Wisconsin Wastewater Operators Association
Annual Conference
Workshop
“Find It, Fund It, Fix it”
Private Property Programs
October 21st 2010
Joan B. Hawley, P.E.
Private Property Programs Overview

Joan B. Hawley. P.E.
Superior Engineering
The first steps

• Develop the Program
  • Legal/Ordinance Structure to enforce
  • Street Reconstruction Program
  • Identify initiatives
  • Internal Review (Marshfield example)

• Then develop solutions (latera

• Develop Public Outreach
• Identify Stakeholders
Finding Private Property

Ron Dickrell, Superintendent
City of Marshfield
Identify the program

- What are your program elements?
  - Downspout disconnects?
  - Sump pump installation?
  - Lateral inspection and replacement?
  - Stormwater storage
  - Stormwater conveyance

- Identify the I/I sources and provide the best economical solution
Things to Consider

- Ordinance in Place
- Funds
- Fines
- City/Village Insurance – ie League of Municipalities – Insurance
Funding

- Low Income
- Social impact
- Economic impact
- Using the right solution
Funding – Types

- Property Owner versus Municipality
- Taxes
- Fees
- Insurance
- Monthly/quarterly
- Assessments
- Grants
Village of Morton, IL

- 17,000 customers
- Sump pump disconnect program
- Property owner is responsible for the work
- $500 grant
Campbellsport, Wi

- Over 700 homes replaced laterals
- On-going long term program
- Hickups in the beginning – defined guidelines and eliminated some of them
- Sewer Lateral Replacement Fund
  - $5.00 fee to the quarterly bill
  - Customers need to apply for the application
- Replace during street reconstruction – assess $75/foot
- Approximately $14,000 collected
Voluntary Lateral Maintenance Program

- Customer signs up for $30/year ($2.50/mth/REU*)
- Maintenance includes:
  - Clearing blockages
  - Repairing lateral to building
  - Reimbursing sewer backup damages

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Actual Revenue</th>
<th>Estimated Number of Customers</th>
<th>Approximate Percent of Customers Participating</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002</td>
<td>$ 0.00</td>
<td>0</td>
<td>0 %</td>
</tr>
<tr>
<td>2003</td>
<td>$ 43,043.00</td>
<td>1,550</td>
<td>3 %</td>
</tr>
<tr>
<td>2004</td>
<td>$ 96,912.00</td>
<td>3,550</td>
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</tr>
<tr>
<td>2005</td>
<td>$ 219,667.50</td>
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</tr>
<tr>
<td>2006</td>
<td>$ 321,741.50</td>
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*Residence Equivalency Unit
Johnson County

- [www.jwc.org](http://www.jwc.org)
- Started by “request” from EPA
- Foundation Drain Disconnect Program
- Reimbursement of funds
- Lots of documents/references available
Vallejo Sanitation and Flood Control District

- Upper lateral Fee - $1.38/month/customer (2005)
- Inspection program
- www.vsfcd.org
– Applies to development in areas with capacity limitations

– Developers must rehabilitate existing sanitary sewers (which can include laterals) to remove I/I sources equivalent to 4 times the proposed peak flow for development

  ▪ Developers pay for the lateral replacement costs
  
  ▪ Property owners are responsible for the final restoration (including top soil, seeding, watering, etc.)
Program Highlights

GSWSA, Conway, SC

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*Residence Equivalency Unit
Program Highlights
Auburn Hills, MI

- Program included:
  - Downspout extension
  - Footing drain / sump pump disconnection
  - Backflow prevention valves installed

- Under abatement order to eliminate overflow and basement flooding
Paid for out of General Fund

Implemented from 2000 through 2006
  – Discontinued because 99% of the homes were disconnected and metering results favorable

Lessons Learned
  – Extremely effective at eliminating the excess flows in the system
  – Public education and relations are critical
Private Building Sewer Replacement Program

- City inspects lateral and assigns condition assessment rating after receiving complaint of lateral issue
- Homeowner responsible for replacing deficient lateral
  - City reimburses 10% up to $250 for work completed within 90 days
- City replaces public portion of lateral and installs cleanout
  - Also done on major sewer projects
- Downspouts disconnected
Legal Issues

- Notification to property owners
- Inspect laterals
- Replace/Rehabilitate laterals
- Going on private property
Who owns What – and how is being paid for

- Lateral - $1.38/lateral/month sewer fee
- Campbellsport $5/quarter/lateral/year
- Racine $50/year – per lateral – within road
  City takes care of it
Find It

Ron Dickrell, Superintendent
City of Marshfield