



"Improving the quality of life in rural communities"

# Asset Management Plan Review for Small Communities



Presented by:
Wayne Cannon
Rural Development Supervisor







Ohio Rural Community Assistance Program
Administered by W.S.O.S. CAC, Inc.
219 S. Front Street, P.O. Box 590
Fremont, Ohio 43420
1-800-775-9767

Ohio RCAP provides free technical assistance to communities under 10,000 population. We assist with project planning, development and funding. Often, we work with communities to evaluate their rate structures and financial capacity. In addition to working with individual communities, we also offer several classes each year to local officials and operators.



## Ohio RCAP Receives Funding from the Following Agencies:





Division of Drinking and Groundwaters









## RCAP Offers More than Traditional Water and Wastewater Services



#### **FEE BASED:**

- •Loan and Grant Writing Services for > 10,000 population
- •NEPA Environmental Reports
- •CDBG Administration
- Source Water Protection Planning
- Asset Management Planning
- •Utility Rate & Structure Analysis for water > 10,000 population and sewer > 3,300 population
- •Comprehensive Community Development





#### What is Asset Management?



"A process for maintaining a desired level of customer service at the best appropriate cost."

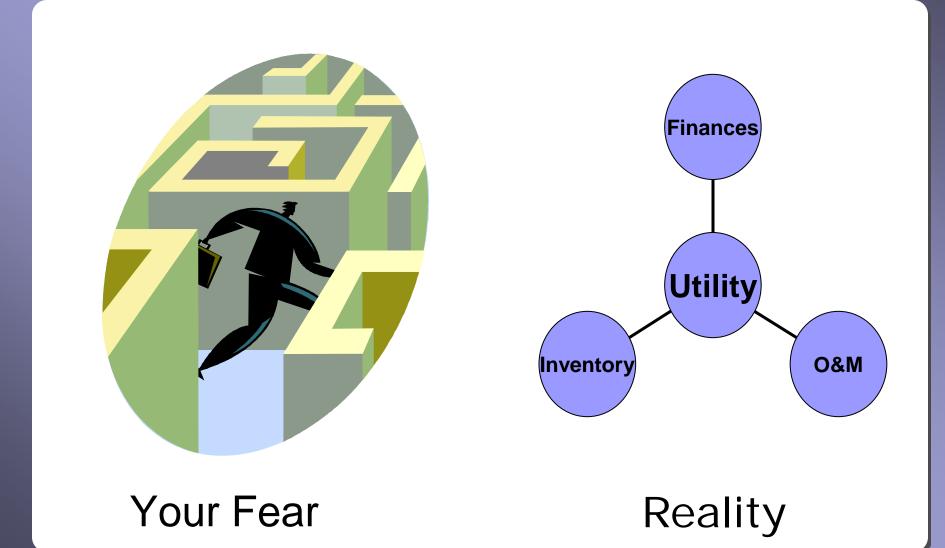


Focus: "Lowest Life of Asset Cost"

