

Capacity Development Program

Preparing Utilities for the Basics in Sustainable Practices

Region 5/7 Sustainable Infrastructure Forum

St. Louis, Missouri

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1996 Amendments to SDWA

- Creation of Drinking Water State Revolving Loan Fund (DWSRF) Program
 - Loans to Public Water Supplies
 - Set-asides
 - Program for Disadvantage Systems
 - Training and Certification of Small System Operators
 - Assistance to Tribal Water Supplies
- 

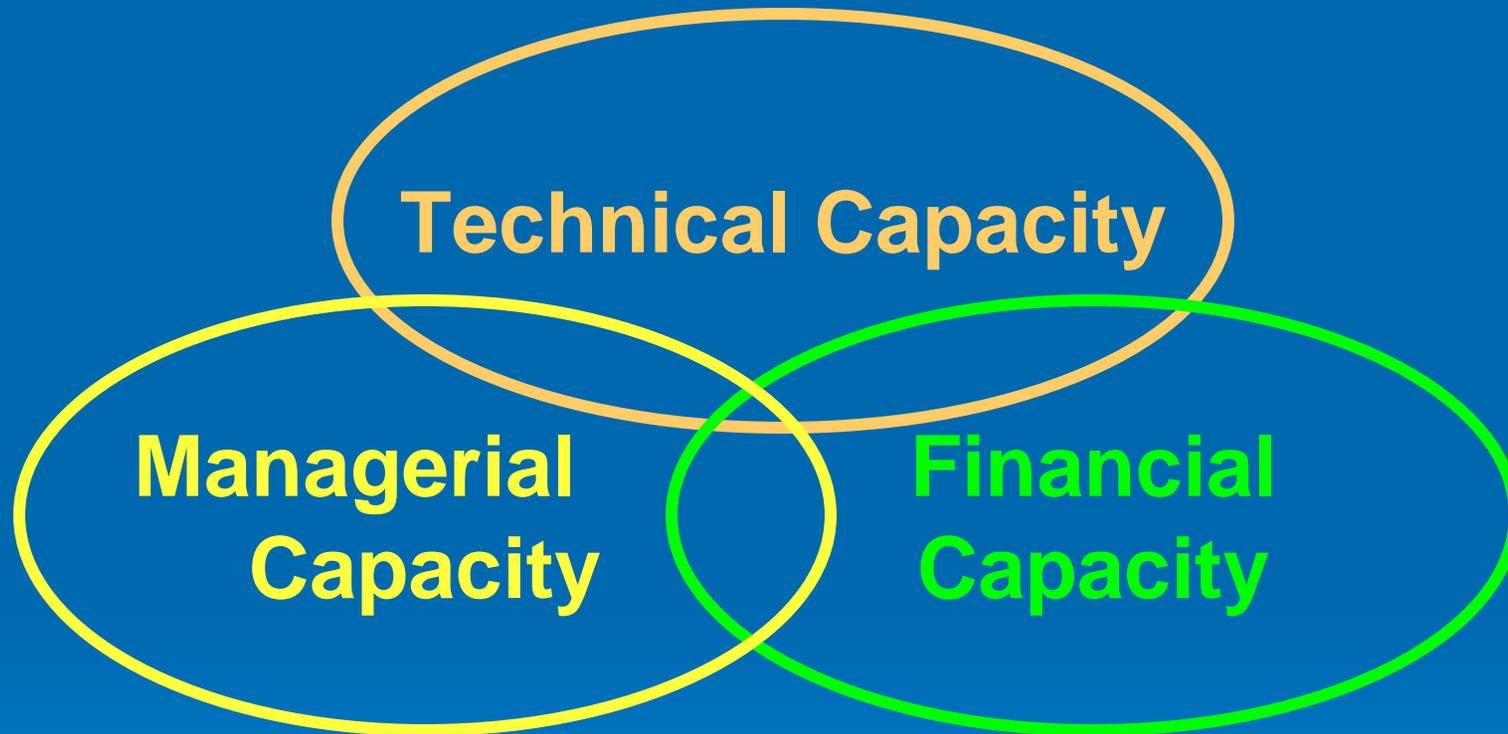
DWSRF Program

- Conditions to Receive Full Annual Grant Allotment
 - Capacity Development
 - Operator Certification
- Condition for System to Receive a Loan
 - Technical, Managerial, and Financial Capabilities

Capacity Development

- New Systems Program
 - Community and Nontransient Noncommunity
- Existing Systems Strategy
 - All Public Water Supplies

System Capacity Determination



The SDWA Amendments of 1996 direct states to develop their technical, financial, and management capacity (TFM) criteria for public water systems.

