


A dynamic background image featuring a splash of clear water at the top, with numerous bubbles of various sizes rising and floating throughout the light blue gradient background.

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# 2024 State Asset Management Initiatives

## June 26, 2024



Drew Pizzala, Asset Management Coordinator EPA  
Capacity Development Branch  
Office of Groundwater & Drinking Water  
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# Why Is Asset Management Important?

- Asset management is critical to the financial and operational success of drinking water systems.
- It increases a drinking water system's ability to meet federal and state requirements.
- It is important for states, TA Providers, and communities to make continuous implementation improvements with funding, regulatory, assistance, and internal activities that promote asset management.
- States, TA Providers, and communities are encouraged to use the Asset Management Initiatives Document as a resource for networking with one another, to strengthen state asset management programs and overcome barriers.

# Asset Management Supports Drinking Water System Capacity

- **State Capacity Development Programs protect public health** by building the Technical, Managerial, and Financial (TMF) capacity of drinking water systems
  - Achieves safe, reliable drinking water and long-term sustainability
- **EPA helps states and drinking water systems** through capacity building resources:
  - Outreach, training, and technical assistance
  - Establishes professional standards for operators, promotes compliance, provides training & certification, and encourages continuous learning
- **EPA Water Technical Assistance (WaterTA) can help**
  - With states, Tribes, territories, community partners, and stakeholders, we help communities solve their water challenges

# Key EPA Resources to Support Capacity Building and Asset Management

- Asset Management: A Handbook for Small Water Systems (STEP Guide)
  - Designed for owners and operators of small community water systems (CWSs). This guide presents basic concepts of asset management and provides the tools to develop an asset management plan.
- Reference Guide for Asset Management Tools
  - For state staff and technical assistance providers and is intended to help assist small and medium sized drinking water or wastewater systems in identifying resources that can be used to implement asset management practices. This guide provides a framework to assist systems in all aspects of developing and implementing an asset management plan.

# Key EPA Resources to Support Capacity Building and Asset Management (Continued)

- 2024 State Asset Management Initiatives Document
  - Summarizes the asset management initiatives taken by states as described directly in their revised capacity development strategies to help public water systems (PWSs) to improve their financial health and reliability to provide safe drinking water.
- **Scan the QR code** to see more resources from EPA linked to capacity building, including asset management.



