



PENNVEST Virtual Training Event

December 10, 2024

Cherry Street Pump Station
Erie City Water Authority
City of Erie and Millcreek Township, Erie County



Pennsylvania
Infrastructure Investment
Authority

JOSH SHAPIRO, GOVERNOR
BRIAN REGLI, PH.D., CHAIRMAN
ROBERT H. BOOS, EXECUTIVE DIRECTOR

Today's Presenters

Brendan A. Linton

PROJECT SPECIALIST – REGION 1

Armstrong, Butler, Clarion, Crawford, Elk, Erie, Forest, Indiana, Jefferson, Lawrence, McKean, Mercer, Venango, and Warren Counties

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Leslie Coté

PROJECT SPECIALIST – REGION 5

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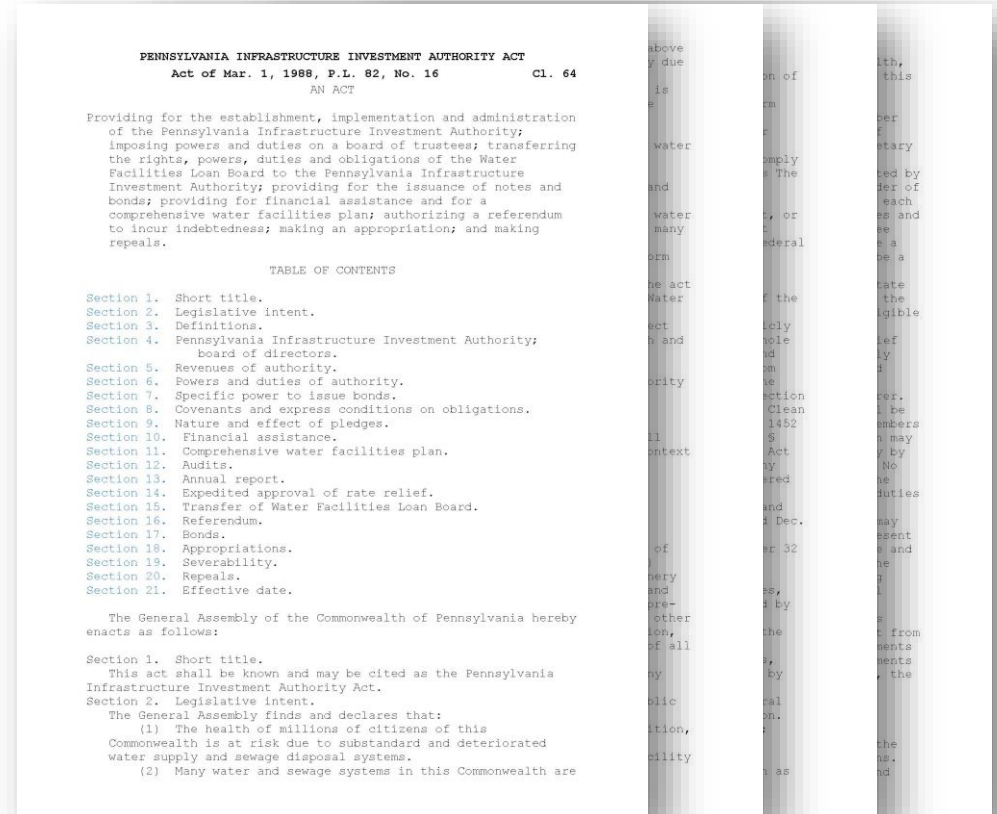
How to Ask a Question

- **Please remain muted** during the webinar
 - Use the “Mute” button on the Teams application or your cell phone
 - Dial *6 on your standard telephone handset
- **During the presentation**, use the “Chat” window
- **At the end of the webinar**, use the “Raise Hand” button to be called upon
- Questions may be answered by PENNVEST staff verbally or in writing within the “Chat” window

