

PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY

PENNVEST APPLICATION FORMS

DESCRIPTION		
Project Name: Philadelphia - Pretreatment Facility		
Project ID: 51001101905-CS	Type: Waste Water	Status: Data Collection
Sub Type: System	Stage: Construction	
Filing Date: 4/3/2019	Population Served: 1580863	
Amount Requested: \$100,115,000.00	Total Cost: \$100,115,000.00	
What is the estimated number of construction-related jobs created through this project?		0
What is the number of these jobs that expect to employ Pennsylvania Residents?		0
Service Area: <p>Pursuant to the Philadelphia Home Rule Charter (the "Charter"), the City's Water Department (the "Water Department") has the power and duty to operate, maintain, repair and improve the City's water system (the "Water System") and the City's wastewater system (the "Wastewater System" and together with the Water System, the "Water and Wastewater Systems" or the "System"). The Water Department, which began water service in the 1800's, supplies water and wastewater services to customers within the City and has one wholesale water contract and ten wholesale wastewater contracts with entities outside the City. Under the General Ordinance, the Water and Wastewater Systems are treated as one combined utility for the purpose of revenue bond financing.</p>		
Problems: <p>The City of Philadelphia, Philadelphia Water Department (PWD) is under a consent order to meet the requirements of USEPA for combined sewer overflow (CSO) mitigation. CSO is a combination of sanitary sewage and stormwater that historically has directly overflowed to the Delaware River untreated. PWD has developed a long-term control plan update that includes conveying additional CSO flow to be treated at the City's Northeast Water Pollution Control Plant (WPCP). As part of that effort, PWD has undergone a major construction project to build a conduit to bypass primary treated effluent around the secondary treatment process. The bypassed flow will be disinfected. The other part of this major infrastructure improvement is the design and construction of new Preliminary Treatment Facilities consisting of screening and grit removal processes in advance of existing primary sedimentation. The combination of these two major infrastructure improvements will provide PWD with the facilities necessary to treat additional CSO flow and comply with the consent decree.</p>		
Description:		

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The Preliminary Treatment Facilities generally includes process buildings, pipe galleries and associated structures for screening and grit removal for the Frankford High Level wastewater collection and conveyance system. The facilities are sized to handle a range of flows as follows:

Maximum Flow – 300 MGD

Average Flow – 50 MGD

Minimum Flow – 24 MGD

Other(s) Funding Sources:		
Source Type	Source Name	Source Amount

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System:	
Does the Applicant own the System?	YES
Does the Applicant operate the System?	YES
Does the Applicant Maintain the System?	YES
Does the Applicant Construct the System?	YES
Does this project include costs associated with the purchase of system capacity from another entity?	N/A
Does this project include costs associated with the construction of capacity in your system for use and/or purchase by other entity (ies)?	N/A
Is, or does the Applicant intend to be, a party to any inter-municipal agreements which affect this project or your system?	YES
If yes, you will be required to upload copies of all inter-municipal agreements to the Support Documents section when you complete this portion of the application.	
Has the Applicant issued debt or borrowed money, or does the Applicant intend to issue debt or borrow money, under a trust indenture?	NO
If yes, you will be required to upload copies of the original trust indenture and all supplemental trust indenture to the Support Documents section when you complete this portion of the application.	
Do you charge residential or commercial user fees?	YES
NPDES Number: PA0078267	PWSID Number:
Do you have a current Bond Rating?	YES
Rating Agency	Rating
Fitch	A+
Moody's	A1
S&P	A+