# EPA WaterTA Supports Communities to:



Identify water challenges



Plan for solutions



Increase community engagement



Improve compliance and access to safe and clean water services

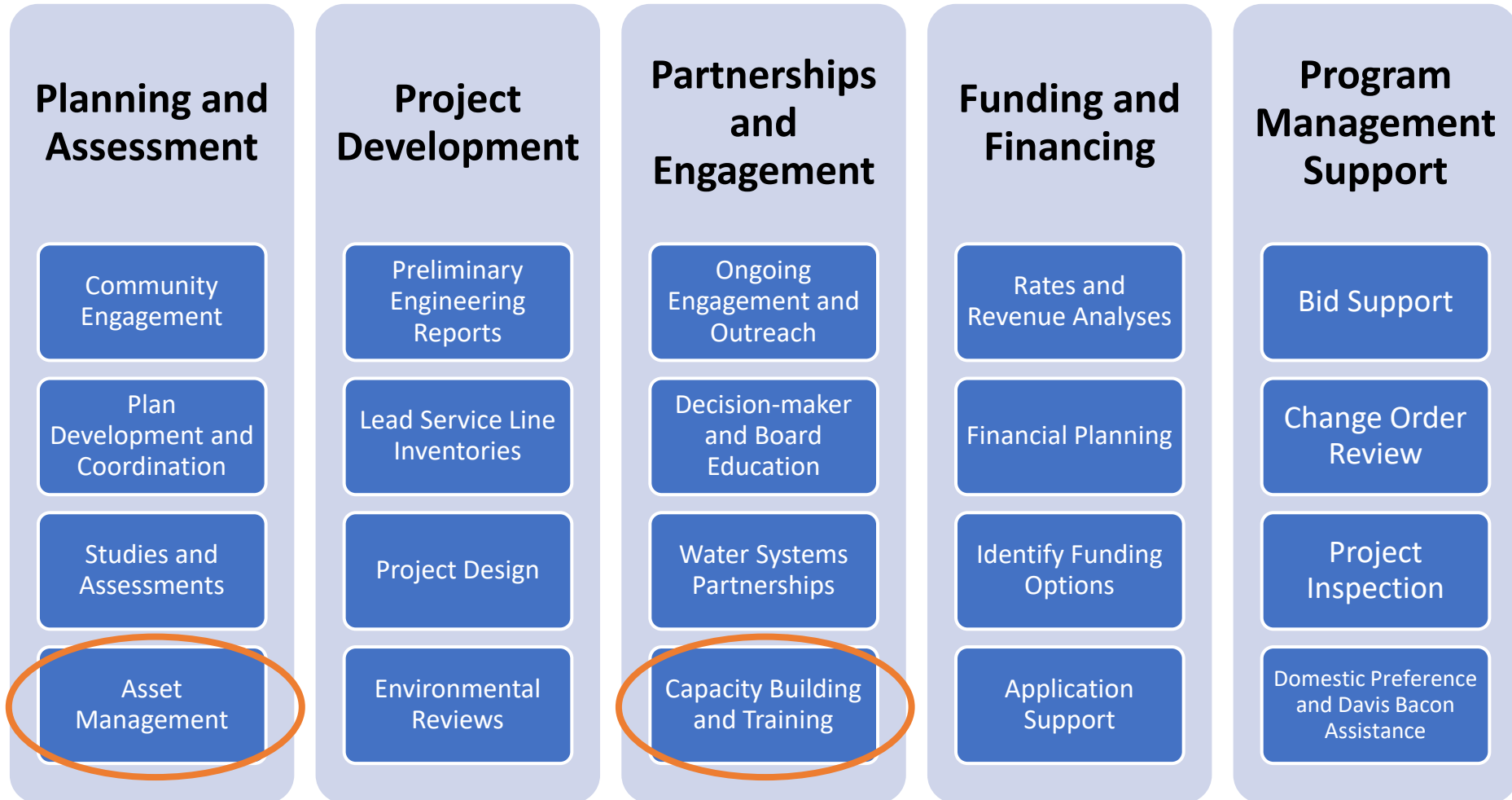


Build technical, financial, managerial capacity



Develop application materials to access water infrastructure funding

# WaterTA Services





# More information on WaterTA

- Visit [www.epa.gov/waterta](http://www.epa.gov/waterta) for more information
- Email your questions to [WaterTA@epa.gov](mailto:WaterTA@epa.gov)
- Visit <https://www.epa.gov/water-infrastructure/forms/water-technical-assistance-request-form> to submit a WaterTA request





# 2024 State Asset Management Initiatives Document

# What are Assets?

All the physical components, buildings, land, and people needed to deliver safe and clean water.

- Physical components can be small to large, sometimes expensive, often long-lived and buried
- Essential to protect public health



# Asset Management is...

*"A process for maintaining a desired level of customer service at the best appropriate cost."*

This includes:



Building an inventory of your assets



Scheduling and tracking maintenance tasks through work orders



Managing your budgeted and actual annual expenses and revenue

# Asset Management will...

Give drinking water systems a documented understanding of:

- The assets they have
- How long assets are going to last
- How much it's going to cost to repair, rehabilitate, or replace assets
- If current rates and other revenue generating mechanisms are enough to fund maintenance and investments in assets.

# Why Did EPA Create the Asset Management Initiatives Document?

- Opportunity for state agencies, TA Providers, and communities to learn about the various initiatives that other states are undertaking to promote asset management.
- Encourage collaborations with technical assistance providers.
- Develop and provide resources that guide future asset management assistance for drinking water systems.

# The Main Categories of State Initiatives to Promote Asset Management

- **Funding Activities** – The ways in which asset management is funded or awarded funding, including through state grant programs, the utilization of DWSRF set-asides, or part of loan conditions and forgiveness.
- **Regulatory Activities** – How asset management is integrated into state requirements, such as within state statutes or codes, sanitary survey reviews, or training requirements.

# The Main Categories of State Initiatives to Promote Asset Management

- **Assistance Activities** – Efforts to encourage asset management, including training, outreach, guidance documents, and technical assistance activities.
- **Internal Activities** – Activities at the agency level to further promote asset management, such as training for state staff and consideration of new asset management requirements.