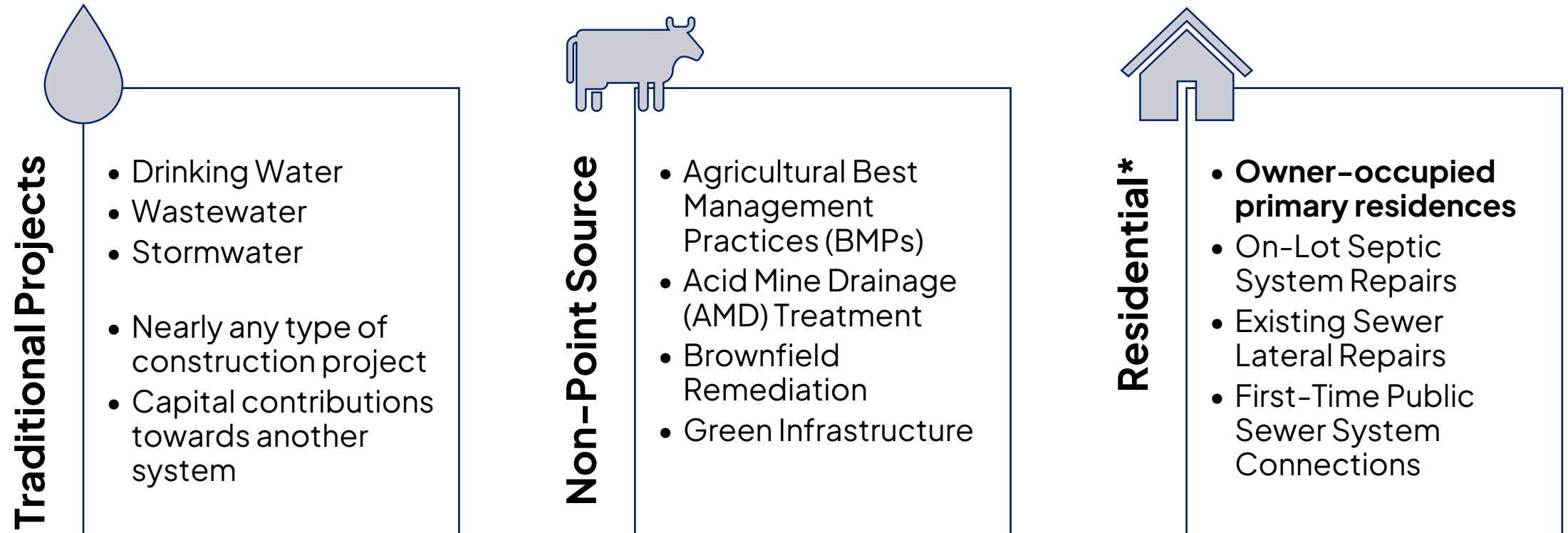
Overview of PENNVEST

Our History

- Established March 1, 1988 by act of the General Assembly
 - Instrumentality of the Commonwealth
 - “State-affiliated entity”
- 34 full-time staff members
- Governed by a 13-member Board of Directors



Our Funding Programs



*Funding provided by PENNVEST; program administered by Pennsylvania Housing Finance Agency (PHFA)

Our Fast Facts

- We provide complete project financing with no matching funds or tap fee contributions required
- We can fund most project costs from start to finish including engineering, legal, permits, etc., excluding Act 537 sewage planning
- We are primarily a revolving loan program, not a grant program
- We can work with other funding programs and serve as a “local match”
- We do not refinance previous projects and/or long-term debt
- We have the “cheapest money” you can find today
- We’re from the government... and we’re here to help!

Our Applicants and Borrowers

- We can provide financing to **most public or private entities** in the Commonwealth
- All projects must have a positive water quality impact
- Drinking water projects must involve a system with a PWSID

Municipalities

Counties

Municipal
Authorities

School
Districts

Utility
Companies

Private
Entities

Our Funding Sources (FY 23-24)

Federal Funds

U.S. EPA Drinking Water and
Clean Water State Revolving
Funds (40%)

U.S. EPA Sewer Overflow and
Stormwater Reuse Municipal
Grant Program (OSG) (<1%)

Infrastructure Investment and
Jobs Act (IIJA/BIL) (9%)

American Recovery and
Reinvestment Act (ARRA)
(3%)

Internal Funds

Investment Income
(8%)

Interest Earned
(8%)

State Funds

Growing Greener Grants (6%)

Capital Budget (2%)

Marcellus Legacy Grants,
Act 13 of 2012 (2%)

Act 218 of 2004 (<1%)

General Fund (<1%)

Clean Water Procurement,
Act 54 of 2022 (<1%)

State General Obligation Bond Proceeds

2008 (6%)

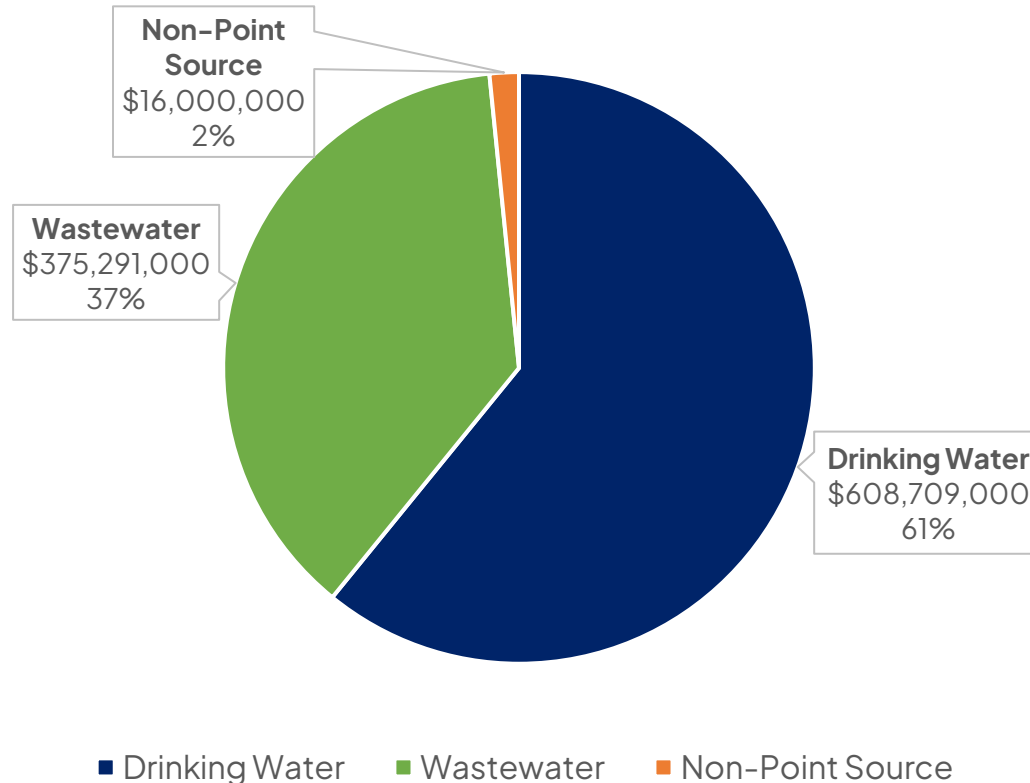
1992 (5%)

