

RESOLUTION: 23-115

**RESOLUTION OF THE PASSAIC VALLEY WATER COMMISSION
DECLARING ITS OFFICIAL INTENT TO REIMBURSE EXPENDITURES
FOR PROJECT COSTS FROM THE PROCEEDS OF DEBT
OBLIGATIONS OF THE COMMISSION, INCLUDING IN CONNECTION
WITH ITS PARTICIPATION IN THE NEW JERSEY INFRASTRUCTURE
BANK'S WATER BANK FINANCING PROGRAM**

DATE OF ADOPTION: JULY 26, 2023

Introduced by Commissioner: RIGO SANCHEZ

Seconded by Commissioner: JOSEPH KOLODZIEJ

WHEREAS, the Passaic Valley Water Commission (the "Commission") intends to acquire, construct, renovate and/or install the environmental infrastructure projects more fully described in Exhibit A and Exhibit B attached hereto (collectively, the "Projects"); and

WHEREAS, the Commission intends to finance the Projects with debt obligations of the Commission (the "Project Debt Obligations") but may pay for certain costs of the Projects (the "Project Costs") prior to the issuance of the Project Debt Obligations with funds of the Commission that are not borrowed funds; and

WHEREAS, the Commission reasonably anticipates that obligations, the interest on which is excluded from gross income under Section 103 of the Internal Revenue Code of 1986, as amended (the "Code"), will be issued by (i) the Commission on a short-term and/or long-term basis, and/or (ii) the New Jersey Infrastructure Bank (the "Conduit Issuer") to finance the Project on a long-term basis by making a loan to the Commission with the proceeds of the Conduit Issuer's obligations; and

WHEREAS, the Commission desires to preserve its right to treat an allocation of proceeds of the Project Debt Obligations to the reimbursement of Project Costs paid prior to the issuance of the Project Debt Obligations as an expenditure for such Project Costs to be reimbursed for purposes of Sections 103 and 141 through 150, inclusive, of the Code; and

WHEREAS, by Resolution No. 23-80 adopted on May 24, 2023 (the "Prior Resolution"), the Commission has heretofore declared its official intent to reimburse expenditures for Project Costs for certain capital projects (the "May 2023 Projects"), including most, but not all, of the Projects listed on Exhibit A attached hereto; and

WHEREAS, the Prior Resolution recited that the maximum principal amount of the Project Debt Obligations expected to be issued to finance the May 2023 Projects was \$175,000,000, including (i) an estimated \$39,937,500 in hard costs for the May 2023 Projects listed in Exhibit A attached to the Prior Resolution under the tab entitled "New Capital Projects – NJEIT (I-Bank) Funding Anticipated" (the "May 2023 I-Bank Project List"), (ii) an estimated \$73,865,094 in hard costs anticipated to be spent during 2023 and 2024 for the May 2023 Projects listed in Exhibit A attached to the Prior Resolution under the tab entitled "Ongoing Capital Projects – Bond Funding Required" (the "May 2023 Ongoing Project List"), (iii) an estimated \$47,311,880 in hard costs anticipated to be spent during 2023 and 2024 for the May 2023 Projects listed in Exhibit A attached to the Prior Resolution under the tab entitled "New Capital Projects – Bond Funding Required" (the "May 2023 New Project List"), and (iv) an allowance for issuance expenses, capitalized interest (if any) and funding of reserves; and

WHEREAS, the Commission has since refined its capital financing needs and now wishes to supplement the declaration of official intent contained in the Prior Resolution, provided that the declaration contained in the Prior Resolution shall remain in full force, effective as of its date of adoption as to the May 2023 Projects and the amounts of Project Debt Obligations recited therein;

NOW, THEREFORE, BE IT RESOLVED BY THE PASSAIC VALLEY WATER COMMISSION, as follows:

Section 1. The Commission reasonably expects to reimburse its expenditure of Project Costs paid prior to the issuance of the Project Debt Obligations with proceeds of the Project Debt Obligations.

Section 2. This resolution is intended to be and hereby is a declaration of the Commission's official intent to reimburse the expenditure of Project Costs paid prior to the issuance of the Project Debt Obligations with the proceeds of a borrowing to be incurred by the Commission, in accordance with Treasury Regulations §1.150-2.

Section 3. The declaration contained in the Prior Resolution remains in full force, effective as of its date of adoption, as to the May 2023 Projects and the amounts of Project Debt Obligations recited therein.

Section 4. The maximum principal amount of the Project Debt Obligations expected to be issued to finance the Project Debt Obligations is \$175,000,000, including (i) an estimated \$39,937,500 in hard costs for the May 2023 Projects listed in the May 2023 I-Bank Project List (which list is unchanged at the present time), (ii) an estimated \$78,286,545 in hard costs for the projects listed in **Exhibit A** attached hereto under the heading "2023-2024 Bonding for Current Contracts" (representing an update of the May 2023 Ongoing Project List), (iii) an estimated \$39,070,567 in hard costs for the projects listed in **Exhibit B** attached hereto under the heading "2023-2024 Bonding for New Contracts" (representing an update of the May 2023 New Project List), and (iv) an allowance for issuance expenses, capitalized interest (if any) and funding of reserves.

