



# ALCOSAN Board of Directors Green Committee Meeting

July 16, 2020



# Green Committee Agenda

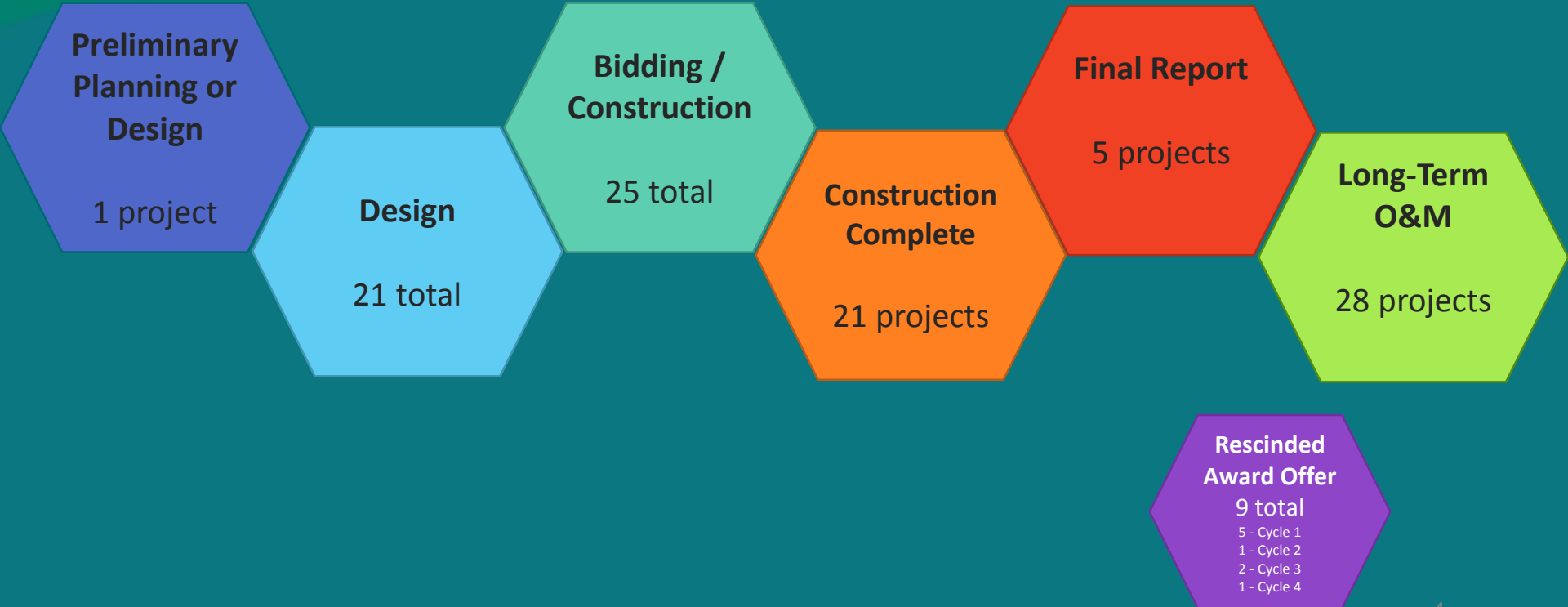
- Roll Call
- Informational Items
  - GROW Program Update
  - Controlling the Source
  - Status of IDRCs
- Other Business
- Future Meeting Dates
- Adjournment



# GROW Program Update



# Project Status (101 Projects)





# Modified Schedule

Task	Original Schedule	Modified Schedule
LOIs due	March 31	May 1
Invitation to Apply Issued	May 1	June 1
<b>Applications Due</b>	<b>June 30</b>	<b>July 31</b>
<b>Green Committee Meeting</b>	September 17	October 15-21*
<b>Board Approval</b>	September 24	October 22
<b>Issue Notice of Award</b>	October 1	November 1

\* October Green Committee meeting was not anticipated in 2020 schedule



# Cycle 5 Letters of Interest

Project Type	Count*	Project Cost	Largest Single Project
DSIR	1	\$ 329,500.00	\$ 329,500.00
GSI	6	\$ 3,421,123.40	\$ 1,623,128.40
I/I	20	\$ 8,152,211.47	\$ 1,981,250.00
SS	9	\$ 13,481,843.60	\$ 4,361,929.10
SO	2	\$ 1,700,425.00	\$ 1,204,425.00
<b>TOTAL</b>	<b>38</b>	<b>\$ 27,085,103.47</b>	

