



**2017 Breakfast Forum
Tuesday February 7, 2017
Engineers Club**

- 7:30 to 8:00 - Registration (breakfast served)
Opening remarks
- 8:00 to 8:10 - Allegheny County Department of Public Works
Stephen Shanley
- 8:10 to 8:20 - Allegheny County Economic Development
Pat Earley
- 8:20 to 8:40 - Penn Dot
Cheryl Sirianni
- 8:40 to 8:50 - Allegheny County Airport Authority
Dennis Pivik
- 8:50 to 9:00 - Army Corp of Engineers
Steve Stoltz
- 9:00 to 9:10 - ALCOSAN
Dave Borneman
- 9:10 to 9:20 - PWSA
George Robinson
- 9:20 to 9:30 - Wallenberg award & closing remarks
- 9:30 to 10:00 - Networking with agencies



SOUTHWESTERN
PENNSYLVANIA
ENGINEERING
OUTREACH

2017 ANNUAL OPPORTUNITIES FORUM

February 7, 2017

The SPEO Mission

- Provide opportunities, guidance and mentoring to existing and new minority- and women-owned engineering firms in the area, enabling them to be viable, competitive, self-sustaining members of the business community.
- Enable minority- and women-owned firms to provide competitive employment opportunities that will attract and keep talented and ambitious minority and women engineers in the area.
- Encourage and support youth to enter the engineering and science professions.

About SPEO

- SPEO members mentor MBE/WBE firms and provide networking and subconsultant opportunities to them.
- SPEO members sponsor potential future engineers, enabling them to attend engineering, science, and computer camps.
- SPEO provides assistance in marketing, business mentoring, technical mentoring, staff development, youth engineering initiatives, educational outreach, and scholarships.
- SPEO hosts a number of events throughout the year, including:
 - Annual Opportunities Forum, Annual Golf Outing and Reception, Annual Networking Reception, Protégé Networking Breakfast Forums, Training and Monthly Meetings

Michael Baker

INTERNATIONAL



ALCOSAN Flap Gate Replacement
Pittsburgh PA



Lower Hill Redevelopment
Pittsburgh PA

Gold Sponsor

Cosmos Example Projects:



**Green Infrastructure/ Utility Design/
Stormwater Management for the Lower Hill 28-Acre Site**



Middle Hill Sewer Separation Design



Cosmos Technologies Inc.



**SOUTHWESTERN
PENNSYLVANIA
ENGINEERING
OUTREACH**

Silver Sponsor



Advanced Integration Group

Silver Sponsor

**CDM
Smith**

Silver Sponsor





Silver Sponsor



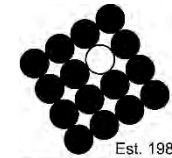
WSP

***PARSONS
BRINCKERHOFF***



**SOUTHWESTERN
PENNSYLVANIA
ENGINEERING
OUTREACH**

Bronze Sponsors

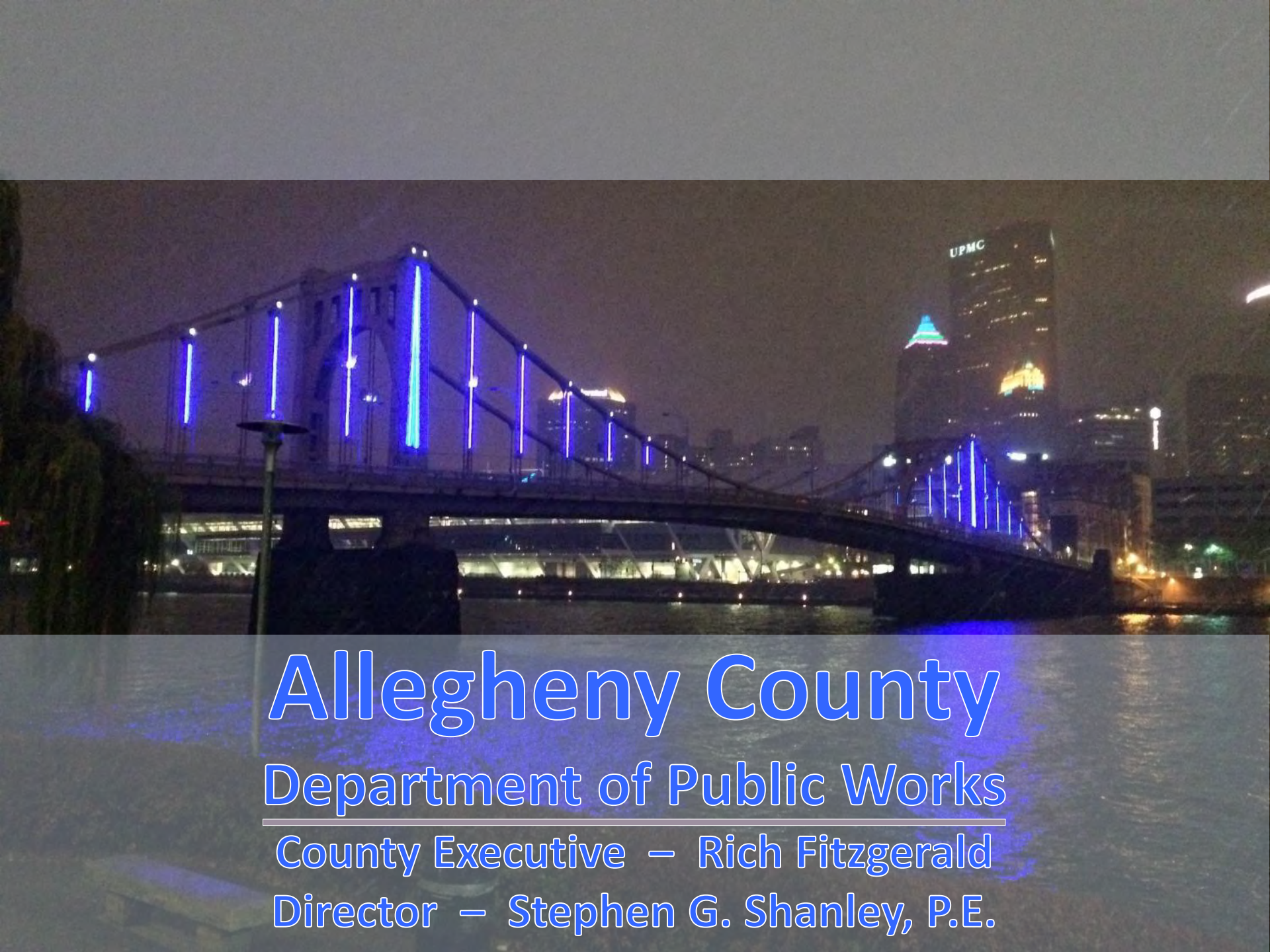


Lennon, Smith, Souleret
Engineering, Inc.
Civil Engineers and Surveyors

CRAWFORD
CONSULTING SERVICES

Tri~State DESIGN AND DEVELOPMENT





Allegheny County

Department of Public Works

County Executive – Rich Fitzgerald

Director – Stephen G. Shanley, P.E.

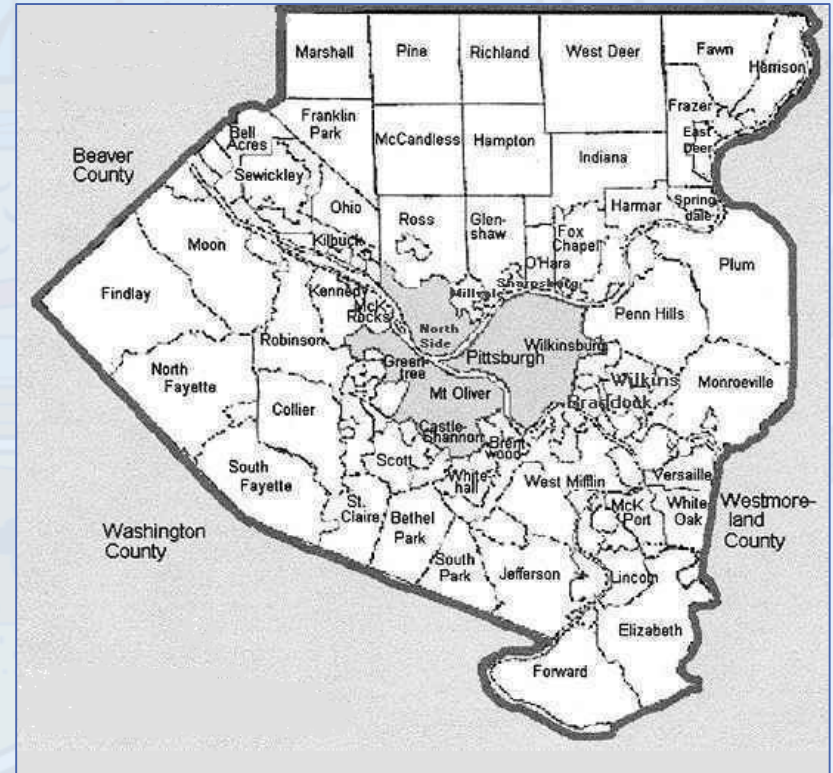
Allegheny County

Statistics

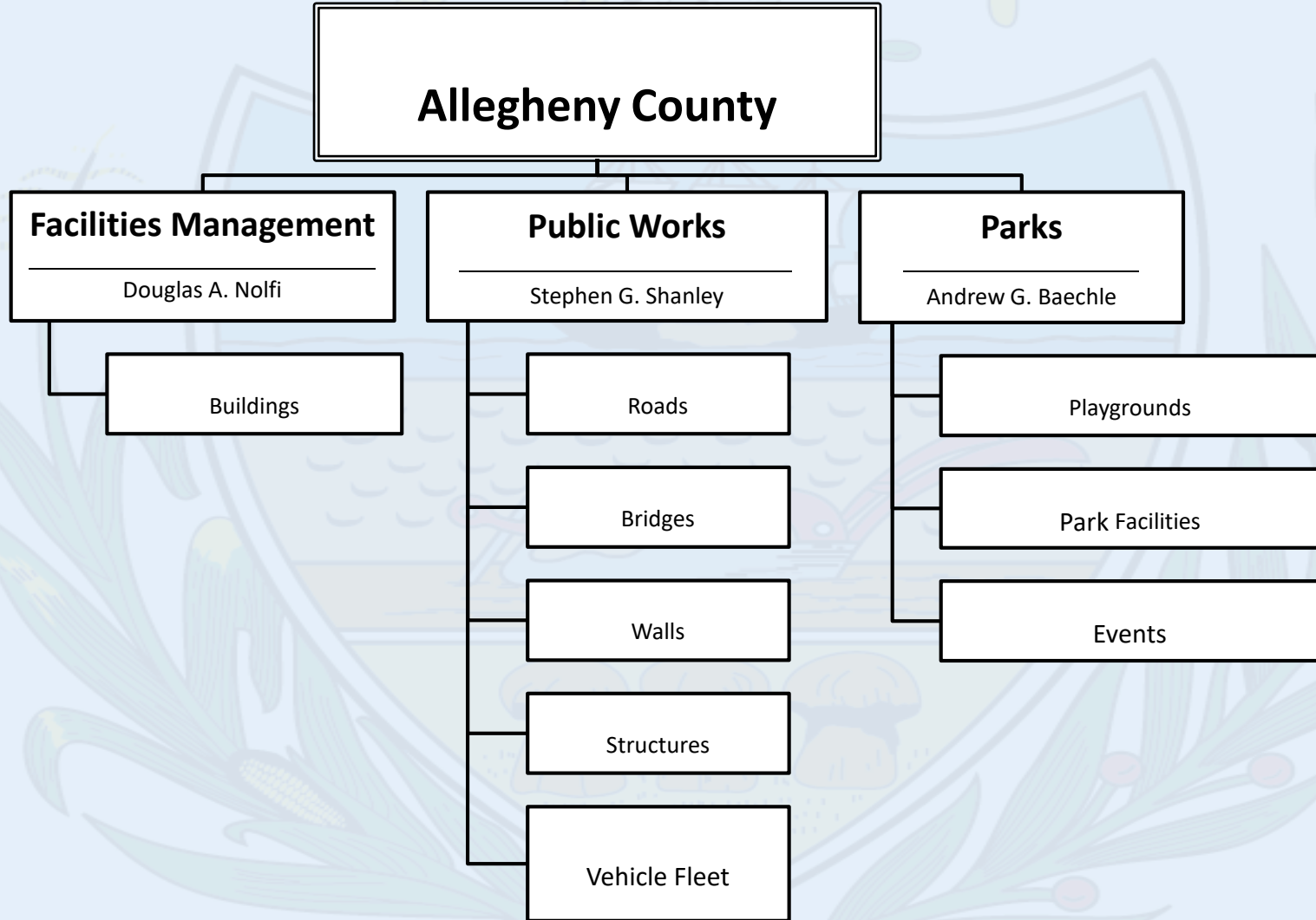
Allegheny County is the 2nd largest county in Pennsylvania, and home to 130 municipalities, including the City of Pittsburgh.