Section 5. The Project Costs to be reimbursed with the proceeds of the Project Debt Obligations will be "capital expenditures" in accordance with the meaning of Section 150 of the Code.

Section 6. No reimbursement allocation will employ an "abusive arbitrage device" under Treasury Regulations §1.148-10 to avoid the arbitrage restrictions or to avoid the restrictions under Sections 142 through 147, inclusive, of the Code. The proceeds of the Project Bonds, if any, used to reimburse the Commission for Project Costs, or funds corresponding to such amounts, will not be used in a manner that results in the creation of "replacement proceeds", including "sinking funds", "pledged funds" or funds subject to a "negative pledge" (as such terms are defined in Treasury Regulations §1.148-1), of the Project Debt Obligations or another issue of debt obligations of the Authority, other than amounts deposited into a "bona fide debt service fund" (as defined in Treasury Regulations §1.148-1).

Section 7. All reimbursement allocations will occur not later than 18 months after the later of (i) the date the expenditure from a source other than the Project Debt Obligations is paid, or (ii) the date the Project is "placed in service" (within the meaning of Treasury Regulations §1.150-2) or abandoned, but in no event more than 3 years after the expenditure is paid.

Section 8. This resolution shall take effect immediately.

RECORD OF COMMISSION VOTE ON FINAL PASSAGE

	AYE	NAY	ABSTAIN	ABSENT
SANCHEZ, R.	<u>X</u>	—	—	—
COTTON, R.	—	—	—	<u>X</u>
DEPADUA, C.	<u>X</u>	—	—	—
KOŁODZIEJ, J.	<u>X</u>	—	—	—
LEVINE, J.	<u>X</u>	—	—	—
VAN RENSALIER, R.	<u>X</u>	—	—	—
FRIEND, G.	<u>X</u>	—	—	—

Adopted at a meeting of Passaic Valley Water Commission.



President
GERALD FRIEND

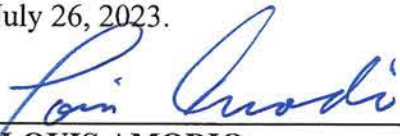


Secretary
RUBY N. COTTON

This Resolution, when adopted, must remain in the custody of the Administrative Secretary.

CERTIFICATION

I, LOUIS AMODIO, Administrative Secretary of the Passaic Valley Water Commission in the County of Passaic, and the State of New Jersey do hereby certify that the foregoing Resolution is a true copy thereof of the foregoing Resolution duly passed and adopted by a majority of a legal quorum of the full membership of the Passaic Valley Water Commission at its duly noticed and convened meeting of the said Commission on July 26, 2023.



LOUIS AMODIO
Administrative Secretary

Exhibit A

PASSAIC VALLEY WATER COMMISSION
2023-2024 BONDING FOR CURRENT CONTRACTS
UPDATED AS OF JULY 20, 2023

			\$ 144,280,293		\$ 78,286,545
Project	Description	Project Category for Capital Only	Total 2023-2028	Anticipated Useful Life	2023-2024
Replacement of Hydrants	Perform replacement of hydrants throughout the distribution system.	Construction	\$ 9,936,579	30	\$ 9,936,579
Fire Hydrants	Procure fire hydrants.	Procurement	\$ 20,717,503	30	\$ 6,567,461
Open Finished Water Reservoirs, Phase 1C-1: Water Transmission Main Improvement to the Industrial Loop - Advanced Work to Levine Tanks Contract	Advanced Work to the Construction of the Levine Tanks for Replacing Transmission Main Valves, Installation of Interconnection between 300 / 180 Gradients, Structural Liner of Inlet Line to Reservoir, Pressure Relief	Construction	\$ 6,199,555	100	\$ 6,199,555
PVWC Networking (Switches, SFPs, Accessories) - Supply Chain Delays	Procure PVWC networking switches SFPs accessories supply chain delays.	Procurement	\$ 6,200,000	20	\$ 6,000,000
Emergency Water Main Repairs	Conduct emergency repair services within distribution system.	Construction	\$ 11,379,107	50	\$ 3,608,514
Furnish and Install Valves, Hydrants, Curb Stops, Service Lines, Restoration	Replace valves, hydrants, curb stops, service lines and make water main improvements.	Construction	\$ 3,582,987	30	\$ 3,582,987
Water Meter Repair Pts & Appurtenances	Procure water meter repair parts and appurtenances.	Procurement	\$ 7,946,979	20	\$ 2,519,197
Iron Pipe	Procure iron pipe.	Procurement	\$ 6,660,747	100	\$ 2,111,461
Roadway Pavement Restoration	Perform roadway pavement restoration following routine maintenance and emergency repairs performed by PVWC Operations.	Construction	\$ 8,463,704	10	\$ 2,000,000
Hardware (HCI) for Communications (Wireless)	Procure hardware HCI for communications wireless.	Procurement	\$ 2,450,000	20	\$ 1,850,000
Furnish and Deliver Tapping Sleeves, Valves and Curb Boxes	Procure tapping sleeves, valves and curb boxes.	Procurement	\$ 5,733,444	50	\$ 1,817,505
Iron Pipe Fittings	Procure iron pipe fittings.	Procurement	\$ 4,706,357	100	\$ 1,491,918
Emergency Services - Installation of Structural Liner in Four (4) Pipe Crossings	Change Order No. 1 to make emergency repairs to Kearny multiples at the Passaic River Crossing for rehabilitation of four (4) pipe crossings with Primus structural liner.	Construction	\$ 1,250,000	50	\$ 1,250,000
Procure Brass Water Service Line Fittings	Procure brass water service line fittings.	Procurement	\$ 3,818,452	50	\$ 1,210,452
Furnish and Install Replacement Filter Media at the LFWTP	Replacement of lost filter media in filter bays from overexpansion of filter bed during backwashing process.	Construction	\$ 1,200,000	10	\$ 1,200,000
Implementation and Post Implementation of CMMS	Professional Services to Assist PVWC in Implementation and Post Implementation of a New CMMS System over three year period (2021-2024)	Project Management	\$ 1,038,304	10	\$ 1,038,304
Route 46/3 NJDOT Contract B - Class IV Structural Liner of 51" at Rt 46 Crossing	Construction of a Class IV Structural Liner Crossing Rt 46, Little Falls, 400 LF 16" CIP & 400 LF 51" Steel Transmission Main	Construction	\$ 1,000,000	100	\$ 1,000,000
Professional Engineering Services for PVWC Residuals Handling Upgrade	Perform design, permitting and construction administration of the upgrades to the residuals handling system at the LFWTP.	Project Management	\$ 1,500,000	50	\$ 1,000,000
Single Axle Dump Trucks for Distribution	Procure five (5) 2024 Kenworth Model T480 Single Axle Dump Trucks	Procurement	\$ 899,756	10	\$ 899,756

