

**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**

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 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.

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

Section 4. 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 5. 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

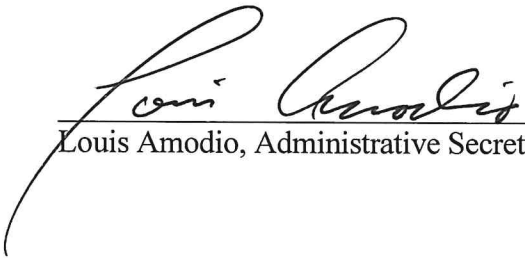
Treasury Regulations §1.148-1), of the Project Debt Obligations or another issue of debt obligations of the Authority, other than amounts deposited into a “bona fide debt service fund” (as defined in Treasury Regulations §1.148-1).

Section 6. 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 7. This resolution shall take effect immediately.

<u>Recorded Vote</u>				
<u>Commissioner (Municipality)</u>	<u>AYE</u>	<u>NO</u>	<u>ABST</u>	<u>ABSENT</u>
Gerald Friend (Clifton)	x			
Jeffrey Levine (Paterson)	x			
Rigoberto Sanchez (Passaic)	x			
Ruby N. Cotton (Paterson)	x			
Carmen Depadua (Paterson)	x			
Joseph Kolodziej (Clifton)	x			
Ronald Van Rensalier (Passaic)				x

The foregoing is a true copy of a resolution adopted by the Passaic Valley Water Commission on May 24, 2023.



Louis Amodio, Administrative Secretary

Exhibit A



**Passaic Valley
Water Commission**

PVWC Short-term Debt Needs 2023-2024 Capital Cashflow Forecast

May 18, 2023

Ongoing Capital Projects – NJEIT (I-Bank) Funded

Ongoing Capital Project Cashflow – NJEIT Funded

					\$ 775,749,314	5 \$ 28,655,594	
Project	Description	Contract No.	Candidate for i-Bank Funding	Est Funds Required 2023 Q2	Total 2023-2028	Funding Source	2023-2024
Lead Service Replacements	LSLRs following Test Pitting Operations in Main System (NJ Water Bank)	22-B-08	Active i-Bank Loan	\$ 2,837,110	\$ 25,533,993	NJEIT	\$ 17,022,662
Open Finished Water Reservoirs, Phase 1B: Emergency Backup Power at the LFWTP	Construction of the Emergency Backup Generator Facility at the LFTWP	15-B-25	Active i-Bank Loan	\$ 1,666,667	\$ 5,000,000	NJEIT	\$ 5,000,000
Lead Service Replacements	Project Management and Construction Management Services	22-P-81	Active i-Bank Loan	\$ 777,778	\$ 6,999,999	NJEIT	\$ 4,666,666
Open Finished Water Reservoirs, Phase 1B: Professional Engineering	Design and Construction Administration Services for Emergency Backup Power at	12-P-43	Active i-Bank Loan	\$ 572,089	\$ 1,716,266	NJEIT	\$ 1,716,266
Professional Engineering Construction Phase Services for Lead Service Line Replacement	Perform construction administration and management for Contract No. 20-B-15, Subsurface Exploratory Investigation for	20-P-80	Active i-Bank Loan	\$ 83,333	\$ 250,000	NJEIT	\$ 250,000

New Capital Projects – NJEIT (I-Bank) Funding Anticipated

New Capital Projects Cashtflow – 2023-24 NJEIT Funding Anticipated

					\$ 775,749,314	2 \$ 21,687,500	
Project	Description	Contract No.	Candidate for i-Bank Funding	Est Funds Required 2023 Q2	Total 2023-2028	Funding Source	2023-2024
Open Finished Water Reservoirs, Phase 1C-2: Construction of the Levine Tanks	Construction of the Levine Tanks	23-B-01	WIP		\$ 36,000,000	NJEIT	\$ 19,500,000
Open Finished Water Reservoirs, Phase 1C-2: Construction Administration & Management for Construction of the Levine Tanks	Construction Administration & Management for the Levine Reservoir Project	23-P-81	WIP		\$ 3,937,500	NJEIT	\$ 2,187,500