\* Includes projects receiving "Bypass" letters



# DSIR and GSI Projects

Municipality	Project Name	New Participant	Project Type	Reimbursement? (Y or N)	Estimated Project Cost for Grant Consideration (\$)
North Versailles	Ice Plant Hill Runoff Control Project	No	DSIR	No	\$329,500.00
PWSA	Wightman Park Phase II	No	GSI	No	\$1,623,128.40
PWSA	Woodland Road GSI	No	GSI	No	\$887,900.00
East Pittsburgh	East Pittsburgh Mall Green Infrastructure Project	Yes	GSI	No	\$303,000.00
Homestead	Sarah Street Green Infrastructure and Flow Removal Project	No	GSI	No	\$212,820.00
West View	Center Avenue Parking Area Improvements	Yes	GSI	No	\$207,500.00
Rankin Borough	Rankin Recreation Site Green Infrastructure Project	No	GSI	No	\$186,775.00



# I/I Projects



Municipality	Project Name	New Participant	Project Type	Reimbursement? (Y or N)	Estimated Project Cost for Grant Consideration (\$)
Scott	2021 Source Flow Reduction and Sanitary Sewer Improvements	No	I/I	No	\$1,981,250.00
Monroeville Municipal Authority	T-29A-10 Sanitary Sewer Rehabilitation Project	No	I/I	No	\$1,123,320.00
Bridgeville	2020 Sanitary Sewer Flow Reduction Repairs Project	No	I/I	No	\$740,000.00
Wilkinsburg	2021 NW Area Sewer Rehabilitation Project	No	I/I	No	\$456,630.00
Mt. Lebanon	Scrubgrass Road Sewer Lining	No	I/I	No	\$411,336.00
Ross	Lingay Drive Sewer Rehabilitation	No	I/I	No	\$368,812.50
Avalon	2020 Regionalization and Source Flow Reduction Sewer Repairs	No	I/I	No	\$340,000.00
O'Hara	2017-2020 Sanitary Sewer Lining Repairs Program	No	I/I	Yes	\$289,894.00
Fox Chapel	2017-2019 Sanitary Sewer Lining Repairs Project	No	I/I	Yes	\$267,093.00
Dormont	Meter #6 Area I&I Removal Project	No	I/I	No	\$266,309.92
Shaler Township	Saxonburg Boulevard Sewer Rehab Phase II	No	I/I	No	\$260,780.00
Bellevue Borough	O-18 Sewer Rehabilitation	No	I/I	No	\$150,000.00
Brentwood Borough	Wanley Avenue Sewer Lining	No	I/I	No	\$358,350.00
Penn Hills	MacFarlane Drive Sewer Rehabilitation	No	I/I	No	\$807,000.00
Mt. Lebanon	Orchard Drive Sewer Lining and Thornwood Drive Stream Sewer	No	I/I	No	\$136,938.00
Neville	2016 Sanitary Sewer Improvements - Contract No. 16-S1	No	I/I	Yes	\$124,930.00
Green Tree Borough	Parkedge/Sheldon Sewer Lining	No	I/I	Yes	\$119,098.80
Blawnox Borough	Sanitary Sewer Repair - Phase VI	No	I/I	Yes	\$100,469.25



# SS and SO Projects

Municipality	Project Name	New Participant	Project Type	Reimbursement? (Y or N)	Estimated Project Cost for Grant Consideration (\$)
Crafton	Woodlawn and Fountain Street Sewer Separation	No	SS	No	\$4,361,929.10
Crafton	Crafton Boulevard Sewer Separation	No	SS	No	\$3,814,072.00
Homestead	Hazel Way Sewer Separation Project	No	SS	No	\$3,000,000.00
Carnegie	Cabbage Street Sewer Separation	No	SS	No	\$643,323.00
Aspinwall Borough	Western Avenue Sewer Separation Project	No	SS	No	\$519,200.00
Crafton	Perrine Street Sewer Separation	No	SS	No	\$499,303.25
Crafton	Emerson Avenue Sewer Separation	No	SS	No	\$319,016.25
Etna	Spring Street Separation	No	SS	No	\$150,000.00
West Homestead	Doyle Avenue Sewer Repairs	No	SS	No	\$175,000.00
Churchill Borough	Collins Road Pump Station Redirection	No	SO	No	\$1,204,425.00
Penn Hills	Beulah Road Sewer Reroute	No	SO	No	\$496,000.00



