Sustainable Water Infrastructure

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What is Sustainable Water Infrastructure?

- Strategies that allow you to construct and operate water systems more efficiently and cost effectively

- Practices that accommodate future needs of system customers
EPA’s Four Pillars of Sustainable Infrastructure

- **Better Utility Management**
- Full-cost Pricing
- Water Efficiency
- Watershed-based Approaches
Better Utility Management Pillar

- **Cost-effective Technology/Innovations**
  - New construction
  - Operation and Maintenance of existing facilities

- **Asset Management**
  - Age/condition of assets
  - Plan for repair or replacement
  - CUPSSS Training
Full Cost Pricing Pillar

- Recognize the full value (Operations, Maintenance, & Repair) of water services over the long term
- Implement pricing structures which recover costs and promote sound water use.
Water Efficiency Pillar

• Consumers use water wisely
  – EPA Water Sense Program

• Promote efficiency in water distribution
  – Reduce leaks
  – System layout and design

• Reduce demand on wastewater treatment
Watershed Approach Pillar

- Land use
  - Smart growth
  - Redevelopment
  - Low impact design

- Watershed based permits

- Source water protection
How Can EPA Help?

• Training, Education and Outreach
  – Check-Up Program for Small Systems (CUPSS)

• Best Practices
  – Technological, Financial, Operational
  – HQ and Regional SI Webpages
For More Information:

- Sustainable Infrastructure
  www.epa.gov/waterinfrastructure

- Region 5 SI Webpage / Forum reports
  www.epa.gov/region5/water/si/

- WaterSense Program
  www.epa.gov/watersense