Drinking Water System Capacity

Technical Capacity

- **Source water adequacy**
- **Infrastructure adequacy**
- **Technical knowledge & ability to implement**
 - **Certified Operator**

Traditional Focus of the Drinking Water Program

Drinking Water System Capacity

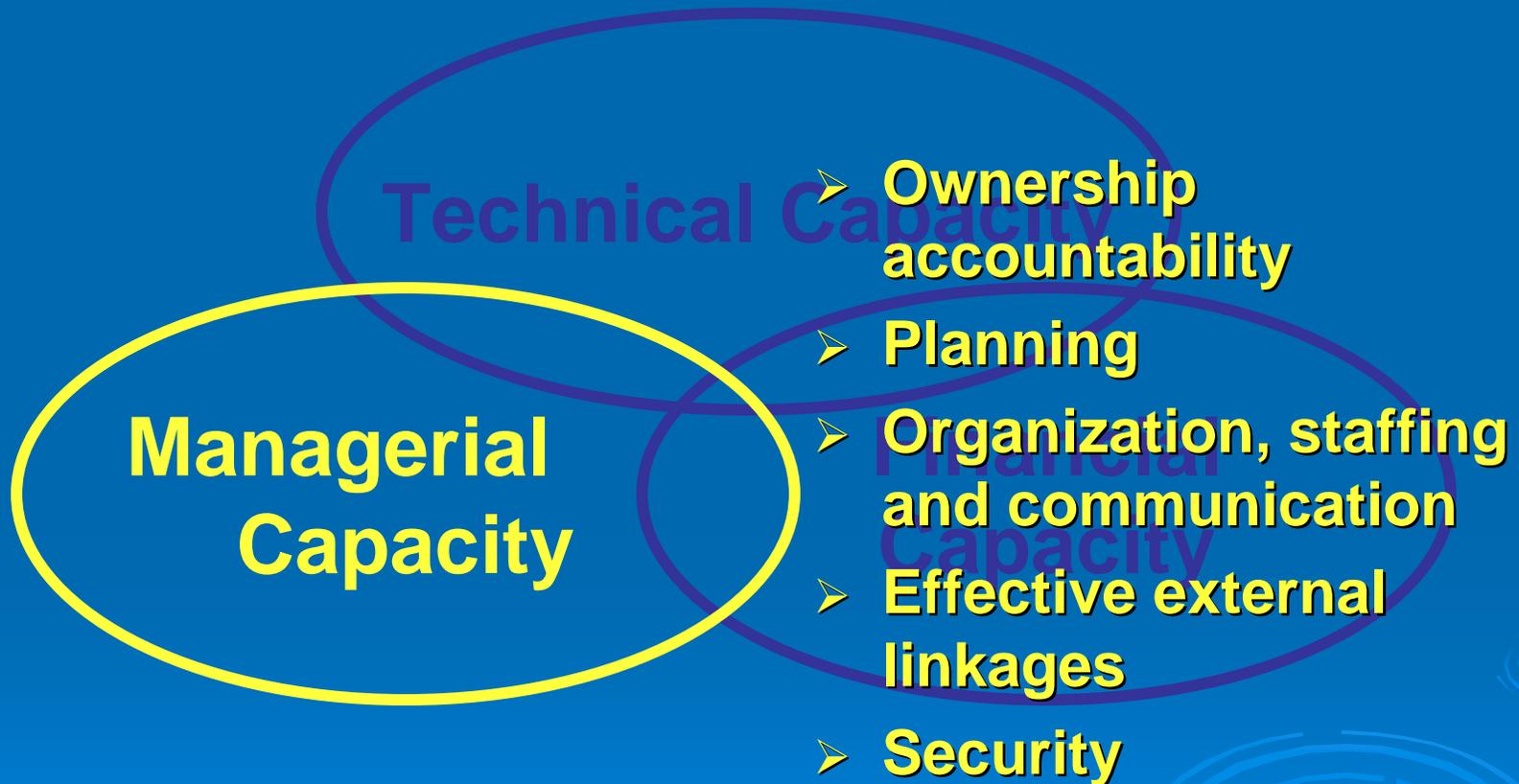
- **Revenue sufficiency**
 - ⌘ *Operations and Maintenance*
 - ⌘ *Capital Improvements*
- **Credit worthiness**
- **Fiscal management and financial controls**

