

New London Council Workshop
April 23, 2018 @ 5:30 p.m.

Present: John Martin, Janice Myers, Mike Willis, Marion Paramore, Shawn Pickworth, Tom Borck, Sid Hoover and Don Patton

Shawn Pickworth introduced Tom Borck and Sid Hoover from Poggemeyer Design Group. Mr. Borck and Mr. Hoover were in attendance to explain the requirements of Ohio Senate Bill 2 on Asset Management. Mr. Borck stated they were presenting Asset Management as an educational program for council to inform them so that the New London community will be in compliance with the new bill. Mr. Borck and Mr. Hoover explained that Asset Management was a planning tool to make sure our water system is sustainable. The Village of New London is required to have an Asset Management Plan in progress by October 1, 2018.

Mr. Borck and Mr. Hoover then presented a PowerPoint presentation on Asset Management. A copy of the PowerPoint presentation is attached as Appendix A.

At the end of the PowerPoint presentation it was explained that while right now an Asset Management Plan will only be required for water systems, it can be expected to be required for sanitary sewer systems, sanitation, recreation departments etc. in the future. The village is going to be proactive and be as prepared as possible for these other departments as well.

Workshop was adjourned.



Nancy Howell
Fiscal Officer



John Martin
Mayor

Appendix A

Asset Management

Meeting the Requirements
Of Ohio Senate Bill 2

Tom Borck P.E.
Sid Hoover



Ohio Senate Bill 2

- ▶ SB2 covers many items: Protecting Lake Erie, Water Quality Professionals, Director Authority, Disposal of Debris, and ASSET MANAGEMENT
- ▶ Draft Rules January 16
- ▶ Final Rules Late Spring Early Summer
- ▶ Asset Management Plan in progress by October 1, 2018



Additional Information about AM Plan

- ▶ Will not be turned in, is not a public document
- ▶ Needs to be completed for WSRLA Funding
- ▶ Will take the place of CAP for WSRLA Processes
- ▶ Questions about AM will be part of sanitary surveys
- ▶ Director can request a copy of AM Plan



What is Asset Management?

- ▶ Adequately planning for the future of your system
- ▶ Taking an inventory and an evaluation of your assets
- ▶ Planning for maintenance and replacement
- ▶ Making sure funds are available
- ▶ Making sure system has adequate personnel



How Can Asset Management Help Your System?

- ▶ Gives you a plan to follow
- ▶ Helps you identify weak areas of your system
- ▶ Can save you time
- ▶ Will save you money
- ▶ Will allow you to better serve your customers



Four Main Portions of AM Plan

- ▶ Managerial capabilities, staffing, and operations
- ▶ Technical capabilities, assets, and conditions
- ▶ Financial, capabilities billing, and planning
- ▶ Long term implementation, level of service



Managerial Capabilities

- ▶ Ownership and accountability of system
- ▶ Certifications and training
- ▶ Contingency plans
- ▶ Personnel, job duties and succession planning
- ▶ Example of how violations are addressed and how customers are notified



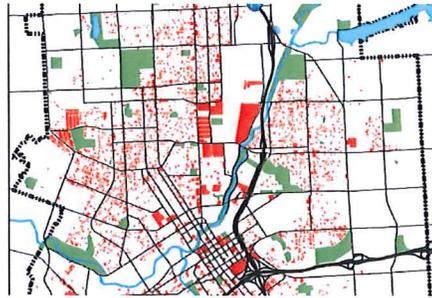
Managerial (continued)

- ▶ Source Water Protection
- ▶ Written Policies
 - ▶ Security
 - ▶ Use of system equipment
 - ▶ Billing
 - ▶ Customer deposits and payments
 - ▶ Collections, connections, and disconnections
 - ▶ Internal communication of water loss
- ▶ Purchasing authority and procedures



Technical Capabilities

- ▶ Schematic of Plant
- ▶ Map of distribution system
 - ▶ Start with a current map
- ▶ O&M programs
- ▶ Inventory of assets
- ▶ Location of assets
- ▶ Evaluation of assets



Inventory of Assets

Use people familiar with your system

- ▶ Purchase or installation date
- ▶ Status
- ▶ Condition
- ▶ Material
- ▶ As-Builts or Record Drawings
- ▶ History of materials
- ▶ Soil conditions