Ongoing Capital Projects – Bond Funding Required

Ongoing Capital Project Cashflow – 2023-24 Bonding Required

					\$ 775,749,314	95	\$ 73,865,094
Project	Description	Contract No.	Candidate for i-Bank Funding	Est Funds Required 2023 Q2	Total 2023-2028	Funding Source	2023-2024
Replacement of Hydrants	Annual replacement of hydrants (includes	22-B-16	No	\$ 1,656,096	\$ 9,936,579	Bond	\$ 9,936,579
Replace Hydrants		22-V-05	No	\$ 1,094,577	\$ 6,567,461	Bond	\$ 6,567,461
Open Finished Water Reservoirs, Phase 1C-1: Water Transmission Main Improvement to the Industrial Loop -	Advanced Work to the Construction of the Levine Tanks for Replacing Transmission Main Valves, Installation of Interconnection	22-B-07	No	\$ 1,549,889	\$ 6,199,555	Bond	\$ 6,199,555
VWC Networking (Switches, SFPs, Accessories) - Supply Chain Delays			No	\$ 1,500,000	\$ 6,200,000	Bond	\$ 6,000,000
Emergency Services	Emergency Water Main Repairs	22-B-14	No	\$ 601,419	\$ 11,379,107	Bond	\$ 3,608,514
Remove and Install Valves, Hydrants,	Annual (includes plant)	20-B-38	No	\$ 1,194,329	\$ 3,582,987	Bond	\$ 3,582,987
Water Meter Repair Pts & Appurtenances		21-B-21	No	\$ 419,866	\$ 2,519,197	Bond	\$ 2,519,197
on Pipe		22-V-07	No	\$ 351,910	\$ 2,111,461	Bond	\$ 2,111,461
Hardware (HCI) for Communications (Wireless)			No	\$ 33,333	\$ 2,450,000	Bond	\$ 1,850,000

Ongoing Capital Project Cashflow – 2023-24 Bonding Required (Continued)

					\$ 775,749,314	95	\$ 73,865,094
Project	Description	Contract No.	Candidate for i-Bank Funding	Est Funds Required 2023 Q2	Total 2023-2028	Funding Source	2023-2024
Restoration Work Following Routine Maintenance & Emergency Repairs on PVWC Operations	Road Restoration	22-B-10	No	\$ 239,729	\$ 4,537,455	Bond	\$ 1,438,376
Emergency Services	Change Order No. 1 - make emergency repairs to Kearny multiples at the Passaic River Crossing; rehabilitate 3 crossings	22-B-14	No	\$ 1,250,000	\$ 1,250,000	Bond	\$ 1,250,000
Pass Water Service Line Fittings	Award Contract No. 23-V-01, "Brass Water Service Line Fittings" responsible, responsive bidder. This contract will provide Goods and Services for furnishing and delivering brass water service line fittings to be used by the Distribution Department. There were three (3) bidders with the low bid of \$605,225.80.	23-V-01	No	\$ 201,742	\$ 1,210,452	Bond	\$ 1,210,452
Maintenance of Capital Equipment, Misc	Misc. Upgrades		No	\$ 193,333	\$ 3,751,678	Bond	\$ 1,177,400
Box Trucks for Distribution	Procure four (4) 2024 Kenworth Model T380 Box Trucks	Sourcewell Contract # 060920-KTC	No	\$ 189,967	\$ 1,069,900	Bond	\$ 1,069,900
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)	20-C-1	No	\$ 173,051	\$ 1,038,304	Bond	\$ 1,038,304
Furnish and Deliver Tapping Sleeves, Valves and Curb Boxes		21-B-23	No	\$ 166,804	\$ 1,000,823	Bond	\$ 1,000,823
Single Axle Dump Trucks for Distribution	Procure five (5) 2024 Kenworth Model T480 Single Axle Dump Trucks	Sourcewell Contract # 060920-KTC	No	\$ 299,919	\$ 899,756	Bond	\$ 899,756
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		No	\$ 266,667	\$ 1,050,000	Bond	\$ 850,000
Water Service Boxes & Roadway Boxes		22-V-06	No	\$ 135,403	\$ 812,418	Bond	\$ 812,418
Vehicles for Various Departments under NJ State Contract 17-FLEET-0241	Procurement of 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.		No	\$ 258,497	\$ 775,490	Bond	\$ 775,490
Professional Services for Intake Canal Rehab	Hydro-Turbine Generators & Intake Improvements	20-P-91	No	\$ 66,667	\$ 2,100,000	Bond	\$ 700,000

Ingoing Capital Project Cashflow – 2023-24 Bonding Required (Continued)