Technical Capacity

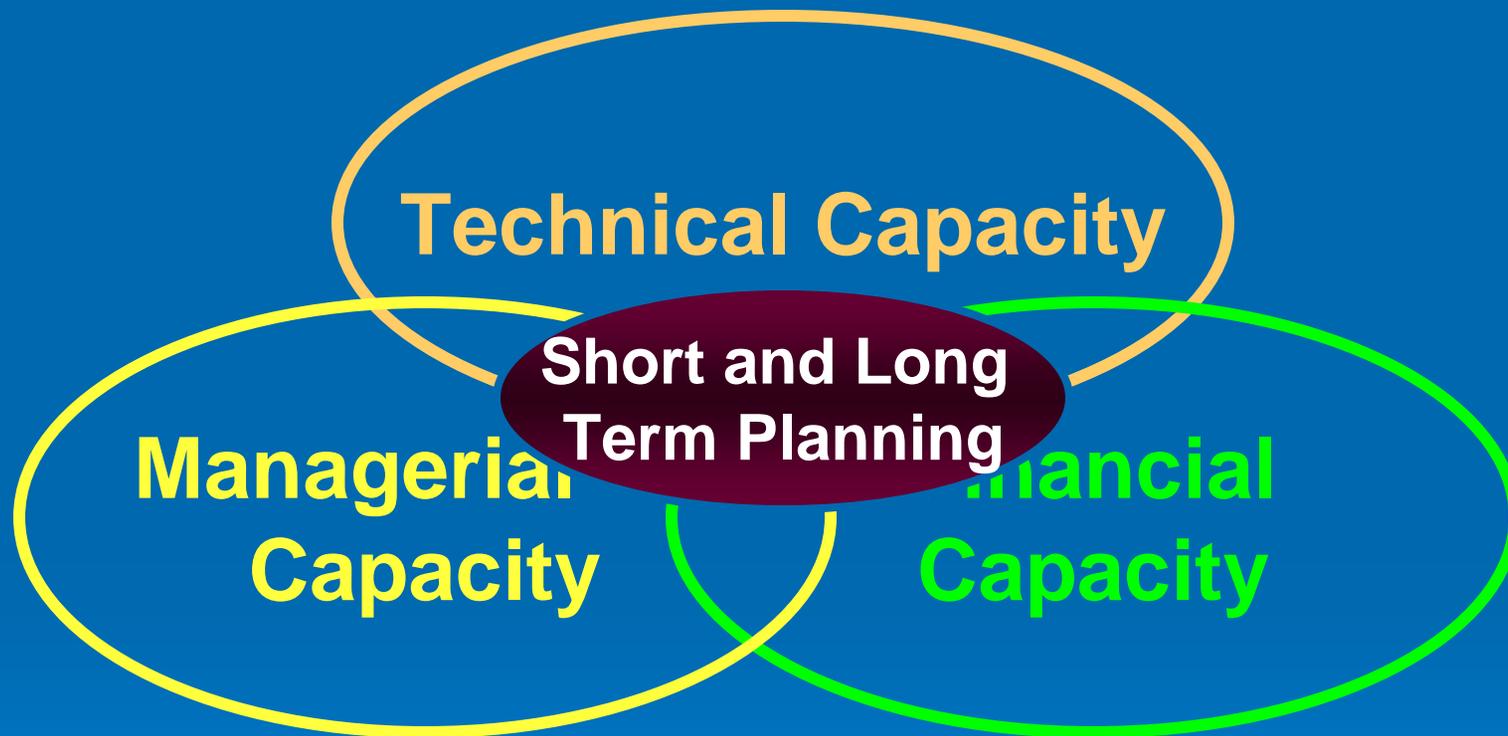
Financial Capacity



Drinking Water System Capacity



Drinking Water System Capacity