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Contacts:		
City of Philadelphia		Applicant
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SAP Vendor #: 177575013	DUNS: 133889241	Federal ID/FIN: 236003047
LaBuda, Melissa		Applicant
Address: 1101 Market Street PWD Philadelphia, PA 19146		Phone: Phone Ext.: Fax: Email: melissa.labuda@phila.gov
Hovsepian, Vahe		Applicant
Address: 1101 Market Street 2nd Floor Philadelphia, PA 19107		Phone: 2159089502 Phone Ext.: Fax: Email: vahe.hovsepian@phila.gov
Bowman, Matthew		Applicant
Address: 1401 JFK Blvd Suite 640 Philadelphia, PA 19102		Phone: Phone Ext.: Fax: Email: matthew.bowman@phila.gov
Crawford, Christina		Engineer
Address: 159 E. High Street Suite 500 Pottstown, PA 19464		Phone: 6107054500 Phone Ext.: 1014 Fax: Email: ccrawford@cedarvilleeng.com
Hovsepian, Vahe		Engineer
Address: 1101 Market Street 2nd Floor Philadelphia, PA 19107		Phone: 2159089502 Phone Ext.: Fax: Email: vahe.hovsepian@phila.gov

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Address: 1735 Market Street 42nd Floor Philadelphia, PA 19103	Phone: Phone Ext.: Fax: Email:	 magaritym@pfm.com
Rogers, Jaclyn		Financial
Address: 1101 Market St Philiadelphia, PA 19107	Phone: Phone Ext.: Fax: Email:	2156854978 jaclyn.rogers@phila.gov
Allen, Valarie		Others
Address: 1735 Market Street, 51st Floor Philadelphia, PA 19103	Phone: Phone Ext.: Fax: Email:	2157041422 allenv@ballardspahr.com
Olivier, Michael		Others
Address: 1500 Market Street Suite W2750 Philadelphia, PA 19102-2100	Phone: Phone Ext.: Fax: Email:	2678313296 molivier@wrallp.com

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PROJECT SITE(S)		
City of Philadelphia		Primary Site
Address: 1401 John F. Kennedy Blvd Philadelphia, PA 19107	Latitude: Longitude:	39.9540966 -75.1644793
Northeast Water Pollution Control Plant		Other Site
Address: 3831 Richmond Street Philadelphia, PA 19137	Latitude: Longitude:	39.989737 -75.085379
Counties and Municipalities		
Primary False	County Philadelphia	Municipality Philadelphia City
System False	Project False	Households served 485000
Congress Brendan, Boyle	House MaryLouise, Isaacson	Senate John P., Sabatina Jr.

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PROJECT PLAN

Indicate the important dates for Pre-Construction, Construction and Major Milestones.

Pre Construction Planning Dates

Planning Consultation	Apr 3 2019
Planning Completed	Apr 3 2019
Design Completed	Dec 31 2020
Obtained all needed permits	Nov 4 2020
Bid Date	Apr 1 2021
Bid Opening	May 1 2021
Awarded Contract	Aug 1 2021
Pre-Construction Conference	Sep 1 2021

Letter of No-Prejudice

Letter of No-Prejudice (LONP) issued (if required). Date is entered by PENNVEST Project Management Office upon request and issue of letter.	
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Construction Dates

Start Construction	Sep 1 2021
End Construction	Sep 1 2025

Award Design Dates

Begin Design	Jan 1 2012
End Design	Dec 31 2020

Project Plan Major Milestones

NOTES:

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MEASURES

Land Use:

Has the area served by this project been covered by an adopted municipal comprehensive plan?	YES
Is this project located in an area where there is an adopted county comprehensive plan?	YES
Is there an adopted multi-municipal or multi-county comprehensive plan for the area(s) covered by this project?	YES
Is there an adopted county or municipal zoning ordinance or a joint municipal zoning ordinance for the area covered by this project?	YES
Is the proposed project consistent with these comprehensive plans and/or zoning ordinances?	YES

WasteWater Breakdown

Secondary Treatment	\$0.00
Advanced Treatment	\$0.00
Treatment greater than secondary	\$0.00
Infiltration/Inflow Reduction	\$0.00
Sanitary Sewer Replacement/Rehabilitation	\$0.00
New Collection Sewers	\$0.00
New Interceptors	\$0.00
Elimination/Correction of Combined Sewer Overflows	\$90,300,000.00
Storm sewers	\$0.00
Recycled Water Distribution	\$0.00

WasteWater Compliance:

Will this project bring a wastewater facility into compliance with public health and water quality standards?	YES
Will this project eliminate Combined Sewer Overflow (CSO) discharge points?	NO
Will this project improve the water quality in a stream or streams?	YES
If yes, how many?	5
Will this project eliminate malfunctioning on-lots septic systems?	NO
Will this project eliminate raw sewage discharges from wildcat systems?	NO
Will this project install best management practices (BMP's) for a non-point source project?	YES
Will this project reclaim a brownfield site?	NO

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Notes:

The overall project will reduce frequency of CSO in several areas of Philadelphia including the Frankfort area, Tacony area, Delaware area, PennyPack area, and Poquessing area.