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Project	Description	Project Category for Capital Only	Total 2023-2028	Anticipated Useful Life	2023-2024
Procurement of Additional Hydra-Stop Equipment and Insertion Valves	Procure additional Hydra-Stop equipment for installing 12-inch insertion valves and procure 6, 8, and 12-inch insertion valves for Distribution Department for install their own insertion valves. All Hydra Stop equipment is proprietary.	Procurement	\$ 4,322,059	30	\$ 895,244
Fiber Optic Upgrade	Current project to replace OM1 Fiber with OS2 Fiber (on-going). Discuss with Mike Marotta to be done in-house. Allen Briteway - Electrical Contractor	Construction	\$ 1,050,000	30	\$ 850,000
UST Removal of Diesel Tank and AST Installation for Diesel and Gasoline, Waste Tank	Removal of Diesel Tank and Installation of Diesel, Gasoline, Waste Tank and Equipment	Construction	\$ 849,500	30	\$ 849,500
Water Service Boxes & Roadway Boxes	Procure water service boxes & roadway boxes.	Procurement	\$ 2,562,826	30	\$ 812,418
Procure Vehicles for Various Departments under NJ State Contract 17-FLEET-00241	Procure vehicles to replace nine (9) vehicles at the end of its useful life and seven (7) new vehicles to be used by new employees for a total of 16 new vehicles. These vehicles will be assigned to employees in the Distribution, EH&S, Engineering, IT and Maintenance Departments.	Procurement	\$ 775,490	10	\$ 775,490
Professional Services for FERC Regulatory Required Improvements to PVWC's Intake Canal Facilities and Interfacing with Project 15-P-41	Design improvements to the intake canal at the LFWTP.	Planning / Design	\$ 2,100,000	50	\$ 700,000
Open Finished Water Reservoirs, Phase 2: Professional Engineering Services for New Street Tanks	Professional Services for New Street Reservoir Water Storage and Pumping Facilities, Design, Permitting and Construction Administration	Planning / Design	\$ 1,843,760	100	\$ 643,760
Procure Three Service Vehicles and Three Dump Trucks to be Used by the Distribution and Maintenance Departments	Procure three (3) service vehicles and three (3) dump trucks for the Distribution and Maintenance Departments to replace existing vehicles at the end of its useful life.	Procurement	\$ 626,940	10	\$ 626,940
Valve Service Trucks for Distribution	Procure two (2) 2024 Kenworth Model T180 Valve Service Trucks	Procurement	\$ 626,487	10	\$ 626,487
Hardware (RTU) for Plant SCADA	Procure hardware RTU for Plant SCADA.	Procurement	\$ 1,045,000	20	\$ 625,000
Procure Box Trucks for Distribution	Procure four (4) 2024 Kenworth Model T380 Box Trucks	Procurement	\$ 569,900	10	\$ 569,900
Concrete Restoration	Perform concrete restoration following routine maintenance and emergency repairs performed by PVWC Operations.	Construction	\$ 1,797,157	10	\$ 569,700
Replacement of Hydrants	Change Order No. 1 to assist the Commission with performing advanced investigation of each job site to verify work and ability to isolate work area.	Construction	\$ 554,430	30	\$ 554,430
Hardware (Laptops - Pandemic or Remote Work) for Communications (Wireless)	Procure hardware laptops pandemic or remote work for communications wireless.	Procurement	\$ 550,000	10	\$ 550,000
Security Hardware Upgrades for Security system upgrade	Procure security hardware upgrades for security system upgrade.	Procurement	\$ 550,000	20	\$ 550,000