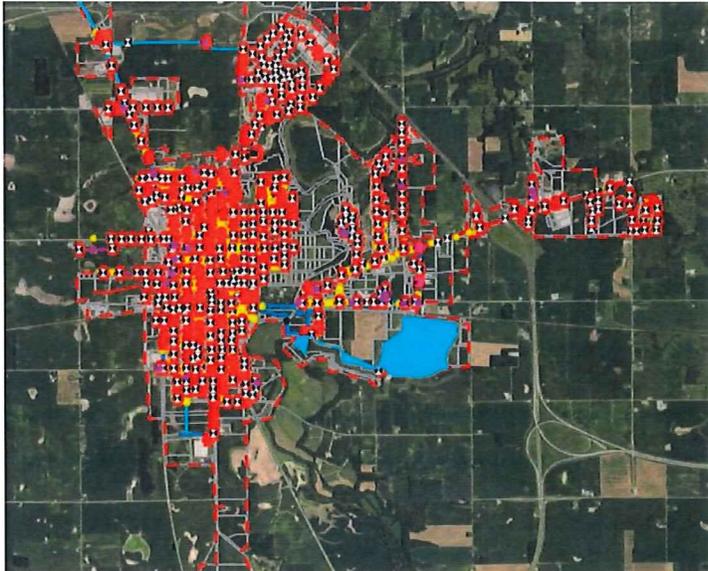


GIS Mapping

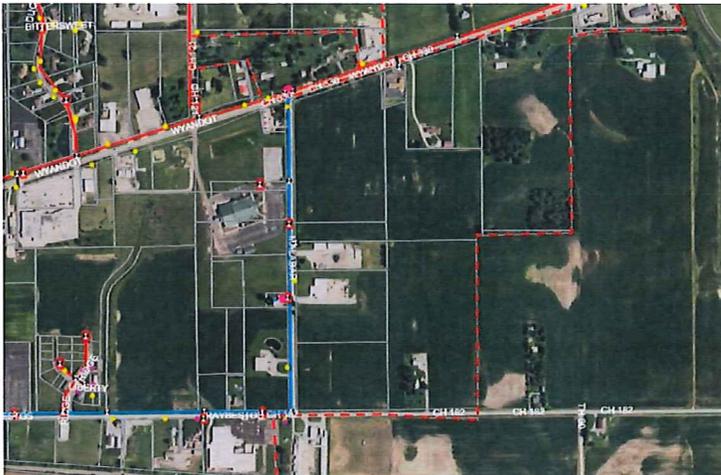
- ▶ Good way to help organize data
- ▶ Can be accessed in the field
- ▶ Will save time on installations and repairs
- ▶ Can add not water assets to GIS
- ▶ Can require contractors to log points in the future