Allegheny County owns and maintains:

- 557 Bridges
- 408 miles of Roads
- Fleet of 720 maintenance, administrative, and police vehicles
- 9 County parks consisting of over twelve thousand acres of park land
- 130 Buildings consisting of approximately three million square feet of building space



Allegheny County Organization



Allegheny County Department of Public Works

Bridge Project Funding

- **County Funded**

- 100% County
(Acts 13, 44,
and 89 Funds)



- **State funded**

- 80% State
- 20% County



- **Federally Funded**

- 80% Federal
- 15% State

Allegheny County Department of Public Works

Recent Bridge Projects

Bridge Rehabilitation: Homeville Viaduct (TS05)



Allegheny County Department of Public Works

Recent Bridge Projects

Project Name	Completion Date	Scope of Work
2016 Capital Bridge Projects	December 2016	Repaving and Various Repairs to 7 Single Span Bridges
2016 Bridge Repairs	December 2016	Various Repairs to 6 Single Span Bridges
Homeville Viaduct	November 2016	Bridge Rehabilitation
Montour Bridge No. 1	December 2016	Bridge Replacement

Allegheny County Roads Program

- In-house Paving Program
 - 100% County (Liquid Fuels Funds)
- Capital Construction
 - 100% County
- Federally Funded
 - 80% Federal/State, 20% County



Allegheny County Department of Public Works

Recent Roads Projects

2016 Capital Roads: Fox Chapel Road



Allegheny County Department of Public Works

Recent Roads Projects

Project Name	Completion Date	Scope of Work
2016 Capital Roads Projects	November 2016	Repairs and Repaving of Various County Roads
Becks Run Road	January 2016	Repaving of Road Section
Cochran Mills Road	April 2016	Drainage Improvements
Middle Road	December 2016	Pavement Restoration
Corrigan Drive	August 2016	Bicycle and Pedestrian Improvements

Allegheny County Department of Public Works

Recent Walls Projects

Greensburg Pike @ Warren Street Stabilization



Allegheny County Department of Public Works

Recent Walls Projects

Painters Run Road Lateral Support



Allegheny County Department of Public Works

Recent Walls Projects

Project Name	Completion Date	Scope of Work
Camp Horne Road	December 2016	Installation of Durahold Wall
Greensburg Pike @ Warren Street	August 2016	Roadway Stabilization
O'Neil Boulevard	August 2016	Installation of Durahold Wall
Painters Run Road	July 2016	Roadway Lateral Support
Roberts Hollow Road	October 2016	Installation of Durahold Wall at Two Sites

Allegheny County Department of Public Works

Bridge Projects Under Construction

Andy Warhol (7th St) Bridge [AL03]



Allegheny County Department of Public Works

Upcoming Bridge Construction Projects

Phillip Murray (South 10th St) Bridge [MA11], February 16th



Allegheny County Department of Public Works

Upcoming Bridge Construction Projects

Project Name	Anticipated Let Date	Scope of Work
South 10 th Street Bridge Ph 2	February 16th	Phase 2 Rehabilitation
2017 Capital Bridge Repairs	June 7th	Various Small Bridge and Culvert Repairs and Replacements
Deer Creek Bridge No. 9	August 24th	Superstructure Replacement
Little Deer Creek Bridge No. 5	September 14th	Superstructure Replacement
Homestead Grays Bridge	October 19th	Bridge Preservation

Allegheny County Department of Public Works

Upcoming Bridge Design Projects

Project Name	Anticipated Advertisement Date	Scope of Work
Bridge Design Group K	January 31st	4 Small Bridge Rehab/ Replacement
Bridge Preservation Group 4	Early 2018	Preservation of 4-5 Bridges
Bridge Preservation Group 5	Early 2018	Preservation of 4-5 Bridges

Allegheny County Department of Public Works

Upcoming Bridge CM/CI Projects

Project Name	Anticipated Advertisement Date	Scope of Work
Dooker's Hollow Bridge	April 15th	Construction Management and Inspection Services
Rachel Carson (9 th St) Bridge	May 1st	Construction Management and Inspection Services
CM/CI Open End for County Funded Projects	May 1st	Construction Management and Inspection Services

Allegheny County Department of Public Works

Upcoming Roads Construction Projects

Project Name	Anticipated Advertisement Date	Scope of Work
2017 Capital Roads	April 1st	Various Road Repairs and Reconstruction
Thoms Run Road	April 1st	Road Realignment and Lateral Support
Turtle Creek	May 15th	Sediment Removal and Vegetation Clearing

Allegheny County Department of Public Works

Upcoming Walls Construction Projects

Project Name	Anticipated Advertisement Date	Scope of Work
McKees Rocks Road & Steubenville Pike	January 12th	Lateral Support Project
Mt Troy Extension Site 2	March 1st	Lateral Support Project
Baldwin Road	August 15th	Lateral Support Mitigation
Wilkins Avenue	Early 2018	Replacement of Crib Wall
Greensburg Pike @ Aliquippa	Early 2018	Lateral Support Mitigation
Greensburg Pike @ Dorothy	Early 2018	Lateral Support Mitigation

Allegheny County

Consultant Selection Services

Follow: the **Guidelines for Consultant Services Fourth Edition** (on-line) and **PennDOT criteria**
<http://www.alleghenycounty.us/public-works/bids-and-proposals.aspx>

Advertise for Letters of Interest (advertise on-line & Courier) Bridge Division have been placing additional information on the web site to better describe the project or work involved

- Short List Three Firms (Five member Selection Committee)
- Short List is reviewed and approved by the Executive Selection Committee
- Send to the Professional Services Review Committee for approval

Send out RFP to the three short-listed firms

- Meeting to review RFP
- Select one firm from RFP's submitted (no price proposal)
- Selected Firm is reviewed and approved by the Executive Selection Committee
- Consultant will then submit their price proposal
- Negotiate
- PennDOT Approval (Federal or State)
- Award Contract

Insurance Requirements – Specified in the RFP

DBE requirements – 13% MBE/2% WBE

Follow PennDOT – overhead rates, escalation, etc.

Allegheny County

MBE , WBE, & DBE Participation

- Most contracts and other business activities entered into by Allegheny County have DBE goals of 13% for MBEs and 2% for WBEs.
- Federally funded construction contract requirements are set by the FHWA.
- Allegheny County Department of Public Works recognizes DBE entities using the Pennsylvania Unified Certification Program for contracts that have transportation funding
- Allegheny County currently recognizes DBE entities using the Pennsylvania Unified Certification Program and the Pennsylvania Department of General Services for contracts that do not have transportation funding
- For questions or comments please contact:

Deborah Lewis
Contract Compliance Generalist, MBE
412-350-3922
Debbie.Lewis@AlleghenyCounty.US

The background of the slide features a large, faint, light blue watermark of the Seal of the Commonwealth of Massachusetts. The seal includes a shield with a ship on the water and three sheaves of wheat at the bottom, topped by an eagle with spread wings. The text "Questions or Comments" is centered over the shield.

Questions or Comments



Allegheny County Economic Development

Patrick Earley, Deputy Director

February 7, 2017

Presentation to:

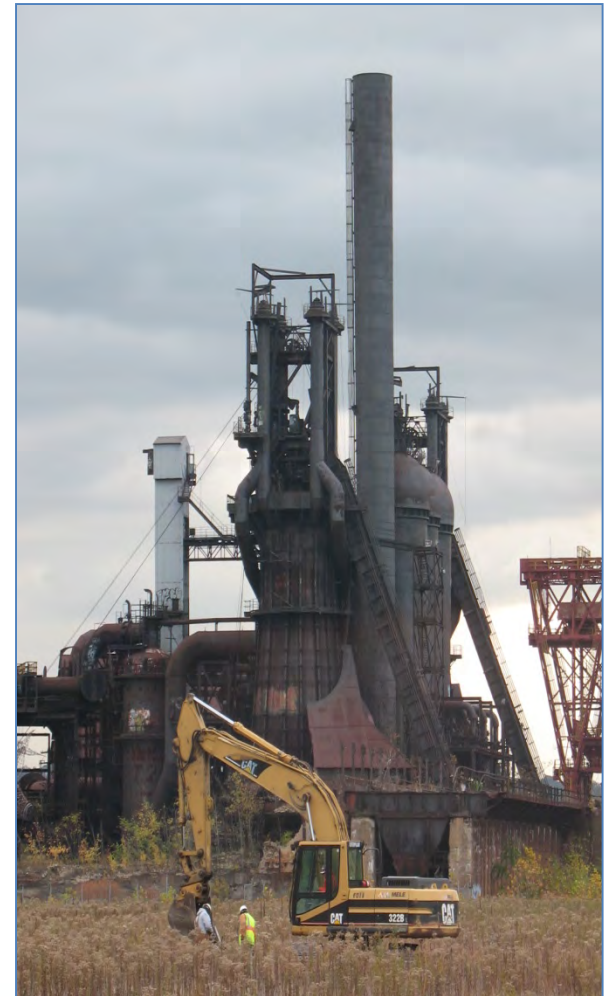


SOUTHWESTERN
PENNSYLVANIA
ENGINEERING
OUTREACH



Allegheny County Economic Development

- Authorities
- Business Development
- Development
- Housing & Human Services
- Municipal
- Planning
- Special Projects & Financing
- Operations





CITF & GEDF Projects

- CITF application round is open until February 24th
- GEDF application round starts March 20th
- Awarded to Municipalities, Authorities, COG's, Non-Profits. For profit businesses may receive a loan.
- Uses include:
 - Design and engineering
 - Storm water and Sewer line construction
 - Demolition, grading, environmental assessment, feasibility studies



Additional Opportunities



Graduated Communities:

- Bellevue
- Bridgeville
- Coraopolis
- Elizabeth
- Stowe
- Tarentum

Current Communities :

- Dormont
- Aspinwall
- Homestead
- Carnegie
- Etna
- Millvale
- Sharpsburg



www.alleghenytogether.com



Municipal Division

Works with:

- Councils of Governments
- Municipalities
- The majority of the Divisions projects are funded through the Community Development Block Grant Program
- In 2016, the Division was responsible for over \$3,000,000 in CDBG projects that assisted 10 communities with waterline replacements, sanitary sewer separation projects, demolition, water and sewer line repairs and drainage improvements.