					\$ 775,749,314	95	\$ 73,865,094
Project	Description	Contract No.	Candidate for i-Bank Funding	Est Funds Required 2023 Q2	Total 2023-2028	Funding Source	2023-2024
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	16-P-64	No	\$ 147,920	\$ 1,843,760	Bond	\$ 643,760
Three Service Vehicles and Three Dump Trucks to be Used by the Distribution and Maintenance Departments	Procurement of 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.	New Jersey State Contract No. 17-FLEET-00241	No	\$ 208,980	\$ 626,940	Bond	\$ 626,940
Three Service Trucks for Distribution	Procure two (2) 2024 Kenworth Model T180 Valve Service Trucks	Sourcewell Contract # 060920-KTC	No	\$ 208,829	\$ 626,487	Bond	\$ 626,487
Hardware (RTU) for Plant SCADA			No	\$ 141,667	\$ 1,045,000	Bond	\$ 625,000
Restoration Work Following Routine Maintenance & Emergency Repairs on PVWC Operations	Concrete Restoration	22-B-11	No	\$ 94,950	\$ 1,797,157	Bond	\$ 569,700
Security Hardware Upgrades for Security system upgrade			No	\$ 91,667	\$ 550,000	Bond	\$ 550,000
Hardware (Laptops - Pandemic or Remote Work) for Communications (Wireless)			No	\$ 100,000	\$ 550,000	Bond	\$ 550,000
Professional Services for Conducting Condition Assessments on PVWC's Water Mains		22-Q-08	No	\$ 83,333	\$ 1,500,000	Bond	\$ 500,000
Professional Services for Conducting Condition Assessments on PVWC's Water Mains		22-Q-08	No	\$ 83,333	\$ 1,500,000	Bond	\$ 500,000
Vehicle Outfitting for Fleet Vehicles			No	\$ 83,333	\$ 750,000	Bond	\$ 500,000
Tri Axle Dump Trucks for Distribution	Procure two (2) 2024 Kenworth Model T880 Tri Axle Dump Trucks	Sourcewell Contract # 060920-KTC	No	\$ 161,982	\$ 485,945	Bond	\$ 485,945
Repair Clamps, Tapping Sleeves and Couplings		22-V-08	No	\$ 79,778	\$ 478,666	Bond	\$ 478,666
Cellular Coverage Enhancement	Installation of antennas, cables and equipment to enhance Verizon and AT&T First Net Cellular Coverage In multiple buildings at the LFWTP.		No	\$ 150,227	\$ 450,680	Bond	\$ 450,680
Main Pump Station, White House & Jackson Ave PS	Rehabilitation Construction Project	19-B-22	No	\$ 150,000	\$ 450,000	Bond	\$ 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		22-Q-06	No	\$ 66,667	\$ 1,200,000	Bond	\$ 400,000

Ongoing Capital Project Cashflow – 2023-24 Bonding Required (Continued)

					\$ 775,749,314	95	\$ 73,865,094
Project	Description	Contract No.	Candidate for i-Bank Funding	Est Funds Required 2023 Q2	Total 2023-2028	Funding Source	2023-2024
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		22-Q-06	No	\$ 66,667	\$ 1,200,000	Bond	\$ 400,000
Engineering Services to Survey, Design, Develop Bidding Documents, Perform Construction Administration and Management Services for Water Main Replacement Projects		22-Q-05	No	\$ 66,667	\$ 1,200,000	Bond	\$ 400,000
Engineering Services to Survey, Design, Develop Bidding Documents, Perform Construction Administration and Management Services for Water Main Replacement Projects		22-Q-05	No	\$ 66,667	\$ 1,200,000	Bond	\$ 400,000
Engineering Services to Survey, Design, Develop Bidding Documents, Perform Construction Administration and Management Services for Water Main Replacement Projects		22-Q-05	No	\$ 66,667	\$ 1,200,000	Bond	\$ 400,000
Engineering Services to Survey, Design, Develop Bidding Documents, Perform Construction Administration and Management Services for Water Main Replacement Projects		22-Q-05	No	\$ 66,667	\$ 1,200,000	Bond	\$ 400,000
Disaster Recovery for Plant SCADA			No	\$ 66,667	\$ 1,200,000	Bond	\$ 400,000
Disaster Recovery for Communications (Wireless)			No	\$ 66,667	\$ 1,200,000	Bond	\$ 400,000
Networking (Switches, SFPs, Accessories) for Plant SCADA			No	\$ 66,667	\$ 350,000	Bond	\$ 350,000
Networking (Switches, SFPs, Accessories) - Supply Chain Delays for Remote SCADA			No	\$ 66,667	\$ 350,000	Bond	\$ 350,000

Ingoing Capital Project Cashflow – 2023-24 Bonding Required (Continued)

					\$ 775,749,314	95	\$ 73,865,094
Project	Description	Contract No.	Candidate for i-Bank Funding	Est Funds Required 2023 Q2	Total 2023-2028	Funding Source	2023-2024
ASE 590SN Backhoe Loaders	Procurement of two (2) CASE 590SN Backhoe Loaders to replace three excavators that are at end of its useful life.	Bergen County Co-op Buying Group #CK-04, Grounds Division 20-09	No	\$ 112,582	\$ 337,746	Bond	\$ 337,746
Engineering Services for a Feasibility Study and Design of a New Finished Water Auxiliary Pump Station	Auxiliary Pump Station - change project scope to develop a Facility Plan at the LFWTP only. No design work.	21-P-81	No	\$ 16,667	\$ 300,000	Bond	\$ 300,000
Hardware (RTU) for Remote SCADA			No	\$ 83,333	\$ 300,000	Bond	\$ 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)	19-P-89	No	\$ 50,000	\$ 290,000	Bond	\$ 290,000
Professional Services for Conducting Condition Assessments on PVWC's Facilities		22-Q-09	No	\$ 41,667	\$ 750,000	Bond	\$ 250,000
Hardware (PCs) for Communications (Wireless)			No	\$ 83,333	\$ 250,000	Bond	\$ 250,000
Five Cargo Vans	Procurement of five (5) cargo vans for the Distribution Department to replace existing vehicles at the end of its useful life.	New Jersey State Contract No. 17-FLEET-00241	No	\$ 83,308	\$ 249,925	Bond	\$ 249,925
Hardware (Instrumentation) for Remote SCADA			No	\$ 36,667	\$ 660,000	Bond	\$ 220,000
Hardware (Instrumentation) for Plant SCADA			No	\$ 36,667	\$ 440,000	Bond	\$ 220,000
Construction Supervisors Building at Plant			No	\$ 70,000	\$ 210,000	Bond	\$ 210,000
Compact Excavators	Procurement of 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.	Bergen County Co-op Buying Group #CK-04, Grounds Division 20-09	No	\$ 68,017	\$ 204,052	Bond	\$ 204,052

Ingoing Capital Project Cashflow – 2023-24 Bonding Required (Continued)

					\$ 775,749,314	95	\$ 73,865,094
Project	Description	Contract No.	Candidate for i-Bank Funding	Est Funds Required 2023 Q2	Total 2023-2028	Funding Source	2023-2024
Open Finished Water Reservoirs, Phase 1C-1: Construction Administration for Advanced Work to Revitalize Tanks Contract (Postponed Design for 6th Ave Main Replacement - Issue)	Perform construction administration and management for Contract No. 22-B-7, Advanced Work for Industrial Loop Project.	20-P-83	No	\$ 66,667	\$ 200,000	Bond	\$ 200,000
Innovations to Distribution Supervisor Restrooms			No	\$ 33,333	\$ 200,000	Bond	\$ 200,000
Hot Mix Asphalt	Award Contract No. 23-V-02, "Hot Mix Asphalt" to the lowest responsible, responsive bidder. This contract will provide Goods and Services for hot mix asphalt. There was one (1) bidder with the low bid of \$178,714.00.	23-V-02	No	\$ 29,786	\$ 178,714	Bond	\$ 178,714
Upgrade and Install Telephone System, Hardware and Software Updates - Servers, PBX, Switches, Phones for Upgrade Telephone Equipment - NEC			No	\$ 50,000	\$ 295,000	Bond	\$ 175,000
Engineering Services for PVWC Rosendo Pond Wellhouse PFAS	Change Order No. 2 to cover out-of-scope work which includes overseeing installation of temporary treatment system and startup, permitting temporary system as permanent system to eliminate need for an Administrative Consent Order with the NJDEP and extra design work associated with traditional building for Phase 2 of Project in place of a pre-engineered building.	21-P-83	No	\$ 55,723	\$ 167,169	Bond	\$ 167,169
Professional Services for Conducting a Systemwide Security and Vulnerability Risk Assessment on PVWC Infrastructure		22-Q-10	No	\$ 26,667	\$ 480,000	Bond	\$ 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.	16-P-64	No	\$ 52,333	\$ 157,000	Bond	\$ 157,000

Ingoing Capital Project Cashflow – 2023-24 Bonding Required (Continued)

