



**Stormwater  
Management**

**Camp Hill  
Borough**

**Stormwater Utility Implementation**

**Stormwater  
Stakeholder Advisory  
Committee Meeting #3  
November 29, 2018**



Common Stormwater Problems



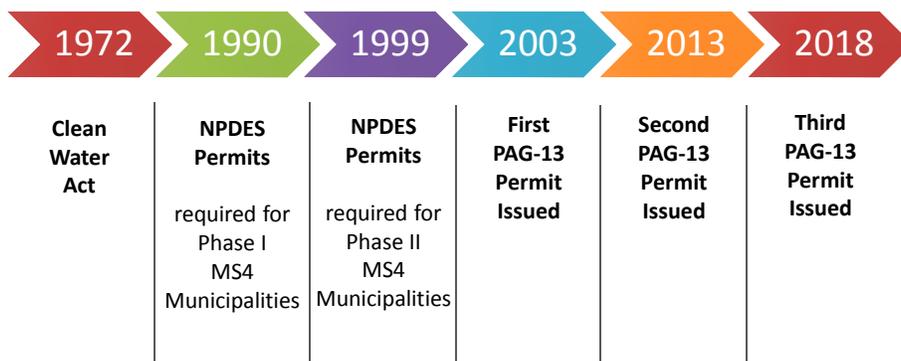
**HRG** BUILDING RELATIONSHIPS. DESIGNING SOLUTIONS.  
A KIMBERLY-CLARK COMPANY

## New Challenges and Mandates

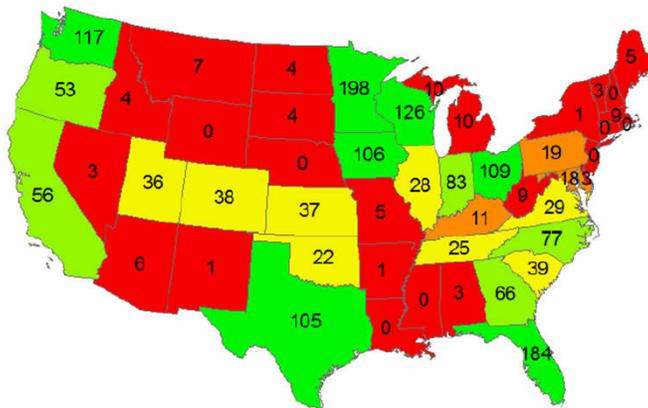
Aim To Improve Water Quality



## PAG-13 History: *Regulatory Timeline*



## Stormwater Utilities



More than 1680 Stormwater Utilities documented in 40 states

Ref: WKU Stormwater Utility Survey 2018



## A Utility provides

*...a Funding Source that is:*

- **Dedicated**
- **Program-driven**
- **Sustainable**
- **Equitable**
- **Funding concept, not bigger government**



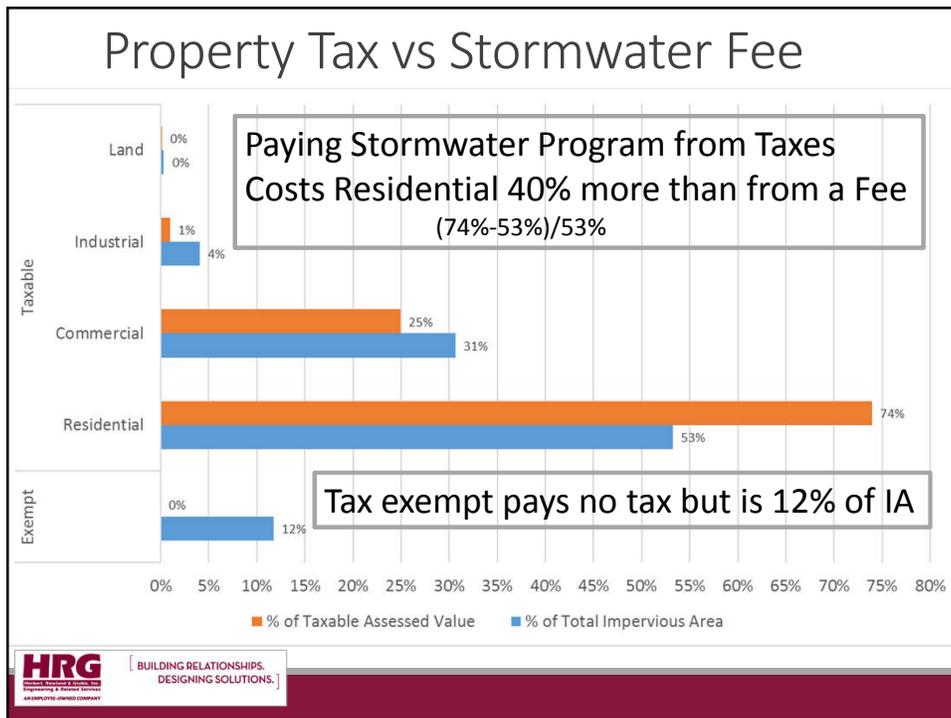
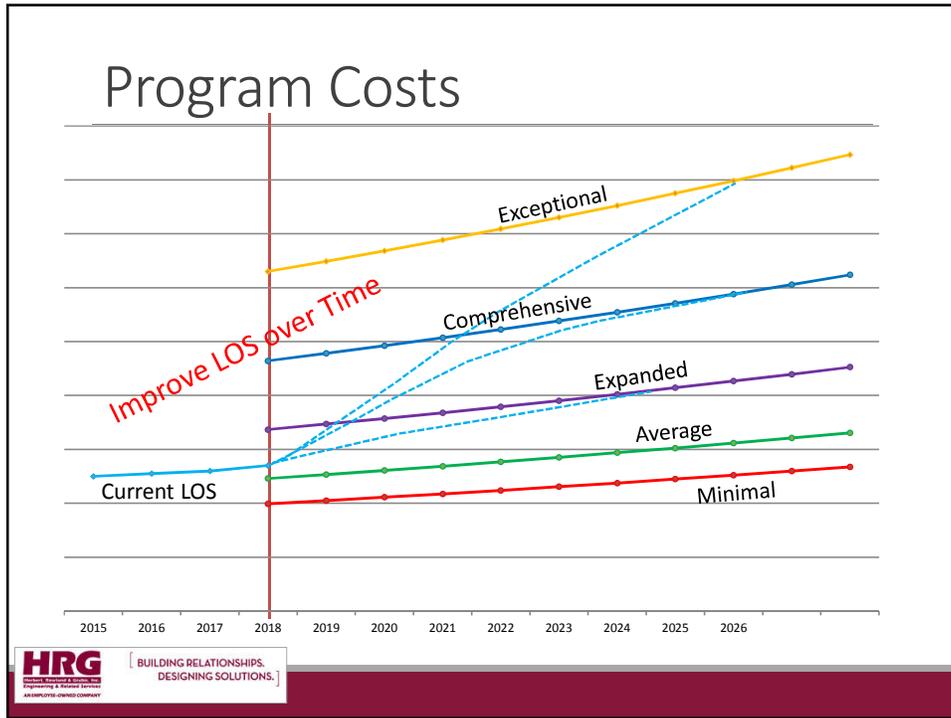
## Borough Stormwater System

17 miles of pipe/culvert, 750 inlets/manholes  
 End of useful life in next few years  
 Significant costs for needed improvements  
 Tightening regulations from new MS4 Permit



## Level of Service

Level of Service	O&M	Planning & Compliance	Capital Improvements
Exceptional	Fully Preventative/ 100% Routine	Comp planning, NPDES compliance	Prioritized/Fully Funded
Comprehensive	Mix of routine & inspection based	Priority Planning	Phased/allocated budgets
Expanded	Inspection based	Reactionary Planning	Inspection- based/moderate budget
Average	Responsive only	Emergency	Critical needs only/minimal budget
Minimal	Non-Responsive	No Planning	No planning/No budget



## Some Stormwater Program Services

- Street sweeping
- Drain grate cleaning
- Inlet box cleaning
- Pipe flushing
- Planned capital improvements
- Televising/cleaning
- GIS development
- Complaints investigation
- Contracted and In-house Repairs
- Outfall/BMP monitoring
- Enforcement
- MS4 reporting
- Illicit discharge program (IDDE)
- Leaf collection
- Composting



## Example Capital Improvement Needs



Beverly & 30th Project



## Example Capital Improvement Needs



Bramar Culvert



## Example Capital Improvement Needs



Siebert Park Stream Stabilization



## Capital Improvement Plan



Excerpt from Map



## Initial Projects

<b>30th &amp; Yale Culvert Rehabilitation</b>	140,000
<b>North 25th Stream Improvements (Willow Park bypass)</b>	120,000
<b>Siebert Park Slope Repair</b>	30,000
Beverly & N 30th Storm Sewer Improvements	30,000
Bramar Culvert Feasibility Study	20,000
State & Shaffer Drainage Feasibility Study	30,000
Stormwater Utility Implementation and GIS	150,000
Beverly Park Stormwater Improvements (part of project)	125,000
Schaeffer Park Stormwater Improvements (part of project)	105,000
South 26th Street Culvert Replacement	120,000

See draft Stormwater Capital Improvements Plan for details and additional projects



Stormwater Program Budget	5-Year Avg
Operating Expenses	316,000
Capital Improvement	431,000
Annual Revenue Needed from Fee with Delinquency Estimate	<b>\$770,000</b>