

# ICAP in Rearview Mirror

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MWRD LASMA Visitor Center

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# **Lessons from ICAP**

## **ATP's Perspective**

- **150 gpcpd is an extremely difficult target**
- **Convey and treat – has this occurred?**
- **Lack of political will for regular private sector inspections**
- **Funds collected as sewer/water bill are sometimes/often spent on unrelated municipal work**
- **Regulatory force is often required (e.g., mandate from regional/state agency, ordinance, violation proceedings, consent decree) to get a job done**
- **Lining sewer mains does not always result in a substantial flow reduction (leak migration)**

# Lessons from ICAP

## MWRD Perspective

### Cost-effectiveness Analysis

- Too much leeway in ranges of costs, peak flow rates, repair efficiencies and typical service life
- Include property damages (e.g., basement backups, localized flooding, etc.), violations, and regulatory fines, etc. in the equation

### Long-Term O&M Program

- Need for strict adherence
- Regular inspection of private sector I/I sources and follow-up for violations
- Commitment for annual inspections, maintenance, repairs/rehabilitation, and timely asset replacements

### Storm Frequency

# Private Sector I/I Sources

## Sewer Lateral

- O&M is property owner's responsibility (up to public ROW/ public main)
- Repair/replacement becomes burdensome due to permitting time/costs and excavation into streets
- May result in the owner repairing only the portion within their property and neglecting the one in public ROW
- Repair/replace vs. just lining

## Illegal Connections

- Low hanging fruits – downspouts, abandoned service lines, etc.
- Storm sump pumps, window well and yard drains, etc.
- Footing drain disconnections require sustained, long-term approach, and often cost-sharing

# **Ideas for Asset Repairs/Replacements**

## **Sewer Lateral**

- **Inspection and repair/replacement with change of ownership, expansion or remodeling of property (>25-year old)**
- **Incentivizing repair/replacement of stub/riser while reconstructing a street**

## **Foundation Drain Disconnection**

- **Make it a requirement with a major renovation or expansion**

## **Replacement of Sewer System**

- **Prepare a 50 to 75-year program for replacement of sewer system**
- **Replace sewer system with reconstruction of the streets**
- **Require that older sewer lateral (say 40 plus years) must be replaced when a teardown occurs**

# Next Meeting

Next Meeting tentatively scheduled on September 19,  
2012, 1:00 pm at MWRD LASMA Visitor Center

MWRD will keep ATP members and COGs advised of the  
Study session if/when one is scheduled

Please follow-up MWRD Board action by visiting website  
[www.mwrdd.org](http://www.mwrdd.org)

**ANY QUESTIONS?**