BOX ELDER	$ 6,021		
CACHE	$ 2,657		
CARBON	$ 4,335		
DAGGETT	$ 3,116		
DAVIS	$ 4,156		
DUCHESNE	$ 529		
EMERY	$		
GARFIELD	$ 4,517		
GRAND	$ 380		
IRON	$ 654		
JUAB	$ 22,975		
KANE	$ 3,711		
MILLARD	$ 2,152		
MORGAN	$		

UTAH DRINKING WATER FUNDED PROJECTS
2013 THROUGH 2017

COUNTY	DDW FUNDING AMOUNT	TOTAL PROJECT COST	NUMBER OF PROJECTS
PIUTE	$ 130,000	$ 130,000	1
RICH			0
SALT LAKE	$ 1,308,000	$ 1,349,280	3
SAN JUAN	$ 2,589,000	$ 5,139,000	2
SANPETE	$ 7,161,687	$ 7,256,819	2
SEVIER	$ 1,284,000	$ 178,000	5
SUMMIT	$ 1,894,266	$ 1,882,000	9
TOOELE	$ 1,700,900	$ 1,700,900	7
UINTAH			0
UTAH	$ 7,795,000	$ 8,865,000	5
WASATCH	$642,000	$642,000	1
WASHINGTON	$ 10,121,050	$ 10,386,700	11
WAYNE	$1,772,821	$1,772,821	4
WEBER	$ 9,912,131	$ 9,957,131	6
TOTAL	$ 101,515,376	$ 124,297,737	109

References

1 - ***Drinking Water State Revolving Fund Program Operations Manual***, p. 2

2 - Ibid, p. 2

3 - Ibid, p. 13

??Questions??