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BENEFITS

Narrative:

Philadelphia Water Department (PWD) is under a consent order to meet the requirements of USEPA for combined sewer overflow (CSO) mitigation. CSO is a combination of sanitary sewage and stormwater that historically has directly overflowed to the Delaware River and contributing creeks and streams untreated. PWD has developed a long-term control plan update that includes conveying additional CSO flow to be treated at the City's Northeast Water Pollution Control Plant (WPCP). As part of that effort, PWD is constructing a new Preliminary Treatment Facilities consisting of screening and grit removal processes in advance of existing primary sedimentation. This project will provide PWD with the facilities necessary to treat additional CSO flow and comply with the consent decree.

Comparison:

See the Site Justification Memo dated July 10, 2014, revised May 28, 2019 uploaded to the supporting documents.

New Treatment Plant:

Capacity	gpd
Existing EDUs	
Proposed EDUs	

Modification of Treatment Plant:

Existing Capacity	gdp
Existing EDUs	
Proposed Capacity	gpd
Proposed EDUs	

Sanitary Sewer Lines:

Total Length of New Interceptor Line(s)	feet
Total Length of New Gravity Line(s)	feet
Total Length of New Force Main Line(s)	feet
Total Length of Rehabilitated/Replaced Sanitary Sewer Line (s)	feet
Elimination of Combined Sewer Overflow(s):Total Length	feet
Reduction of Infiltration/Inflow:Total Length	feet

Waste Water:

Malfunctioning On-lot systems?	NO
Wildcat Sewer sytems?	NO
Wet Weather bypassing of the collection system?	NO
Wet Weather bypassing of the treatment plant?	NO
Basement flooding during Wet Weather?	NO
Combined sewer overflows?	YES

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Treatment plant does not meet Effluent Limits?	NO
Deteriorated Sanitary Sewer system?	NO
Green Infrastructure Components	
Does the project result in reduced (minimum 20%) water use?	NO
If 'Yes' explain:	
Does the project recycle water?	NO
If 'Yes' explain:	
Does the project reduce (minimum 20%) infiltration of water into the sewer pipes being repaired/replaced?	NO
If 'Yes' explain:	
Does the project reduce (minimum 20%) leakage from the water pipes being repaired/replaced?	NO
If 'Yes' explain:	
Does the project save energy (minimum 20%)?	NO
If 'Yes' explain:	
Does the project infiltrate, evapo-transpire or control stormwater?	YES
If 'Yes' explain: Project will reduce combined sewer overflows Northeast section of Philadelphia. BMPs will be used to manage on site drainage as well.	
Does the project implement Ag BMP's, or Low-Impact Development, or wetland restoration or construction, or greenhouse gas reduction, or apply differential uses of water treated to varying levels?	NO
If 'Yes' explain:	
Cost Effectiveness	
Describe the alternatives that were considered to solve the problem in the Project Description and the cost of those alternatives.	
See the Cost Effective Analysis & Project Useful Life Memo dated October 27, 2020 uploaded to the supporting documents.	
Public Health:	
Will this project eliminate on-lot disposal systems that have been documented as malfunctioning?	NO
If Yes, how many were tested?	
Provide the percentage of malfunctions.	0.00%
Will this project eliminate untreated or inadequately treated sewage discharged from collection and conveyance?	NO
Wet Weather discharges	YES
Dry Weather discharges	NO
Is this project necessary to upgrade treatment facilities as a result of more stringent effluent limits in a revised or issued NPDES permit?	NO
Is construction necessary for the system to comply with an order from DEP to address Combined Sewer Overflow problems?	YES