# States' Drinking Water State Revolving Fund Set-Asides Asset Management Activities

Utilizes DWSRF Set-Asides for Asset Management Training/Technical Assistance	
Arkansas	ADH utilizes set-asides from the DWSRF for small systems technical assistance, with areas of assistance including asset management plans.
Florida	The Florida Department of Environmental Protection's contract with the Florida Rural Water Association (FRWA) to prepare asset management plans was expanded to add drinking water systems using set-aside funding.
Georgia	Georgia uses set-aside funds to promote asset management plan development and implementation training.
Idaho	DWSRF set-asides can be used for asset management planning grants.
Massachusetts	DWSRF set-asides can be used to fund technical assistance providers that assist in leak detection and other asset management activities.

# Which Asset Management Activities are Most Popular Among States?

*Table 2: Top Asset Management Activities in Each Category*

Rank	Funding	Regulatory	Assistance	Internal
1	Loan Condition and Forgiveness Programs (25 states)	Sanitary Survey (32 states)	Training (50 states)	Future Implementation (11 states)
2	SRF Priority Points (23 states)	State Statutes or Codes for Asset Management Planning (13 states)	Technical Assistance (43 states)	State Staff Training (8 states)
3	Funding for Asset Management Planning (22 states)	Additional Business or Financial Planning Requirements (13 states)	Outreach (35 states)	Considering Regulatory Requirements (5 states)

# Categories of State Initiatives to Promote Asset Management (Data Subset)

	Funding Activities				Regulatory Activities					Assistance Activities					Internal Activities			
	SRF Priority Points	Funding for AM Planning	Utilizes DWSRF Set-Asides	Loan Condition and Forgiveness Programs	State Statutes or Codes for AM Planning	Training Requirements	Additional Business or Financial Planning Requirements	Sanitary Survey	Needs Assessment	Training	Outreach	Technical Assistance	Guidance Document	Questions in Capacity Assessments	Training for State Staff	Considering Incentives in SRF Program	Considering a Regulatory Requirement	Other Future Implementation
New Jersey	X	X		X	X					X	X	X	X		X			
New Mexico				X						X		X						
New York		X		X						X	X	X	X	X				
North Carolina	X	X								X		X	X					
North Dakota	X									X	X	X		X				
Ohio		X	X	X	X					X	X	X	X					X
Oklahoma				X						X	X	X		X				
Oregon				X						X	X	X	X	X		X		
Pennsylvania	X	X		X			X	X		X	X	X						X
Puerto Rico		X								X	X	X	X			X		X
Rhode Island			X	X			X			X		X						
South Carolina		X		X						X	X	X						
South Dakota			X	X						X	X	X	X	X				
Tennessee	X	X								X	X	X				X		
Texas	X	X								X	X	X	X					
Utah	X	X	X	X	X		X	X	X	X	X	X	X	X				

# Conclusions

- Asset management is critical to financial and operational success of drinking water systems.
- It increases a drinking water system's ability meeting federal and state requirements.
- It is important for states, TA Providers, and communities to make continuous implementation improvements with funding, regulatory, assistance, and internal activities that promote asset management.
- States, TA Providers, and communities are encouraged to use the Asset Management Initiatives Document for networking with one another, to strengthen state asset management programs and overcome barriers.



