

Sustainable Water Infrastructure Task Force
Public Input Session
May 8, 2008

Innovative Measures

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3 Rivers Wet Weather, Inc.

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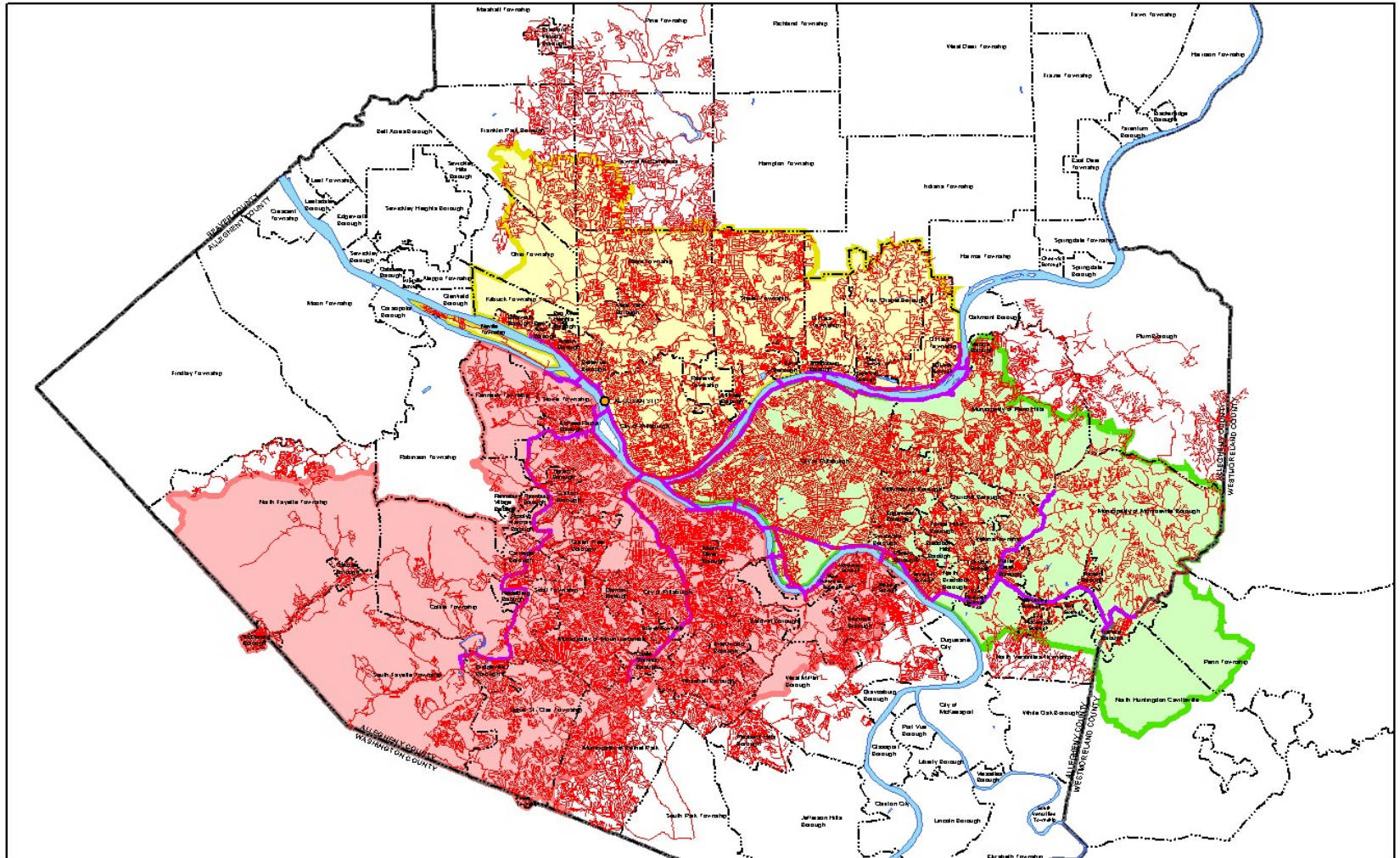
- ▼ Created as a nonprofit organization
 - ▼ Allegheny County Health Department
 - ▼ ALCOSAN
- ▼ Facilitates development and implementation of regional approaches and standardized engineering protocols
- ▼ Cultivates inter-municipal partnerships for cost-effective regional watershed solutions
- ▼ Funded through federal, state and private foundation grants

The Challenge is Governance

- ◆ One sewage treatment authority (ALCOSAN)
 - ◆ 300,000 customers/265 square mile area
- ◆ Collection System
 - ◆ 4,000 miles of public sewer
 - ◆ 4,000 miles of private laterals
 - ◆ City of Pittsburgh and 82 suburban municipalities
 - ◆ 10 operating or finance authorities

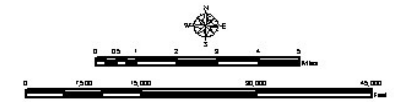
3 Rivers Wet Weather Demonstration Program ALCOSAN Service Area Sewer Mapping

September 2003



3 Rivers
Wet Weather
Demonstration Program
improving our region's water quality

- Municipal Collection System
- ALCOSAN Interceptor
- Allegheny County Boundary
- Eastern Basin Group
- Northern Basin Group
- Southern Basin Group



Source: Not Park Valley

Critical Components for Success

▼ Leadership

▼ Communication

Leadership

- ▼ A slate of influential leaders
- ▼ Visible and energetic
- ▼ Able to attract cooperation from many participants
 - ▼ Academia
 - ▼ Councils of Government
 - ▼ State and local elected officials
 - ▼ Media

Communication

- ◆ Message must be consistent and concise
 - ◆ Start with a basic message and build over time
- ◆ Message must be aimed at broad audience
 - ◆ Rate payers
 - ◆ Elected officials
 - ◆ Municipal managers
 - ◆ Engineering community

Critical Tools

- ▼ Communication with various stakeholders
- ▼ Integrated infrastructure data

Communication with Stakeholders

- ◆ Well-planned meetings and lots of them
- ◆ Pertinent agendas
- ◆ Well-facilitated meetings
- ◆ Knowledgeable speakers
- ◆ Direct communication with attendees soon after meetings
- ◆ Establish database tool for communication

Integrated Infrastructure Data

- ◆ Facilitate collection and evaluation using consistent methodologies
 - ◆ GIS spatial mapping
 - ◆ System-wide condition assessment
 - ◆ System-wide flow monitoring
- ◆ Stored in a central hub
- ◆ Distribute and update frequently

Short- and Long-Term Strategies

- ◆ Run the process like a business
- ◆ Create a long-term business plan
 - ◆ Based on asset management system
- ◆ Keep focused on long-term goals
 - ◆ Adjust short-term activities to meet needs of client

Definition of Success

- ◆ Recognize water and wastewater infrastructure as critical component of public health protection
 - ◆ Quality of life and social well-being
- ◆ Consolidate collection system into a utility-based management structure
- ◆ Required for economic development

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