					\$ 775,749,314	95	\$ 73,865,094
Project	Description	Contract No.	Candidate for i-Bank Funding	Est Funds Required 2023 Q2	Total 2023-2028	Funding Source	2023-2024
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.	16-P-64	No	\$ 52,243	\$ 156,730	Bond	\$ 156,730
Professional Engineering Services for Corrosion Control and Microbiological Treatment		22-Q-12	No	\$ 25,000	\$ 450,000	Bond	\$ 150,000
Professional Services for Building MEP (Mechanical, Electrical, Plumbing) and Fire Protection Systems		22-Q-13	No	\$ 25,000	\$ 450,000	Bond	\$ 150,000
Sludge Clarification Process	Discharge Piping Modifications for Hydrocyclone System	21-B-24	No	\$ 45,000	\$ 135,000	Bond	\$ 135,000
Change Order No. 1 and Contract Extension for Contract No. 22-B-7 titled "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.	22-B-07	No	\$ 122,176	\$ 122,176	Bond	\$ 122,176
Disaster Recovery for Remote CADA			No	\$ 16,667	\$ 364,414	Bond	\$ 101,500
Professional Engineering Services for Filtration System Problems, Filter Assessments, and Related Matters	Do not rebid: Design of valve replacement in Filter building	21-P-46	No	\$ 7,500	\$ 100,000	Bond	\$ 100,000
Rad Service Replacements	Change Order No. 1 to cover for additional quantities encountered during the test pitting operations which includes disposal of unsuitable backfill material, backfill with DGA, decommissioning abandoned service lines and installing traffic control measures.	20-B-15	No	\$ 33,333	\$ 100,000	Bond	\$ 100,000
Hardware (Accessories, Misc.) for Communications (Wireless)			No	\$ 16,667	\$ 300,000	Bond	\$ 100,000
Pickups	Procure two (2) pick up trucks under the ESCNJ Cooperative for use by the Engineering Department to allow Deparement to expand their inspection operations	ESCNJ Cooperative	No	\$ 86,049	\$ 86,049	Bond	\$ 86,049
MMS Software License for First Year	Procurement of software license for CMMS Software	20-C-1	No	\$ 26,000	\$ 78,000	Bond	\$ 78,000

Ongoing Capital Project Cashflow – 2023-24 Bonding Required (Continued)

					\$ 775,749,314	95	\$ 73,865,094
Project	Description	Contract No.	Candidate for i-Bank Funding	Est Funds Required 2023 Q2	Total 2023-2028	Funding Source	2023-2024
Engineering Services for a Feasibility Study for Upper Raceway Recirculation	Open Finished Water Reservoirs, Phase 1C: Upper Raceway Feasibility Study	20-P-89	No	\$ 25,000	\$ 75,000	Bond	\$ 75,000
Professional Services for Building MEP (Mechanical, Electrical, Plumbing) and Fire Protection Systems	HVAC upgrades at the LFWTP	22-Q-13	No	\$ 25,000	\$ 75,000	Bond	\$ 75,000
Miscellaneous Professional Architectural Services for PVWC's Facilities	Issue new contract. Roof replacement of various structures at LFWTP	21-P-38	No	\$ 23,333	\$ 70,000	Bond	\$ 70,000
Cargo Vans	Procure two (2) cargo vans under the ESCNJ Cooperative for use by the Distribution Department for to expand meter operations and shut-offs.	ESCNJ Cooperative	No	\$ 69,421	\$ 69,421	Bond	\$ 69,421
Document Management Solution - Digitization of archived clerk records under the ESCNJ Document Management Cooperative.	Request permission to enter into an agreement with Foveonics to begin to digitization of PVWC's archived clerk records. PVWC is not compliant with NJ State procedures for business continuity and disaster recovery preparedness.		No	\$ 10,000	\$ 65,812	Bond	\$ 65,812
Hardware (Misc.) for Remote SCADA			No	\$ 10,000	\$ 180,000	Bond	\$ 60,000
Install GPS Fleet Tracking including Maintenance for Fleet Vehicles			No	\$ 10,000	\$ 120,000	Bond	\$ 60,000
Hardware (Misc.) for Plant SCADA			No	\$ 10,000	\$ 120,000	Bond	\$ 60,000
Miscellaneous Inspections and Other Regulatory Compliance Issues for PVWC's Reservoir Dams	Issue new contract. Dam inspections, EAPs, design repairs	21-P-42	No	\$ 7,500	\$ 50,000	Bond	\$ 50,000
Updates, Upgrades and Add. S.O.W. for CIS			No	\$ 16,667	\$ 50,000	Bond	\$ 50,000
3D-Model Operator's Locker Room	Need HVAC contract		No	\$ 16,667	\$ 50,000	Bond	\$ 50,000
Innovations to IT / Customer Service			No	\$ 16,667	\$ 50,000	Bond	\$ 50,000
Developing Bidding Documents for Removal of UST and Installation of ASTs at the PVWC Clifton Facility	Removal of UST and Installation of ASTs at Clifton Yard	21-P-80	No	\$ 13,460	\$ 40,380	Bond	\$ 40,380
Miscellaneous Professional Architectural Services for PVWC's Facilities	Issue new contract. Layout of PVWC facilities - office space	21-P-38	No	\$ 13,333	\$ 40,000	Bond	\$ 40,000

Ongoing Capital Project Cashflow – 2023-24 Bonding Required (Continued)

					\$ 775,749,314	95	\$ 73,865,094
Project	Description	Contract No.	Candidate for i-Bank Funding	Est Funds Required 2023 Q2	Total 2023-2028	Funding Source	2023-2024
urnish and Install New Prefabricated uilding for Storage at Point View			No	\$ 13,333	\$ 40,000	Bond	\$ 40,000
iscellaneous Professional rchitectural Services for PVWC's ilities	Issue new contract. PS floor rehab	21-P-38	No	\$ 10,000	\$ 30,000	Bond	\$ 30,000
rofessional Engineering Services for ehabilitation of PVWC's ydroelectric Generators	Professional Services & CA for Hydro Turbine Generators, Valves, Stop Logs. Transfer all working documents from HDR and close out this contract.	15-P-41	No	\$ 10,000	\$ 30,000	Bond	\$ 30,000
ass Meter Change Interface and iscovery 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.		No	\$ 8,550	\$ 25,650	Bond	\$ 25,650
rofessional Engineering Services for iltration System Problems, Filter ssessments, and Related Matters	New On-Call Contract: Preliminary assessment on filters - April to July 2023	Requisition	No	\$ 5,667	\$ 17,000	Bond	\$ 17,000
pen Finished Water Reservoirs, ase 3-1: Feasibility Assessment of a oint Distribution System Water orage Project with the City of ewark	Feasibility Assessment of a Joint Distribution System Water Storage Project through the Construction of a UV Disinfection Facility at the Cedar Grove Reservoir	18-P-JV	No	\$ 3,333	\$ 10,000	Bond	\$ 10,000

New Capital Projects – Bond Funding Required

New Capital Projects Cashtflow – 2023-24 Bonding Required

					\$ 775,749,314	67	\$ 47,311,880
Project	Description	Contract No.	Candidate for i-Bank Funding	Est Funds Required 2023 Q2	Total 2023-2028	Funding Source	2023-2024
Residuals Treatment Upgrade	New Thickener and Pumping Station; Rehab Two Existing Thickeners + New Dist. Box		No		\$ 27,500,000	Bond	\$ 12,500,000
Historic Rehabilitation of the Great Falls Buildings		22-B-22	No		\$ 4,500,000	Bond	\$ 4,500,000
Water Main Replacement - Main System	Misc Projects - Main System, Replacement of about 10,000 LF and T&M for Special	22-B-15	Yes		\$ 5,750,000	Bond	\$ 3,250,000
Water Main Replacement within Garrett Heights Service Area	Replacement of cast iron mains in Garrett Heights Gradient ~ 12,000 LF		Yes		\$ 8,000,000	Bond	\$ 2,000,000
Auditorium/Purification Stair Enclosure	Rehab of Outside Staircase, HVAC, Lighting - out to bid May 2023	23-B-05	No		\$ 1,750,000	Bond	\$ 1,750,000
Posen Pond PS	PFA Treatment, Temporary and Permanent		Yes		\$ 2,500,000	Bond	\$ 1,500,000
Remove and Install Filter Media at the FWWTP	Replacement of lost filter media in filter bays from overexpansion of filter bed during backwashing process.	23-B-04	No		\$ 1,200,000	Bond	\$ 1,200,000
Filter Valve & Actuator Replacement	Replace Valves & Actuators for Filters, update controls		No		\$ 10,000,000	Bond	\$ 1,000,000
Residuals Treatment Upgrade	Professional Engineering Services for PVWC Residuals Handling Upgrade (Design	17-P-70	No		\$ 1,500,000	Bond	\$ 1,000,000
Route 46/3 NJDOT Contract B - Class IV Structural Liner of 51" at Rt 46 Crossing	Class IV Structural Liner Crossing Rt 46, Little Falls; 400 LF 16" CIP & 400 LF 51" Steel Transmission Main	20-B-34	No		\$ 1,000,000	Bond	\$ 1,000,000