Thank you

Drew Pizzala (EPA)  
Pizzala.Andrew@epa.gov



UTAH DEPARTMENT *of*  
ENVIRONMENTAL QUALITY  
**DRINKING  
WATER**

## Asset Management in the State of Utah





**Michael J. Grange, P.E.**  
Infrastructure Funding Section  
Utah Division of Drinking Water

**State**  
**Asset Management Initiatives**  
**Webinar**  
June 26, 2024

# Utah in General

Population

3,417,473

Area

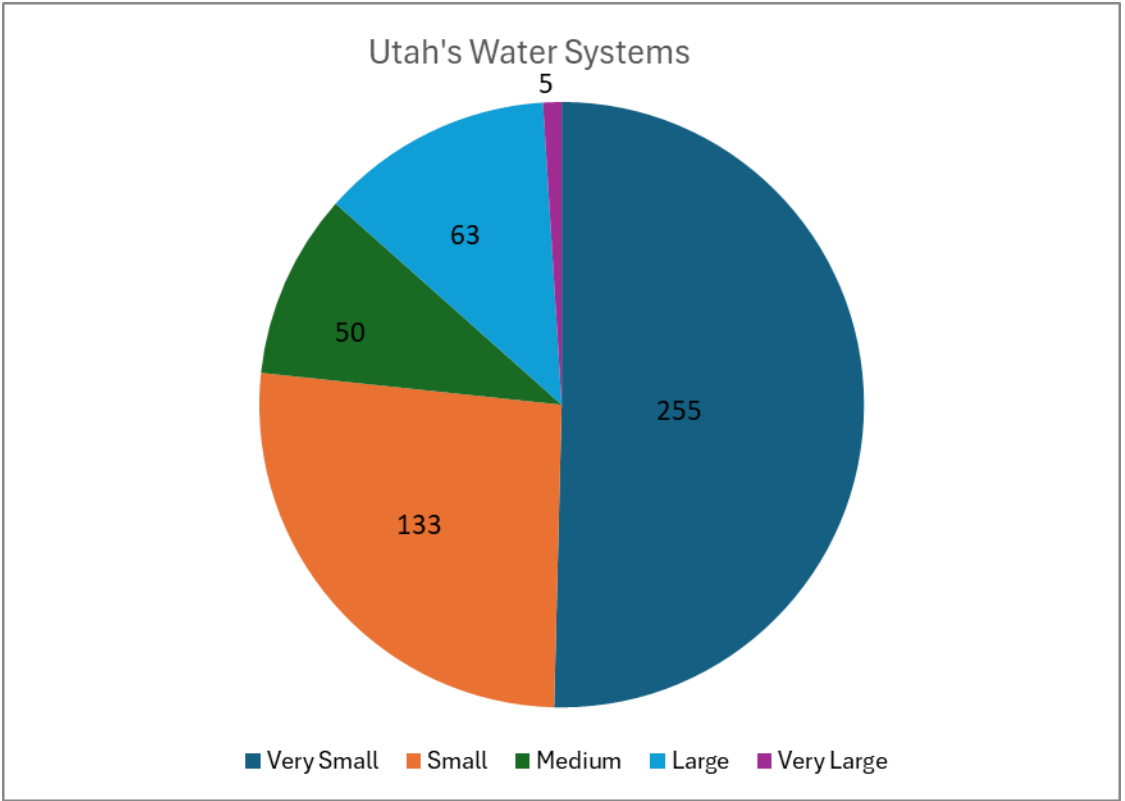
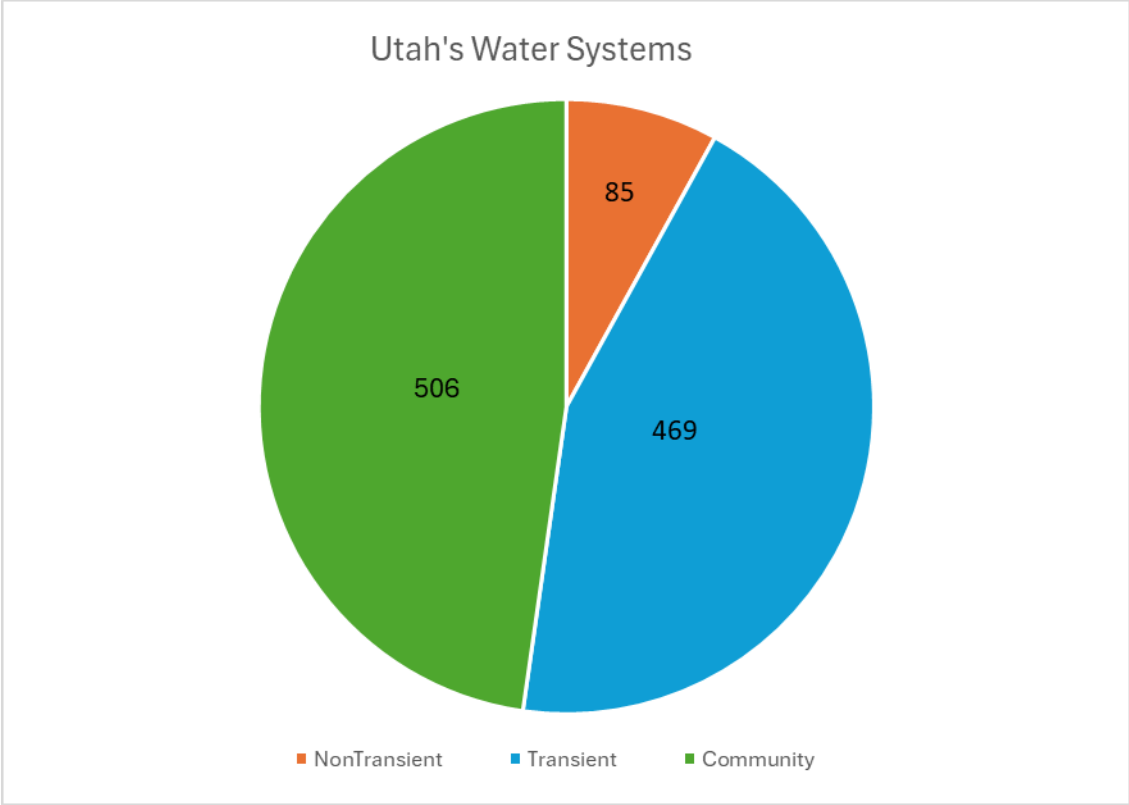
82,168 sq miles