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Have any downstream public bathing beaches been closed due to water quality standards directly related to this facility?	NO
If Yes, Please explain:	
Are public water supply sources, or private wells subject to contamination that will be addressed by this project?	NO
If Yes, Please explain:	
Aquatic Health	
Will this project eliminate a wildcat sewer system discharge?	NO
If Yes, Please Explain:	
Provide the number of EDU's in the service area:	
Number of EDU's served by wildcat sewers:	
Is this treatment facility hydraulically overloaded during dry weather?	NO
Is this treatment facility hydraulically overloaded during wet weather?	NO
Will this project protect surface waters that support cold or warm water fishery?	NO
If yes, Please Explain:	
DEP Compliance	
Will this project satisfy a non-Compliance order for on-lot wastewater disposal systems and/or wastewater treatment facilities?	NO
If Yes, Please Explain:	
Will this project satisfy a non-compliance consent order and agreement at a wastewater treatment facility or wastewater collection/conveyance facility?	YES
If Yes, Please Explain: As required in the consent order and Agreement PWD must meet 85% capture which is part of the overall program to reduce CSO(s).	
Infrastructure Health (Waste Water) :	
Will this project address hydraulic overloading that result in sewage backing up into basements of structures?	NO
Will this project reduce facility and/or better manage energy consumption?	NO
Will this project generate energy?	NO
Does the system have an up-to-date Emergency Response Plan?	YES
Does the system have an up-to-date Asset Management Plan?	YES
Are the rates being charged by the system sufficient to implement the system's long term budget?	YES
If no, please explain:	
Community Health (Waste Water)	
Will this project eliminate one or more existing National Pollutant Discharge Elimination System (NPDES) discharges?	NO
If Yes, Please explain:	

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Will this project eliminate all NPDES - system permitted combined sewer overflow (CSO) points in a combined wastewater collection/conveyance?	NO
If Yes, Please explain:	
Will this project result in consolidation or regionalization of operational, maintenance or monitoring function with other discharges?	NO
If Yes, Please explain:	
Is this project consistent with local, county and regional land use planning? Please upload letters to Supporting Documents.	YES
If no, Please explain:	
Is this project consistent with the county agricultural preservation efforts? Please upload letters to Supporting Documents.	YES
If no, Please explain:	

Keystone:

Have any of the communities served by this project been designated as distressed under the Municipalities Financial Recovery Act 47 of 1987?	NO
Does this project directly serve a Brownfield site as designated by the PA Department of Environmental Protection?	NO
Does this project serve a City, Borough or Township of the 1st Class?	YES
Have any of the communities served by this project been designated as a Community Action Team [CAT] project by the Department of Community and Economic Development?	NO
municipality: county:	
Does the Community(ies) where this project is located have a Comprehensive Land Use Plan?	YES
If yes, is this project consistent with that plan? If yes, please upload a copy of correspondence indicating consistency in Supporting Documents.	YES
Does the County(ies) where this project is located have a Comprehensive Land Use Plan?	YES
If yes, is this project consistent with that plan?	YES
Does the County(ies) where this project is located have an Agricultural Land Preservation Plan?	NO
If yes, is this project consistent with that plan?	NO

Notes:

The City of Philadelphia does not have an Agricultural Land Preservation Board.

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INCOME AND EXPENSES

Billing:	Per Last Completed Fiscal Year 2019	First Year after Project Completed 2024
Estimated Population	1580863	1580863
Households served by System	485000	485000
Total EDUs served by system		
Residential EDUs served by system		
Average annual Residential bill	\$800.76	\$800.76
Total residential bills levied		
Total Residential bills collected	\$689,268,000.00	\$689,268,000.00
Total Commercial/Industrial bills levied		
Total Commercial/Industrial bills collected	\$43,105,000.00	\$43,105,000.00

Income for Government Entity:	Per Last Completed Fiscal Year 2019	First Year after Project Completed 2024
Total Bills Collected	\$732,373,000.00	\$732,373,000.00
Other Charges Collected	\$13,699,000.00	\$13,699,000.00
Total Operating Revenues	\$746,072,000.00	\$746,072,000.00
Non-Operating Revenues	(\$24,054,000.00)	(\$24,054,000.00)
TOTAL INCOME	\$770,126,000.00	\$770,126,000.00

Explain other charges, non-operating revenues and identify sources of the above information: Bulk Agreements with FY19= Revenues totaling \$43 million and is listed as total commercial.

