

**MWRD Welcomes**

**Members of**

**The Advisory Technical Panel**

**and**

**Distinguished Guest Speaker**

MWRD LASMA Visitor Center

October 10, 2012

***MWRDGC***

# **Report to MWRD Board**

- **Study Session held on September 27, 2012**
- **Several members of ATP attended**
- **MWRD Executive Director made a presentation**
- **Few ATP members addressed the MWRD Board on behalf of municipalities**
- **Opinions of the MWRD Board members received on several issues**

# Elements of New I/I Program

- Long Term Operation and Maintenance Plan
- Public Sector I/I Removal
- Private Sector I/I Removal
- Financing Plan
- Enforcement
- Possibilities and Considerations

# Long Term O & M Plan

- **Communities must take care of their systems**
- **Long Term Plans – 20 to 30 years**
- **Short Term Aspects – 3 to 5 years**

# Long Term O & M Plan Minimum Requirements

- **Accurate Sewer Atlas – GIS**
- **Risk based analysis**
  - ✓ **Sewer inspection, cleaning**
- **Commitment to rehabilitation**
  - ✓ **Annual based on risk - \$\$/mile**

# **Long Term O & M Plan Minimum Requirements**

- **Maintenance Plan – Reactive and Proactive**
- **Description of how work is scoped, designed, scheduled and performed**

# Long Term O & M Plan

## Minimum Requirements

- **Permitting Plan – how do you control system connections and implement private I/I control**
- **Financing Plan**
- **Staffing Plan**
- **\*\*CMOM program guidelines**

# Public Sector I/I

- **Cross-connections – Stormwater Drains**
- **Closed, locking lids on areas prone to flooding**
- **Lining sewer lines under ditches and creeks**
- **Smoke testing, CCTV, rehabilitation**
- **Assessment/rehabilitation inventory**



# Private Sector I/I

- **Biggest challenge – biggest contribution**
- **Roof drains and downspouts**
- **Sump pumps and foundation drains**
- **Driveway, yard and window well drains**
- **Cracked and broken laterals**

# Financing Plan

- **State Revolving Fund**
- **Local funding through sewer service fees**
- **Creation of a Special Assessment District**  
**\*\* 20 year bond financed by ad valorem tax**
- **Lateral insurance programs**

# Enforcement

## Expand the Sewer Permit Ordinance and Manual of Procedures

- ✓ Require private sector I/I program
- ✓ Require % of private properties inspected annually
- ✓ Require lateral inspection/repair on demo, sale or property improvement

# Enforcement

- **Fines or consent orders – IEPA**
- **No Maintenance – Excess Flow Charge (legislation)**
- **Monetary incentives could be refunded to communities for sewer work**

# Possibilities and Considerations

- 1. Private Property I/I Reduction Program**  
similar to Milwaukee's program (will require legislative changes and funding)
- 2. Local Loan Program**  
authority exists since 1999 (legislative)
- 3. Public Information/Education**
- 4. Annual Reporting of Fund Utilization**
- 5. Targeting High I/I Areas**
- 6. Green Infrastructure**
- 7. Regional Programs for Economy of Scale**

## **Recommendations**

- **Draft a new I/I program with ATP**
- **Develop economical solutions**
- **Develop short term and long term goals**
- **Develop investment guidelines for continued asset management**

# Recommendations

## Near Term Goal: 3-5 years

- Prepare inventory of public and private I/I sources
- Establish an effective long term maintenance plan
- Address low hanging fruits
- Develop strategy to address private sector I/I
- Develop funding strategy

# Recommendations

## Long Term Goal: 20-30 years

- Develop and implement long term plan
- Prioritize and complete projects – cleaning, inspection and rehabilitation
- Reduce basement backups and SSOs



# Next Steps

- Incorporate feedback into development of new draft program
- Include discussions with ATP in drafting program elements and ordinance language
- Present to MWRD Board in 2013

# Next Steps

## Next meeting in January 2013

- Prepare draft ordinance language on private sector requirements and send to ATP for review (subcommittee recommended)
- Refine elements of LTOMP program and reasonable annual expenditure goals (subcommittee recommended)
- Prepare draft basement backup/SSO reporting form for ATP review

# Next Steps

## Next meeting in January 2013

- Request legal review of issues
- Draft outline of private property assistance program (subcommittee recommended)
- Draft outline of loan program (subcommittee recommended)

## March 2013 meeting

- Draft public information material
- Draft outline for targeting high I/I areas
- Draft annual report form for ATP review

# Next Steps

**May 2013**

- **Investigate flow monitoring assistance feasibility**
- **Investigate lateral insurance programs**