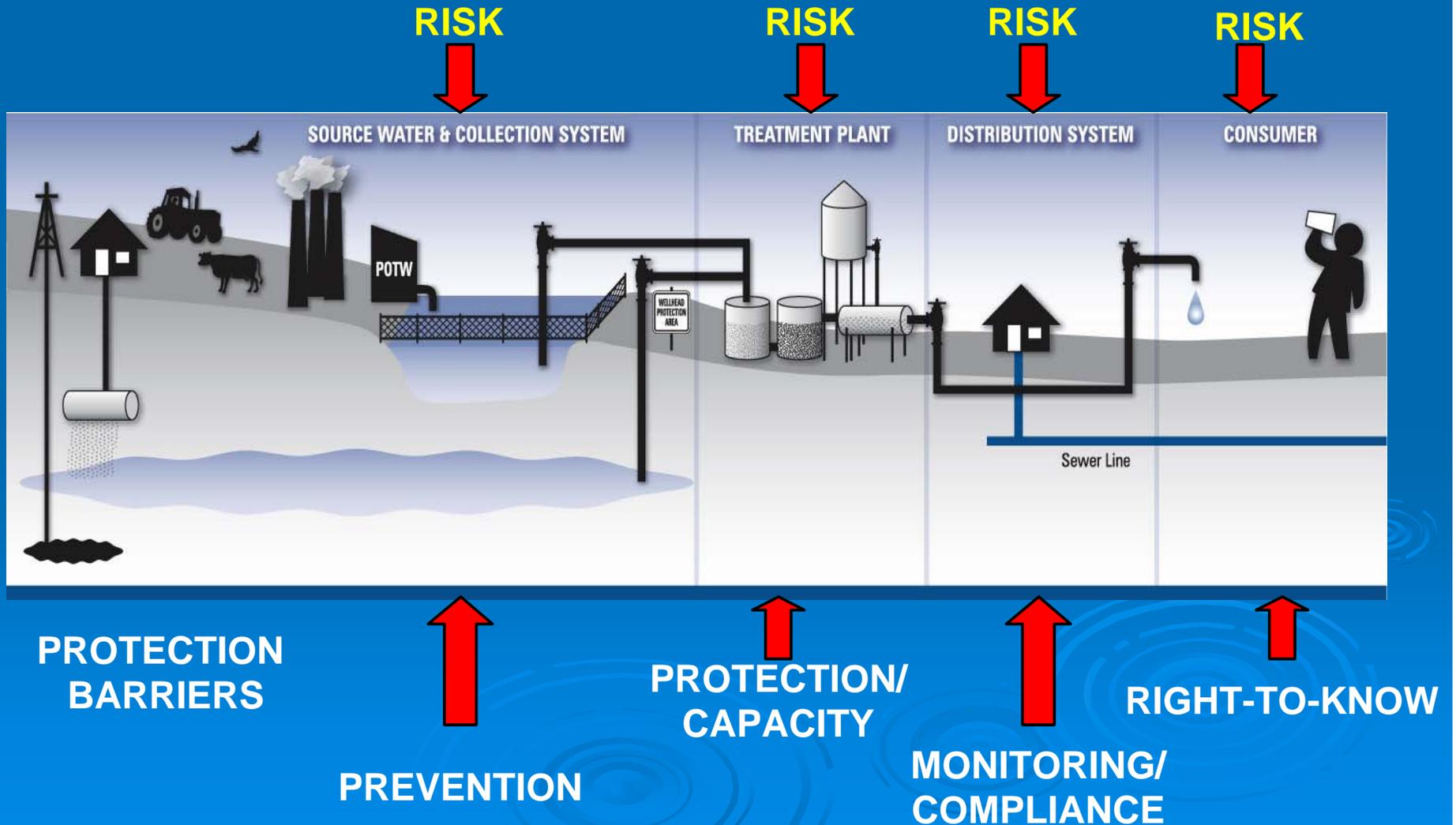


Systems with capacity are more likely to achieve and remain in compliance, and will be sustainable.