Other Operating Revenue FY19 = interest income

Operating Expenses :	Per Last Completed Fiscal Year 2019	First Year after Project Completed 2024
Labor (Salaries and Benefits)	\$284,713,000.00	\$284,713,000.00
Utilities		
Rent		
Materials and Supplies	\$38,709,000.00	\$38,709,000.00
Outside Services	\$128,587,000.00	\$128,587,000.00
Cost of Goods Sold		
Program Expenses		
Administration Expenses	\$3,602,000.00	\$3,602,000.00
Professional Fees		
Depreciation Expense	\$124,315,000.00	\$124,315,000.00

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Other Expenses		
Net Operating Expense (Less Depreciation)	\$455,611,000.00	\$455,611,000.00
Non-Operating Expenses :	Per Last Completed Fiscal Year 2019	First Year after Project Completed 2024
Annual debt service excluding this project	\$74,742,000.00	\$74,742,000.00
Other Non-Operating Expense	\$31,110,000.00	\$31,110,000.00
Net Non-Operating Expense	\$105,852,000.00	\$105,852,000.00
Total Expenses	\$561,463,000.00	\$561,463,000.00
Explain any Other Expenses and identify sources of the above information: Source is Statement of Revenue and Expense FY2019 - City of Philadelphia CAFR Other Non-Operating Expense FY2019 = items removed from fixed assets of the system.		

Net Cash:	Per Last Completed Fiscal Year 2019	First Year after Project Completed 2024
Total Income	\$770,126,000.00	\$770,126,000.00
Total Cash Expenses	\$561,463,000.00	\$561,463,000.00
NET CASH FLOW	\$208,663,000.00	\$208,663,000.00

Notes:

FINANCIAL

Source:	Amount	Committed
System Funds (resources, Owner equity, etc.)	\$0.00	\$0.00
Connection Fees / Tap Fees / Assessments	\$0.00	\$0.00
Grants	\$0.00	\$0.00
Other	\$0.00	\$0.00
Amount Requested from PENNVEST	\$100,115,000.00	\$0.00
Special Assessments :	Amount	
Amount of Assement per EDU	\$0.00	
No. of EDUs to be Charged		
Anticipated Collection Rate		
Total to be Generated by Assessments		

Explanation of Sources :

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If you have chosen not to utilize other available sources of funding for this project, please explain the basis for your decision:

Describe any constitutional, statutory, charter, or other limitation on debt that apply to the applicant:

Debt Obligations :

For Governmental entities:	For non-Governmental entities:
a) First lien on user charge revenues	a) Guarantee of the parent company
b) Guarantee of municipality	b) Pledge of stock
c) Municipal taxing power	c) Mortgage lien on company facilities

Are there any liens or other encumbrances by existing debt obligations which would prevent PENNVEST from requesting any of the above forms of loan security? YES

Closely Held for Profit Entities :

Owner	Percent
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NOTES:

The City is requesting that PennVest take a subordinated lien to outstanding Water & Wastewater Revenue Bonds.

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DEBT

Notes:

All Water and Wastewater Revenue Bonds (other than Subordinated Bonds) are equally and ratably secured under the General Ordinance. No Subordinated Bonds are Outstanding under the General Ordinance.

Pursuant to the General Ordinance, the City pledges and assigns to the Fiscal Agent, in trust, for the security and payment of all Water and Wastewater Revenue Bonds (other than Subordinated Bonds) issued under or subject to the General Ordinance, and grants to the Fiscal Agent, in trust, a lien on and security interest in all Project Revenues and amounts on deposit in or standing to the credit of the Water and Wastewater Funds (other than the Rebate Fund). The Fiscal Agent must hold and apply the security interest in and lien on Project Revenues and funds and accounts, in trust, for the equal and ratable benefit and security of all present and future holders of Water and Wastewater Revenue Bonds (other than Subordinated Bonds). The General Ordinance provides that such pledge also may be for the benefit of the provider of a Credit Facility or a Qualified Swap (as defined therein), or any other person who undertakes to provide monies for the account of the City for the payment of principal or redemption price of and interest on any series of Water and Wastewater Revenue Bonds (other than Subordinated Bonds), on an equal and ratable basis with the holders of Water and Wastewater Revenue Bonds (other than Subordinated Bonds).