Carrie Furnace

- The Carrie Furnace site totals 168 acres along the Monongahela River and is located within the Boroughs of Rankin, Swissvale, Whitaker and the City of Pittsburgh
- Completed \$14 million flyover ramp and additional 1,800 ft. of roadway
- Current phases of work include the continued import of fill, continued construction of Carrie Furnace Blvd, and utility installation





**All RFP's and RFDP's are advertised
via local papers and posted on our
web site:**

<http://economic.alleghenycounty.us>

Allegheny County Economic Development
Chatham One, Suite 900
112 Washington Place
Pittsburgh, Pa 15219
412.350.1000

Southwestern Pennsylvania Engineering Outreach

Cheryl Moon-Sirianni, PE
Assistant District Engineer, Design– District 11
Pennsylvania Department of Transportation
February 7, 2017

PENNDOT District 11-0



Liberty Bridge



Doing Business with PennDOT

PennDOT uses consultant firms when the demand for services exceeds the Department's ability to provide those services in a timely manner.

Services include:

- Highway and Bridge Design

- Surveying

- Geotechnical Design

- Environmental

- Construction Inspection and Management

- Bridge Inspection

2017-2021 TIP-District 11

	# Projects	\$(000)
Roadway	68	\$ 346,652
Bridge	158	\$ 499,751
Safety	44	\$ 100,879
CMAQ	24	\$ 82,253
New Capacity	1	\$ 13,560
TAP	24	\$ 19,955
IMOD	2	\$ 4,503
Total:	321	\$1,067,553

Lettings 2016 vs 2017

- 2016
 - Bid projects- 72
 - Construction Bid costs - \$286,074,469
 - With Construction Oversight Cost - \$316,947,746
 - Bid vs Estimate 95.28%
- 2017
 - Proposed Projects 77
 - Construction Costs -\$385 Million
 - With Construction Oversight costs - \$425 Million

Lettings 2017

- PennDOT- 57 projects for \$380M
- Locally Sponsored – 20 for \$45M

Consultant Payouts



DBE payout

- For 2016, nearly 17% of the invoice dollar amount went to DBE firms.

- The average DBE Goal percentage is **6.46 %**
- The average percentage Committed to DBE companies is **6.67%**
- The amount Committed to DBE companies is **\$46,892,372.69**
- Race Neutral DBE work is included with the commitment work, which is shown in an average percentage of Contract Paid to DBE companies at least **10.29%**

2017 Construction Projects

- SR 376-A50 -In Construction
- SR 279-A83- Resurf/Struct/Recon etc. -Let 2/9/2016
- SR 65-L28/L26 – Let 1/26/2017
- SR 3069-A21- Fan House Repairs- Let 3/16/2017
- SR 65- B30- Resurfacing- Let 2/9/2017
- S. Tenth Street- Allegheny County Project-3/23/2017
- SR 376-B09- Resurfacing- Let 4/6/2017
- SR 4022-A09- Mt. Nebo Resurf/Widen- 4/20/2017
- SR 2030-L03- Mountville Bridge- Let 4/20/2017
- SR 3088-A05- Hookstown Grade Rd Bridge-Let 4/6/2017

2017 Construction Projects (cont.)

- SR 51-A79- Elizabeth Bridge – Let 5/18/2017
- SR 837-A38- Resurf/Recon/Bridge Pres- Let 7/13/2017?
- SR 1001-A37- Freeport Road Br Repl – 9/14/2017
- SR 488-L06 – Portersville Rd Br Repl- 9/14/2017
- SR 3160-A10- Thorn Run Interchange- 10/19/2017???
- SR 2018- A12/A13- Forbes Avenue Resurf- 11/02/2017
- SR 3089-A14- Flaugherty Run Road Br Repl-11/02/2017
- SR 28-A55- PA 28 Resurf- Let 11/02/2017
- SR 288-L03- Wampum Br Repl- 12/07/2017
- Various Slide Repair/Geotechnical projects - TBD

Local projects

- Scopes of Work Include
 - Major River Crossing
 - I579 Cap over the Interstate
 - ALMONO improvements
 - Zelmanople Airport Road relocation
 - Trails
 - Bikeways
 - Etc.etc....
- Please make sure that no work is performed beyond the amount of the Reimbursement Agreement....If so, the sponsor may be on the hook to fund the additional cost.

Non-Traditional projects

- 13- Transportation Alternative Projects
- 4- Safe Route to School Projects
- 8- SPC Smart Transportation Projects
- 11- Multimodal Fund Projects
- 2- Governor's Transportation Infrastructure and Investment Projects
- 12- Green Light Go Projects
- 1- Smart Cities Grant
- 1- TIGER Project

Liberty Bridge



SR 3004-L04



Liberty Tunnel Phase V-Let 3/16/2017



SR 588-B18



SR 65-B30



Koppel Bridge

KOPPEL BRIDGE



PHOTO 3 NEAR (WEST) APPROACH ROADWAY



PHOTO 4 FAR (EAST) APPROACH ROADWAY

KOPPEL BRIDGE



PHOTO 1 UPSTREAM ELEVATION



PHOTO 2 DOWNSTREAM ELEVATION

Mountville Truss- Let 4/20/2017



SR 65-L26/L28



Reconstruction



Concrete Patching



70 ADA
Ramps

SR 28-A55-Let 11/20/2017

104380 02 0028 0425 11 2015/07/12 3.886 53.0



104370 02 0028 0420 11 2014/06/28 20.520 53.9



SR 51- A79-Elizabeth Bridge



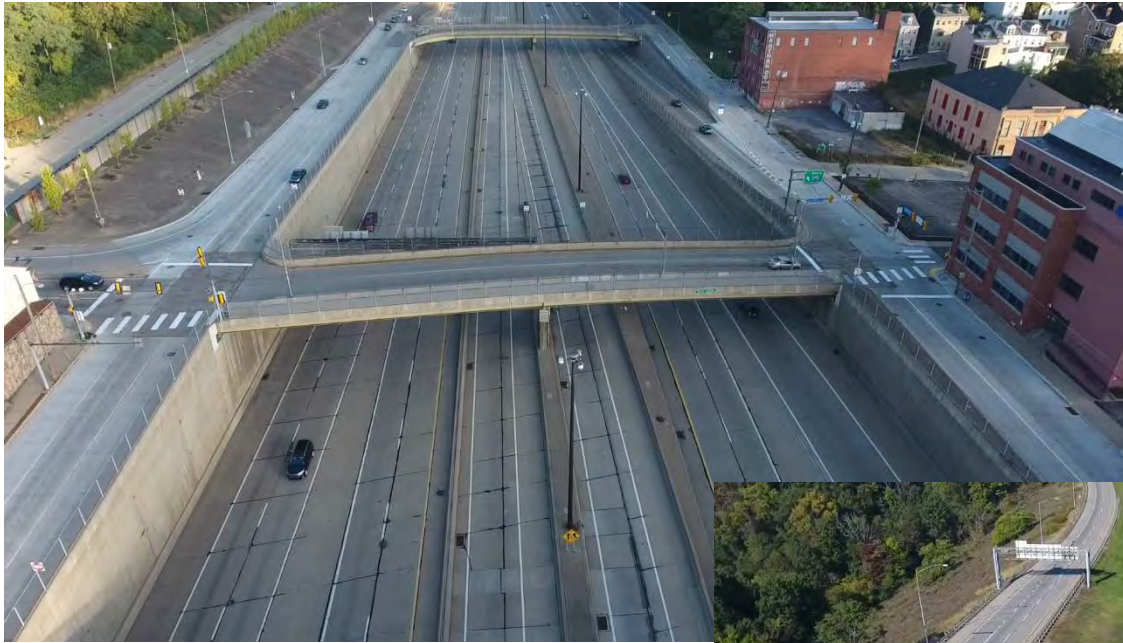
SR 376-A50



SR 279-A83



SR 279-A83



SR 4022-A09-Mt Nebo Road



How do I Start?

- What is ECMS?

<http://www.dot14.state.pa.us/ECMS/>

Allows consultants to submit SOI's (RFP's), Technical Proposals, and to execute contracts

System used to process invoices.

Access to proprietary information, specific agreements and reference materials

How do I Start?

- Register as a Business Partner through ECMS
 - Paper
 - Online
- Create Qualifications Package
- Provide Overhead Information



Need Help? Call the PennDOT IT Service Desk numbers at: (717) 783 8330 or (855) 783 8330, Monday through Friday 8 AM till 4 PM

Welcome to the Engineering and Construction Management System. This site provides up-to-date information on PennDOT's construction projects, construction contracts and consultant agreements.

Links

- **Recent Bulletins** - View the latest ECMS Bulletins
- Login as **Guest** to view important information on becoming a PennDOT Business Partner
- **Register as a PennDOT Business Partner**
- **FAQs** - View Frequently Asked Questions
- **Project Management** - View Project Management Information
- **ECMS User Security and Password Maintenance**
- **Request for System Access** - This link is ONLY available when attached to the PennDOT LAN
- **Contractor Integrity Provisions**
- **Helpful Hints**
- **Change User Password**
- **Documents for registered Business Partners**

Bulletins

WEB Site Maintenance

ECMS will be down from 5:00 PM to 6:00 PM on 02/09/17.

Bid Letting

PennDOT Facilities Projects List

Business Partner

Asta Power Project Training

Trillium CNG looking for qualified contractors to bid on port

Creating User Ids for Business Partner users

eSignature Process Overview Webinar Recording is now av

Pre-Bid Design Files Agreement

Overhead Information

General Information

DSP7 Changes Effective January 1, 2017

Pennsylvania Steel Products Procurement Act / FHWA Buy A

Requesting Access to MPMS

2016 - 2020 let date calendars

District Map

Helpful Hints

DSP4 Final Report Guidance for Construction Contracts

DSP4 Guidance for Construction Contracts

Diverse Business Program (DSP4 & DB) FAQs

Business Partnership Brochure(PUB 543)

Creating User ID and Password Brochure(PUB 544)

Guide to Bidding Brochure

Municipal and Sponsor Guide Brochure

ECMS II Whats New Consultant Agreements



How long does the process take?

- After receiving both paper and online registration, the process takes about two weeks if everything is complete and accurate

Diverse Business (DB)

- Title 74, Section 303
- A disadvantaged business, minority-owned or women-owned business or service-disabled veteran-owned or veteran-owned small business that has been certified by a third-party certifying organization and is both an ECMS Business Partner and, if required, pre-qualified
- State funded projects

Disadvantaged Business Enterprises

- DBEs are for-profit small business concerns where socially and economically disadvantaged individuals own at least a 51% interest and also control management and daily business operations.
- African Americans, Hispanics, Native Americans, Asian-Pacific and Subcontinent Asian Americans, and women are presumed to be socially and economically disadvantaged. Other individuals can also qualify as socially and economically disadvantaged on a case-by-case basis.

DBE

- To participate in the DBE program, a small business owned and controlled by socially and economically disadvantaged individuals must receive DBE certification from the relevant state—generally through the state Uniform Certification Program (UCP).
- To be regarded as economically disadvantaged, an individual must have a personal net worth that does not exceed \$1.32 million. To be seen as a small business, a firm must meet SBA size criteria AND have average annual gross receipts not to exceed \$22.41 million. Size limits for the airport concessions DBE program are higher.

DBE Certification

The Pennsylvania Unified Certification Program (PA UCP)

Applications available online...

www.paucp.com

Application time – 90 days w/ ability to utilize an extension of an additional 60 days

Networking Events

- Quarterly ACEC Meetings
- Spring APC Meeting – April 2017
- Fall APC Meeting- November 2017-Hershey
- ASHE Meetings- February 8, 2017
- WTS-Women's Transportation Seminar

Organizations

- ACEC- Education, outreach, advocacy and networking endeavors for PA consulting firms.
<http://www.acecpa.org>
- CAWP - Trade association for union affiliated contractors in the heavy, highway, railroad and utility construction industry in western Pennsylvania, contact Jason Koss at jasonk@cawp.org or 412-343-8000 APC

Organizations

- APC -Trade association consisting of more than 400 members that include contractors, consulting engineers, material suppliers, manufacturers, and others with an interest in Pennsylvania's road and bridge construction industry.