**NOT** "Lowest Next Year Cost!"

## Worried that Asset Management is a maze?





# Four components of a successful Asset Management Plan

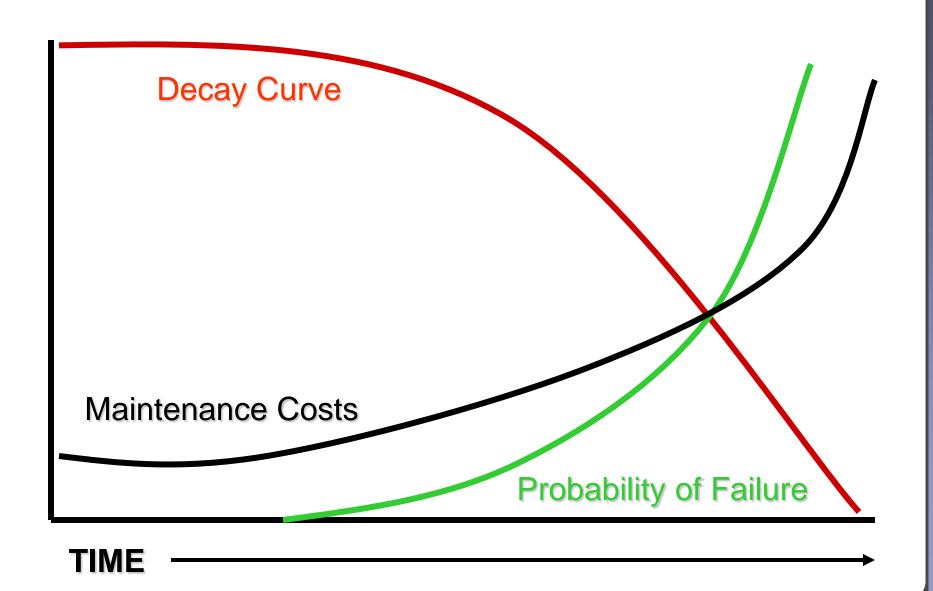


- Effective Preventative Maintenance
- Predictive Maintenance Escrow
- 3. Systemic Asset Replacement
- 4. Sustainable Rates

http://www.epa.gov/cupps/



### Minimize Life Cycle Cost



### Car Example









#### **Maintenance Plan**

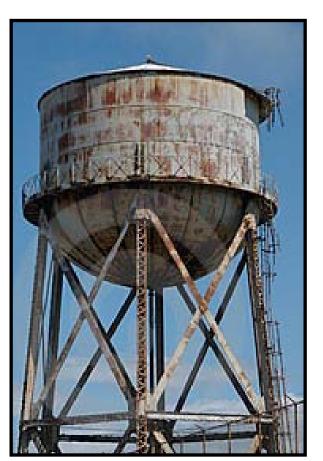
- Run until failure
- Preventative Maintenance
- Predictive Maintenance

#### **Useful Life**

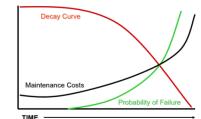
60,000 miles 4 yrs 180,000 miles 12 yrs 300,000 miles 20 yrs

### Managing remaining useful life...





- Minimize lifetime ownership cost through improved preventative maintenance and timely predictive maintenance (asset rehabilitation).



Step 1 – Maintain assets to achieve their maximum useful life.

#### Planning asset replacement...



#### "Everything wears out eventually!"

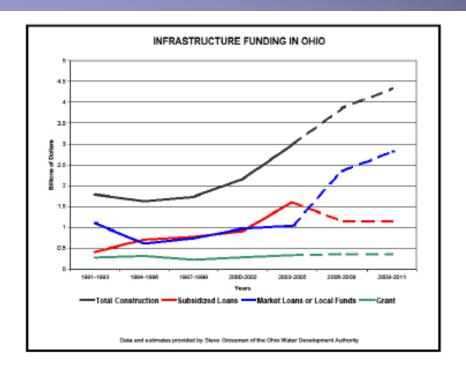


Deferring failure is never cost effective. History shows 30 – 70% of equipment maintenance is misdirected.

**Step 2 – Systematically plan for asset replacement.** 

### Infrastructure Funding Trends





Grants dollars have remained stable over time. However, construction cost are increasing. The funding gap is presently being filled by low interest and commercial rate loans.

Larger local contributions will be necessary in the future!