New Capital Projects Cashtflow – 2023-24 Bonding Required

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Project	Description	Contract No.	Candidate for i-Bank Funding	Est Funds Required 2023 Q2	Total 2023-2028	Funding Source	2023-2024
Residuals Treatment Upgrade	Professional Engineering Services for PVWC Residuals Handling Upgrade (Design	17-P-70	No		\$ 1,500,000	Bond	\$ 1,000,000
Route 46/3 NJDOT Contract B - Class IV Structural Liner of 51" at Rt 46 Crossing	Class IV Structural Liner Crossing Rt 46, Little Falls; 400 LF 16" CIP & 400 LF 51" Steel Transmission Main	20-B-34	No		\$ 1,000,000	Bond	\$ 1,000,000
Professional Services for Data Center Feasibility & Design	New Project has received Board approval.	Standalone	No		\$ 1,000,000	Bond	\$ 1,000,000
Superintendent's Building & Museum Architectural Improvements &	Lead Paint Remediation, Reside, Paint (Design is 80% complete)	22-B-19	On Hold		\$ 1,000,000	Bond	\$ 1,000,000
AST 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	22-B-04	No		\$ 849,500	Bond	\$ 849,500
New Street Reservoir Drainage Improvements & Diversion Berm	Hazard Mitigation - Drainage Improvements & Diversion Berm Extension		No		\$ 800,000	Bond	\$ 800,000
Effluent Clarification Process	Replacement of Lamella Panels in Clarifiers		No		\$ 750,000	Bond	\$ 750,000
Hardware (HCI) for Plant SCADA			No		\$ 1,350,000	Bond	\$ 750,000
Hardware (HCI) for Remote SCADA			No		\$ 750,000	Bond	\$ 750,000
Repair & Re-Paint Pipe Great Falls Arch Bridge			No		\$ 1,200,000	Bond	\$ 600,000

New Capital Projects Cashtflow – 2023-24 Bonding Required

					\$ 775,749,314	67	\$ 47,311,880
Project	Description	Contract No.	Candidate for i-Bank Funding	Est Funds Required 2023 Q2	Total 2023-2028	Funding Source	2023-2024
Replacement of Hydrants	Advanced investigation of each job site to verify work and ability to isolate work.	22-B-16	No		\$ 554,430	Bond	\$ 554,430
Roof Rehabilitation at Various PVWC Facilities	Roof Replacement at various locations within the LFWTP & Clifton	22-B-18	No		\$ 2,000,000	Bond	\$ 500,000
Sludge Settling Building	Replacement of Settler Tubes		No		\$ 500,000	Bond	\$ 500,000
Rebuild MCC Pumps and Transfer No. 1 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.		No		\$ 500,000	Bond	\$ 500,000
Replacement of ActiFlo Feeders in 2000 Gallons Contract 19-B-15	Electrical Upgrades	19-B-15	No		\$ 500,000	Bond	\$ 500,000
Water Service Agreement with Woodland Park: Water Main	16-inch Interconnection: Rifle Camp Rd from Cassom Ln to New St / Mountain Ave & Fave Bank, Sharing and OCR. Startup with Foveonics - pilot study.		Yes		\$ 2,000,000	Bond	\$ 500,000
Document Management Solution			Yes		\$ 4,000,000	Bond	\$ 500,000
IT Security, Risk & Resilience Assessment			Yes		\$ 1,000,000	Bond	\$ 500,000
Water Main Replacement - 150 Year Replacement Cycle	North Arlington - 1,250 LF minimum / year		On Hold		\$ 2,488,657	Bond	\$ 468,750
UPS Upgrade Solution at the Plant	data closets and RTUs. Remove small isolated UPS units and replace them with central UPS units, streamlining maintenance and generator power		Yes		\$ 1,200,000	Bond	\$ 400,000
Professional Services for Building MEP (Mechanical, Electrical, Plumbing) and	Issue Change Order No. 1 at May 2023 Board Meeting for designing for the HVAC	22-Q-13	No		\$ 360,000	Bond	\$ 360,000
Security Enhancements at Various /WC Facilities	Fencing and misc physical security enhancements		Yes		\$ 600,000	Bond	\$ 350,000

New Capital Projects Cashtlow – 2023-24 Bonding Required

					\$ 775,749,314	67 \$ 47,311,880	
Project	Description	Contract No.	Candidate for i-Bank Funding	Est Funds Required 2023 Q2	Total 2023-2028	Funding Source	2023-2024
HTE/NAVILINE/AS400	Needs Assessment for Finance Department to Procure and Implement a Financial Management Software - replace HTE/Naviline		No		\$ 315,000	Bond	\$ 315,000
Main Pump Station Discharge Valves	Replace Control Valves-Main Pumps		No		\$ 600,000	Bond	\$ 300,000
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.	Standalone	No		\$ 300,000	Bond	\$ 300,000
Wanaque South Pump Station (Paid to Passaic County)	Passaic County Shared Services Agreement for Relocation of 60-inch Transmission Main on Fairfield Rd at West Belt Extension - Change Order		No		\$ 300,000	Bond	\$ 300,000
HTE/NAVILINE/AS400	Implement parallel system to mitigate catastrophic failure of AS400 pending permanent replacement		No		\$ 250,000	Bond	\$ 250,000
HTE/NAVILINE/AS400	Procure and implement permanent replacement for HTE/Naviline system (CCE scaled from CMMS: 25% x CMMS roughly)		No		\$ 1,500,000	Bond	\$ 250,000
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	23-PE-05	No		\$ 250,000	Bond	\$ 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		No		\$ 500,000	Bond	\$ 250,000
Main Pump Station Rehab. P.S. floor	Rehab. P.S. floor		No		\$ 1,000,000	Bond	\$ 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 in Filter building	23-PE-10	No		\$ 250,000	Bond	\$ 250,000
Parking Lot Modifications at the VWC 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.	23-B-02	No		\$ 250,000	Bond	\$ 250,000
Great Notch Dam Required Improvements	From the Dam Inspection Results		No		\$ 500,000	Bond	\$ 250,000
Upgrade of ActiFlo Switchboard with e Breaker	Electrical Upgrades		No		\$ 1,000,000	Bond	\$ 250,000

New Capital Projects Cashtflow – 2023-24 Bonding Required

					\$ 775,749,314	67	\$ 47,311,880
Project	Description	Contract No.	Candidate for i-Bank Funding	Est Funds Required 2023 Q2	Total 2023-2028	Funding Source	2023-2024
Miscellaneous Inspections and Other Regulatory Compliance Issues for VWC's Reservoir Dams	New On-Call Contract: Dam inspections, EAPs, design repairs	23-PE-08	No		\$ 225,000	Bond	\$ 225,000
Meter Replacement	Pilot study for meter selection process		No		\$ 200,000	Bond	\$ 200,000
Sulfuric Acid, Furnish & Install One Additional Tanks, Telemetry, I&C	Chemical Feed, pH Control		No		\$ 200,000	Bond	\$ 200,000
Cargo Vans	Procure three (3) cargo vans		No		\$ 150,000	Bond	\$ 150,000
Miscellaneous Professional Architectural Services for PVWC's Facilities	New On-Call Contract: Roof replacement at LFWTP and Clifton, PS floor rehab, Boiler House stabilization	23-PE-02	No		\$ 150,000	Bond	\$ 150,000
Construction Management Services for the Replacement of Filter Valves and Instrumentation and Controls at the LFWTP	New Project	Standalone	No		\$ 5,400,000	Bond	\$ 150,000
Engineering Services for PVWC Cosenzo Pond Wellhouse PFAS	Professional Svcs & CA	21-P-83	No		\$ 339,000	Bond	\$ 101,700
Pickups	Procure two (2) pickups		No		\$ 100,000	Bond	\$ 100,000
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	23-PE-03	No		\$ 100,000	Bond	\$ 100,000
Asbestos Removal on Piping in Basement of Main Pump Station	Remove approximately 500 LF of asbestos on abandoned 6-inch steam pipe in basement of Main PS including removal of abandoned pipe		No		\$ 500,000	Bond	\$ 100,000
Laboratory/Water Quality Systems	IC		No		\$ 100,000	Bond	\$ 100,000
Replacement of Lime House Substation tied to Residuals Contract	Electrical Upgrades		No		\$ 1,000,000	Bond	\$ 100,000
Professional Engineering Services for Filtration System Problems, Filter Assessments, and Related Matters	New On-Call Contract for conducting filter assessments.	23-PE-06	No		\$ 80,000	Bond	\$ 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	23-PE-04	No		\$ 75,000	Bond	\$ 75,000
Laboratory/Water Quality Systems	2 Incubators		No		\$ 50,000	Bond	\$ 50,000
Renovations to Clifton Administration			No		\$ 500,000	Bond	\$ 50,000
Laboratory/Water Quality Systems	Refrigerator		No		\$ 120,000	Bond	\$ 40,000
Demolition and Reconstruction of Pilot Plant Building			No		\$ 225,000	Bond	\$ 25,000
Professional Engineering Services for Structural and Related Issues	New On-Call Contract: Perform structural engineering services	Requisition	No		\$ 17,500	Bond	\$ 17,500