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			\$ 144,280,293		\$ 78,286,545
Project	Description	Project Category for Capital Only	Total 2023-2028	Anticipated Useful Life	2023-2024
Replacement of ActiFlo Feeders in Siemens Contract 19-B-15	Perform electrical upgrades for the replacement of the ActiFlo feeders.	Construction	\$ 500,000	50	\$ 500,000
Vehicle Outfitting for Fleet Vehicles	Procure vehicle outfitting for fleet vehicles.	Procurement	\$ 750,000	10	\$ 500,000
Procure Heavy Haulers for Distribution	Procure two (2) 2025 Kenworth Equipment Haulers, Model T480 for the Distribution Department to allow crews to be able to transport pipes, valves and fittings to jobs.	Procurement	\$ 491,361	10	\$ 491,361
Tri Axle Dump Trucks for Distribution	Procure two (2) 2024 Kenworth Model T880 Tri Axle Dump Trucks	Procurement	\$ 485,945	10	\$ 485,945
Repair Clamps, Tapping Sleeves and Couplings	Procure repair clamps tapping sleeves and couplings.	Procurement	\$ 1,509,983	50	\$ 478,666
Cellular Coverage Enhancement	Install antennas, cables and equipment to enhance Verizon and AT&T First Net Cellular Coverage throughout the LFWTP.	Construction	\$ 450,680	20	\$ 450,680
Rehabilitation of the Main Pump Station, Superintendent's Building & Jackson Ave PS	Rehabilitation of the Main Pump Station, Superintendent's Building / Garage & Jackson Ave PS including lead abatement.	Construction	\$ 450,000	50	\$ 450,000
Engineering Services to Survey, Design, Develop Bidding Documents, Perform Construction Administration and Management Services for the Rehabilitation or Upgrade of Water Treatment Processes at the Little Falls Water Treatment Plant	Perform design for rehabilitation or upgrade of water treatment processes at the LFWTP.	Planning / Design	\$ 1,200,000	30	\$ 400,000
Engineering Services to Survey, Design, Develop Bidding Documents, Perform Construction Administration and Management Services for the Rehabilitation or Upgrade of Water Treatment Processes at the Little Falls Water Treatment Plant	Perform design for rehabilitation or upgrade of water treatment processes at the LFWTP.	Planning / Design	\$ 1,200,000	30	\$ 400,000
Disaster Recovery for Communications (Wireless)	Procure disaster recovery for communications wireless – strengthen Commission’s network and backup solution for disaster recovery for the wireless communications systems.	Procurement	\$ 1,200,000	20	\$ 400,000
Disaster Recovery for Plant SCADA	Procure disaster recovery for Plant SCADA – strengthen Commission’s network and backup solution for disaster recovery for the Plant SCADA system.	Procurement	\$ 1,200,000	20	\$ 400,000
Change Order No. 1 for Contract No. 22-B-10, "Roadway Pavement Restoration"	Perform outstanding roadway restoration throughout PVWC's service areas and perform restoration for new work for three months until new roadway restoration contract is awarded and executed.	Construction	\$ 367,675	10	\$ 367,675
Professional Services for Building MEP (Mechanical, Electrical, Plumbing) and Fire Protection Systems for the HVAC Upgrades Project at PVWC Clifton Buildings	Change Order No. 1 to design HVAC Upgrades for PVWC Clifton Buildings.	Planning / Design	\$ 360,000	30	\$ 360,000

