

Municipal Water Resource Utilities

“Opportunities For Protecting And
Managing Water Resources”

Water Resources Utility

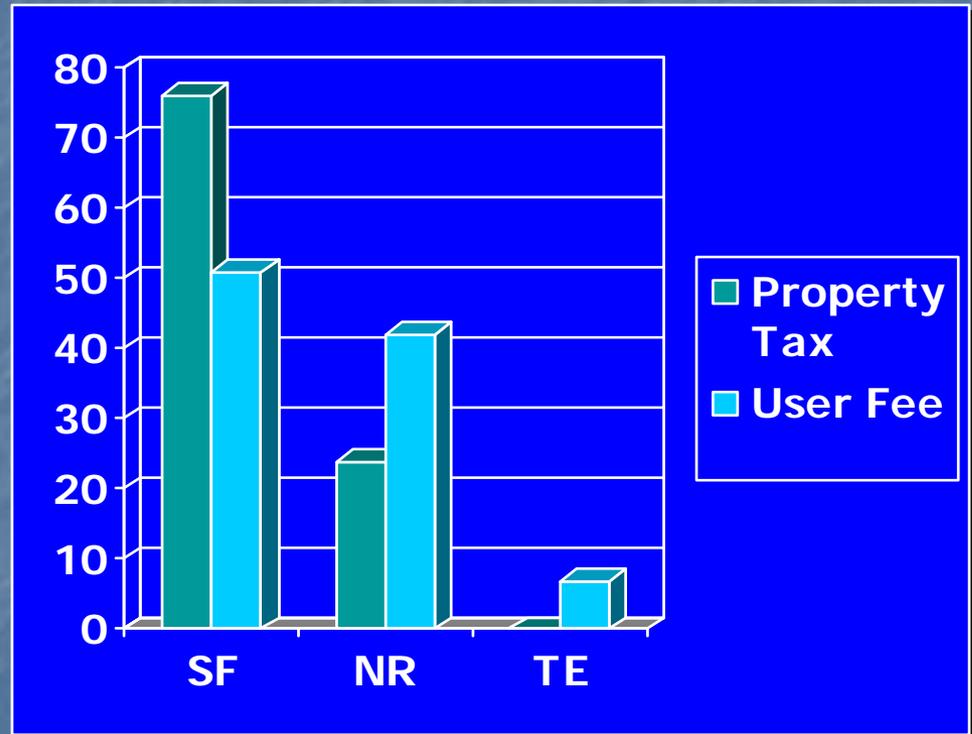
Common Reasons For Starting A Utility:

- Regulatory requirements;
- History of neglected storm water issues;
- Aids in implementation of SWMMP;
- Provides a viable funding source;
- Protects existing water resources in the municipality;
- 3-dimensional water resource planning (ground, surface and rain/runoff)

Water Resource Utility Funding

Funding and Charges:

- Residents, Businesses, and Non-Profit Org
- 1 ERU (Equivalent Runoff Unit) Per Single Family Resident
- ERU's are typically calculated off of G.I.S. mapping
- 1 ERU = \$5/month



Advantages and Short Comings of Water Resource Utilities

- Separate funding source for specified projects
 - First step to addressing long standing water resource problems
 - Have the ability to establish long standing policy and procedure
 - The Storm Water Management Master Plan, when implemented, provides tangible benefits to residents in the community
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- Established with short-term goals and not a mixture of short and long-term / big-picture goals
 - React to problems instead of planning for them
 - Funding is compromised from conception
 - Established and administered solely by engineers

DEPARTMENTAL COORDINATION KEY FOR IMPLEMENTATION AND ADMINISTRATION!

Best Management Practices

PUBLIC

- Regional Ponds
- Street Sweeping
- Proprietary Devices
- Roadside Ditches
- Rain Gardens
- Stream Bank Stabilization
- Pervious Asphalt/Concrete
- Inlet Filters

PRIVATE

- Ponds
- Proprietary Devices
- Rain Gardens
- Bio Swales
- Pervious Asphalt/Concrete
- Infiltration
- Buffer Strips
- Conservation/Open Space

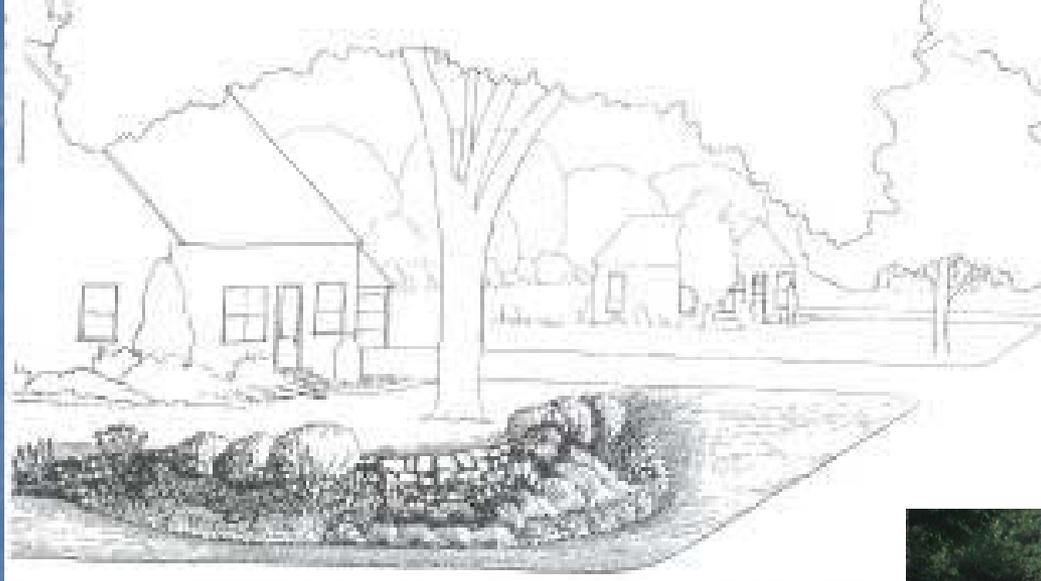
New Berlin Hills Golf Course Stream Bank Stabilization



Calhoun Creek Stream Bank Stabilization and Pond Dredging



Rain Gardens



Porous Pavement



Bio-Retention Swales



Proprietary Devices



BMP Inspection and Maintenance

- Develop policies & procedures
- Record and track maintenance agreements
- Funding sources should be shared by public and private sources
- Municipality should police itself through the Utility to set the tone
- Focus on new development
- Public education & support
- Make the tough choice of public vs. association responsibility