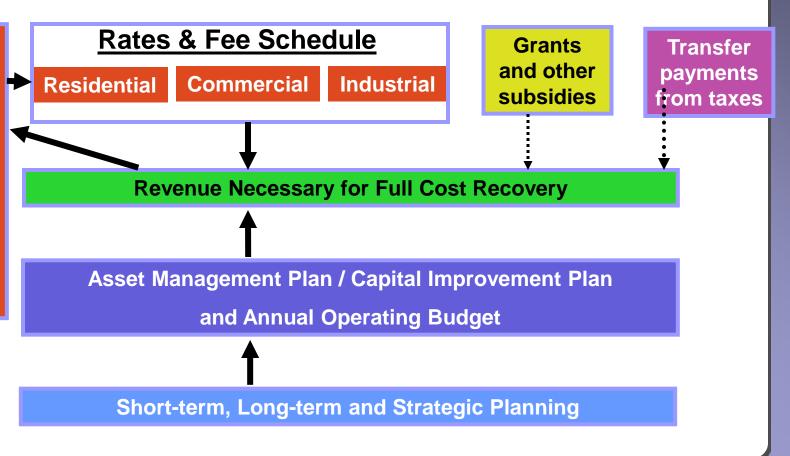


# The HOLY GRAIL of Asset Management is



#### **Full Cost Recovery**

Fair and
equitable
RATE
STRUCTURE
which
supports the
community's
Lifestyle and
Economic
Development
goals.



### Paying for Asset Replacement



- In theory you should save enough money to pay for capital replacement from cash (DEPRECIATION). However in most cases this expectation is not realistic.
- Grant and low interest loan providers want to finance projects which are ready to proceed! (Shovel Ready!)
- Project soft cost usually account for 10 to 15% of total project cost. Ohio RCAP recommends that communities endeavor to save at enough money to pay these cost from cash over the assets remaining useful life.

### Our Asset Replacement Message



Small communities can dramatically increase their odds of maximizing grant and low-interest loan opportunities if they plan ahead.

It usually takes a minimum of two, and sometime up to four years or longer to secure and release all of the necessary funding for a major project, before a shovel is ever put in the ground.

Small communities need to be strategic which projects they seek to fund out-of-pocket, with loans and with grants.



#### Safeguarding cash reserves.



Goal: Great American Dream



### Unrestricted money will be spent!

A dedicated savings "ESCROW" account must be established to safeguard cash reserves for their intended purpose.

**Problem**: Need to save money for 20% down payment.

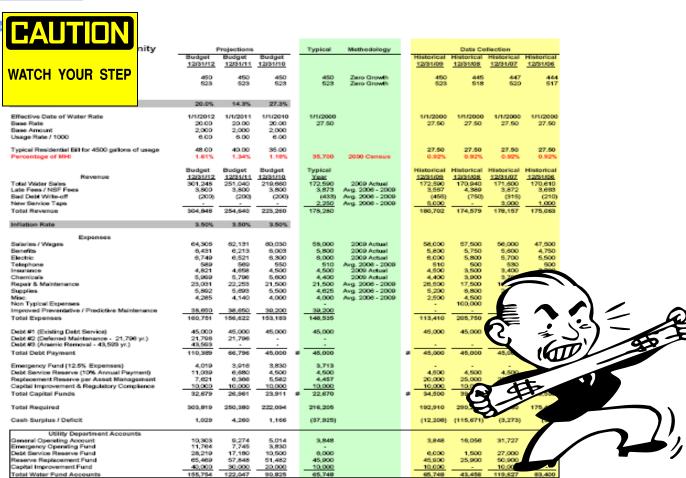
Solution: Monthly deposits to a dedicated SAVING account.

#### **Full Cost Recovery**





## **Budgets provide a Foundation for Rates**



# Asset Management Plan Implementation





#### Information is the Catalyst for Change!

- When provided with inadequate information most decision makers will do nothing.
- To facilitate change operators and administrators must feed information to the decision makers in support of their recommendations.
- Therefore, the collection and reporting of business information is one of the operator's / administrator's most important jobs.

"No decisions will be made until paperwork supporting your recommendations are received".

#### What is CUPSS?



- Free Computer Maintenance Management System (CMMS) / Asset Management tool
- 'Desktop software' program that runs on your computer

#### CUPSS is tailored for small systems:

- Simple interface
- Baby-step approach
- Work order maintenance tickler system
- Back up budget talks with solid facts
- Save time by planning ahead
- Improve customer service