<http://www.paconstructors.org>

- ASHE- American Society of Highway Engineers Pittsburgh Region- <http://www.ashepgh.org/>

Organizations

- The Statewide Minority and Female Resource Directory
<ftp://ftp.dot.state.pa.us/public/PubsForms/Publications/PUB%20610.pdf>
- DBE Supportive Services Center
penndbe@cheyney.edu
- Located at Cheyney University of Pennsylvania
610-399-2093

Questions????

Thank You



ALLEGHENY COUNTY AIRPORT AUTHORITY

PITTSBURGH INTERNATIONAL AIRPORT
ALLEGHENY COUNTY AIRPORT

Engineering & Construction

Pittsburgh International Airport



Allegheny County Airport



Business Opportunities

- Design Services
- Construction Management Services
- Airfield
- Non Airfield
- Development



2017 Anticipated Capital Projects

- Airfield Pavement Rehabilitation
- Roadway Rehabilitation
- Parking Lot Rehabilitation
- Airfield Electrical
- Building Rehabilitation
- Utility Rehabilitation (Water/Fire Lines)



Current Design Firms

- AECOM
- Baker
- Burns
- CDM Smith
- CH2M
- Chester
- Collective efforts
- GAI
- HDR
- JMT
- Larson Design Group
- L.R. Kimball
- ms consultants
- Orbital Engineering
- Sci-Tek
- Wallace & Pancher



Current Construction Management Firms

- Hill International
- Management Engineering Corporation
- Orbital Engineering
- Parsons Brinkerhoff



Consultant Selection

- Public Advertisement/Announcement
- ACAA Website
- Letters of Interest
- Proposals/Presentation
- 14% DBE Goal
- PAUCP Website
- Samantha Stedford

ACAA Manager of Business Diversity and Outreach
sstedford@flypittsburgh.com

412.472.3648



Bidding Items

- Public Advertisement/Announcement
- ACAA Web Site
- 14% DBE Goal
- PAUCP Web Site
- Samantha Stedford

ACAA Manager of Business Diversity and
Outreach sstedford@flypittsburgh.com
412.472.3648



Airport Improvements

- Air Service
- Customer Service
- Terminals
- Committed to the Community



Airside LED Signs



Airside Terrazzo Floor



Baggage Claim



Restroom Renovation



Transit Level Seating



Kidsport



Kidsport



Robot Repair Shop



Farm Fresh Deli



The Strip Market



Starbucks Coffee



Flyby 5K at Pittsburgh International



Lace Up and Away 5k at Allegheny County Airport



Thank You

Pittsburgh International Airport
Allegheny County Airport Authority
Landside Terminal, 4th Floor Mezz.
P.O. Box 12370
Pittsburgh PA 15231-0370
www.flypittsburgh.com

Dennis Pivik P.E.
Vice President, Engineering
(412) 472-3667 (office)
dpivik@flypittsburgh.com



Pittsburgh District Command Presentation



Southwestern Pennsylvania
Engineering Outreach

February 7, 2017

Steve Stoltz
Acting Chief, Engineering & Construction
Pittsburgh District
(412) 395-7297



US Army Corps of Engineers
BUILDING STRONG®



**Flight 93
National Memorial**
A common field one day.
A field of honor forever.



US Army Corps of Engineers

BUILDING STRONG – USACE Supports the Nation and the World

Homeland Security



- Critical Infrastructure
- Anti Terrorism Plans
- Intelligence
- Facility Security Partnership

Civil Works



- Navigation, Hydropower
- Flood Control, Shore Protection
- Water Supply, Regulatory
- Recreation, Disaster Response
- Environmental Restoration

Military Programs

- Military Construction
- COCOM Support, Overseas Contingency Operations (OCO)
- Installation Support, Environmental, Energy & Sustainability



Geospatial Support

- Support to Military Programs
- Support to Civil Works Program
- Common Operating Picture/Environment
- Support to Emergency & Contingency Ops

Real Estate



- Acquire, Manage & Dispose
- DoD Recruiting Facilities
- Contingency Operations

Interagency Support

- Federal
- State
- Local
- International



Research & Development

- Installations & Energy
- Environment
- Warfighter
- Water Resources



USACE Has a Diverse Mission Set Driven by Diverse Customers

Pittsburgh District Overview

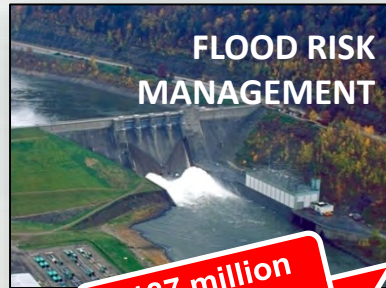
- 26,000 Square Miles in 5 States
- 10 Significant River Systems
- 328 Miles of Navigable Waterways
- 23 Navigation Locks & Dams
- 16 Multi-Purpose Flood Risk Management Projects
- 80 Local Flood Risk Management Projects (active)
- Serving 5.5 Million People
- 624 District Employees



Pittsburgh District Value to the Region



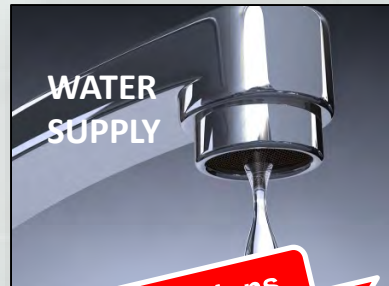
67M tons of
cargo moved



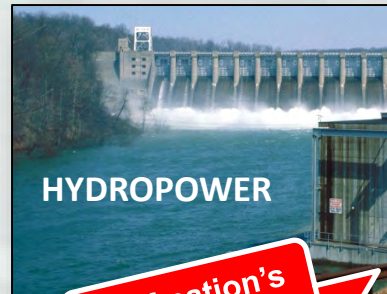
\$187 million
flood damages
prevented



5.5M
visitors



5.8B gallons
withdrawn



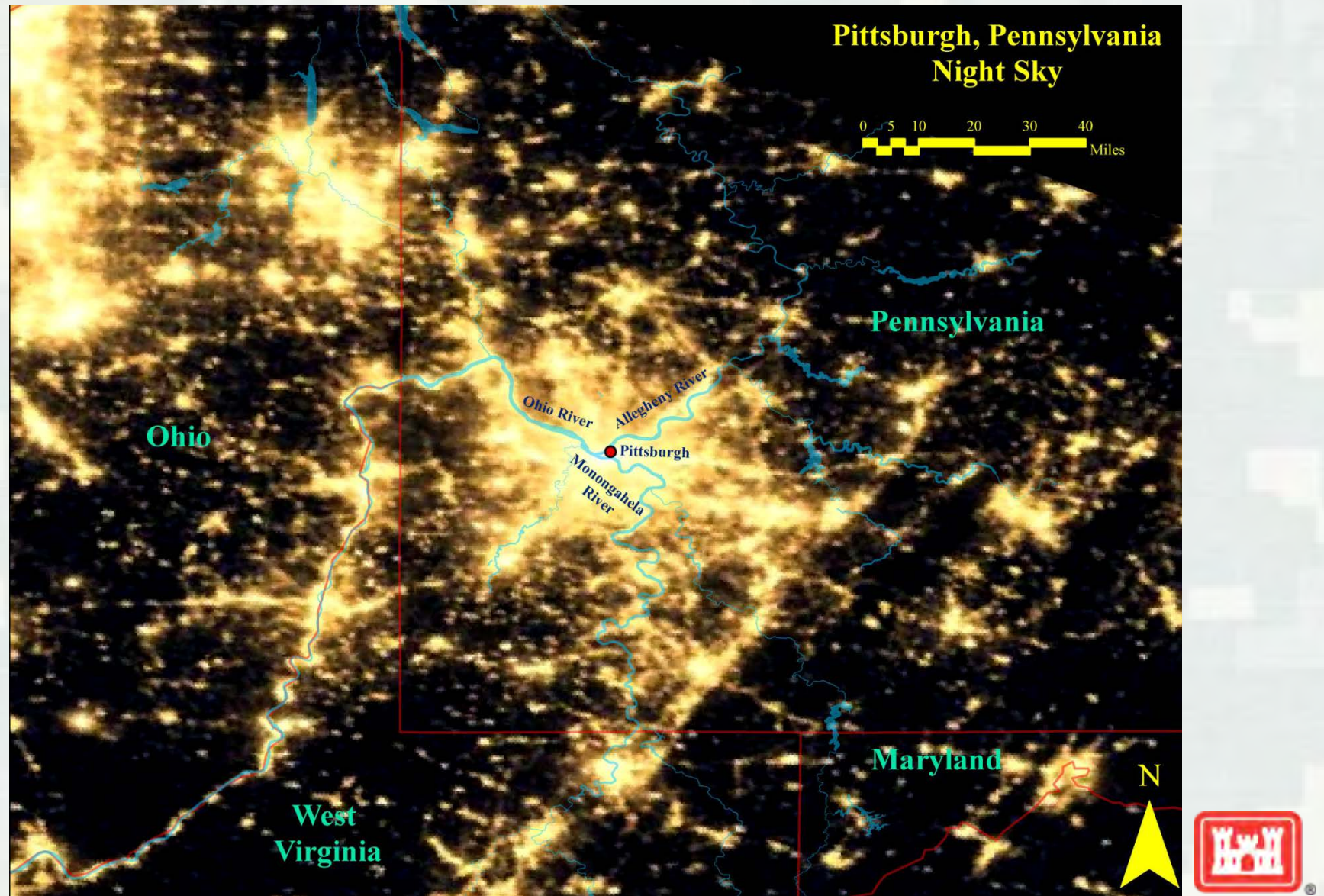
1/4 of nation's
hydropower



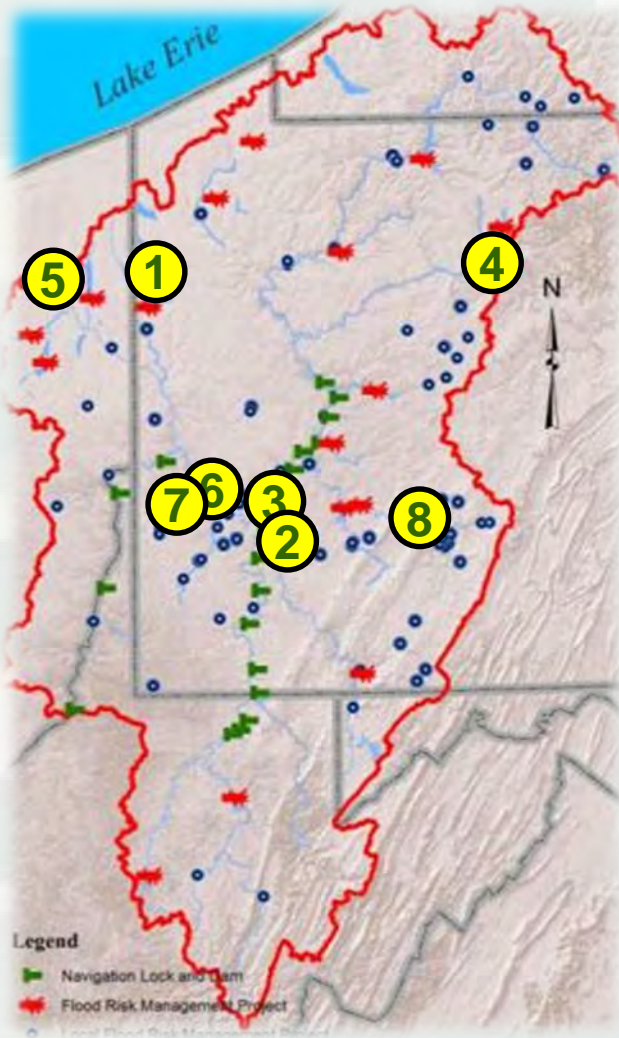
1 deployed
employee



Economic Development along our Rivers



FY 2017 Construction Contracts



1	Sharon Steel – Mercer County, PA Environmental Remediation	\$5M-10M	TBD
2	Charleroi Pool 3 Dredging	\$10M – \$25M	IFB
3	NEW Pittsburgh Dist Small Construction MATOC	n/a	RFP
4	Ridgway, PA Repair Flood Protection Project	\$500K- 1M	IFB
5	Construct New Pump Stn, Berlin Lake, Berlin OH	\$250K-500K	TBD
6	Montgomery Locks & Dam, PA Install Dam Lift Gates	\$5M-10M	IFB
7	Brady's Run Emergency Streambank Protection	\$1M - \$5M	IFB
8	Conemaugh Final Slope Stabilization Repair	\$1M - \$5M	IFB



A/E & Technical Support Contracts

<i>Active Contracts</i>	<i>Firm</i>	<i>Expiration Date</i>
District		
Pittsburgh	Gustin, Cothorn, & Tucker, Inc. Survey & Mapping	June 2020

Note: Great Lakes and Rivers Division (LRD) policy is to utilize regional IDIQ type contracts for needed work. To access the LRD forecast of opportunities which has all 7 USACE Districts' forecasted projects for FY 17, scan the QR code below:



Small Business Events



Dynamic Networking for Small Business

DYNET – FAIRMONT, WV

Thursday, April 13, 2017

9:00 – 4:00

DYNET - Pittsburgh NEW!

Thursday, May 25, 2017

Register at:

www.dynetworking.com

Sherrie Plonski

Small Business Programs, 412-395-7127

Sherrie.Plonski@usace.army.mil



Points of Contact

Visit our Small Business Office web page at
www.lrp.usace.army.mil/bus/bus.sbo.htm

Joshua Kaufmann

Contracting, 412-395-7508
Joshua.P.Kaufmann@usace.army.mil

COL John Lloyd

District Commander, 412-395-7103
John.P.Lloyd@usace.army.mil

MAJ Cornelius Batts

Deputy District Commander, 412-395-7102
Cornelius.A.Batts@usace.army.mil

Lenna Hawkins

Deputy Project Management, 412-395-7105
Lenna.C.Hawkins@usace.army.mil

Elaine Lisk

Strategic Integration, 412-395-7106
Elaine.Lisk@usace.army.mil

Sherrie Plonski

Small Business, 412-395-7127
Sherrie.Plonski@usace.army.mil

Jeanine Hoey

Engineering & Construction, 412-395-7289
Jeanine.Hoey@usace.army.mil

Rich Lockwood

Operations & Regulatory, 412-395-7390
Richard.C.Lockwood@usace.army.mil

Ryan Fisher

Planning & Environmental, 412-395-7588
Ryan.Fisher@usace.army.mil



A wide-angle photograph of a river, likely the Allegheny River in Pittsburgh, with a city skyline in the background. The foreground is filled with large, broken ice floes floating in the water. The city skyline includes several tall buildings and a bridge. The sky is overcast.

Questions?

SPEO Breakfast

February 2, 2017



David Borneman PE

Director, Engineering and Construction



What is the Allegheny County Sanitary Authority (ALCOSAN)?

- City-County authority governed by the Municipal Authorities Act of Pennsylvania
- Seven member board of directors appointed by the Allegheny County executive and the mayor of the City of Pittsburgh
- Provide treatment of wastewater from 83 municipalities with discharge to the Ohio River

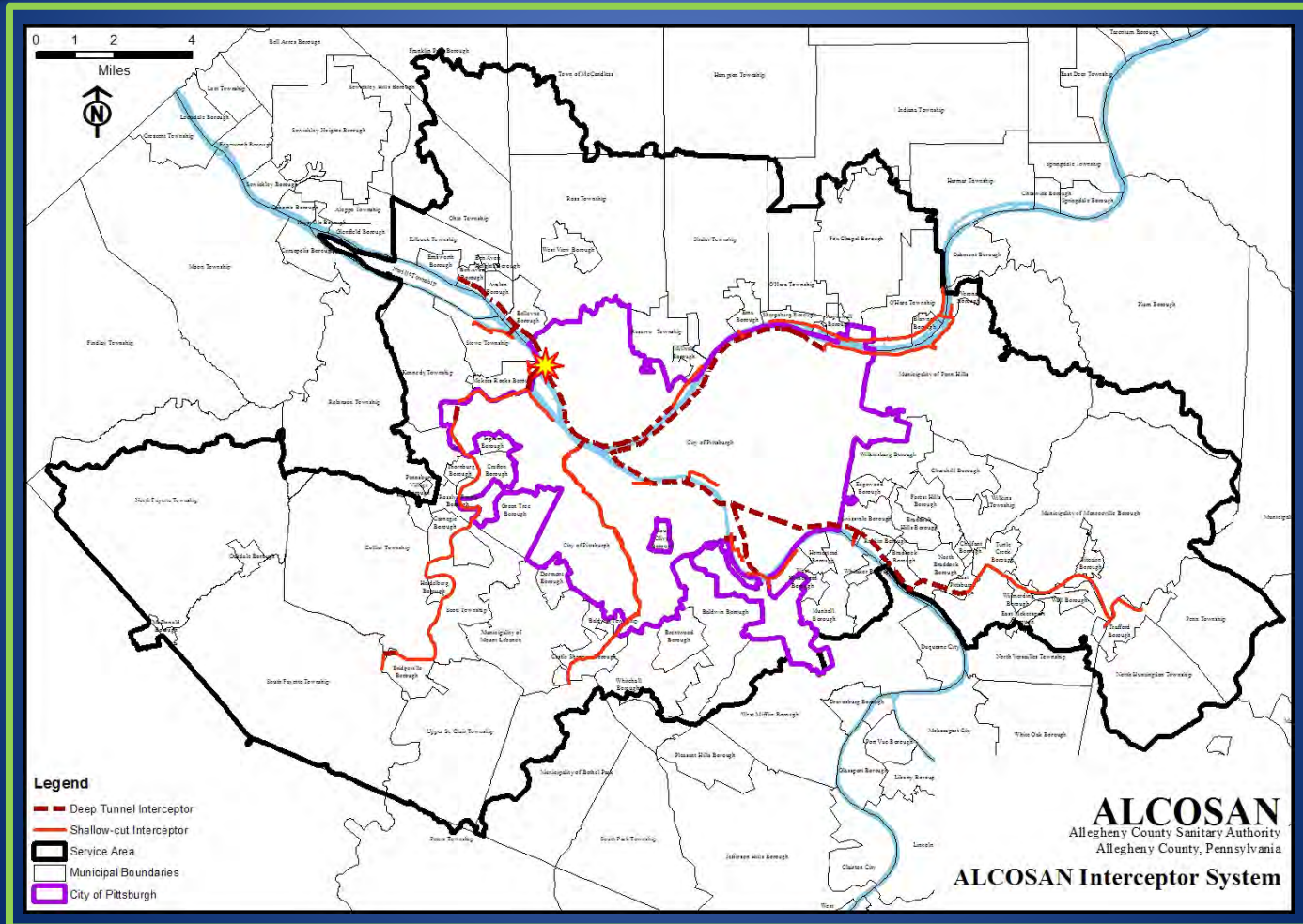


ALCOSAN treats up to 250 million gallons of wastewater per day and serves 823,600 people





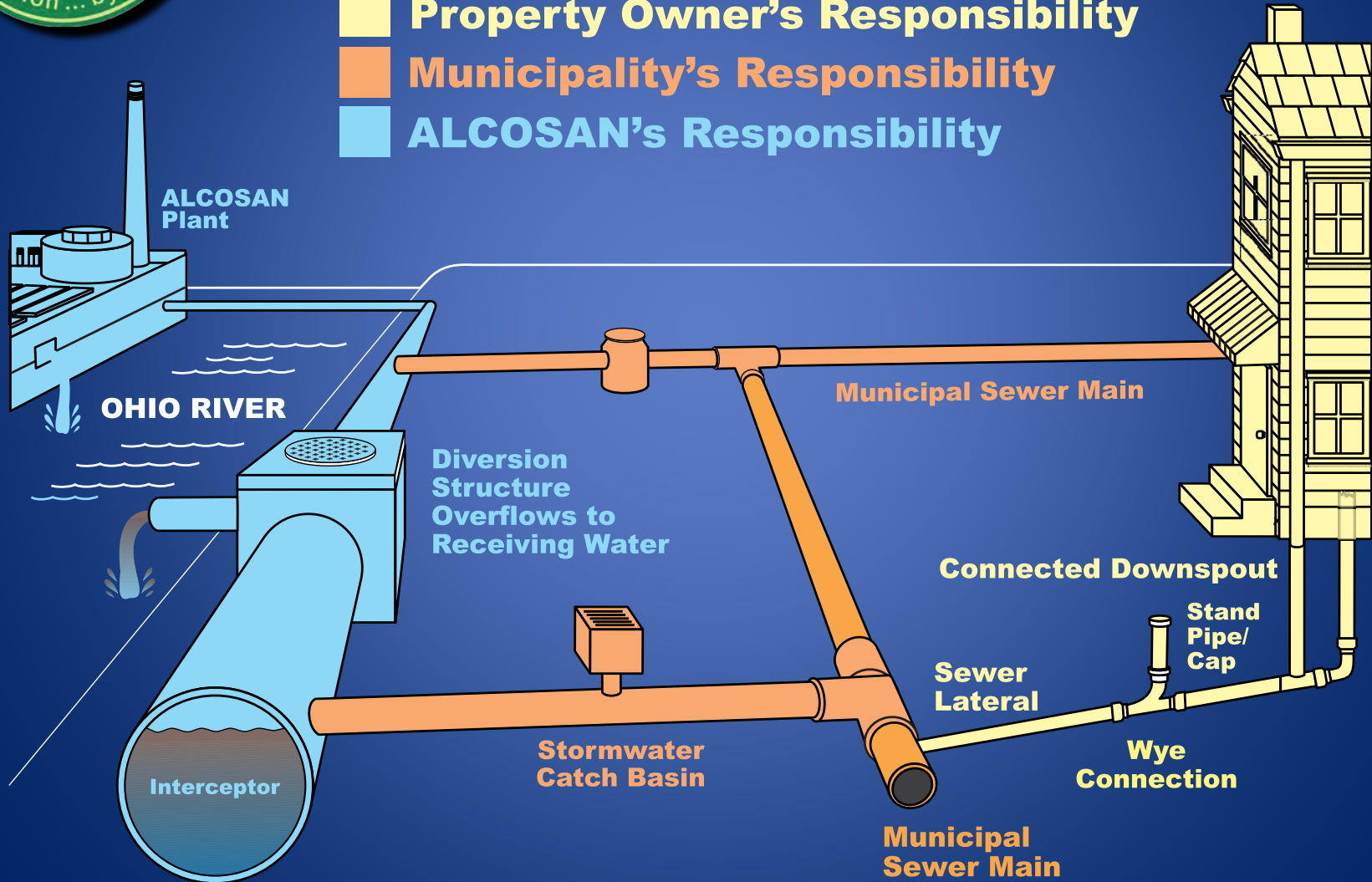
ALCOSAN owns 90 miles of interceptors with 400 municipal connection points





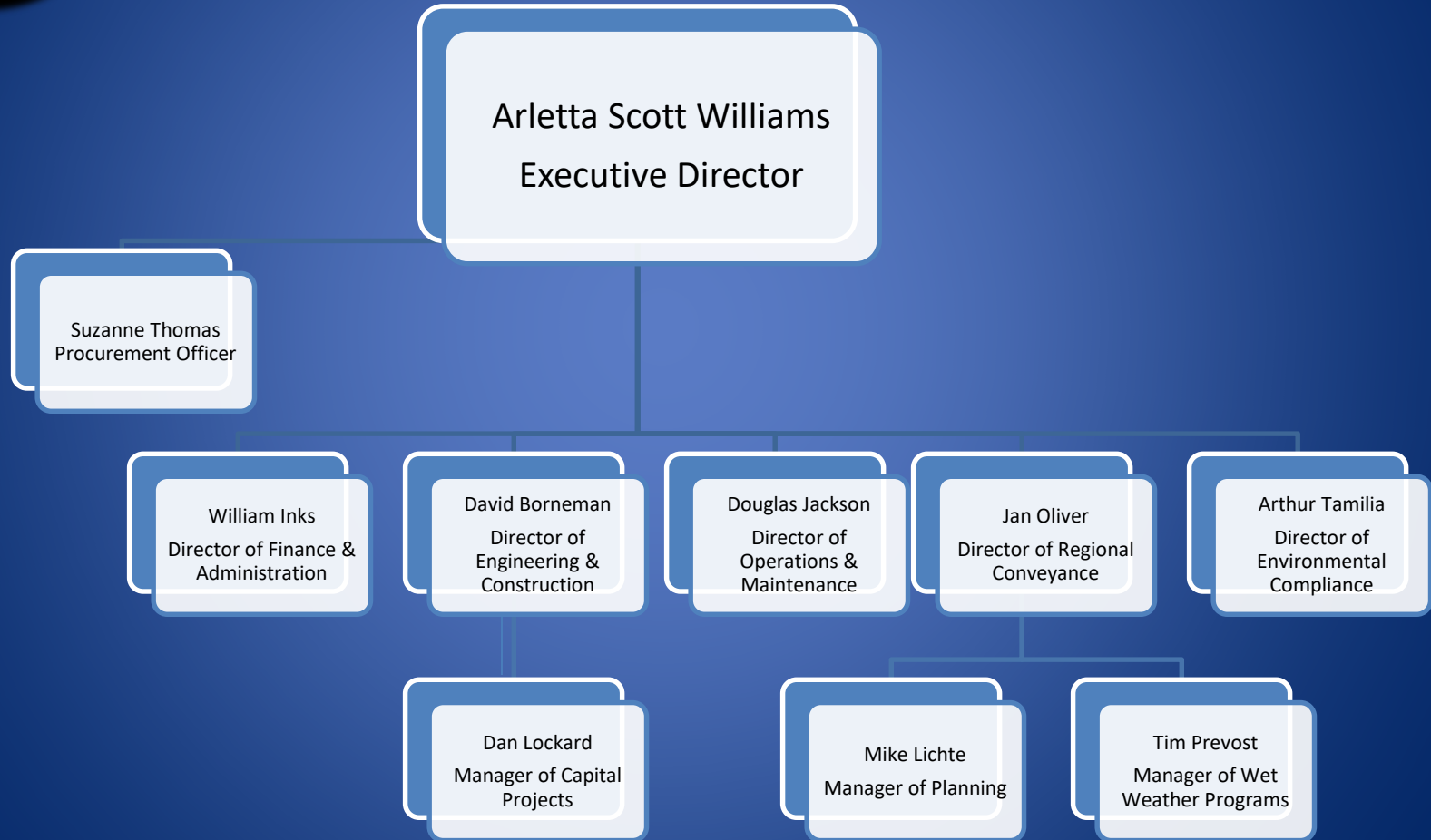
The system is a shared responsibility

- **Property Owner's Responsibility**
- **Municipality's Responsibility**
- **ALCOSAN's Responsibility**





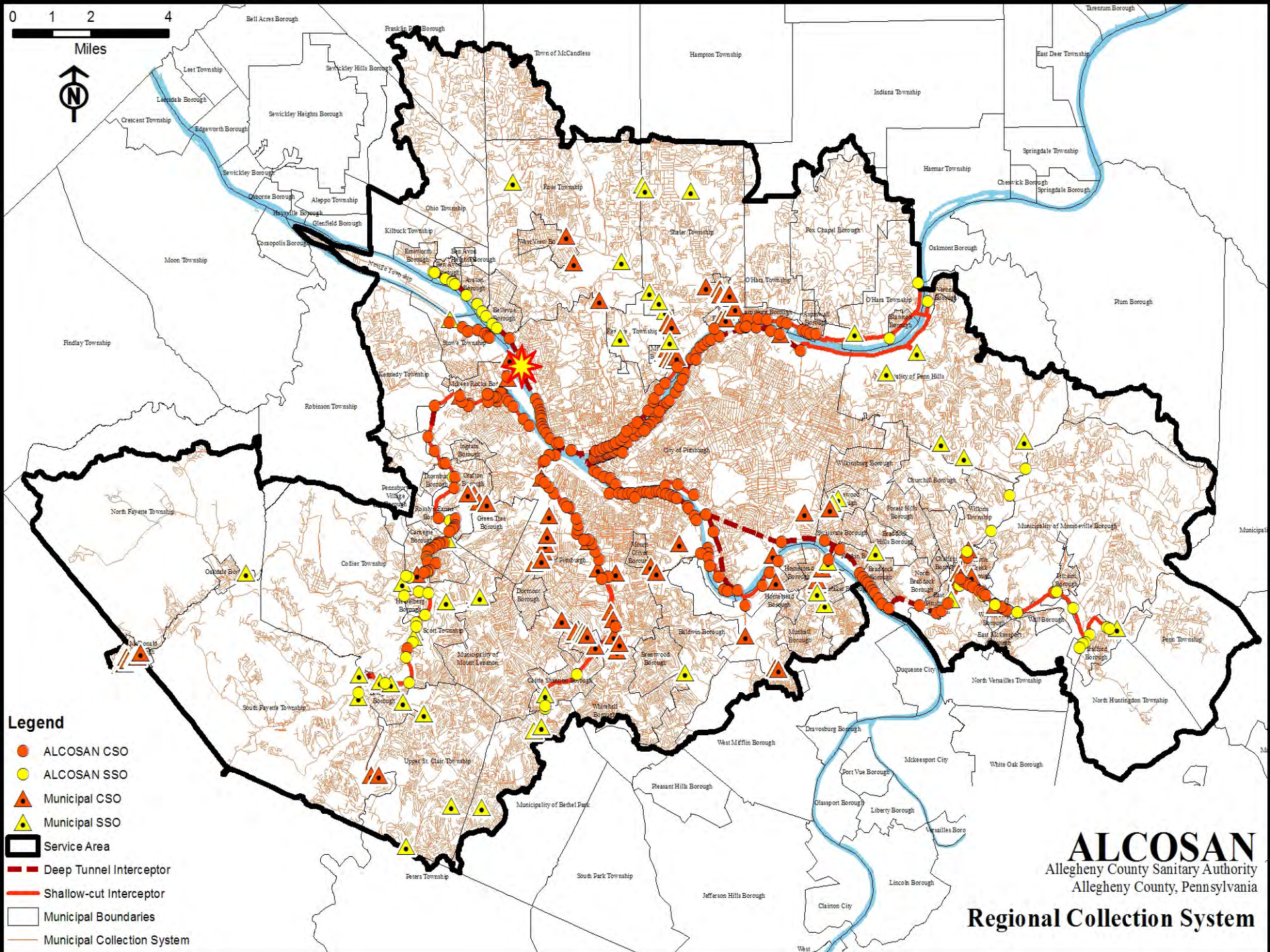
ALCOSAN Organization





Wet Weather Issue







Wet Weather Program Key Components

ALCOSAN Grey Backbone

Priority Projects

- Plant Expansion
- Critical Tunnel Segments
- Sensitive Area Projects

Municipal Flow Reduction

Flow Reduction Targets

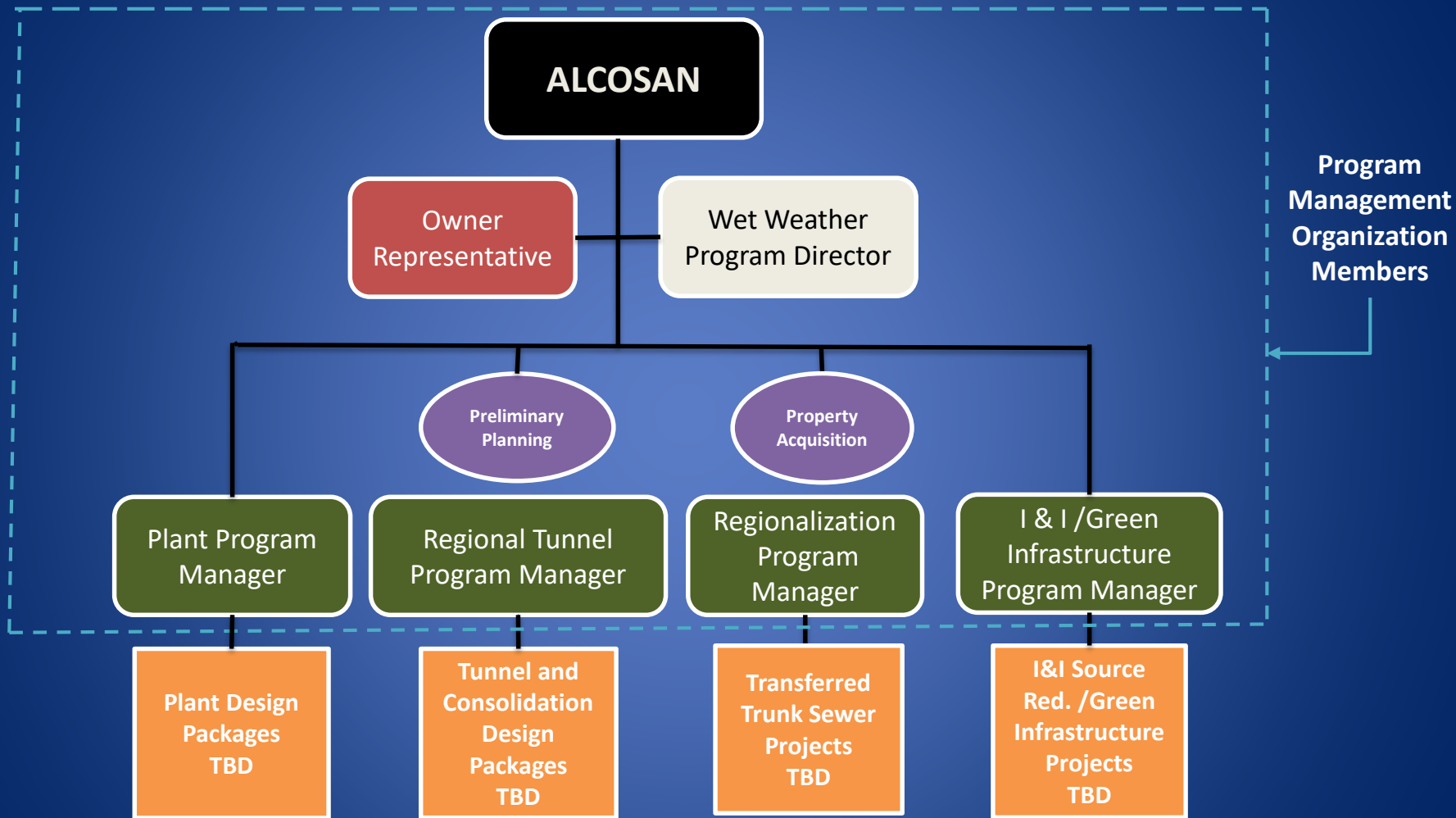
- Green Infrastructure
- Sewer Rehabilitation

Regionalization

Transfer to ALCOSAN

- Inter-Municipal Trunk Sewers
- Existing Wet Weather Facilities

Wet Weather Team



2017 ALCOSAN Capital Budget



\$75 Million

(Information on ALCOSAN Website)

CAPITAL IMPROVEMENT PROGRAM DASHBOARD

DECEMBER 2016

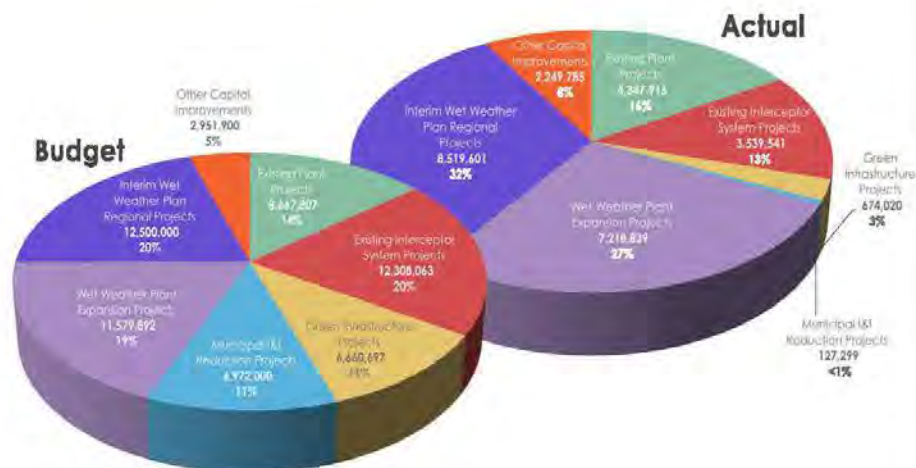
ALCOSAN Allegheny County Sanitary Authority.



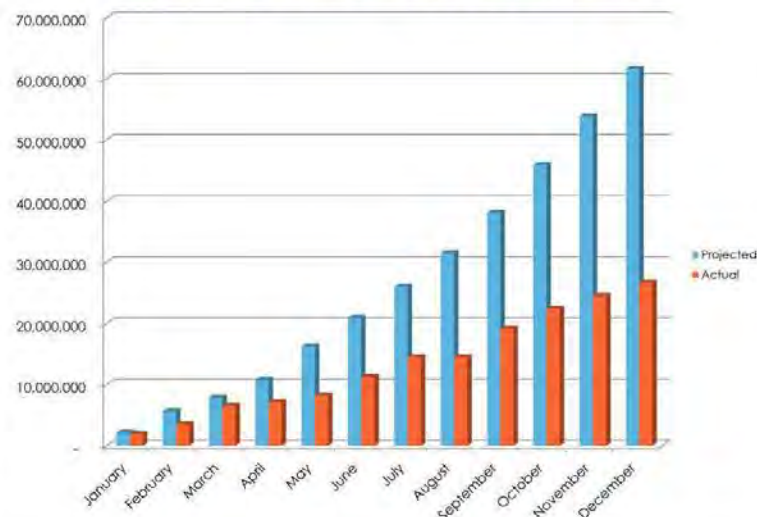
STATUS REPORT

Capital Number	Project/Program Description	Current Total Estimated Costs	Total Expended thru 2015	Remaining to be Expended	2016 Capital Budget	2016 Expenditures to Date
Existing Plant Projects						
S405	Main Pump Station Upgrade	29,800,000	26,798,118	3,001,882	3,001,882	2,246,834
S408	Biosolids Strategic Plan	1,525,600	4,371	1,521,229	507,200	-
S409	Laboratory Facilities Improvements	4,500,000	45,112	4,454,888	223,000	-
S418	Return Activated Sludge Pump Replacement	382,100	346,375	35,725	35,725	78,425
S423	Plant Energy Efficiency Upgrades	2,319,000	968,375	1,350,625	800,000	67,846
S441	Demineralization System Replacement	2,000,000	-	2,000,000	2,000,000	144,267
S442	Energy Recovery Facility Improvements (2016-2017)	1,000,000	-	1,000,000	500,000	58,904
S443	Plant Facilities and Safety Upgrades (2016-2017)	2,400,000	-	2,400,000	1,600,000	1,751,640
Subtotal	Existing Plant Projects	43,926,700	28,162,351	15,764,349	8,667,807	4,347,916
Existing Interceptor System Projects						
S420	Grit Chambers	764,100	408,131	355,969	355,969	10,890
S424	PennDOT Bridge and Highway Improvements	2,191,000	934,542	1,256,458	1,000,000	891,749
S426	Sewer Improvement Contract	790,000	284,283	505,717	505,717	132,168
S427	Squaw Run FM Replacement	1,696,800	244,197	1,452,603	1,452,603	37,813
S429	Sewer Rehabilitation (Library Rd and Verona PS)	6,857,000	51,328	6,805,672	3,000,000	233,968
S436	New ALCOSAN Push Boat, Barge and Crane	4,250,000	256,226	3,993,774	3,993,774	1,763,527
S444	Flap Gate Improvements at Various Locations	2,765,000	-	2,765,000	500,000	198,198
S445	Conveyance Rehab. and Enhancements (2016-2017)	3,330,000	-	3,330,000	1,500,000	271,230
Subtotal	Existing Interceptor System Projects	22,443,900	2,178,707	20,465,193	12,308,063	3,539,541
Green Infrastructure Projects						
S404	Sheraden Park WRDA Sec 206	892,500	660,803	231,697	231,697	382,613
S437	Ravine St Stream Removal and Sewer Separation	3,089,000	25,000	3,064,000	1,000,000	13,606
S438	Four Mile Run DSI Removal and System Improvements	3,573,000	25,000	3,548,000	250,000	92,128
S440	Source Control - Municipal Green Infrastructure Projects	44,021,000	105,500	43,915,500	5,179,000	185,674
Subtotal	Green Infrastructure Projects	51,575,500	816,303	50,759,197	6,660,697	674,020
Municipal I&I Reduction Projects						
S439	Source Control-Municipal Infiltration&Inflow Reduction	44,021,000	2,700	44,018,300	5,179,000	64,399
S447	Municipal Source Control Evaluation Program	11,637,000	-	11,637,000	1,793,000	62,700
Subtotal	Municipal I&I Reduction Projects	55,658,000	2,700	55,655,300	6,972,000	127,299
Wet Weather Plant Expansion Projects						
S421	New Vehicle Maintenance Garage	11,000,000	2,020,108	8,979,892	8,979,892	6,859,232
S430	Wet Weather Plant Expansion Program	14,000,000	24,187	13,975,813	2,600,000	359,607
Subtotal	Wet Weather Plant Expansion Projects	25,000,000	2,044,295	22,955,705	11,579,892	7,218,839
Interim Wet Weather Plan Regional Projects						
S432	Wet Weather Advance Facilities Plan & Program Suppo	12,500,000	132,121	12,367,879	4,000,000	243,319
S446	Regionalization	17,155,000	-	17,155,000	7,000,000	6,552,758
S448	Interim Wet Weather Planning Compliance	9,500,000	-	9,500,000	1,500,000	1,723,525
Subtotal	Interim Wet Weather Plan Regional Projects	39,155,000	132,121	39,022,879	12,500,000	8,519,601
Other Capital Improvements						
S419	Mobile Equipment (2016)	1,008,000	-	1,008,000	1,008,000	953,915
S000	2016 Low Cost Capital Improvements	1,943,900	-	1,943,900	1,943,900	1,295,870
Subtotal	Other Capital Improvements	2,951,900	-	2,951,900	2,951,900	2,249,785
Total 2016 Capital Program		240,911,000	33,336,477	207,574,523	61,640,359	26,677,002

BUDGET BY PROGRAM AND ACTUAL BY PROGRAM



MONTHLY CUMULATIVE DRAWDOWN





ALCOSAN Procurement


- Advertise for Qualifications on As-Needed Basis in Local Newspapers and on Website
- Use RFQ/RFP Process for Large Projects
- MBE/WBE/SDV Participation Goals: 10% - 25%
- Selection Process Includes Review of Technical Proposals and Interviews
- Selections Require Approval of ALCOSAN Board of Directors

ALCOSAN Website Page

Go to www.alcosan.org

- Click on Business Opportunities
- Click on RFQs / RFPs

RFQs / RFPs



ALCOSAN. Allegheny County Sanitary Authority. HOME > MUNICIPAL LOGIN >

RFQs and RFPs

Current ALCOSAN Requests for Qualifications (RFQs) relating to Professional Services are listed below in .pdf format. Note: Submissions must be received by the designated date and time, according to the selected RFQ. Please carefully review the criteria and comply with all requirements of the RFQ prior to submittal of a response.

TYPE	PROJECT NO.	DESCRIPTION	DEADLINE
RFQ	n/a	Professional Services - Integrated Planning and Partnering - Download PDF	March 12, 2014
RFQ	n/a	Communications & Public Relations Services - Download PDF	-CLOSED-
RFQ	Cap. Proj. Nos. S398 and S421	Demolition of Menasha Building - New Vehicle Maintenance Garage - Download PDF	-CLOSED-
RFQ	Cap Proj. No. S427	Squaw Run Force Main and Bypass Pumping Connections at Squaw Run, Montrose and Sandy Creek Pump Stations - Download PDF	-CLOSED-
RFQ	Cap. Proj. No. S421	New Vehicle Maintenance Garage - Download PDF	-CLOSED-

Disclaimer: ALCOSAN does not warrant, represent or guarantee the accuracy or completeness of information provided by this website. Information provided here is simply for your convenience. There may be recent addenda or changes in the RFQ documents including, among other things, the instructions and conditions of the RFQ. The paper copies of the RFQ documents, including any addenda, housed at ALCOSAN's offices are the official governing documents relating to the applicable RFQ, and ALCOSAN shall not be responsible or liable in any way for errors, inaccuracies or omissions in any documents or information retrieved or downloaded from this site or for any failure to update this website with changes or addenda to an RFQ.

About Us >
Customer Care >
Business Opportunities >
RFQs / RFPs >
MBE Policies
Contact Information
Wet Weather Issues >
Sewer Overflow Advisories >
Education >
Media Room >
Sitemap >

Customer Care
At ALCOSAN, we believe it's our duty and privilege to protect, recover and reuse our most valuable resource for the benefit of our customers.
[Please click here for more information](#)

Consent Decree
To comply with provisions set forth in the Clean Water Act, ALCOSAN must meet a series of requirements for planning, design and construction, operation and permitting. [Please click here for more information.](#)

Watershed Education
Leave small leftovers of paint and solvents to dry rather than pouring them down the drain. [Learn more.](#)

Contact | News | Board | Consent Decree | Press | Sitemap
© 2014 ALCOSAN. Allegheny County Sanitary Authority.

<http://www.alcosan.org/BusinessOpportunities/RFQsRFPs/tabid/182/Default.aspx> [1/24/2014 1:47:37 PM]



Opportunities Contacts

- Wet Weather Preliminary Planning (M. Lichte)
- Wet Weather Plant Expansion PM (D. Lockard)
- Regionalization Program (J. Oliver)
- GROW Program (T. Prevost)
- Property & R-O-W Acquisition (J. Oliver)
- Plant Renewable Energy Projects (D. Jackson)
- Procurement Questions (S. Thomas)



Questions?

The Pittsburgh Water & Sewer Authority

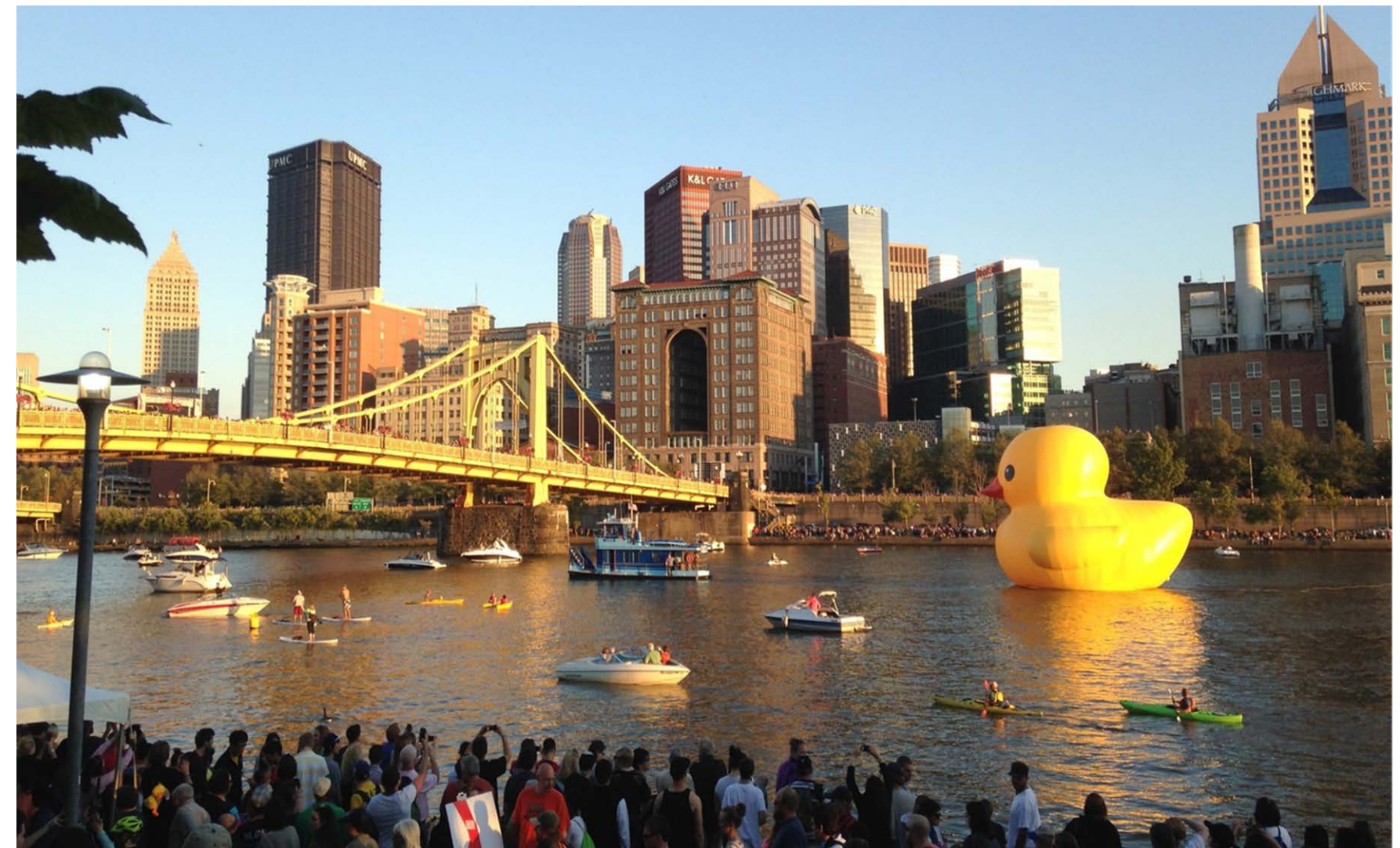
SPEO Opportunities Fair

February 7, 2017



Pittsburgh
Water & Sewer
Authority

Enhancing Pittsburgh's Quality of Life



Your PWSA?

Vision

Enhance the Quality of Life...Through Water

Mission

To Provide Quality Water Service

About Us...

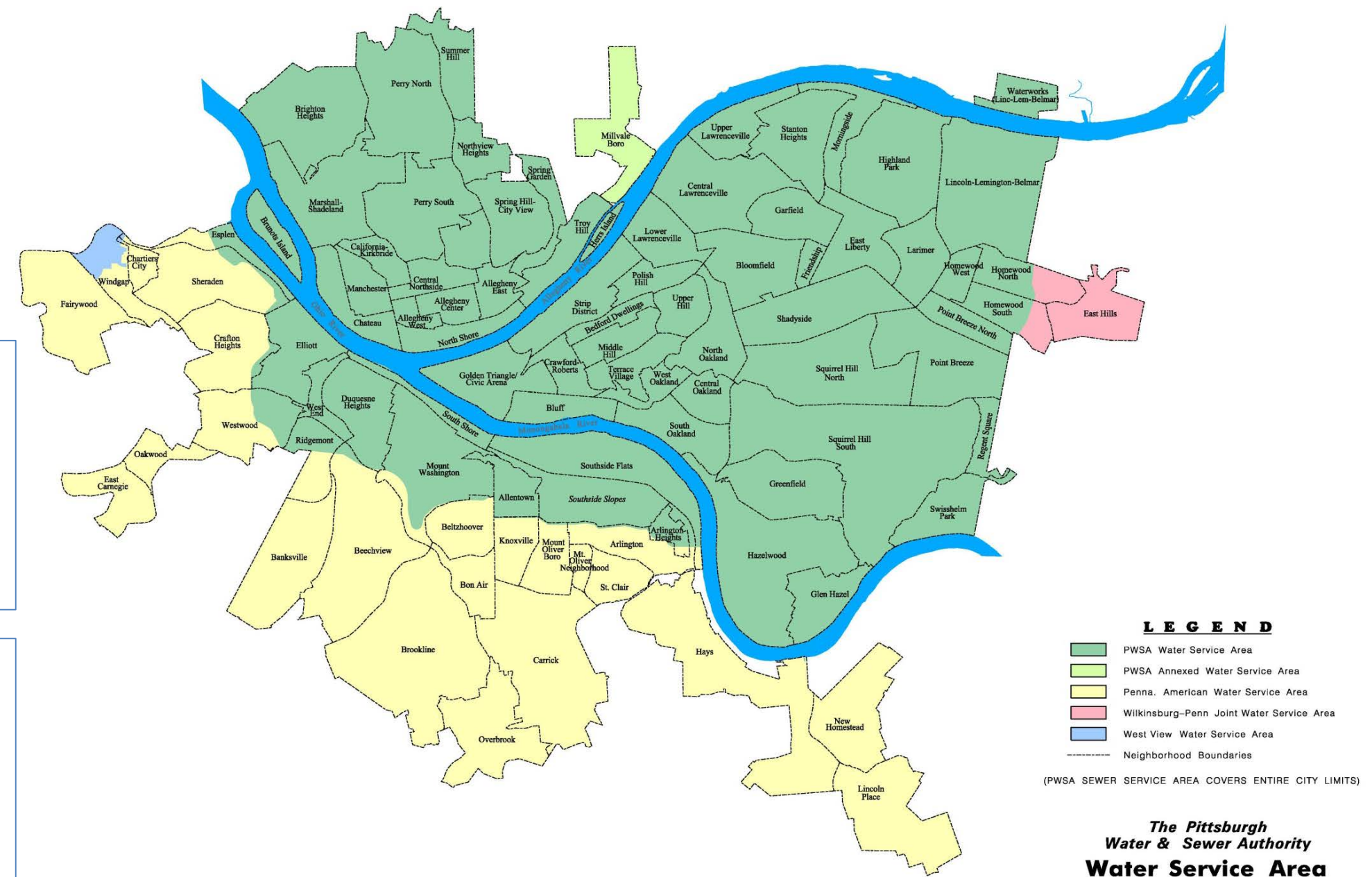
- 300,000 customers
- 87,000 residences
- 112,000 accounts
(81k water/sewer; 31k sewer only)
- 245 employees
- Treatment Plant (100 MGD)
- 5 reservoirs
- 11 storage tanks
- 11 water pump stations
- 4 sewer pump stations
- 965 miles water lines
- 1,200 miles sewer lines
- 7,400 fire hydrants
- 25,000 catch basins
- 28,800 manholes

Operating Budget

<u>2015</u>	<u>2016</u>	<u>2017</u>
\$55M	\$60M	\$72M

Debt Service

<u>2015</u>	<u>2016</u>	<u>2017</u>
\$53M	\$54M	\$55M



The Safety of water for consumption and use is our number one priority.

PWSA's Capital Improvement Program

2017's Top 7 Approved Capital Improvement Program Projects

2017's Annual Capital Improvement Program Projects (pending Board approval)

Project Name	Project Budget	Start Date
2017 Catch Basin Replacement	\$ 3,577,500	In Progress
2017 Hydrant Replacement	\$ 1,180,000	In Progress
2017 Lead Replacement Program	\$ 16,370,000	In Progress
2017 Small Diameter Sewer Rehab	\$ 7,360,000	In Progress
2017 Valve Replacement	\$ 2,945,000	In Progress
2017 Sewer Reconstruction	\$ 1,470,000	February-17
2018 Small WM Replacement	\$ 10,520,000	March-17
2017 Water Relay	\$ 1,470,000	March-17
2017 Large Diameter Sewer Rehabilitation	\$ 1,790,000	May-17
2018 Stormwater System Improvements	\$ 2,550,000	Sept-17

Project Name	Project Budget	Start Date
Water Treatment Plant Electrical and Backup Power	\$ 26,320,000	Feb-17
Water Treatment Plant Pretreatment, Clarification Improvements	\$ 28,371,000	Feb-17
Clearwell Emergency Response Project	\$ 27,630,000	Feb-17
Highland Reservoir PS and Rising Main	\$ 31,690,000	Feb-17
Maryland Avenue Green Infrastructure	\$ 6,495,000	Feb-17
Ft. Duquesne Bridge Water Main	\$ 770,000	Feb-17
31 st Ward PS's and Sewer Rehabilitation	\$ 13,520,000	Feb-17

2017's Special Capital Improvement Program Projects (pending Board approval)

Project Name	Project Budget	Start Date
WTP Calcium Hypochlorite Storage	\$ 123,000	In Progress
WTP Chemical Tank Rehab	\$ 162,000	February-17
Membrane Filtration Plant Tank Rehab	\$ 71,000	February-17
WTP Utility Water Piping	\$ 720,000	March-17
Inline PS (Coral and Pacific) Improvements	\$ 600,000	May-17
Lanpher Reservoir Rising Main	\$ 48,684,000	June-17
Aspinwall Pump Station Improvements	\$ 29,460,000	June-17
Bruecken Pump Station Improvements	\$ 25,000,000	June-17
Garfield and Lincoln Tank Improvements	\$ 8,075,000	June-17
MFP Critical Process Improvements	\$ 985,000	Sept-17

PWSA's Upcoming Bid Opportunities

Project	Estimated Total Project Cost (Rounded)
Garfield and Lincoln Water Storage Tanks Improvements	\$8,075,000
Aspinwall Pump Station Improvements	\$29,500,000
Bruecken Pump Station Improvements	\$25,050,000
Inline Pump Station (Coral and Pacific) Improvements	\$600,000
Aspinwall Pump Station to Lanpher Reservoir Rising Main	\$48,685,000
2018 Small Water Main Replacement	\$10,520,000
2017 Small Diameter Sewer Rehabilitation	\$7,360,000
2018 Wastewater System Improvements	\$5,270,000
2018 Sewers Under Critical Structures	\$6,585,000
2018 Stormwater System Improvements	\$2,555,000
Heth's Avenue Green Infrastructure	\$6,575,000
Wightman Park Green Infrastructure	\$1,625,000
Woods Run Stream Intrusion – Phase 1 Mairdale Avenue	\$2,025,000
Lawn and Ophelia Park Green Infrastructure	\$920,000
Shamrock Way Green Infrastructure	\$1,640,000

Questions?

Vision

Enhance the Quality of Life...Through Water



Mission

To Provide Quality Water Service

Contact us

Bernard Lindstrom

412.255.8960

(Interim) Executive Director

Robert Weimar

412.255.2579

(Interim) Director of Engineering and Construction

Autumn Barna

412.255.8891

Acquisitions Specialist