<https://arcg.is/1HvzWL>

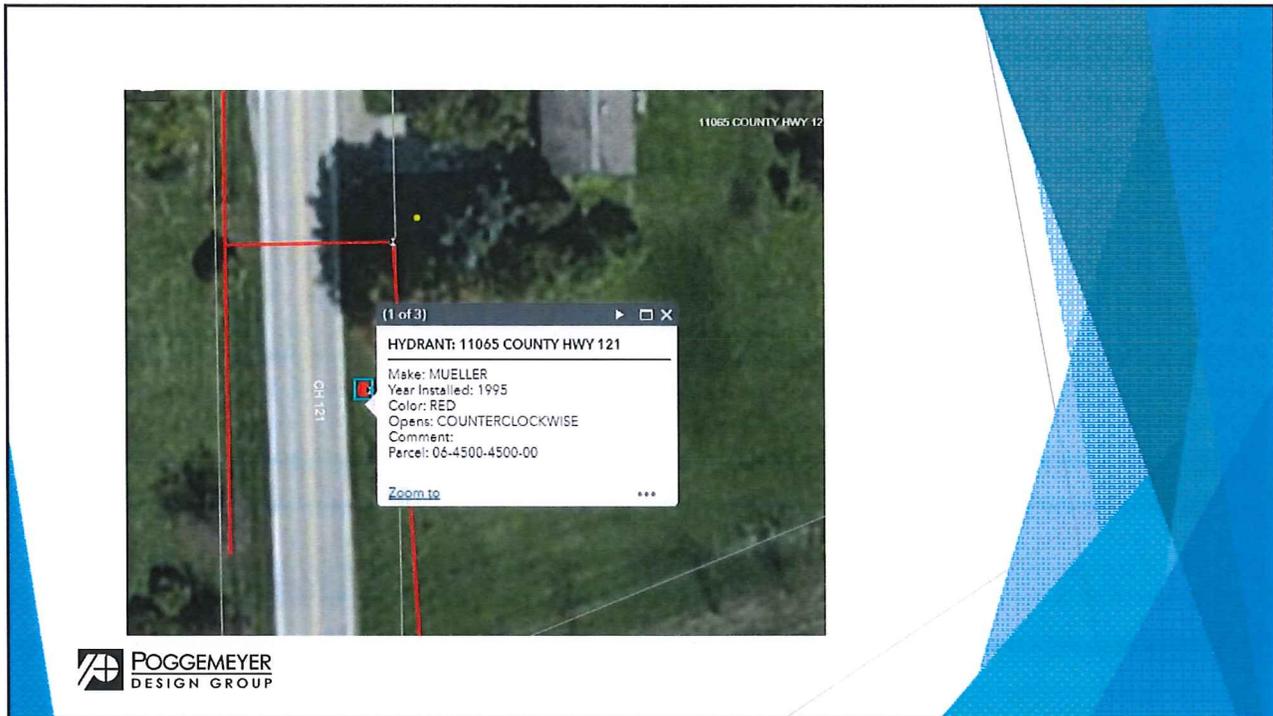




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Evaluating Assets

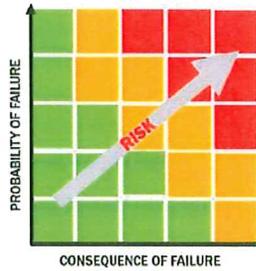
- ▶ Risk (probability of failure)
 - ▶ Based on age, material etc.
 - ▶ Take into account past failures, main breaks, etc.
- ▶ Risk (consequence of failure)
 - ▶ How much of system does asset serve
 - ▶ Is there redundancy
 - ▶ Does the asset serve a sensitive population

Risk Process Components

Probability of Failure x Consequence of Failure = Risk Score

- Failure Mode (POF)**
- Mortality
 - Level of Service
 - Capacity
 - Efficiency

- Consequence**
- Economic
 - Social / Safety
 - Environmental



Financial Capabilities

- ▶ 5 years past and future pro-forma statements
- ▶ Documentation of triennial water rate evaluation
- ▶ Documentation of customer billed water usage



Water Loss and Metering

- ▶ Tracking water loss
- ▶ Finding unmetered service connections
- ▶ Metering city buildings
- ▶ Estimating main breaks, fire flows, hydrant flushing



Long Term Implementation

- ▶ Comprehensive Capital Improvement Plan
- ▶ Review and maintain asset management plan annually
- ▶ Establish overall water system goal
 - ▶ Uninterrupted supply of high quality potable water
- ▶ Establish level of service goals
 - ▶ Focus on service, cost, compliance and maintenance



Metrics

Metrics need to be kept onsite and reviewed annually

- ▶ Operating budget
- ▶ Cost per customer/connection
- ▶ Breaks per mile/MG/customer connection
- ▶ Water Loss
- ▶ Summary of depressurization events
- ▶ Emergency vs. planned rehab and replacement
- ▶ Customer complaints per year
- ▶ Summary of completed CIP projects
- ▶ Rate Structure
- ▶ Reliability
- ▶ Plant Utilization

Strategizing to Complete your AM Plan

- ▶ Team effort required: plant staff, distribution staff, administration, financial staff
- ▶ Plan who will do what before getting started
- ▶ Develop a logical order to complete plan
- ▶ Will save you money in the future to do it right the first time

Tying Pieces Together in Comprehensive Plan

- ▶ Each piece of the AM plan builds on other pieces
- ▶ Have all documents together electronically so the plan can be updated
- ▶ Go through relevant pieces of the plan with new employees
- ▶ Evaluate if you achieved the goals you set each year



Questions?

For additional questions or comments please contact Sid Hoover at HooverS@poggemeyer.com