Active Water Systems

1,060



# Utah in General



# Utah's DWSRF Programs

## State SRF Program

Established by legislature in 1984

Funding Source: annual state sales tax allocation

- Capped at \$3,587,000

Provides:

- Financial Assistance for infrastructure projects, political entities only
- Federal program state match

## Federal SRF Program

Established by 1996 SDWA Amendments

Funding Source: Annual Capitalization Grant

- Utah is a 1% state
- Average around \$10,000,000 per year, prior to BIL
- No leveraging

Provides:

- Financial Assistance for infrastructure projects, political entities or privately-owned systems

# Challenge and Opportunity

A photograph of a large, rugged mountain peak covered in snow, set against a clear blue sky. The mountain's surface is textured with shadows and highlights, suggesting a steep, rocky terrain partially obscured by white snow. The sky is a deep, vibrant blue with a few wispy clouds near the horizon.

“Remember that every challenge — every adversity — contains within it the seeds of opportunity and growth.”

- Roy T. Bennett

“Smooth seas do not make skillful sailors.”

- African Proverb

# Asset Management and AWIA

- AWIA required states to modify their drinking water program to “include as appropriate asset management into their state capacity development strategies.”
- Revised strategy documents were due to EPA region offices by December 31, 2021
  - Later modified to December 2022



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

DEC - 2 2019

OFFICE OF WATER

## MEMORANDUM

**SUBJECT:** Implementation of Capacity Development Program – Related Safe Drinking Water Act Amendments in the America’s Water Infrastructure Act

**FROM:** Jennifer L. McLain, Director  
Office of Ground Water and Drinking Water

A handwritten signature in blue ink that reads 'Jennifer L. McLain'.

**TO:** Water Division Directors  
Regions I-X

The 2018 America’s Water Infrastructure Act (AWIA), Section 2012, requires state drinking water programs to consider and include as appropriate asset management into their state capacity development strategies. Consistent with this statutory change, state drinking water programs are expected to revise their capacity development strategies to include a description of how asset management will be promoted through addressing the five-core-question framework of asset management<sup>1</sup> explained in the attachment. State drinking water programs are expected to submit their revised capacity development strategy to their U.S. Environmental Protection Agency (EPA) regional office for approval by December 31, 2021.

This memorandum assists the EPA and states in implementing the AWIA requirements. The attachment to this memorandum describes the approaches and methods for asset management promotion and training that are consistent with the AWIA requirements. The attachment also presents important considerations that primacy agencies and public water systems should evaluate before pursuing asset management. The EPA Regions should share this information with their primacy agencies. The Office of Ground Water and Drinking Water (OGWDW) conducted outreach with states to learn more about current asset management promotion approaches and possible implementation challenges to revising capacity development strategies, and OGWDW has used the information learned to develop this memo.

### **Background**

Technical, managerial, and financial (TMF) capacity is necessary for a water system to continuously provide safe, reliable drinking water. The Safe Drinking Water Information System (SDWIS) data (reported by the states) show that operational issues account for an increasing number of health-based violations. This is especially true for very small water systems, which can be more challenged to quickly resolve the underlying issues. TMF capacity building includes asset management planning.