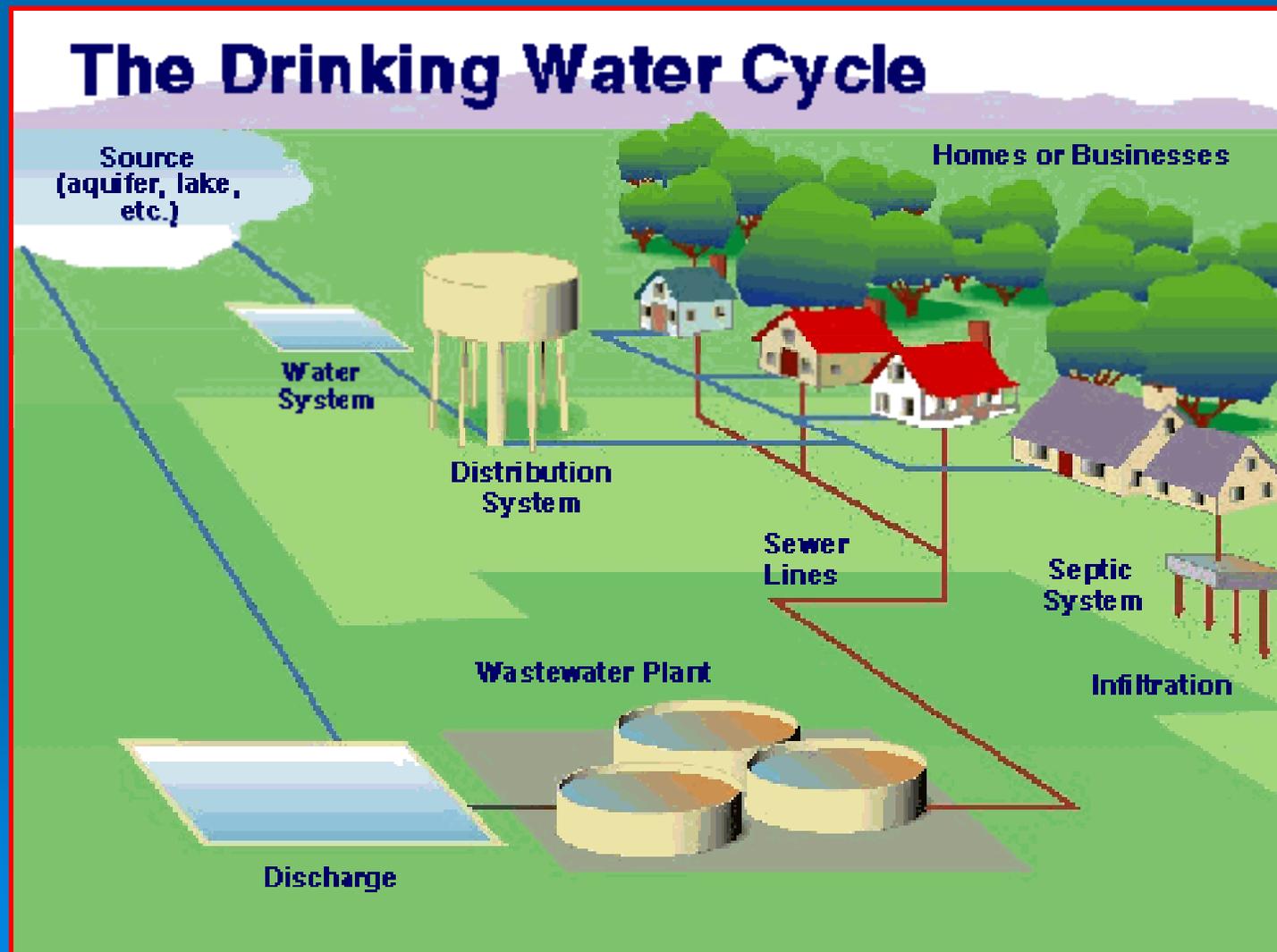
Comprehensive Source Water Protection

MULTIPLE RISKS REQUIRE MULTIPLE BARRIERS

SDWA PROTECTING AMERICA'S PUBLIC HEALTH

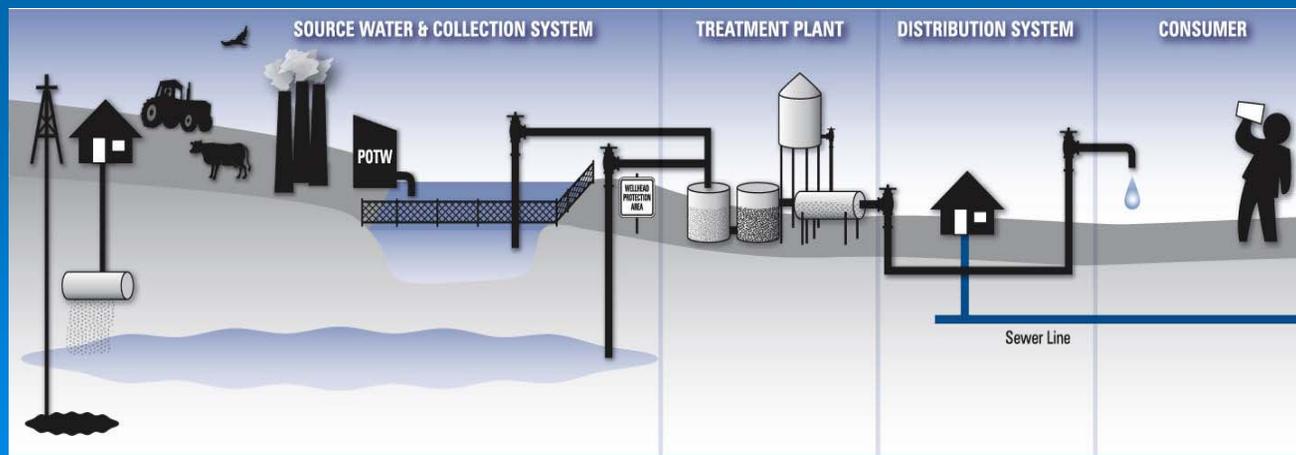


Water and Wastewater



How Does Capacity Development Fit Into the