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Project	Description	Project Category for Capital Only	Total 2023-2028	Anticipated Useful Life	2023-2024
Networking (Switches, SFPs, Accessories) - Supply Chain Delays for Remote SCADA	Procure networking switches SFPs accessories supply chain delays for Remote SCADA.	Procurement	\$ 350,000	20	\$ 350,000
Networking (Switches, SFPs, Accessories) for Plant SCADA	Procure networking switches SFPs accessories for Plant SCADA.	Procurement	\$ 350,000	20	\$ 350,000
CASE 590SN Backhoe Loaders	Procure two (2) CASE 590SN Backhoe Loaders to replace three excavators that are at end of its useful life.	Procurement	\$ 337,746	10	\$ 337,746
Hardware (RTU) for Remote SCADA	Procure hardware RTU for Remote SCADA.	Procurement	\$ 300,000	20	\$ 300,000
Engineering Services for a Feasibility Study and Design of a New Finished Water Auxiliary Pump Station	Scope has been modified to produce a Master Facility Plan for the LFWTP which will include prioritizing needed capital projects and reevaluating low priority projects.	Planning / Design	\$ 300,000	100	\$ 300,000
Perform Project Management for the Implementation and Post Implementation of CMMS	Professional Services to Assist PVWC in Implementation and Post Implementation of a New CMMS System over three year period (2021-2024)	Project Management	\$ 290,000	10	\$ 290,000
Parking Lot Modifications at the PVWC Clifton Administration Building	Construct modifications to the visitor parking area to create an additional 25 parking spaces for Commission work vehicles at the Clifton Administration Building. Approval for \$250k (22-109).	Construction	\$ 259,018	50	\$ 259,018
Hardware (PCs) for Communications (Wireless)	Procure hardware PCs for communications wireless.	Procurement	\$ 250,000	20	\$ 250,000
Five Cargo Vans	Procure five (5) cargo vans for the Distribution Department to replace existing vehicles at the end of its useful life.	Procurement	\$ 249,925	10	\$ 249,925
Hardware (Instrumentation) for Plant SCADA	Procure hardware instrumentation for Plant SCADA.	Procurement	\$ 440,000	20	\$ 220,000
Hardware (Instrumentation) for Remote SCADA	Procure hardware instrumentation for Remote SCADA.	Procurement	\$ 660,000	20	\$ 220,000
Construction Supervisors Building at the LFWTP	Procure construction supervisors building at the lfwtp.	Construction	\$ 210,000	50	\$ 210,000
Compact Excavators	Procure two (2) Bobcat E60 Compact Excavators with accessories will replace a 1997 John Deere Loader and two 1999 Case Loaders that are at the end of its useful life.	Procurement	\$ 204,052	10	\$ 204,052
Open Finished Water Reservoirs, Phase 1C-1: Construction Administration for Advanced Work to Levine Tanks Contract (Postponed Design for 6th Ave Main Replacement - Reissue)	Perform construction administration and management for Contract No. 22 B-7, Advanced Work for Industrial Loop Project.	Project Management	\$ 200,000	100	\$ 200,000
Renovations to Distribution Supervisor & Restrooms	Perform renovations to the Distribution Supervisor's Area and Restrooms.	Construction	\$ 200,000	50	\$ 200,000
Hot Mix Asphalt	Procure hot mix asphalt.	Procurement	\$ 563,765	10	\$ 178,714
Miscellaneous Professional Architectural Services for PVWC's Facilities	Extend contract until December 31, 2023. Design rehabilitation of the floor slab at the Main Pump Station.	Planning / Design	\$ 175,000	50	\$ 175,000

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			\$ 144,280,293		\$ 78,286,545
Project	Description	Project Category for Capital Only	Total 2023-2028	Anticipated Useful Life	2023-2024
Furnish and Install Telephone System, Hardware and Software Updates - Servers, PBX, Switches, Phones for Upgrade Telephone Equipment - NEC	Procure furnish and install telephone system hardware and software updates servers PBX switches and phones for upgrade of NEC telephone equipment.	Construction	\$ 295,000	20	\$ 175,000
Professional Services for Conducting a Systemwide Security and Vulnerability Risk Assessment on PVWC Infrastructure	Perform a systemwide security and vulnerability risk assessment on all PVWC infrastructure. This contract will determine capital improvements required to protect PVWC's facilities	Planning / Design	\$ 480,000	50	\$ 160,000
Open Finished Water Reservoirs, Phase 2: Professional Engineering Services for New Street Tanks	Change Order No. 1 - cover out-of-scope work which includes assisting the PVWC with the development of the Reservoir Management Plan as required by the NJDEP and conducting feasibility studies for the continued utilization of the Great Notch Reservoir property for storage and for the evaluation of additional alternative storage options within PVWC's distribution system.	Planning / Design	\$ 157,000	100	\$ 157,000
Open Finished Water Reservoirs, Phase 2: Professional Engineering Services for New Street Tanks	Change Order No. 2 - cover out-of-scope work for re-evaluating optimum tank storage requirements within PVWC's distribution system based on the loss of critical assets using hydraulic modeling.	Planning / Design	\$ 156,730	100	\$ 156,730
Professional Services for Building MEP (Mechanical, Electrical, Plumbing) and Fire Protection Systems	Design HVAC Upgrades for PVWC Clifton Buildings.	Planning / Design	\$ 450,000	30	\$ 150,000
Discharge Piping Modifications for Hydrocyclone System	Modifications to discharge piping for the hydrocyclone system for the Actiflo clarification process.	Construction	\$ 135,000	20	\$ 135,000
Procure One Flatbed Truck for Distribution Department	Procure one (1) 2025 Kenworth Model T480 Flatbed Truck for the Distribution Department to allow crews to be able to transport pipes, valves and fittings to jobs. This flatbed truck will replace Truck 98, which is over 25 years old.	Procurement	\$ 134,985	10	\$ 134,985
Miscellaneous Inspections and Other Regulatory Compliance Issues for PVWC's Reservoir Dams	Extend contract until December 31, 2023. Perform dam inspections, update emergency action plans, design repairs based on inspection reports.	Planning / Design	\$ 125,000	50	\$ 125,000
Professional Engineering Services for Filtration System Problems, Filter Assessments, and Related Matters	Extend contract until December 31, 2023. Design of valve replacement in Filter Building at the LFWTP.	Planning / Design	\$ 125,000	30	\$ 125,000
Change Order No. 1 and Contract Extension for Contract No. 22-B-7 Entitled "Water Transmission Main Improvements to the Industrial Loop"	Change Order No. 1 to cover for unexpected removal of 6-inches thick of concrete subbase under 21st Avenue (local road), additional test pitting used to investigate unknown subsurface conditions and for removal and stockpiling of abandoned PSE&G gas mains on 21st Avenue that is obstructing the work area.	Construction	\$ 122,176	100	\$ 122,176