RATES

Billing:

Select the appropriate rate structure and billing frequency from the drop down list that is provided. In the space provided, describe any special rate structure or agreement.

	Monthly	Quarterly	Other
Metered	NO	NO	NO
Flat	NO	NO	NO
other	NO	NO	NO

Special Rate Structure or Agreement:

Current Rates

Pursuant to the Rate Ordinance, the Water Department initiated a general rate increase proceeding by filing an advance notice with the Rate Board and City Council on February 12, 2018, followed by formal notice on March 14, 2018. In accordance with its regulations, the Rate Board appointed Community Legal Services to serve as the Public Advocate to represent the concerns of the residential consumers and other small users in the proceeding and held nine public hearings and five days of technical hearings. On July 12, 2018, the Rate Board issued a Rate Determination approving overall rate increases of 1.33% and 1.20% to take effect in Fiscal Years 2019 and 2020, respectively. As proposed by the Water Department, the first rate change became effective on September 1, 2018 for

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Fiscal Year 2019, and the second became effective on September 1, 2019 for Fiscal Year 2020. On June 27, 2019, as part of the TAP Rate Rider Reconciliation Proceeding, the Rate Board approved annual adjustments to the rates effective September 1, 2019. See "TAP Rate Reconciliation" below. The Water Department has estimated that the rate changes and targets for financial metrics approved by the Rate Board will result in total revenue increases of approximately \$7,884,000 in Fiscal Year 2019 and \$14,467,000 in Fiscal Year 2020.

The Water Department initiated a general rate increase proceeding for Fiscal Year 2021 and Fiscal Year 2022 by filing an advance notice with the Rate Board and City Council on February 11, 2020. The Water Department filed its formal notice on or about March 12, 2020 and subsequently withdrew its general rate increase proceeding in accordance with the regulations of the Rate Board as a result of the COVID-19 pandemic. As of the date of this Official Statement, the Water Department expects to reinstate its general rate increase proceeding during the first quarter of the 2021 calendar year.

Water rates for general service customers of the Water Department consist of a service charge related to the size of the meter, plus a schedule of quantity charges for water use. Sewer rates for general service customers are similar. To more fairly reflect the burden on the System, stormwater charges are calculated based on a customer's property size and its relative imperviousness. A uniform stormwater charge based on the average size and imperviousness of residential properties is billed to residential customers. Charges to non-residential and condominium customers are based on each property's specific size and impervious area.

Special rates with partial discounts are established pursuant to the Water Department's Rates and Charges for the following customers: (1) public and private schools which provide instruction up to or below the twelfth grade; (2) institutions of "purely public charity;" (3) places used for religious worship; (4) residences of eligible senior citizens; (5) universities and colleges; and (6) public housing properties of the Philadelphia Housing Authority. In addition, the Rate Board approved discounts of 100% on stormwater rates for eligible community gardens in 2016 and an exemption from water, sewer and stormwater rates for unoccupied properties of the Philadelphia Land Bank in 2018. Some real estate also is exempt from stormwater charges, including, cemeteries, residential sideyards, City-owned or City-controlled vacant lots or improvements, portions of Fairmount Park, streets, medians, sidewalks, and rights-of-way. Water and sewer charges, including stormwater charges, terminate when any vacant or unoccupied premises are acquired by the City and when property is acquired by the Philadelphia Housing Development Corporation or the Philadelphia Redevelopment Authority under provisions of the Philadelphia Code pertaining to vacant properties.

In addition to the special rates referenced above, the Water Department offers additional assistance and incentive programs to customers, which constitute either an Operating Expense of the Water Department or contra-revenue in the form of credits or reductions to customers' bills.