# Controlling the Source

Informational Item



# Controlling the Source

- Complete: Internal comments provided
- Complete: Peer review outside of the region
- Complete: Regional peer review, Internal review/formatting
- Complete: Update CtS in response to comments
- Complete: Internal ALCOSAN final review
- 7/11 to 7/20: Publication on ALCOSAN website
- 7/21/20: CtS publically available on ALCOSAN website



# CtS Opportunity Implementation



ALCOSAN Communication & Publication to Website



ALCOSAN Reaches Out to Municipalities

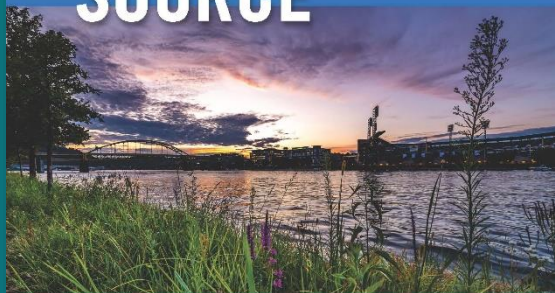


Fall municipal workshops



# Publications

## CONTROLLING *the* SOURCE

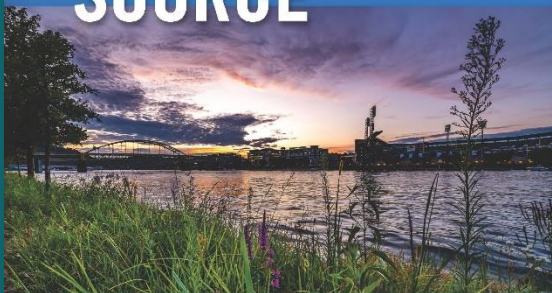


### EXECUTIVE SUMMARY



A Roadmap For  
Working Together  
on Impactful  
Source Control  
July 2020

## CONTROLLING *the* SOURCE



A Roadmap For  
Working Together  
on Impactful  
Source Control  
July 2020

### Controlling the Source (CTS) Web Map - Instructions



The Overflow Reduction Efficiency (ORE) layers are automatically shown upon opening the map. Use the mouse to click directly on an area to see the associated ORE value, whether it is the GSI (Combined) score, the I/I (Sanitary) score, the DSI score, or the GWI score. A legend will pop up displaying the ORE value(s).



For combined areas, the GSI\_ORE50 value in the pop-up legend shows the Overflow Reduction Efficiency with 50% potential GSI implementation.

For sanitary areas, the I/I\_ORE field in the pop-up legend will display the associated I/I\_ORE. In select sewersheds, the DSIR and GWI OREs are also available and shown as the DSIR\_ORE and ORE\_GWI fields in the pop-up legend.

About  Content  Legend

#### Legend

Map boundaries

FOC Subcatchments

DSIR Overflow Reduction Efficiency

0.000 - 0.020

0.021 - 0.040

0.041 - 0.060

0.061 - 0.080

0.081 - 0.100

0.101 - 0.120

0.121 - 0.140

> 0.95

GSI (Combined) Overflow Reduction Efficiency

< 0.50

0.50 to 0.65

0.66 to 0.85

0.86 to 0.95

> 0.95

I/I (Sanitary) Overflow Reduction Efficiency

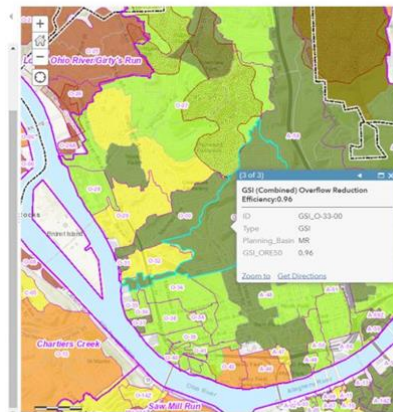
< 0.50

0.50 to 0.65

0.66 to 0.85

0.86 to 0.95

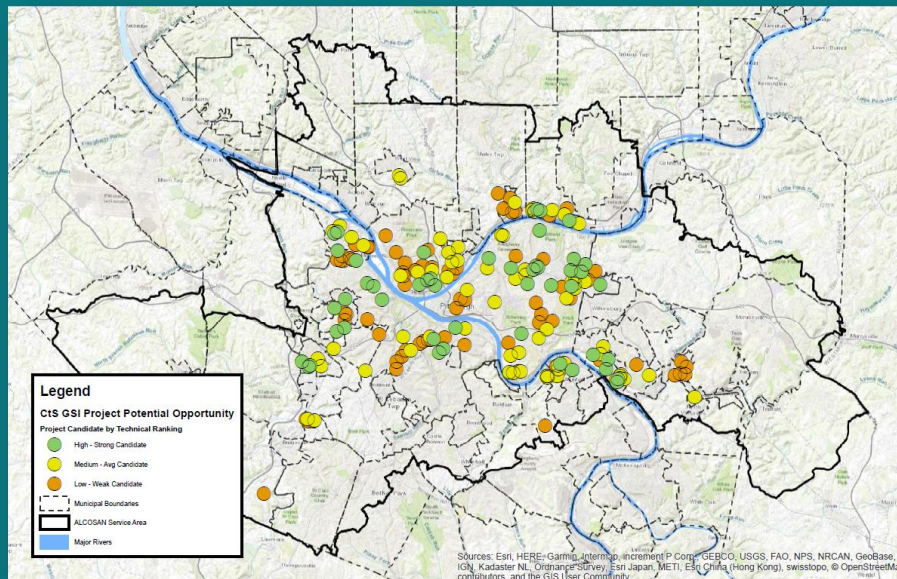
> 0.95





# GSI Opportunity Outreach

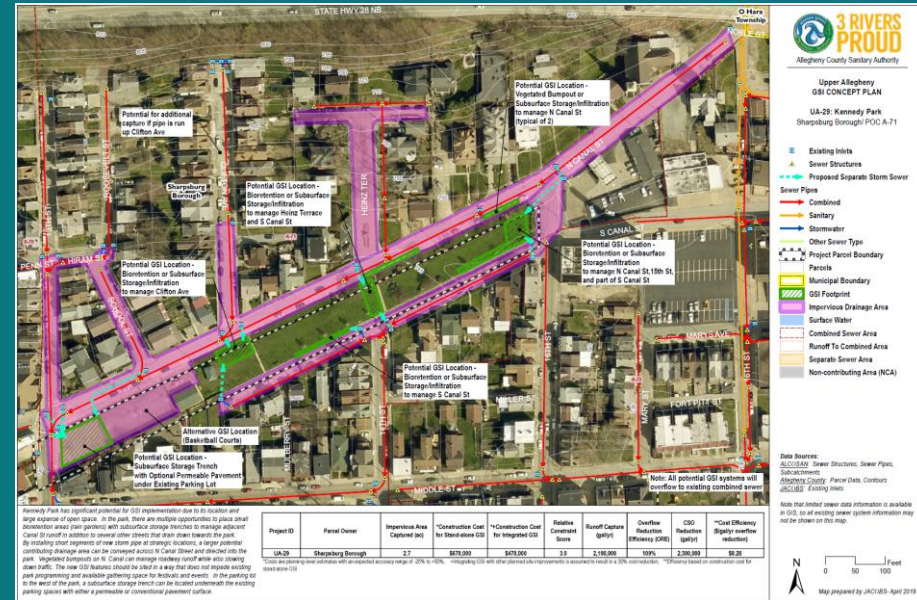
- 195 potential locations identified
  - 50 “high” ranking
  - 68 “medium” ranking
  - 77 “low” ranking
- 26 municipalities with Identified GSI locations
- Meet with each of 26 municipalities individually to present identified opportunities





# Early Progress - GSI

- Rankin submitting Rankin Ballfield to GROW Cycle 5
- Sharpsburg advancing Kennedy Park
- Stakeholder outreach
  - Shared/discussed applicable concepts and additional graphics with Port Authority
  - Shared/discussed applicable concepts with Negley Run Task Force
  - Shared concepts with PWSA



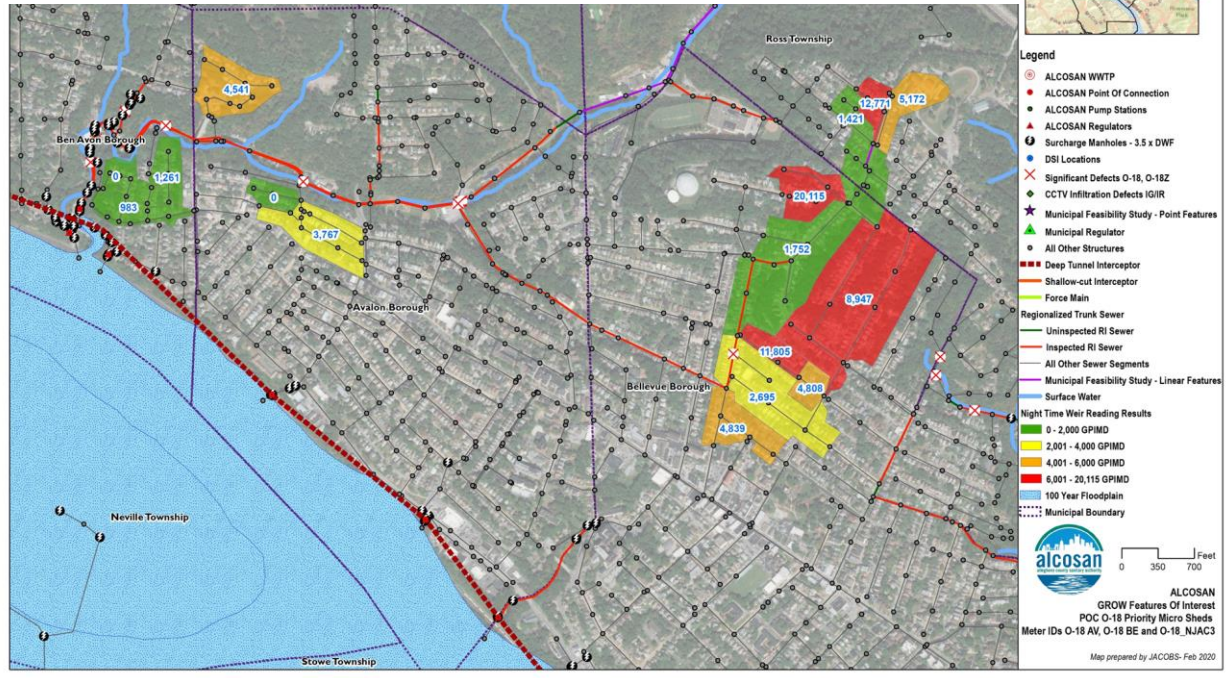




# Identified I/I Reduction Opportunities

- M-42 (Streets)
- M-47 (9-mile)
- M-49 (Homestead)
- T-04 (Falls Run)
- A-45 (Verona)
- O-18 (Spruce Run)
- O-21 (Bellevue/Avalon)

Priority micro-sheds (red and orange areas) associated with POC O-18





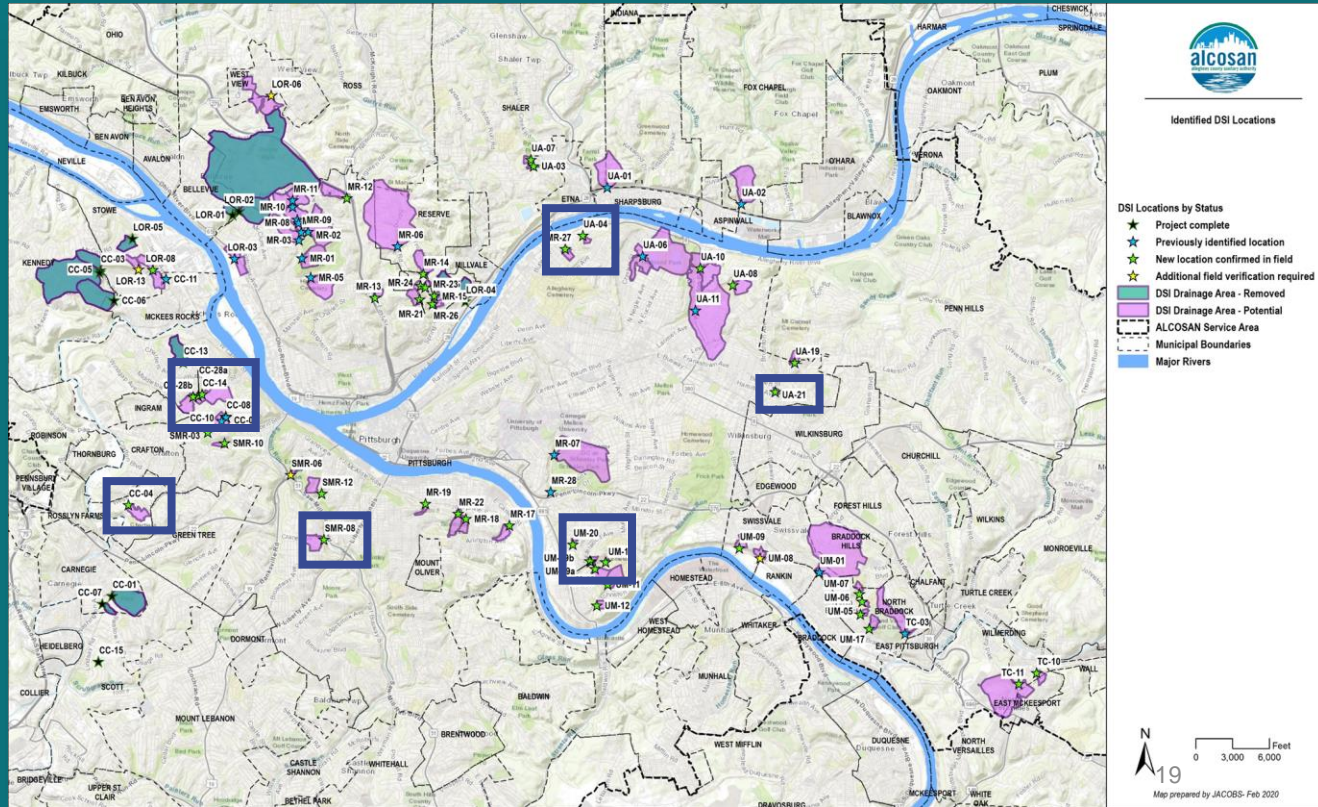
# Early Progress – I/I

- M-42 communities moving forward with multi-municipal approach to remove flow from the system and address Regionalization defects.
- Met with M-47 (Nine Mile Run) communities. Wilkinsburg submitted a targeted shed for GROW Cycle 5 funding consideration
  - Letter of Interest submitted to USACE to fund Regionalization defect repair in Wilkinsburg. Requested \$9 million in funding.



# Identified DSIR Opportunities

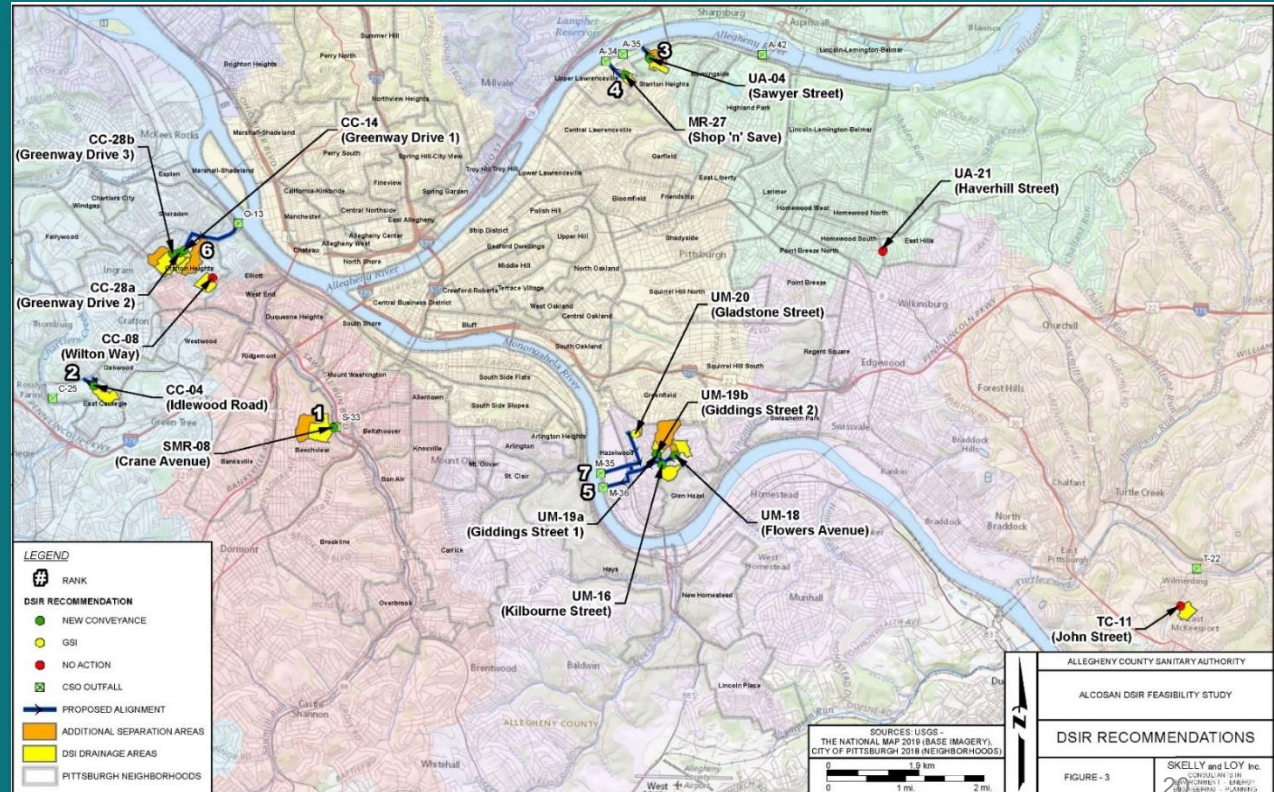
- 33 previously identified DSI locations
- 44 new DSI locations identified
- Based on most promising projects, ALCOSAN recently completed a feasibility study for 15 of the DSI locations





# DSIR Feasibility Study Results

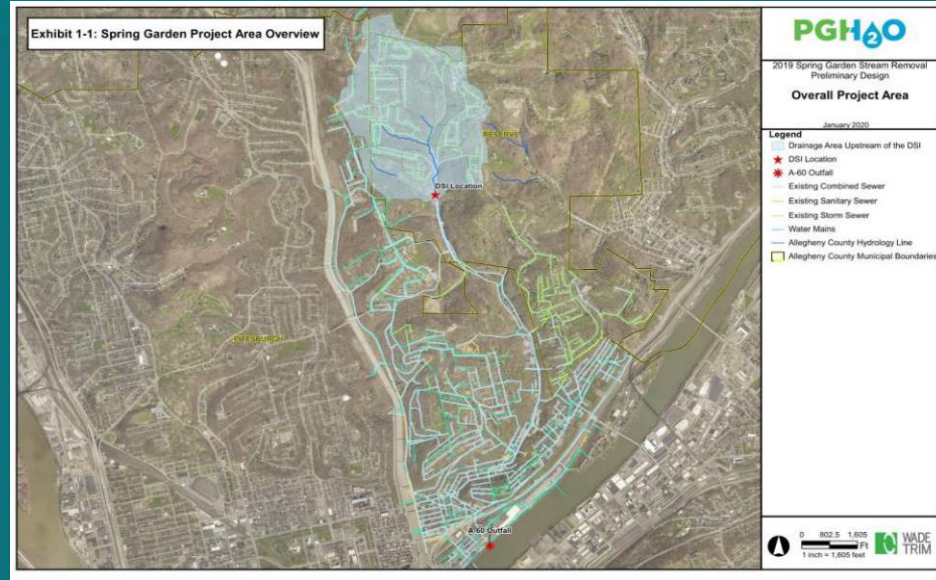
- Estimated cost \$18 M results in 44 MG/yr stormwater inflow reduction
- Etna Borough - Spring Street DSIR/SS granted LOI waiver for GROW Cycle 5





# DSIR Potential Opportunities

- Delafield Avenue Stream Removal
  - \$3 million allocated from USACE
- Spring Garden Stream Removal
  - Collaboration with PWSA
  - Letter of Interest submitted to USACE
  - Potential to reduce overflows at CSO by approximately 50 MG/yr





# Identified SS Opportunities

- Planning pilot evaluation in A-61 sewershed
- Small shed with few property owners
- Includes existing GSI with existing storm sewers
- Is SS more cost efficient than constructing a consolidation sewer?





# Status of IDRCs

Informational Item



# Successes

- City passed resolution on 6/1/2020 authorizing the City to enter into and designate signing authority for the IDRCs
- Cycle 4 IDRCs must be filed by August 7
- Max provided PWSA's council with revised language on the IDRC.
- PWSA will provide individual IDRC documentation for each project to the City legal staff to be reviewed, signed and notarized.





# Other Business



# Future Meeting Dates



# 2020 Committee Meeting Dates

- Thursday, September 17<sup>th</sup>
  - Move to October based on revised GROW schedule
- Thursday, November 12<sup>th</sup>



# Adjournment



# Questions / Comments?

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