1988 (5%)

1981 (4%)



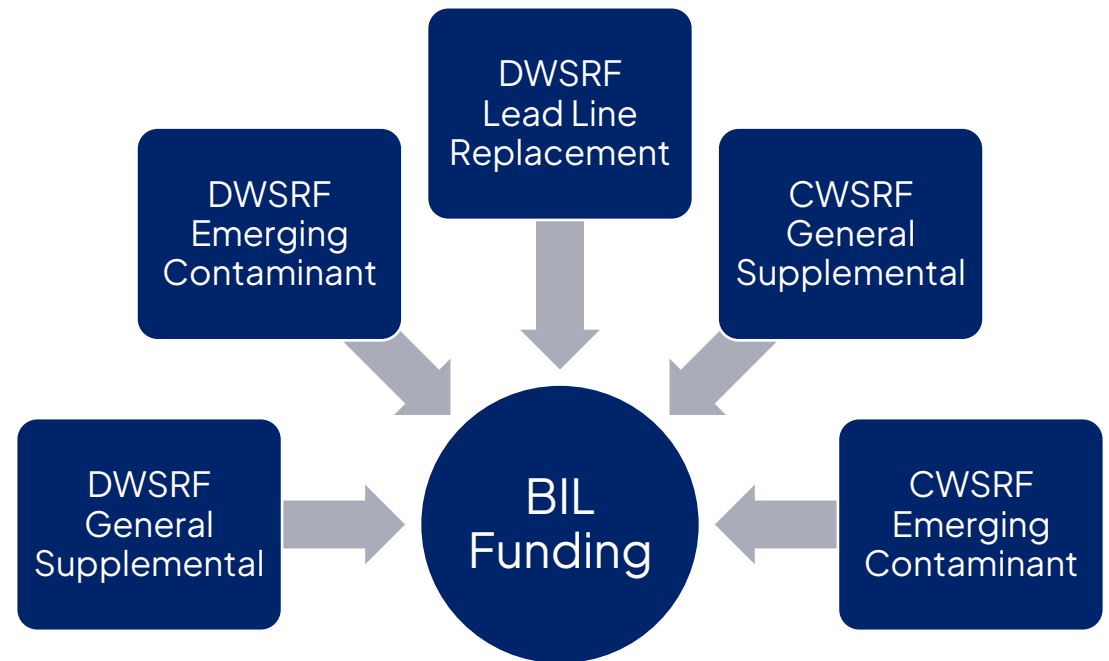
Our Budget (FY 24-25)



- **\$1 billion total!**
- Includes \$46 million additional grant funding from last year's budgeted amount
- Funding is spread "equally" across the PENNVEST quarterly board meetings

Our Budget (FY 24–25)

- Additional funds available through the **Bipartisan Infrastructure Law (BIL)**
- Covers clean water and drinking water projects
- Factored into our current budget calculations
 - Applicants considered for these funds through regular PENNVEST process, no special application



Our Regulatory Requirements

ALL PROJECTS

- Competitive procurement
- “Or-equal” provisions in bid documents
- Pennsylvania Steel Products Procurement Act (Act 3 of 1978)
- Pennsylvania Prevailing Wage Act*

FEDERALLY-FUNDED PROJECTS

- American Iron and Steel Regulations
- Davis-Bacon Wage Rate Compliance
- Fiscal Sustainability Plan Preparation**

FEDERAL EQUIVALENCY-FUNDED PROJECTS

- Disadvantaged Business Enterprise Solicitations (DBE)
- Build America, Buy America (BABA) Act
- Single Audit
- Architectural/Engineering Service Procurement**
- Project Site Signage***

*Excluding private entities which receive all loan funds

**Projects funded via the Clean Water State Revolving Fund (CWSRF) only

***Only required with a funding package containing mandatory signage, typically Bipartisan Infrastructure Law (BIL) projects

Our Regulatory Requirements

- **Wastewater projects** should consider completing architectural and engineering (A/E) procurement
- **Prior to design**, we recommend contacting PENNVEST and PA DEP staff for RFQ and DBE procedures
- Applicants who do not complete this are still PENNVEST eligible, but projects that ultimately receive federal equivalency funding...
 1. Must self-fund the A/E portion of the project costs; or
 2. Will be given a separate funding award solely for A/E costs

Our Statewide Project Portfolio

5,089 APPROVED PROJECTS

\$12.626 BILLION TOTAL FUNDING

1,266 Drinking Water

1,839 Wastewater

17 Brownfield Remediation

200 Non-Point Source

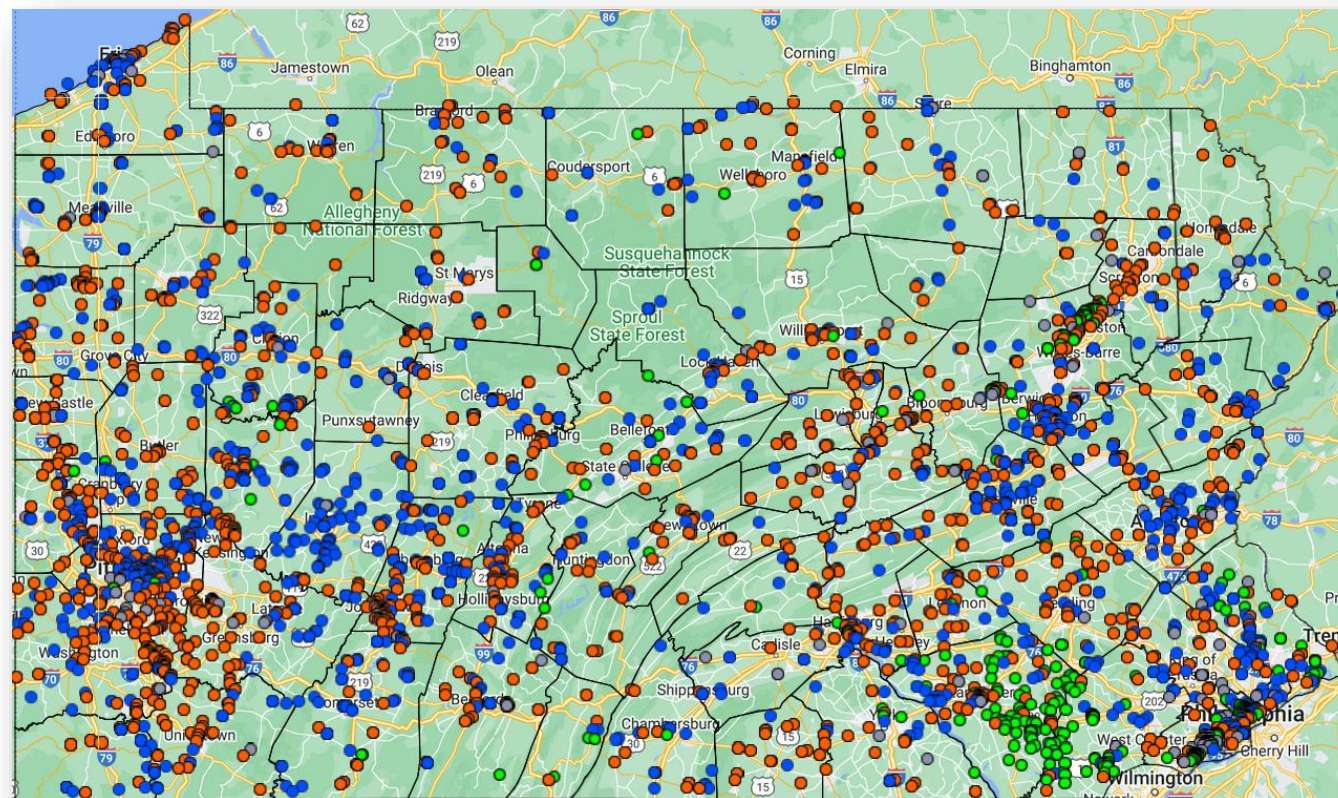
3 Acid Mine Drainage

164 Stormwater

1,215 Residential Septic Repairs

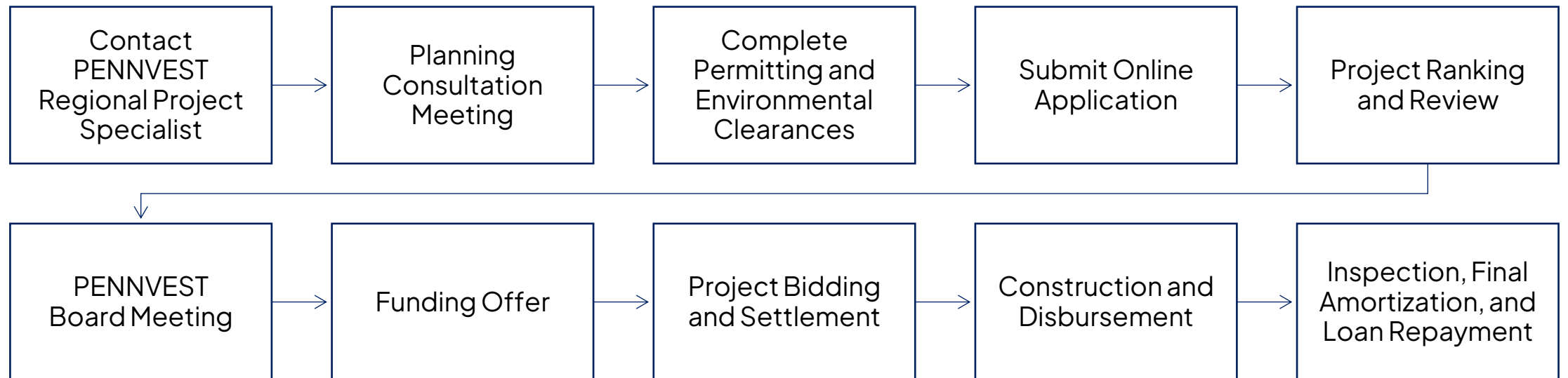
44 Residential Sewer Laterals

341 Residential Sewer Connections



The PENNVEST Application Process

Application and Project Workflow



1

Contact PENNVEST Regional Project Specialist

- Go to the PENNVEST website for a list of contacts
 - www.pa.gov/pennvest, then “Apply for PENNVEST Funding”
- Call or email your project specialist
 - Provide basic details on project
 - Complete and return intake questionnaire
 - We will circulate your details to the PA DEP for an initial review

PENNVEST
COMMONWEALTH OF PENNSYLVANIA
PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY

**PLANNING CONSULTATION MEETING QUESTIONNAIRE
DRINKING WATER OR WASTEWATER PROJECT - NORTHWEST REGION**

OVERVIEW AND INSTRUCTIONS

This document is collected by PENNVEST at the time of a planning consultation request within PENNVEST Region 1, which comprises Armstrong, Butler, Clarion, Crawford, Elk, Erie, Forest, Indiana, Jefferson, Lawrence, McLean, Mercer, Venango, and Warren counties. Responses are used by staff at PENNVEST and the Pennsylvania Department of Environmental Protection (PADEP) to review project eligibility and provide guidance to applicants on next steps of the PENNVEST application process.

At the time of the planning consultation, PENNVEST will provide applicants instructions on how to submit the full online application for financial assistance and other required materials. This document alone does not constitute a full PENNVEST application.

Please type all responses in the spaces provided. When completed, please return the questionnaire to PENNVEST in **Microsoft Word format** along with any attachments such as maps, drawings, etc. that you feel are helpful to illustrate your proposed project.

Need help? Please contact Brendan Linton at 717-783-6799 or blinton@pa.gov.

1. What is the full name of the entity applying to PENNVEST for funding? Please enter the full legal name appearing on the entity's Articles of Incorporation and/or an IRS Form W-9 or Letter 147C.
<Type Answer Here>

2. Are you applying for funding relating to a wastewater or drinking water project?
<Type Answer Here>

3. In the table below, please list all municipalities served by your agency, system, or entity and include the number of customers in each municipality that are currently served and direct billed, separated by residential and commercial type. In the last two columns, for each municipality, please provide the number of new customers that will be served under the new project and direct billed. Add or delete additional rows if necessary.

County	Municipality (City, Township, or Borough)	Current Residential Customers	Current Commercial Customers	New Residential Customers	New Commercial Customers

4. Do you have any bulk customers? If yes, please provide the names of specific municipalities, municipal authorities, or other entities.
<Type Answer Here>

5. If you are currently serving or intend to serve a township, is/are any township(s) a township of the first class?
<Type Answer Here>

6. Please list your system's current average residential user rate and indicate if customers are billed monthly, quarterly, or annually. Do not include commercial or industrial rates.
<Type Answer Here>

7. Does your entity have current debt against revenues of your system? If yes, please list below in the provided table. Add or delete additional rows if necessary.

Annual Debt Service Payment	Year Debt Expires	Debt Holder

8. In a few sentences, please describe problems and issues you are currently experiencing that make this project necessary. Include any project scopes, spreadsheets, maps, etc. that you feel are helpful to illustrate your problem.
<Type Answer Here>

9. In a few sentences, please describe proposed solutions to correct the problems and issues described above. Include any project scopes, spreadsheets, maps, etc. that you feel are helpful to illustrate your proposed solutions.
<Type Answer Here>

10. What is the current estimated cost of the entire project?
<Type Answer Here>

11. Will annual O&M of the system increase substantially as a result of this project? If yes, please provide an estimated annual O&M cost of the system one year after project implementation.
<Type Answer Here>

12. Will you be applying to PENNVEST for total project funding? If no, please list all committed grants, loans, and cash reserves that your entity intends to contribute to the project. Do not list grants, etc. that have been applied for but not yet awarded or committed.
<Type Answer Here>

2



2 Planning Consultation

- Mandatory meeting for each project and application
- **Should be held 3 to 9 months in advance** of PENNVEST application submission
- Can be held in-person or virtually
 - Applicant
 - Applicant's engineer
 - PENNVEST Project Specialist
 - PA DEP representatives
 - Other state officials

Review scope of project

Discuss specific PENNVEST application requirements

Confirm environmental permits and clearances

Preliminarily analyze potential funding package

3

Environmental Clearances

- **Projects must be “shovel ready”** at the time of application submission
- All design work must be complete with environmental-related permits issued and in hand
- Biddable plans and specifications must be made available for PA DEP Municipal Facilities Division review
- Contact PA DEP regional office early in the process to discuss permits and avoid delays

Public Water
Supply Permits

Water Allocation
Permits

Act 537 Sewage
Facilities Planning
Approval

NPDES Permits

Submerged
Lands License
Agreements

Water Quality
Management
Permits

Chapter 102
Erosion and
Sedimentation
Control Permits

Chapter 105 Water
Obstruction and
Encroachment
Permits

Chapter 106
Floodplain
Management
Permits

4

Submit Online Application

APPLICATION CUT-OFF DATE BY 5:00 P.M. EASTERN TIME	PENNVEST BOARD OF DIRECTORS MEETING DATE
May 8, 2024	July 17, 2024
July 31, 2024	October 16, 2024
October 30, 2024	January 22, 2025
February 5, 2025	April 23, 2025
May 7, 2025	TBA

More details: www.pa.gov/pennvest > Quick Links

5

Project Ranking and Review



DEP

• TECHNICAL AND ENGINEERING

- Public Health
- Public Safety
- Environment
- Compliance
- Adequacy
- Efficiency



DCED

• ECONOMIC DEVELOPMENT

- Job Creation
- Job Growth
- Job Retention
- Industrial Expansion
- Tourism
- Community Action Team Participation



PENNVEST

• COMMUNITY CAPACITY

- Land Use
- Infill Priority
- Financial Capability
- Environmental Justice
- Funding Offer
- Collateral



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PENNVEST Board Meeting

- Board votes on funding offers at quarterly meetings
- Applicants do not need to attend in-person
- All meetings live-streamed from Harrisburg via Microsoft Teams
- Open to public participation



7 Funding Offer

- Applicant receives copy of funding paperwork via email
- Contains all terms and conditions
 - Funding source (state or federal) with associated regulatory requirements
 - Funding amount
 - Loan vs. non-repayment amounts
 - Interest rates

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PENNVEST Funding Offer

This Funding Offer is based upon the information submitted for consideration. This offer includes the amount of PENNVEST funding, interest rate, repayment term, as well as the standard terms and conditions that accompany the offer. You must review the offer in order to continue on to the settlement checklist and information collection process.

Description

Contact:
Project Number: 25033031907-CW Status: Under Review
Project Title: Erie City Water Authority - Cherry Street Pump Station and Pro-Fi Improvement Projects
Company: Erie City Water Authority

Funding Offer

Board Approval Date:	10/16/2019
Loan Amount:	\$32,000,000.00
Non-Repayment Amount:	\$0.00
Credit Enhancement Amount:	\$0.00
Estimated Monthly Payments for Years 1 through 5:	\$147,166.18
Estimated Monthly Payments for Years 6 through Maturity:	\$155,296.93
Amortization Period in Months:	240
Interest Only Period:	(up to) 36
Interest Rate of Loan for Years 1 through 5:	1.000
Interest Rate of Loan for Years 6 through Maturity:	1.739
Credit Enhancement Type:	None
Credit Enhancement Fee:	\$0.00

8

Project Bidding/Settlement

CALL 1

- Review funding offer
- Review terms and conditions
- Review bid schedule

CALL 2

- Held after bid opening
- Review bids
- Discuss funding increase if needed

CALL 3

- Review settlement checklist
- Review contracts
- Discuss final legal matters

CALL 4

- Sign closing paperwork via DocuSign
- Can begin construction the next day

CALL 5

- Review bank account requirements
- Review pay request process

9

Construction/Disbursement

- Construction may begin after settlement is complete
 - **Do not begin construction or material acquisition early** – renders project ineligible
 - Exceptions granted via a Letter of No Prejudice (LONP) request
- Payments and change orders processed 100% electronically via PENNVEST portal
- Interest-only payments up to 36 months during construction



10

Project Closeout

- Submit final payment request via PENNVEST portal
 - PA DEP, PENNVEST, and other state/local officials will participate in on-site final inspection
 - A five percent holdback applies to project disbursement until inspection is complete
- PENNVEST reconciles final costs and moves project to repayment status

Glen Campbell Borough - Water System Improvements Project - W

Project ID: 321354042101-CW Company: Borough of Glen Campbell PENNVEST DISBURSEMENT BUDGET
 Loan No: 85201 Legal Entity: Borough of Glen Campbell \$1,111,000.00
 Status: Disbursement Business Partner No: 600644 OTHER SOURCES BUDGET
 Project Specialist: Brendan Linton Board Approval Date: 7/23/2021 \$282,500.00

CLOSEOUT SUMMARY

Archived Closeout Documents

Completed	Closeout	Status	Detail	Comment	Documents	Record Audit
<input type="checkbox"/>	Final Amortization	Pending	N/A			
<input type="checkbox"/>	Financial Statements	Pending	N/A			
	<input type="checkbox"/>	Final DEP Inspection	Pending	N/A		Additional Info
	<input type="checkbox"/>	Continuing Education	Pending	N/A		Additional Info
	<input type="checkbox"/>	Performance Audit	Pending	N/A		
	<input type="checkbox"/>	Nutrient Subsidy	Pending	N/A		Additional Info
<input type="checkbox"/>	Release Holdback	Pending	N/A			
<input type="checkbox"/>	Close-Out Completed	Pending	N/A			

HOW TO ENTER A CLOSEOUT

Closeout

The Closeout tab is for PENNVEST and DEP users to track the final stages and closeout of the project. The following are the steps and process to finalize closeout:

1. DEP Final Inspection must be complete before the other items may be completed.
2. Upon inspection completion, PV's Loan Servicing Officer confirms the receipt of the most recent financial statements, then approves.
3. In addition, a PV representative will ensure that a plan has been submitted to maintain required certification and licenses. DEP will verify.
4. If the project has any nutrient subsidy considerations, PV's Deputy Executive Director will upload and approve at this stage.
5. Performance audits may be required for construction and/or financial/transactional to ensure compliance with the intended use of the funding. If audit has been requested, the final documents/findings must be uploaded prior to closeout and holdback considerations.
6. PV holds back the final 5% of all funding to ensure the completion and closeout of required items, as listed above. Once all the items have been complete, PV's Funds Disbursement Manager will release the Holdback for processing.
7. Once funds have been fully disbursed, the Funds Disbursement Manager will contact the Comptroller that the loan should move to final amortization.



Funding Determination Process

Funding Limits: Stormwater Projects

- Based upon number of municipalities currently served and/or proposed to be served by a project
- PENNVEST does not require a stormwater user rate or fee to be charged

TOTAL FUNDING CANNOT EXCEED
(whichever is less)*

1

\$1,000 per resident within the municipalities served

2

\$10 million flat cap

*See 35 P.S. §751.10

Funding Limits: All Other Projects

- Based upon number of municipalities currently served and/or proposed to be served by a project
- Includes **both direct-billed customers and bulk service** to other municipalities or municipal authorities

ONE MUNICIPALITY SERVED

- \$11 million per application

TWO OR THREE MUNICIPALITIES SERVED

- \$20 million per application

FOUR OR MORE MUNICIPALITIES SERVED

- No limit with supermajority vote of PENNVEST Board of Directors

Offer Determination

TARGET RATE

- Median household income
- DCED Early Warning Score
 - 0.5 to 1.25*
 - Lowered for BIL funding
- Rate of inflation

RESULTING RATE

- Annual debt service of proposed PENNVEST loan
- Current annual debt of borrower
- Annual O&M costs of borrower's system

*All stormwater projects = uniform 0.25 score

Offer Determination

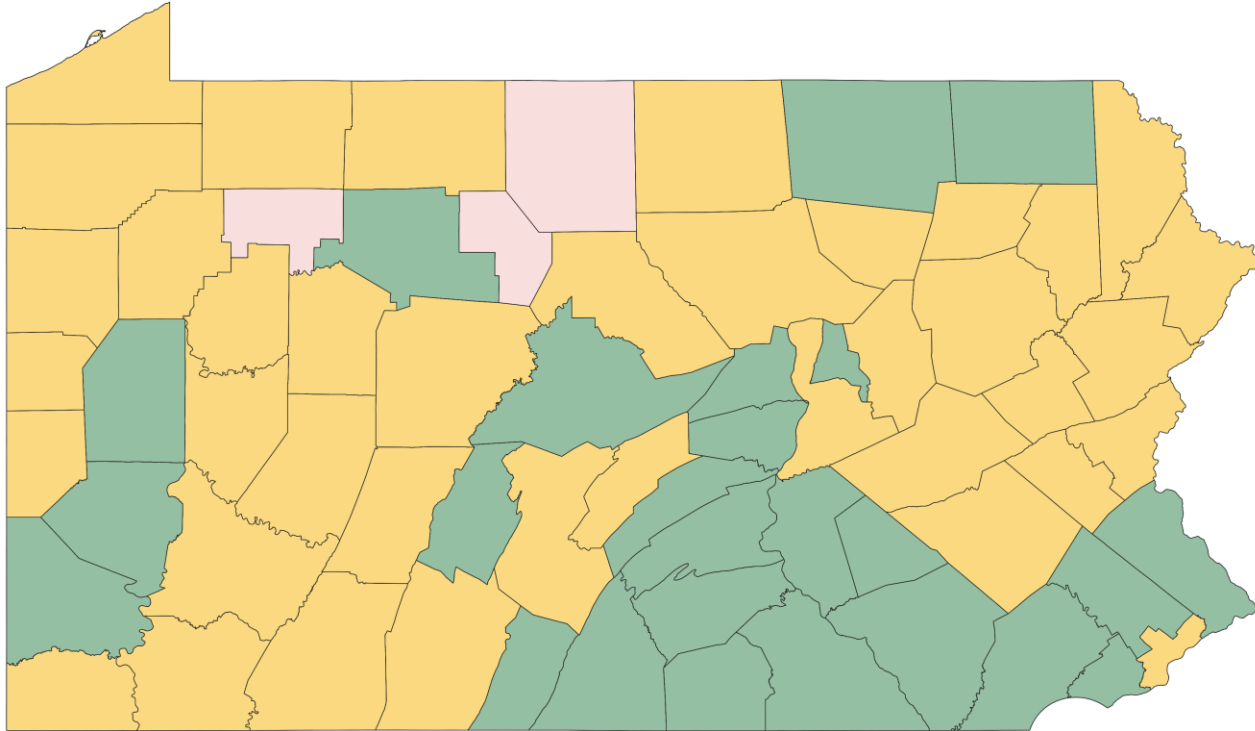
RESULTING RATE AT OR BELOW TARGET RATE

- **All loan**
- Interest rates vary by county and are adjusted annually, typically in the spring
- Unless an applicant submits immediately before a rate adjustment, rates are fixed at time of submission

RESULTING RATE ABOVE TARGET RATE

- **Hardship considerations**
 - Reduced interest rate as low as 1% for full term
 - Non-repayment (grant)
 - Extend loan term to 30 years
- Grant funds are often prorated due to demand and not guaranteed

Current Interest Rates (May 2024)



	YEARS 1-5	YEARS 6+
PINK	1.000%	1.000%
YELLOW	1.000%	1.743%
GREEN	1.743%	2.179%

Offer Determination

- For traditional PENNVEST applications, we use a **uniform funding calculation** across all 67 counties
- Applicants will receive the best offer we can provide in accordance with our program limitations and available funding
- We suggest exploring other funding as a backup plan

Commonwealth
Financing Authority
(CFA)

U.S. Department
of Agriculture
(USDA)

U.S. Environmental
Protection Agency
(EPA)

PA Department
of Conservation &
Natural Resources
(DCNR)

Appalachian
Regional
Commission
(ARC)

PA Department
of Agriculture

PA Department
of Transportation
(PennDOT)

U.S. Army Corps
of Engineers

U.S. Department of
Housing and Urban
Development

Competitive Terms

\$1,000,000	Scenario 1	Scenario 2	Scenario 3
Term in Years	20	20	20
Payment Frequency	Monthly	Monthly	Monthly
Annual Interest Rate	1.00%	5.00%	7.50%
Scheduled Payment	\$4,598	\$6,600	\$8,056
Total Payments	240	240	240
Total Interest	\$103,520	\$583,894	\$933,424

Special Funding Opportunities



Advance Funding Program

- **Covers design and engineering costs** to get to a “shovel ready” stage
 - Act 537 planning costs ineligible
- **Up to \$2 million**
 - 5-year term, typically all loan
 - Interest only for 59 months with one-time balloon payment at month 60
- If system applies for and closes PENNVEST construction financing before 60 months, balloon payment is waived, and loan term is extended to match the construction loan term

ELIGIBLE APPLICANTS

- Brand new start-up systems with no user rate or funding source to support initial planning and design costs
- New or existing systems...
 - in a “disadvantaged community” per the Council on Environmental Quality (CEQ) Economic Justice Screening Tool
 - in a PA DEP-defined Environmental Justice (EJ) area
 - denied by other lenders and unable to secure interim financing elsewhere

Small Project Initiative (SPI)

- Quick turnaround, processed outside of traditional cut-off dates
- Apply anytime during the year
- **\$500,000** PENNVEST funding limit
 - **Loan only**, no grant, 20-year term
 - Uses county cap interest rates
- **Total project cost cannot exceed \$1 million** including contingency
- State funds guaranteed
 - No federal dollars and associated regulatory requirements

Population of
12,000
people or less

Hookups of
1,000 or less

Agricultural
operation
(some exceptions)

Programmatic Financing (Pro-Fi)

- Bundle a series of projects on an approved capital improvement plan under one PENNVEST application
 - Only one project must be shovel ready
 - Implement remaining projects over a three-year period
- **Loan only**, no grant
- Locks in the county cap interest rate

RECENT PARTICIPANTS

- Erie City Water Authority, Erie County
- Capital Region Water, Dauphin County
- Pittsburgh Water and Sewer Authority, Allegheny County
- Wyoming Valley Sanitary Authority, Luzerne County
- Lancaster Area Sewer Authority, Lancaster County
- Central Delaware County Authority, Delaware County

Lead Service Line Replacement

- Special incentives under BIL funding for lead service lines and goosenecks
 - Full lead line replacement required
 - Requires a separate application in the PENNVEST system
 - Can be paired with another project
- **Higher chance of grant funding** with revised financial calculation
- Risk mitigation measures must be followed per EPA and PA DEP rules, these are eligible PENNVEST costs



Example lead gooseneck and corroded lead service line
Erie City Water Authority - City of Erie, Erie County

Emerging Contaminant Funding

- Targeted towards drinking water, but some wastewater systems may also be eligible
- Primary focus is PFAS in drinking water systems
- Uses normal PENNVEST application and cut-off dates
- **Higher chance of grant funding**, otherwise, all loan or a loan/grant combination will be awarded depending on funding demand

PFAS/PFOA	<ul style="list-style-type: none">• Perfluoroalkyl substances• Other persistent organic pollutants
Biological	<ul style="list-style-type: none">• Antimicrobial resistant bacteria and pathogens
PPCPs	<ul style="list-style-type: none">• Pharmaceuticals• Personal care products
Nanomaterials	<ul style="list-style-type: none">• Carbon/nano scale particulates
Plastics	<ul style="list-style-type: none">• Microplastics• Nanoplastics
EPA Contaminant Candidate Lists	<ul style="list-style-type: none">• CCL1 to Draft CCL5• Drinking Water Only

Solar Projects

- Must be tied to needs of a drinking water or wastewater facility
 - May be standalone application or complimentary to a larger project
 - Cannot exceed needs of the facility
 - Facility owner/operator must be the applicant
- Must comply with all other PENNVEST application requirements
- Technical assistance available at **pasolarcenter.org**

Potential Cost-Effective Direct Benefits

Offset or reduce operating expenses

Backup power source

System resiliency

Homeowner Sewage Program

- Administered by the Pennsylvania Housing Finance Agency (PHFA)
- Fixed rate of 1.75% (up to 2.8% APR)
 - Maximum 20-year term, 15-year term for manufactured homes
 - \$25,000 maximum loan amount
 - No household income limits
- Homeowners contact PHFA directly and work with a participating lender
- Call **(855) 827-3466** or visit **phfa.org > Sewer Repair Help**

Most Primary Owner-Occupied Residences

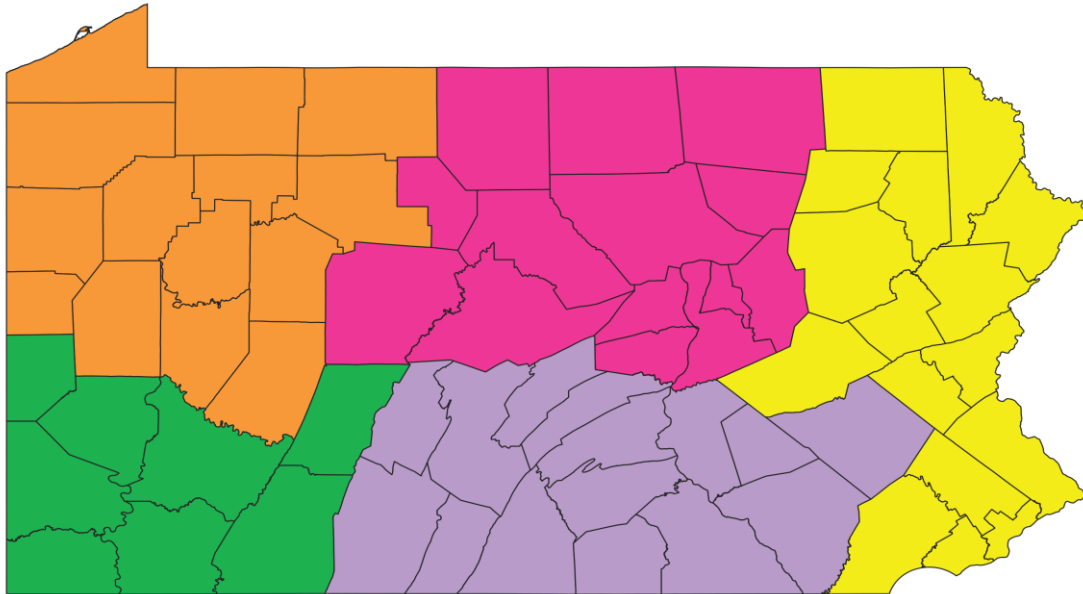
Repair or replacement of existing on-lot septic systems

Repair or replacement of existing laterals to public sewer

First-time connections to public sewer and tap-in fees*

*Includes both tap-in fee and construction costs, but applicant may choose to only finance initial tap-in fee

PENNVEST Regional Contacts



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