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Disaster Recovery for Remote SCADA	Procure disaster recovery for Remote SCADA. Strengthen Commission's network and backup solution for disaster recovery for the Remote SCADA system	Procurement	\$ 364,414	20	\$ 101,500
Change Order No. 1 for Project No. 16-P-62, "Professional Architectural Services for Rehabilitation of Two PVWC Buildings in the Great Falls National Park"	Perform construction administration of Contract No. 23-B-06, Architectural Rehabilitation of PVWC's Gate House and Pump House, Great Falls Grounds at Maple Avenue, City of Paterson.	Project Management	\$ 100,000	50	\$ 100,000
Hardware (Accessories, Misc.) for Communications (Wireless)	Procure hardware accessories misc for communications wireless.	Procurement	\$ 300,000	20	\$ 100,000
Professional Services for Electrical Facilities and Operations Issues and Related Services	Extend contract until December 31, 2023. Oversee the ongoing Emergency Generator contract, design various electrical upgrades at LFWTP and review technical specifications and drawings for the Residuals Contract.	Planning / Design	\$ 90,000	50	\$ 90,000
Procure Pickup Trucks for Engineering Department Inspector's Group	Procure two (2) pick up trucks under the ESCNJ Cooperative for use by the Engineering Department to allow Deparement to expand their inspection operations	Procurement	\$ 86,049	10	\$ 86,049
CMMS Software License for First Year	Procure software license for CMMS Software	Procurement	\$ 78,000	10	\$ 78,000
Miscellaneous Professional Architectural Services for PVWC's Facilities	Extend contract until December 31, 2023. Design roof replacement for various structures at LFWTP and Clifton.	Planning / Design	\$ 70,000	30	\$ 70,000
Procure Cargo Vans for Distrubution Department	Procure two (2) cargo vans under the ESCNJ Cooperative for use by the Distribution Deparment for to expand meter operations and shut-offs.	Procurement	\$ 69,421	10	\$ 69,421
Document Management Solution - Digitization of archived clerk records under the ESCNJ Document Management Cooperative.	Digitize and restore damaged paper files in PVWC's archived clerk records.	Construction	\$ 65,812	50	\$ 65,812
Professional Engineering Services for Structural and Related Issues	Extend contract until December 31, 2023. Structural engineering services for large projects at the LFWTP.	Project Management	\$ 60,000	50	\$ 60,000
Furnish GPS Fleet Tracking including Maintenance for Fleet Vehicles	Procure GPS fleet tracking including maintenance for fleet vehicles.	Procurement	\$ 120,000	10	\$ 60,000
Hardware (Misc.) for Plant SCADA	Procure hardware misc for Plant SCADA.	Procurement	\$ 120,000	20	\$ 60,000
Hardware (Misc.) for Remote SCADA	Procure hardware misc for Remote SCADA.	Procurement	\$ 180,000	20	\$ 60,000
Miscellaneous Professional Architectural Services for PVWC's Facilities	Extend contract until December 31, 2023. Perform modification of floor plan layout of PVWC's office space and oversee the Parking Lot Expansion Project at the Clifton Administration Building.	Project Management	\$ 55,000	50	\$ 55,000
Updates, Upgrades and Add. S.O.W. for CIS	Install updates, upgrades and add SOW for CIS.	Construction	\$ 50,000	10	\$ 50,000

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Re-Model Operator's Locker Room at the LFWTP	Perform remodeling of the operator's locker room at the Plant.	Construction	\$ 50,000	50	\$ 50,000
Renovations to Distribution / Customer Service Building	Perform renovations to the Distribution (future IT) and Customer Service Areas.	Construction	\$ 50,000	50	\$ 50,000
Developing Bidding Documents for Removal of UST and Installation of ASTs at the PVWC Clifton Facility	Removal of diesel underground storage tank and installation of diesel and gasoline aboveground storage tanks, containment and fuel dispensing system at Clifton Yard.	Project Management	\$ 40,380	30	\$ 40,380
Furnish and Install New Prefabricated Building for Storage at Point View	Procure furnish and install new prefabricated building for storage at point view.	Construction	\$ 40,000	50	\$ 40,000
Resolution for Budget Amendment, Change Order No. 1 and Contract Extension for Project No. 22-Q-12, "Professional Engineering Services for Corrosion Control and Microbiological Treatment" with Hazen and Sawyer	Continue building infrastructure for Dashboard Management System until new contract is in place.	Planning / Design	\$ 50,000	30	\$ 50,000
Mass Meter Change Interface and Discovery for Integration with Lucy	Change Order No. 1 to support integration of the Commission's existing ESRI GIS and Advanced CIS with the proposed Lucy CMMS and support the City of Garfield's water meter upgrade program for creating a mass meter change interface in CIS.	Planning / Design	\$ 25,650	10	\$ 25,650
Professional Architectural Services for Rehabilitation of Two PVWC Buildings in the Great Falls National Park		Planning / Design	\$ 22,500	50	\$ 22,500