<sup>1</sup> The five-core-question framework is a good starting point for any system; the framework walks a system through all the major activities associated with asset management. Visit: <https://nepis.epa.gov/Exe/ZyPdf.cgi?Dockey=P1000LTX.txt>

# Asset Management and AWIA

- Utah began updating its Strategy Document in mid-2021
- Also updating the required rules
  - Drinking Water SRF Rules
    - Federal Program
    - State Program
  - Capacity Development Rule
- State Legislature introduced a bill mandating asset management in its 2022 session

114 (b) is owned by a water provider.  
115 (2) "Governing body" means:  
116 (a) for a political subdivision, the political subdivision governing body defined in  
117 Section 63A-15-102; or  
118 (b) for a private entity, the private entity's board of directors, managing members,  
119 partners, or equivalent body.  
120 (3) "Retail water supplier" means the same as that term is defined in Section 19-4-102.  
121 (4) "Water conservancy district" means the same as that term is defined in Section  
122 73-10-32.  
123 (5) "Water provider" means:  
124 (a) a retail water supplier; or  
125 (b) a water conservancy district.  
126 Section 6. Section 73-10g-402 is enacted to read:  
127 73-10g-402. Capital asset management.  
128 (1) As a condition of receiving state or federal financing or grants to be used for an  
129 improvement to a capital asset related to water infrastructure, the governing body of a water  
130 provider shall commit to adopt a capital asset management plan.  
131 (2)(a) The Drinking Water Board shall make rules, in accordance with Title 63G,  
132 Chapter 3, Utah Administrative Rulemaking Act, to establish the elements of a capital asset  
133 management plan required under Subsection (1) for a water provider that is a retail water  
134 supplier.  
135 (b) The Board of Water Resources shall make rules, in accordance with Title 63G,  
136 Chapter 3, Utah Administrative Rulemaking Act, to establish the elements of a capital asset  
137 management plan required under Subsection (1) for a water provider that is a water  
138 conservancy district.  
139 (3) A qualified water conservancy district, as defined in Section 17B-2a-1010, is not  
140 subject to this section but shall comply with Section 17B-2a-1010.  
141 Section 7. Section 73-10g-403 is enacted to read:

# Asset Management and AWIA

- Final Strategy Document submitted to EPA December 2022

Utah DDW will work closely with all stakeholder groups to promote and encourage technical, managerial, and financial capacity and asset management among Utah's water utilities. Utah DDW will encourage stakeholders to take an active role with utilities through training and discussion to answer questions and provide feedback to Utah DDW to continuously improve training and hands-on assistance to water utilities during site visits and assessments.

## F. Promoting Asset Management

Section 2012 of the America's Water Infrastructure Act of 2018 requires that states include in their Capacity Development Program Strategies a description of how asset management will be promoted and encouraged within the state. Asset management can help water systems address aging water infrastructure, make sound financial decisions to maximize limited financial resources, make costs transparent, and support budgeting decisions. A proper asset management plan can improve a system's service and reliability, reduce risk and unexpected costs, and enhance communication with customers and stakeholders, in addition to many other benefits.

An asset management plan is the foundation for an effective asset management program and typically includes sections describing level of service goals, current performance metrics and measurements, future demand estimates, risk management, life cycle management plans (e.g., maintenance plans, rehabilitation and replacement plans), and financial forecasts.

The asset management framework is built on the following five core questions, the answers to which will form the basis of each section in the asset management plan.

1. What is the current state of the utility's assets?
2. What is the utility's required "sustainable" level-of-service?
3. Which assets are critical to sustained performance?
4. What are the utility's best "minimum life-cycle cost" capital improvement plan and operations and maintenance strategies?
5. What is the utility's best long-term financing strategy?

Utah DDW's technical assistance program will use DWSRF set asides and third-party contractors to provide training on these five core elements and promote and encourage asset management for all the state's public water systems. Asset management training will focus on helping systems understand asset management, developing asset management plans, identifying tools & techniques for inventory development, water system mapping methods, financial planning and implementation strategies including rate structures, billing policies and procedures, and proper budgeting methods. Other pertinent aspects of asset management plans and asset management programs will also be included based on water system input and comments.

