

# Asset Management for Small Water and Wastewater Systems

Operators are important members of the decision team that provides safe and reliable water service including input to financial planning necessary to provide sustainability of that service. Many operators are managers, council/board members or will become managers as their careers progress. This training addresses the Technical, Managerial and Financial issues that operators need to know.

Operators will receive training and be provided tools that will assist them in determining the appropriate measures necessary to prolong equipment life, establish reserve funds and participate in capital improvement projects.

## Asset Management (AM) and Financial Planning (3-hour block)

**Training Objectives and Learning Outcome:** Asset Management (AM) is a fundamental approach to utility O&M aimed at prolonging the life of important infrastructure components and the sustainability of water system infrastructure. Failure to establish reserves for short-lived assets is probably the number one shortfall in small water and wastewater system financial planning. This training will describe the process and provide spreadsheets operators and utility managers may use to convey information to their boards/councils and customers to assure financial responsibility and identify and support rate increases if needed.

After the training attendees should understand the importance of an asset inventory and be able to collect and enter data in provided spreadsheets to accomplish the above.

## **Schedule**

09:00 – 09:15: How to interact with GTT Platform, course agenda, pre-test

9:15 – 11:45

- What is an AM program?
  - General concepts
  - Steps to complete
- Scheduled Maintenance
  - General concepts
  - Reactive → preventative → predictive
- Asset Inventory
  - Information required; how to get it
  - Introduction to AM spreadsheet

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- The 6-year budget
  - Inflation
  - Reserve funds
  - Resources

11:45 – 12:00

- Final Questions and Post Test