Four Areas Identified to Help Sustaining Infrastructure?

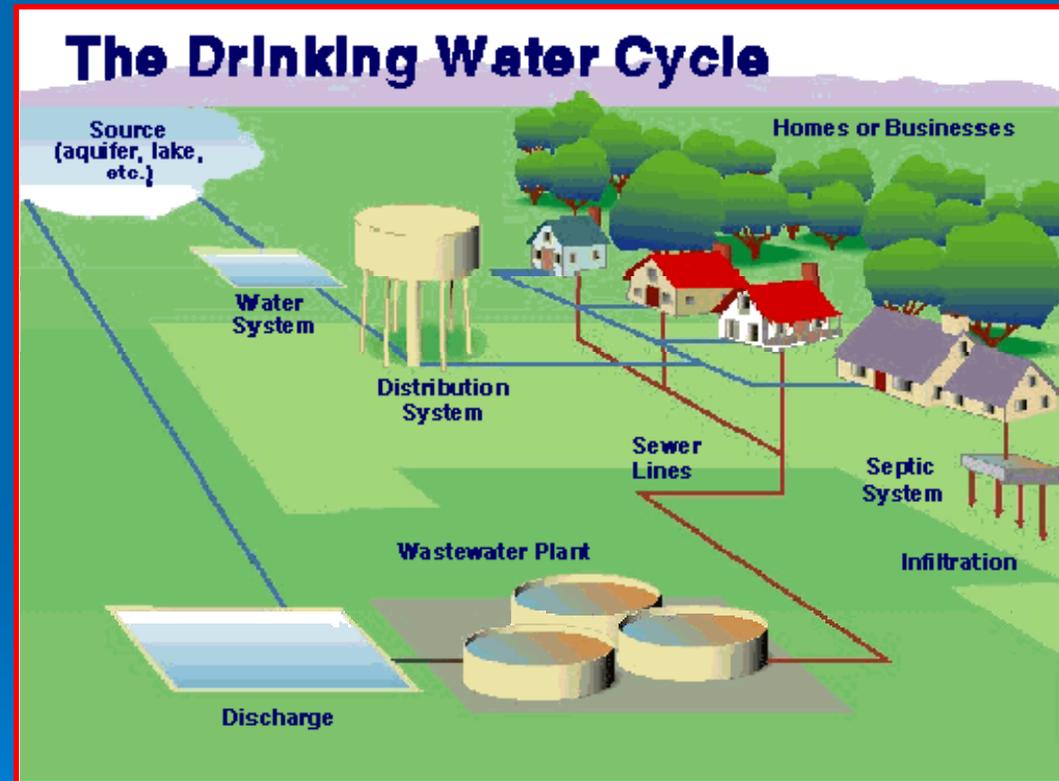
- Better Management
- Full Cost Pricing
- Watershed Approach
- Water Efficiency



Better Management

How Does Capacity Development Compliment Sustaining Infrastructure?