# Asset Management and AWIA

- Updated Program Rules became effective May 22, 2023
- Updated program letters, forms, and checklists to implement asset management



Dej  
Enviro  
Kin  
En  
DIVISION

November 3, 2023  
The Honorable Contact Person, M  
System Name  
Address  
City, Utah 84000  
Subject: Federal SRF Loan Au  
System #XXXXXX, Loa

Dear Mayor Contact Name and To  
On DWB meeting date, the Drin  
of \$0,000,000, with \$000,000 in  
years at 0% interest/hardship  
called the "Recipient") for the co  
Recipient will contribute \$System  
by General Obligation bond(s). No  
Recipient as incremental disburser  
quarterly basis. The Board has del  
(20) years, with interest fee assess  
loan funds. The annual Interest R  
Bonds, plus interest assessments to  
Enclosed is the proposed bond req  
equal to this annual amount must

Principal forgiveness will be appl  
account mentioned in item 2 along  
agreement and completion of bo  
forgiveness

### Special Conditions

The recipient is required to pay th  
new funding to pay for project a  
remove if disadvantaged communi

This financial assistance was auth  
this authorization will be funded, in

Mailing/  
Telephone:

Contact Name  
November 3, 2023  
Page 9

State Revolving Fund (SRF) Program (R309-705 of the Utah Administrative Code), the Utah  
Municipal Bond Act, the Utah Money Management Act, the Utah Procurement Code and  
the State of Utah Legal Compliance Audit Guide.

- The Recipient shall submit a cash drawdown schedule prepared and certified by their consulting engineer to be a schedule that coincides with the rate at which expected construction related costs are incurred by the project.
- The Recipient is required to submit a Plan of Operation and Operation and Maintenance Manual according to the following:
  - A Plan of Operation, which includes a schedule summarizing appropriate times for essential actions to be taken for operation of the facility, must be submitted to the committee in draft at initiation of construction and approved in final form prior to 50% of construction completion. As a minimum, the plan of operation must include provisions for an Operation and Maintenance manual, Emergency Operating and Response Plan, properly trained management, adequate number and training of operation and maintenance personnel, budget plan for operation and maintenance, operational reports, and start-up procedures.
  - An Operation and Maintenance (O&M) manual which provides long-term guidance for efficient facility operation and maintenance must be submitted and approved in draft and final form prior to 50% and 90% of completion.  
*(Note: Keep this section only if project includes a water treatment plant)*
- The Recipient must get a Unique Entity ID from SAM.gov. Once the entity record has been validated, submit a copy of the Unique Entity ID to the Division of Drinking Water.
- The Recipient shall comply with the Single Audit Act requirements in accordance with OMB Circular A-133.
- The Recipient is required to comply with the Federal Project Signage Requirements. See attached Reference Page for document location.
- In compliance with Utah Code Annotated 73-10g-402, water systems applying for federal financial assistance for improvements to capital assets related to water infrastructure shall commit to adopt a capital asset management plan. The Asset Management Plan shall be submitted to the Division for review and approval prior to loan closing, unless preparing an Asset Management Plan is included as part of the project for which the Recipient has applied for financial assistance. In which case, the Asset Management Plan shall be submitted to the Division as soon as it is completed or prior to the entity submitting its final project reimbursement request.

To facilitate the timely completion of the financial assistance requirements outlined in this letter, the Recipient and its attorney and engineer shall submit to the Division of Drinking Water all of the items required before loan closing no later than 30 days before the bond closing, and the Recipient's bond attorney shall submit to the Board's Attorney the items listed in subsection "b" of paragraph 1 on or before the due date specified.

# Asset Management and AWIA

- Updated program letters, forms, and checklists to implement asset management

## Pre-Closing Conference Call Checklist

Bond Counsel	Bill Prater	(801) 566-8882	bill@billprater.com
Borrower Bond Counsel			
DDW Manager	Michael Grange	(801) 674-2563	mgrange@utah.gov
DDW Project Manager			
System Presiding Official			
System Treasurer/Recorder			
Project Engineer			
Environmental Consultant			

Project: \_\_\_\_\_

Funding: \_\_\_\_\_

Notes: \_\_\_\_\_

Target Dates: \_\_\_\_\_

System To-Do
Engineer To-Do
DDW To-Do

	Task Description	Responsible Party	Target Date	Comments
0	Capacity Assessment	DDW		NA for State
1	DWB Authorization Letter	DDW		
2	Discuss conditions on funding and timeframe to resolve	DDW		
3	Submit Engineering Report / Master Plan	Engineer		Must include ownership of
4	Submit Water Conservation Plan	System		
5	Submit Asset Management Plan	System		
6	Submit Emergency Response Plan	System		NA < 3300 population
7	Submit Engineering Contract	Engineer		
<b>Legal</b>				
8	Submit Verification of Water Rights	Engineer		Consulting engineer provide
9	Register for a Unique Entity ID at <a href="http://SAM.gov">SAM.gov</a>	System		NA for State, <a href="#">required for</a>
10	Submit copy of Project Notification to users / water bill insert	System		
11	Submit copy of Minutes showing public support of project	System		
12	Submit copy of Minutes from Rate Increase Hearing	System		