Exhibit B

PASSAIC VALLEY WATER COMMISSION
2023-2024 BONDING FOR NEW CONTRACTS
UPDATED AS OF JULY 20, 2023

			\$ 88,503,900		\$ 39,070,567
Project	Description	Project Category for Capital Only	Total 2023-2028	Anticipated Useful Life	2023-2024
PVWC Residuals Handling Upgrade	Construction of a new thickener tanks and pumping station for handling water treatment residuals.	Construction	\$ 27,500,000	50	\$ 12,500,000
Water Main Replacement - Main System	Misc Projects - Main System, Replacement of about 10,000 LF and T&M for Special Projects	Construction	\$ 5,750,000	100	\$ 3,250,000
Architectural Rehabilitation of PVWC's Gate House and Pump House Great Falls Grounds at Maple Avenue, City of Paterson, New Jersey	Perform a historic rehabilitation of the two (2) PVWC buildings at the Great Falls National Park.	Construction	\$ 2,124,400	50	\$ 2,124,400
HVAC Replacement at PVWC Clifton Facility for Distribution / Customer Service Building	PVWC may receive partial funding under the PSE&G Energy Efficiency Program.	Construction	\$ 1,950,000	30	\$ 1,950,000
Auditorium/Purification Stair Enclosure	Rehab of Outside Staircase, HVAC, Lighting	Construction	\$ 1,750,000	30	\$ 1,750,000
Engineering Services for Construction Administration and Construction Management for New Residuals Handling Facility at PVWC's Little Falls Water Treatment Plant	Perform construction administration and management services for the construction of the new residuals handling facility and demolition of the existing facility.	Project Management	\$ 5,075,000	50	\$ 1,741,667
HVAC Replacement at PVWC Clifton Facility for Administration Building	PVWC may receive partial funding under the PSE&G Energy Efficiency Program.	Construction	\$ 1,650,000	30	\$ 1,650,000
Professional Services for Data Center Feasibility & Design	Perform feasibility study and design for a new data center.	Planning / Design	\$ 1,000,000	30	\$ 1,000,000
Filter Valve & Actuator Replacement	Replace valves, actuators, instrumentation and controls in the Filter Buidling.	Construction	\$ 10,000,000	30	\$ 1,000,000
Rebuild MCC Pumps and Transfer No. 3 Pump and Motors at the MPS	Budgeted \$100k/yr under the "Emergency Pump and Motor Rehab for MPS" item. MCC and Transfer Pumps are underperforming and need to be rebuilt.	Construction	\$ 800,000	30	\$ 800,000
Hardware (HCI) for Remote SCADA	Procure hardware HCI for Remote SCADA.	Procurement	\$ 750,000	20	\$ 750,000
Replacement of Lamella Panels in Clarifiers	Replacement of Lamella Panels and structural supports in ActiFlo Clarification System.	Construction	\$ 1,000,000	20	\$ 1,000,000.00
Hardware (HCI) for Plant SCADA	Procure hardware HCI for Plant SCADA.	Procurement	\$ 1,350,000	20	\$ 750,000
Repair & Re-Paint Pipe Great Falls Arch Bridge	Procure repair & re paint pipe Great Falls arch bridge.	Construction	\$ 1,200,000	20	\$ 600,000
Replacement of Settler Tubes	Replacement of settler tubes within the Tube Settler Building.	Construction	\$ 500,000	20	\$ 500,000
Security, Risk & Resilience Assessment for IT	Conduct security risk & resilience assessment for IT and procure and install equipment to enhance security.	Construction	\$ 1,000,000	30	\$ 500,000
Roof Rehabilitation at Various PVWC Facilities	Roof Replacement at various locations within the LFWTP & Clifton	Construction	\$ 2,000,000	20	\$ 500,000
Shared Service Agreement with Woodland Park: Water Main Installation & Interconnection with Woodland Park	Construction of new 16-inch Interconnection at Rifle Camp Rd and Mountain Ave and looping dead end mains in Woodland Park's system from Cassom Ln to Garrett Mountain Plaza, Water Main Replacement on Woodland Park streets and transfer to Woodland Park system	Construction	\$ 2,000,000	100	\$ 500,000
Document Management Solution	File Bank, Sharing and OCR.	Construction	\$ 4,000,000	50	\$ 500,000