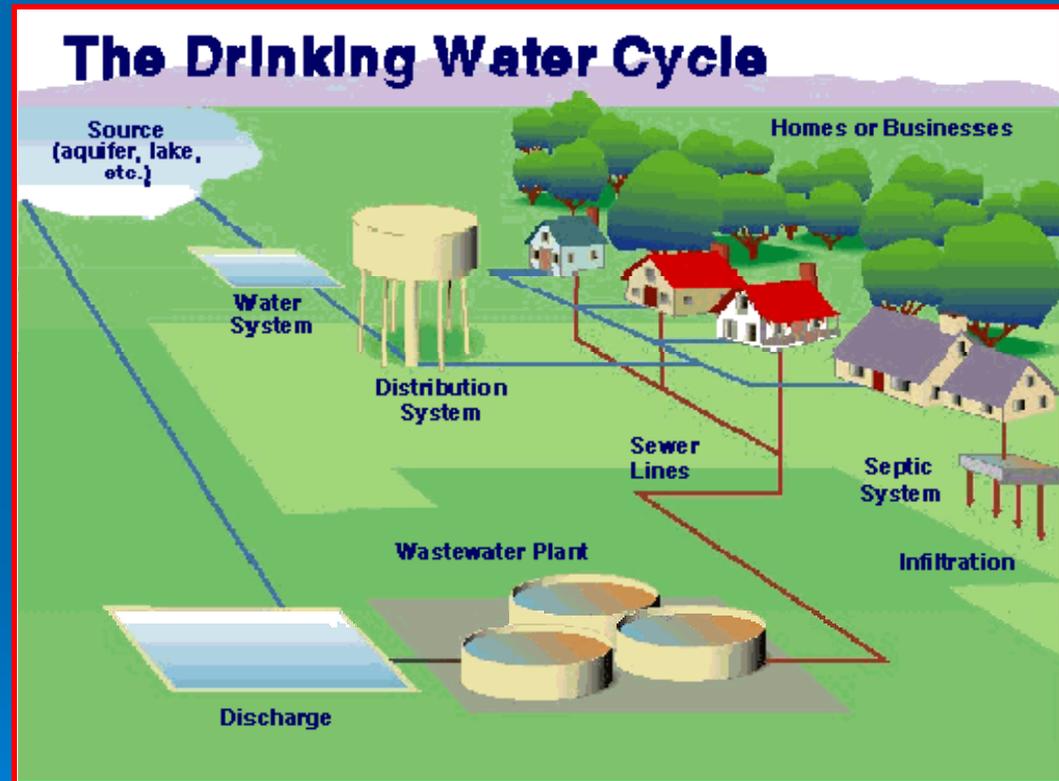
- Technical?
- Managerial?
- Financial?



Full Cost Pricing

How Does Capacity Development Compliment Sustaining Infrastructure?

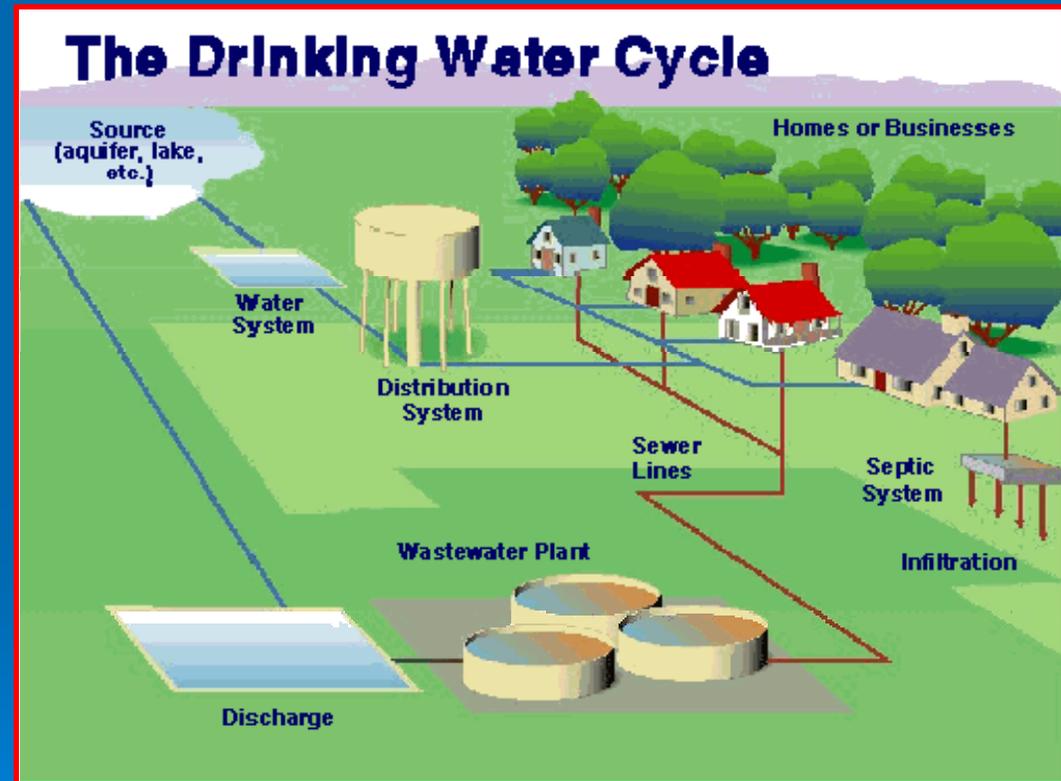
- Technical?
- Managerial?
- Financial?



Watershed Approach

How Does Capacity Development Compliment Sustaining Infrastructure?

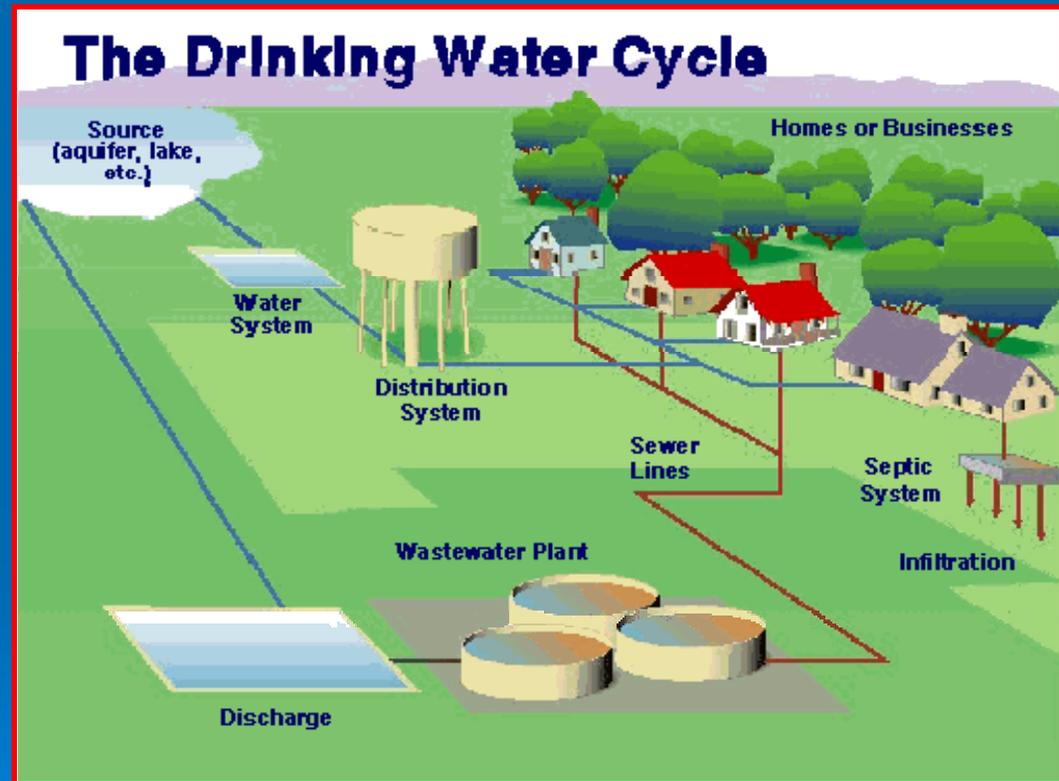
- Technical?
- Managerial?
- Financial?



Water Efficiency

How Does Capacity Development Compliment Sustaining Infrastructure?

- Technical?
- Managerial?
- Financial?



Additional Information

EPA Website

<http://www.epa.gov/safewater/>

<http://www.epa.gov/owm/assetmanage/index.htm>

➤ Quick Reference, Best Practices, STEP Guides

- <http://www.epa.gov/safewater/smallsys/ssinfo.htm>

➤ Capacity Development

- <http://www.epa.gov/safewater/smallsys/capdev.htm>
- <http://www.epa.gov/safewater/smallsys/back4.htm>
- <http://www.epa.gov/safewater/smallsys/particip.htm>

➤ DWSRF

- <http://www.epa.gov/safewater/dwsrf/index.html>



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