# Asset Management and AWIA

- Updated program letters, forms, and checklists to implement asset management

DEPARTMENT OF ENVIRONMENTAL QUALITY  
 DIVISION OF DRINKING WATER  
 STATE PROJECTS

Project Name

Payment Request No.

Reviewer

Yes/Adequate

1 Are the correct certification forms submitted?

2 Are the certification forms (B1, B2, B3) submitted by an individual?

3 Has the community met all of the requirements of the AWIA?

4 Are all costs identified in the distribution invoices/construction estimates included in the request?

5 Are construction estimates of work prepared by a licensed engineering firm and the contractor?

6 Have all change orders for which the contractor is responsible been submitted to the Project Cost Tracking Sheet?

7 Do the unit prices on the construction bid proposals and approved change orders match the approved unit prices?

8 Are quantities on pay request equal to quantities on approved change orders?

9 Has the physical existence of materials been verified?

10 Are all the costs identified in the request in accordance with the approved change orders?

11 If costs identified in the request are determined to be force account costs, was a force account proposal approved? (Use of water system labor)  PM

12 Are the cumulative costs for each contracted service or purchase within the contract ceiling?  PM

13 Date of last inspection:  By:   PM

14 Did the latest inspection determine that construction was proceeding without discrepancies which must be corrected prior to further payment?  PM

15 Are there sufficient funds in the project budget to complete the project? (bank/escrow reconciliation worksheet attached)  PM

16 Does the request include a cost which was incurred as a direct result of unapproved extended construction periods? If so, should it be paid from liquidated damages?  PM

17 If land is being acquired for this project, have the provisions of the Uniform Relocation Assistance and Real Property Acquisition Act (40CFR pt. 4) been adhered to? (must be a willing seller, if eminent domain was used, will not be eligible for SRF funds)  PM

18 FOR FINAL PAY REQUESTS VERIFY THE FOLLOWING:

Final Inspection report with all the pending items addressed?  PM

Certificate of Completion from the Engineer?  PM

Lien releases secured from Contractors, Subcontractors & Suppliers?  PM  
*Private water systems only*

Have the appropriate DBE Report(s) been submitted and are they up-to-date? (DBE- N/A FOR STATE PROJECTS)  PC

**System Asset Management Plan Submitted?  PM**

I certify to the best of my knowledge and belief, this disbursement request has not been previously requested and should be made in accordance with the loan conditions.

Date  Project Engineer

Date  Accounting

Print Form

# Asset Management and AWIA

- Updated Capacity Assessment Worksheets to implement asset management

## Asset Management for 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.

Use additional sheets as required. Section Break (Continuous)

Asset Management Plan	→	<u>Yes</u>	→	No	→	Unknown
Do you have an Asset Management Plan?		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
If Yes, do you know when it was last updated?		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
Plan Updated:						
If Yes, how often do you review your plan?						
Plan Reviewed:						
If No or Unknown, when do you expect to have an Asset Management Plan in place?						
Plan in Place:						
<b>The Current State of System Assets</b>						
Does your Plan include location, size, type, and age for all water lines in your system?						
Transmission Lines		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
Main Distribution Lines		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
Service Lines (where applicable)		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
Does your Plan include location, size, material, and age for all storage tanks in your system?						
Does your Plan include location, type, and age for all sources in your system?						
Wells		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
Springs		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
Other		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
List Type(s):						
Does your system require disinfection?						
If yes, does your plan include location, type, and age, for all disinfection facilities in your system?		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
Does your system require treatment?						
If yes, does your plan include location, type, and age, for all treatment facilities in your system?		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
Does your system include pump stations? (Not associated with wells)						
If yes, does your plan include location, type, size, and age for all pump stations in your system?		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
Does your system include pressure-reducing valves, altitude valves, air-release/vacuum-relief valves, isolation valves or other valves?						
If yes, does your plan include location, type, size, and age for all valves in your system?		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
Page Break						