Managing the Water System Fund

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Session Objectives

 Describe the legal and financial framework for local government public enterprises

 Explore common and best practices for managing the water system enterprise fund







Enterprise Fund

 Your water system is supposed to be an enterprise fund, a self-sustaining business unit

 If you are a governmental system, you are not supposed to receive tax dollars nor support the general fund







Characteristics of Water System Enterprises

- Capital intensive
- Diverse use charges, fees and pricing strategies
- Financial structure varies from operational structure
- Self-regulated monopolies
- Impacts public health and environmental protection







From Authority to Implementation

G.S. 160A-311,312

Local governments given power to provide services



Local governments given authority to finance services



Local governments given authority to charge rates and fees for services

Local ordinance

Local government decides to charge rates and fees

ENTERPRISE/UTILITY IS BORN







Guiding Principle for Enterprise Funds

Self-sufficiency

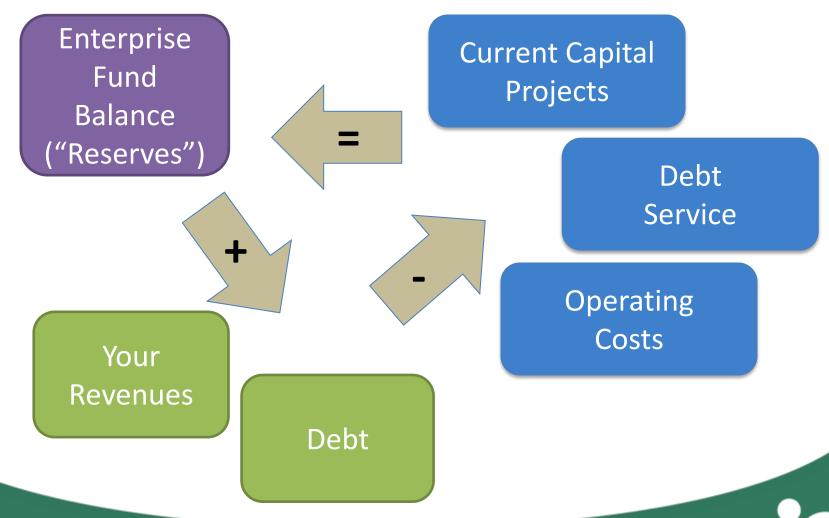
Revenues collected = Costs expended

(in a given year or over time)





Water System Finance Diagram









Rates

 Rates are the primary source of income for local government and other community systems

 We'll spend a lot of time today talking about rates







Ideal Pricing

- Prices cover full "costs" of service
- Prices send and reinforce strategic messages
- Prices follow State's laws and policies
- Beneficiaries pay for their benefits
- Polluters pay for their pollution
- Ability to pay is recognized and addressed
- Simple







Understanding Operating Costs

- What you need to run your business day in and day out
- What are your operating cost categories?
 - Personnel
 - Water bulk purchases
 - Chemicals
 - Office equipment
 - Energy
 - Supplies
 - Lab tests
 - Etc.







Understanding Capital Costs

The "big stuff"

Rehabilitation & replacement of existing infrastructure

 New infrastructure as needed to serve your customers







Methods to Budget for Capital Costs

- Create and maintain a Capital Improvement Plan
- "Fund" your depreciation, with a little extra
- Estimate from past expenses, but adjust for the future

 Do NOT ignore capital costs and only budget for O&M. Every utility has capital costs.







Understanding Debt Service

 What you owe on loans and bonds, paid back on a regular schedule









Setting Small Drinking Water System Rates for a Sustainable Future

One of the Simple Tools for Effective Performance (STEP) Guide Series









http://www.epa.gov/ogwdw/smallsystems/pdfs/guide_smallsystems_final_ratesetting_guide.pdf

- Determining Costs
- Determining Current Revenues
- Setting Aside a Reserve
- Determining Revenues Required
- Designing Rate to Cover Costs
- Implementing the Rate
- Reviewing the Rate





Where does your water system revenue come from?







Reserve Account(s)

- If revenues exceed costs, the extra money can go into one or more reserve account(s) specifically for the water system
- Can set up specific reserves for narrower purposes (designated reserves)
- Examples: unrestricted, rate stabilization, rainy day, capital reserve, etc.
- If you include depreciation as a cost, this is where that money would go







Why Do You Need a Reserve Account?

- Future Capital Needs
- Rainy Day Fund—what happens if your revenue is decreased?
- Emergency Fund







How Much Do You Need In Your Reserves?

It depends

(see http://efc.web.unc.edu/2013/02/12/right-sizing-reserve-funds/)

- Enough to pay for your most expensive piece of equipment?
- Enough to cover your costs if you had no revenue for two months?
- Enough to cover the projects in your capital improvement plan?







Transfers between General Fund and Enterprise Fund

- OK if paying for services rendered or payment in lieu of taxes
 - In fact, don't report it as a "transfer" but as an expense (on the LGC forms)
- Maybe OK if loaning money that gets paid back
- Not OK if just moving money between the two funds when one falls short (i.e. subsidizing)
 - Technically can do that, but draws scrutiny from LGC and would be ineligible for state-subsidized funding for the enterprise fund (NC G.S. 159G-37)







Small System Challenges

- Dis-economies of Scale
- Insufficient Revenue from Small Customer Base
- Regulatory Compliance
- Addressing Current and Future Infrastructure Needs
- Workforce retirements and high turnover
- Difficulty in raising funds for capital projects