The Tiered Assistance Program ("TAP") program was launched on July 1, 2017 and assists low-income households at or below 150% of the federal poverty level ("FPL") and those experiencing a special hardship, as discussed herein. Under the TAP program bills are tied to household income and do not fluctuate based on actual consumption. Under the TAP program, monthly bills for water, sewer, and stormwater usage and service charges are as follows:

Income Fixed Charge %*

50% of FPL or lower at 2% of the household income \$12.00 minimum bill

Above 50% and at or below 100% At 2.5% of the household income

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Above 100% and at or below 150% FPL 3% of the household income

Above 150% FPL, with proof of hardship 4% of the household income A special hardship can be increase in household size, loss of a job lasting more than 4 months, serious illness lasting more than 9 months, death of primary wage earner, domestic violence, other circumstances that threaten household's access to necessities of life

*Any actual charges above the fixed amount are forgiven.

Revenue:

Indicate the total revenues collected by category as indicated before and after the project.

	Before Project	After Project
Residential	\$689,268,000.00	\$689,268,000.00
Commercial	\$0.00	\$0.00
Industrial	\$0.00	\$0.00

Customers :

Indicate the number of residential households that the system currently serves and the number that you expect to serve once this project is complete. Provide similar information for EDU's (equivalent dwelling units) and population that will be impacted by the project.

	Currently	After First Year
Residential Households Served	485000	485000
Number of Additional EDU's	0	
Estimated Population Impacted	1580863	

NOTES:

Households served is from the most recent Official Statement and reflects total wastewater accounts minus stormwater only accounts

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BUDGET

Engineering Costs:

This section is used to provide a breakdown of project engineering costs related to planning. For Waste Water projects these costs should represent expenses that are not related to Act 537 planning.

Tasks	
Planning	\$0.00
Pre-Design Services	\$0.00
Design	\$0.00
Bidding	\$100,000.00
Construction Services	\$5,000,000.00

Total Engineer Cost	\$5,100,000.00
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Construction Items:

This section is used to provide a breakdown of project costs related to construction for Transmission/Interceptor, Mains, Pump Station, Storage, Treatment and Source/Disposal. Use linear feet for length.

	Units	Estimated Cost
Transmission/Interceptor	linear ft	
Mains	linear ft	
Pump Station	stations	
Storage	gallons	
Treatment	gallons	\$90,300,000.00
Source/Disposal	gallons	

Total Construction Cost :	\$90,300,000.00
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Total Major Phases Costs:

This section is used to provide a breakdown of all project related costs as they relate to pre-design, design and construction components of the project. These figures are typically estimates, based upon consulting services and engineering design specifications.

Major Phases			
Cost Category	Pre-Design	Design	Construction
Administrative Costs	\$0.00	\$0.00	\$0.00
Legal Fees	\$0.00	\$0.00	\$200,000.00

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Financial / ... Accounting Charges	\$0.00	\$0.00	\$0.00
Interest during Construction	\$0.00	\$0.00	\$0.00
Engineering, Architecture Fees	\$0.00	\$100,000.00	\$5,000,000.00
Permits	\$0.00	\$0.00	\$0.00
Land	\$0.00	\$0.00	\$0.00
Construction			\$90,300,000.00
Contingency			\$4,515,000.00
Grand Totals	\$0.00	\$100,000.00	\$100,015,000.00

Total Project Costs :

Cost Category	Total Cost
Administrative Costs	\$0.00
Legal Fees	\$200,000.00
Financial / ... Accounting Charges	\$0.00
Interest during Construction	\$0.00
Engineering, Architecture Fees	\$5,100,000.00
Permits	\$0.00
Land	\$0.00
Construction	\$90,300,000.00
Contingency	\$4,515,000.00
	\$0.00
Total Project Cost :	\$100,115,000.00

Additional information or comments :

PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY

IMPACT

Industry:

Economic Benefits: Indicate the economic benefits of the project relative to job creation/retention and private investment. Attachments should be clearly identified and forwarded to DCED for review.

Notes:

