



Capacity Development

Brett Newton
Water Supply Engineering Section
Drinking Water Branch



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Topics

- What is Capacity Development
- TMF Capacity
- Asset Management Plans
- Tank Maintenance
- AWOP
- Future of Capacity Development
- Questions

What is Capacity Development?

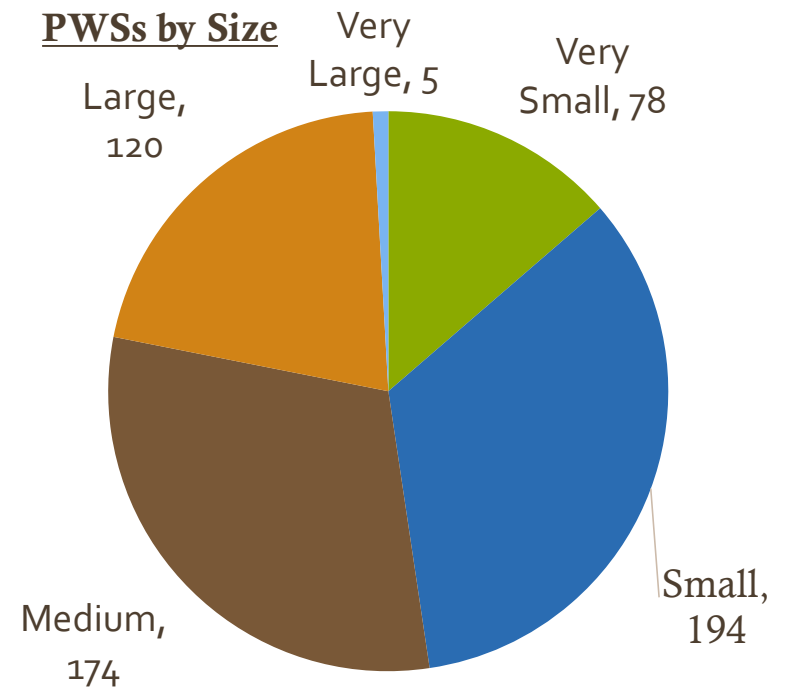
- Short- and long-term planning process between states and PWSs
 - Technical, Managerial, & Financial capacity (TMF) assistance
 - Determines a PWS's ability to provide water while meeting standards and regulations
 - Asset Management Plan Implementation
 - Structure for collaboration between PWSs, local, state, and federal governments along with any public health, environmental, and technical assistance organizations
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What is Capacity Development?

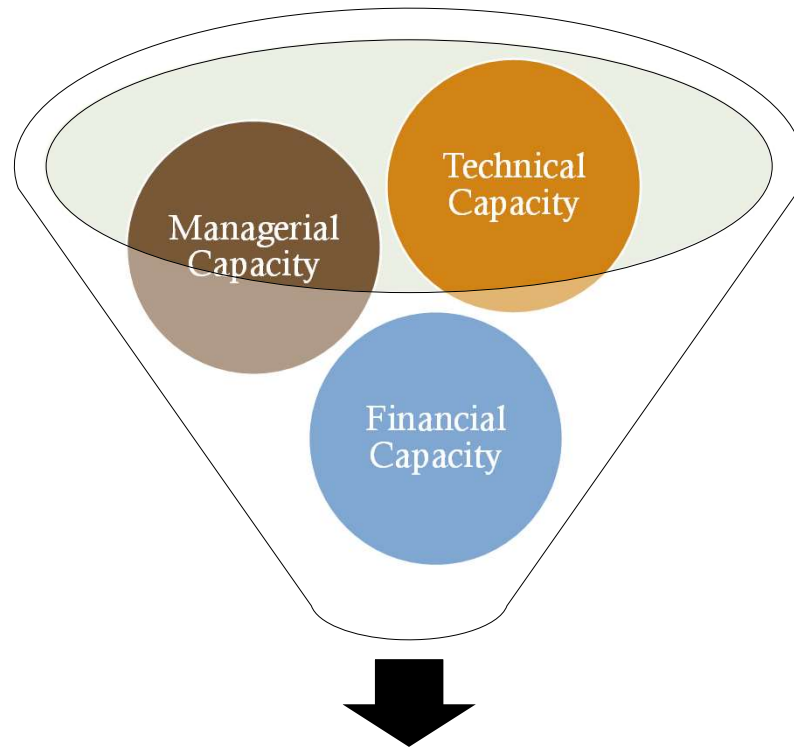
- Created in a 1996 amendment to the SDWA
 - States must have a program established to ensure all new water systems can demonstrate adequate TMF capacity
 - States must implement a strategy to assist water systems in acquiring and maintaining TMF capacity
 - States cannot supply loan assistance to systems that lack the TMF capability to ensure compliance, unless the assistance will ensure compliance
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Who Benefits from Capacity Development?

- 445 of 571 water systems in AL with 10,000 or fewer population (78%)
- Same standards and requirements
- Assists systems to meet goals
- Every system can benefit




TMF in Depth




TMF Capacity

TMF – Technical Capacity

- Physical system including source, treatment, storage, distribution, and technical personnel
 - Helps ensure the PWS provides water of adequate quality and quantity
 - Source water protection, infrastructure improvement, operator training, tank maintenance, etc.
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TMF – Managerial Capacity

- Managerial activities such as training, decision-making, workforce retention, customer interaction, meeting with regulatory agencies, etc.
 - Helps the PWS treat water efficiently and effectively
 - Accountability programs, staffing plans, workshops, maintaining neighboring PWS relationships
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TMF – Financial Capacity

- Addresses revenue, credit, and fiscal concerns
- Ensures that systems have the funds to implement effective programs
- Loan guarantee or grant programs, responsible rate setting, maintaining adequate operating and emergency cash reserves, periodically reviewing budgetary projections, financial audits

Asset Management Plans

- Effective April 14, 2022, new water systems or water systems producing water for the first time must submit an asset management plan to ADEM with permit application.
- The plan must include an asset inventory, required sustainable level-of-service, determination of critical assets, determination of the lowest life-cycle cost for highest level-of-service over time, and a long-term financing strategy.
- See ADEM Admin. Code r. 335-7-4-.04.
- The Department may also require an existing water system (non-compliant or with deficiencies) to submit an asset management plan as a condition for permit renewal.
- See ADEM Admin. Code r. 335-7-4-.07.


Parts of the Asset Management Plan

- Introduction
- Staff Information
- Level of Service
- Asset Inventory
- Operation & Maintenance
- Capital Improvements
- Financial Strategy
- Compliance
- Preparedness

Reference Guide for Asset Management Tools

<https://www.epa.gov/dwcapacity/asset-management-resources-states#refguide>

Benefits of Asset Management Plans

- Prolonging asset life
 - Meeting customer demands
 - Identifying sustainable rates
 - Budget planning
 - Meeting regulatory requirements
 - Improving emergency response times and methods
 - Open communication between system staff and decision makers
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Small Community Assistance Planning (SCAP)

Free tool for Asset Management
Plan development

- Word document user guide
- Drinking Water Excel Spreadsheet
- Wastewater Excel Spreadsheet

Search SCAP Asset Management

OR contact me

brett.newton@adem.alabama.gov

Small Community Assistance Planning Asset Management Tool: Guide for Tool Users

Overview

Tool Purpose


This guide is intended for users of the Small Community Assistance Planning (SCAP) Asset Management Tool to track either wastewater or drinking water assets and conduct a basic condition and criticality assessment. The User Guide is organized according to the steps within the tool and provides general instructions as well as specific definitions and directions for individual questions on each sheet. The sections of the Guide correspond with the worksheets in the tool.

The purpose of the SCAP Asset Management Tool is to facilitate tracking and basic assessment of drinking water or wastewater assets. The tool includes the following components:


1. Asset Inventory
2. Condition Assessment
3. Vulnerability Assessment
4. Critical Assets

The SCAP Tool was designed to be a "living document." It allows for ongoing tracking and updates of your utility's asset inventory, condition assessment, and vulnerability assessment. Revisit the tool regularly over time to add, delete, or modify data as needed. The outputs of the tool are intended to inform decisions on asset repair and replacement.


Water Storage Tank Maintenance

- Effective April 14, 2022 more prescriptive standards for water storage tank maintenance went into effect.
 - Systems must develop and implement a written maintenance plan, with inspections occurring no less frequently than every 5 years.
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Water Storage Tank Maintenance

- All existing tanks must have initial cleaning/inspection by December 31, 2027.
 - Inspection must be performed by a qualified individual or firm.
 - Significant deficiencies must be repaired before tank can be returned to service.
 - Final report must be detailed and include pictures or video.
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AWOP Participation

- Technical assistance program
 - Optimize performance of treatment plants and distribution systems
 - Focus to improve performance with little to no cost
 - Offers performance based training to improve TMF
 - Attended AWOP workshops and national meetings
 - Hosted EPA Region 4 AWOP workshop in Muscle Shoals
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Future of Capacity Development

- Gaining ideas from other states
 - TMF Scoring
 - Questions during surveys
 - More robust and hands-on technical assistance
 - Ideas from systems
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Questions?





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Drinking Water Branch

Alabama Department of
Environmental Management

P.O. Box 301463

Montgomery, AL 36130-1463

(334) 271-7702

brett.newton@adem.alabama.gov