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Professional Services for Development of an Enterprise Dashboard Management System	Continued development of a Dashboard Management System for all PVWC Departments.	Planning / Design	\$ 500,000	30	\$ 500,000
UPS Upgrade Solution at the Plant	Install a more robust UPS solution for many data closets and RTUs. Remove small isolated UPS units and replace them with central UPS units, streamlining maintenance and generator power	Construction	\$ 1,200,000	20	\$ 400,000
Security Enhancements at Various PVWC Facilities	Install enhancements to physical security at various PVWC facilities.	Construction	\$ 600,000	30	\$ 350,000
Needs Assessment for Finance Department to Procure and Implement a Financial Management Software - replace HTE/Naviline		Planning / Design	\$ 315,000	10	\$ 315,000
Professional Services for the Replacement of the Kearny Multiples	Professional Services for conducting feasibility study of new river crossing and performing design. Received approval from Board to solicit bids for this project.	Planning / Design	\$ 300,000	100	\$ 300,000
Main Pump Station Discharge Valves	Replace control valves on the pump discharge at the Main Pump Station.	Construction	\$ 600,000	30	\$ 300,000
Professional Services for Electrical Facilities and Operations Issues and Related Services	New On-Call Contract: Emergency Generator, Electrical Upgrades at LFWTP, Residuals, As-builts of remote facilities	Planning / Design	\$ 250,000	50	\$ 250,000
Professional Services for the Replacement of Filter Valves and Instrumentation and Controls at the LFWTP	New Project has received Board approval: Design of valve replacement, instrumentation and controls in Filter Building	Planning / Design	\$ 250,000	30	\$ 250,000
Implement parallel system to mitigate catastrophic failure of AS400 pending pemanent replacement		Construction	\$ 250,000	10	\$ 250,000
Great Notch Dam Rehabilitation	Construction Great Notch Dam repairs based on the dam inspection report.	Construction	\$ 500,000	30	\$ 250,000
Replacement of Ball Valves on Discharge of Wanaque and Verona Pumps at the Main Pump Station	Replacement of seven (7) valves in the Main Pump Station. Assume one replacement per month, work force of 5 at double time, base pay per employee \$300/hour includes equipment, OH&P, add \$2500 for mob/demob per valve, 18 hours per day per valve	Construction	\$ 500,000	30	\$ 250,000
Main Pump Station Rehab. P.S. floor	Perform rehabilitation of the Main Pump Station floor.	Construction	\$ 1,000,000	50	\$ 250,000
Upgrade of ActiFlo Switchboard with Tie Breaker	Perform electrical upgrades for the replacement of the ActiFlo switchboard with tie breaker.	Construction	\$ 1,000,000	50	\$ 250,000
Procure and implement permanent replacement for HTE/Naviline system (CCE scaled from CMMS: 25% x CMMS roughly)		Construction	\$ 1,500,000	10	\$ 250,000
Miscellaneous Inspections and Other Regulatory Compliance Issues for PVWC's Reservoir Dams	New On-Call Contract: Perform inspections on PVWC's dams, update Emergency Action Plan for each dam, design repairs based on dam inspections.	Planning / Design	\$ 225,000	50	\$ 225,000

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Furnish & Install One Additional Sulfuric Acid Tank, Telemetry, I&C	Installation of one additional sulfuric acid tank, instrumentation and controls for pH control.	Construction	\$ 300,000	30	\$ 300,000
Miscellaneous Professional Architectural Services for PVWC's Facilities	New On-Call Contract: Roof replacement at LFWTP and Clifton, PS floor rehab, Boiler House stabilization	Planning / Design	\$ 150,000	30	\$ 150,000
Cargo Vans	Procure three (3) cargo vans	Procurement	\$ 150,000	10	\$ 150,000
Construction Management Services for the Replacement of Filter Valves and Instrumentation and Controls at the LFWTP	Perform construction administration and management for the replacement of filter valves, instrumentation and controls in the Filter Building.	Project Management	\$ 5,400,000	30	\$ 150,000
Miscellaneous Professional Architectural Services for PVWC's Facilities	New On-Call Contract: Coordinate work with ATI with HVAC contract, Administration, Customer Service / IT, Floor Plan Layout	Planning / Design	\$ 100,000	20	\$ 100,000
Pickups	Procure two (2) pickups	Procurement	\$ 100,000	10	\$ 100,000
Replacement of Lime House Substation - tied to Residuals Contract	Perform electrical upgrades for the replacement of the Lime House substation.	Construction	\$ 1,000,000	50	\$ 100,000
Professional Engineering Services for Filtration System Problems, Filter Assessments, and Related Matters	New On-Call Contract for conducting filter assessments. Water Services to evaluate filter operations and determine improvements to be made to optimize filtration operations.	Planning / Design	\$ 80,000	30	\$ 80,000
Professional Engineering Services for Structural and Related Issues	New On-Call Contract for performing structural engineering support services for large scale projects at the LFWTP	Project Management	\$ 75,000	50	\$ 75,000
Renovations to Clifton Administration Building	Perform renovations to the Clifton Administration Building based on modified floor plan layout.	Construction	\$ 500,000	50	\$ 50,000
Demolition and Reconstruction of Pilot Plant Building at the LFWTP	Procure demolition and reconstruction of pilot plant building at the lfwtpt.	Construction	\$ 225,000	50	\$ 25,000
Professional Engineering Services for Structural and Related Issues	New On-Call Contract: Perform structural engineering services	Planning / Design	\$ 17,500	50	\$ 17,500
Professional Engineering Services for Filtration System Problems, Filter Assessments, and Related Matters	New On-Call Contract: Preliminary assessment on filters - April to July 2023. Water Services to evaluate filter operations and determine improvements to be made to optimize filtration operations.	Planning / Design	\$ 17,000	30	\$ 17,000