Pennichuck Water Works, Inc. DW 23-015 Computation of QCPAC Surcharge 2/13/2023 Revised per DOE DR Sets 1, 2, and 3 5/18/2023 and 6/16/2023 and 6/29/2023

		ested DW 22- 2 Revenues			CPAC For 2022 tal Additions pro forma				QCPAC For 2023 apital Additions pro forma		for 20	C Surcharge 023 Capital dditions	Capi	AC For 2024 tal Additions pro forma		CPAC Surcharge for 2024 Capital Additions		CPAC For 2025 tal Additions pro forma	for	PAC Surcharge 2025Capital Additions
City Bond Fixed Revenue Requirement (CBFRR)	\$	7,729,032		\$	-		\$	7,729,032		\$	5	7,729,032			\$	7,729,032			\$	7,729,032
DW 22-032 Operating Expense Revenue Requirement, with MOEF, per Settlement Agreement	\$	25,249,661	(1)	\$	114,271	(4)	\$	25,363,931 \$	244,264	(4) \$	;	25,608,196	\$	452,06	1 (4) \$	26,060,257	\$	209,136	(4) \$	26,269,393
DW 22-032 Annual Principal and Interest Payments per Settlement Agreement	\$	7,436,923	(2)	\$	377,666	(7)	\$	7,814,589 \$	856,213	(8) \$	5	8,670,802	\$	1,411,67	5 (8) \$	10,082,477	\$	774,747	-8 \$	10,857,224
Principal and Interest Coverage Requirement		1.10	(3)					1.10				1.10				1.10				1.10
DW 22-032 Principal and Interest Revenue Requirement	\$	8,180,615					\$	8,596,048		\$	5	9,537,883			\$	11,090,725			\$	11,942,947
DW 22-032 RSF Debit	\$	(422,871)	(11)				\$	(422,871)		\$	5	(422,871)			\$	(422,871)			\$	(422,871)
DW 22-032 Revenue Requirement per Settlement Agreement inclusive of RSF Debit	\$	40,736,437	(10)				\$	41,266,141		\$	3	42,452,239			\$	44,457,143			\$	45,518,501
DW 22-032 Revenue Requirement less Other Revenues	\$	40,143,045					\$	40,672,749		\$	3	41,858,847			\$	43,863,751			\$	44,925,108
DW 22-032 Revenue Requirement less Other Revenues less Fixed Special Contract Revenues	\$	39,057,359	(6)				\$	39,587,063		\$	3	40,773,161			\$	42,778,065			\$	43,839,422
Percent QCPAC Surcharge (5)								1.36%				3.04%				5.13%				2.72%
Cumulative QCPAC Surcharge (9)								1.36%				4.39%				9.53%				12.24%
Cumulative QCPAC monthly increase in average single family residential bill.							\$	0.83		\$	5	2.69			\$	5.84			\$	7.50
Average monthly single family residential bill with QCPAC.	\$	61.28					\$	62.11		\$	5	63.97			\$	67.11			\$	68.78
Notes:  (1) Operating Expense Revenue requirement is the sum of the Total Operating Expenses, Property Tax Expense, Amortization Expense and Payroll Tax Expenses agreed to in (2) Annual Principal and interest payments for PWW debt associated with all plant in service as agreed to in the settlement agreement for DW22-032.  (3) Principal and interest coverage of 1.10 is as approved in DW 16-806.  (4) QCPAC operating expenses are based on the property taxes for used and useful plant added during the year  (5) QCPAC percent revenue surcharges based on increase in revenues which are reflected in the Settlement agreement in DW22-032  (6) Reduction in revenues associated with fixed contracts as follows:  (7) QCPAC Principal and Interest expenses for DWGTF financing are based on a  (8) QCPAC Principal and Interest expenses based on actual April 26, 2023 Bond issuance based on a  (8) QCPAC Principal and Interest expenses for 2023, 2024 and 2025 QCP's are based on  (9) Cumulative surcharge percentage is based on total surcharge revenues collected divided by the revenues agreed to in the settlement in DW 22-032 that are impacted by the QC  (10) Operating expense revenues agreed to in the Settlement Agreement per DW 22-032 less total Other Revenues of  (11) RSF debit agreed to in Settlement Agreement in DW 22-032	Hudso	on Annual Fixed Cl 30 30	ng year bon year bon	d with ir	457,083 nterest rate of nterest rate of nterest rate of		% (Total A	All In Interest Cost of al	ilford Annual Fixed Chg   Series Bonds)   Expenditures unless fund		s SRF/I	81,000 DWGTF financing.	A-B An	nual Fixed Chg	\$	356,622	PEU	Annual Fixed Chg	\$	190,981

Impact on Single Family Residential Home:

DW 22-032 Monthly meter charge apreed to in Settlement inDW 22-032 - \$

Average Single Family Consumption as filed in DW 22-032 (CCF) - Volumetric Charge agreed to in Settlement in DW 22-032 - \$

Ave. Single Family monthly bill with rates projected upond completion of DW 22-032 - \$ 26.90 7.76 4.43 61.28 Pennichuck Water Works, Inc. DW 23-0115 2022 Actual QCPAC Expenditures 2/13/2023 Revised per DOE DR Sets 1, 2, and 3 5/18/2023 and 6/16/2023 and 6/29/2023

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														QCPAC	
			Einanaina Daaltat	NHPUC Order	Date of NHPUC	Approved		Estimated Year End Project Cost	Estimated Project Cost as of	Final Project cost				Eligible	
Project Name/Description	Project Description	Work Order #	Financing Docket No.	No.	Order	Approved Budgeted Amount	QCPAC Eligible?	as of 09/30/2022	11/30/2022	Final Project cost as of 12/31/2022	Community	Taxable	Tax Rate (1)	Property Tax Expense	Explanation for Change/Addition/Deletion since Feb 2022 Filing
Office Space for Const & Maint Supervisor	Permanent Office space for Construction & Maint Supervisor	n/a	DW20-157	26,459	3/2/2021	\$ 15,000	Yes	s - s	-	\$ -	Merrimack	Yes	\$ 22.87	s -	Deferred to 2023
Locker Room Wash Sinks	Deep stainless wash sinks to replace existing sinks in male & female locker rooms	n/a	DW20-157	26,459	3/2/2021	\$ 10,000	Yes	\$ 10,000 \$	-	\$ -	Merrimack	Yes	\$ 22.87	S -	Deferred to 2023
Locker Room Benches 2022 New Services (15)	Permanent Benches in Men's & Women's Locker Rooms Single Family, Owner Build, New Homes	n/a Routine	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 7,500 \$ 75,000	Yes	\$ 7,500 \$ \$ 75,000 \$	102.500	\$ - \$ 102.500	Merrimack Various	Yes Yes	\$ 22.87 \$ 23.78	\$ - \$ 2437	Deferred to 2023  10 New Services installed in 2022.
2022 Renewed Services (20)	Replacement of Failed Services	Routine	DW20-157	26,459	3/2/2021	\$ 110,000	Yes	\$ 110,000 \$	142,271	\$ 155,198	Various	Yes	\$ 23.78	\$ 3,691	32 Renewed Services completed in 2022.
2022 Hydrants (10) 2022 Gates (20)	Replacement of non functional hydrants  Replacement of Failed Gate Valves	Routine Routine	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 60,000 \$ 80,000	Yes	\$ 15,000 \$ \$ 72,000 \$	14,796 82,863	\$ 14,793 \$ 76,944	Various Various	Yes Yes	\$ 23.78 \$ 23.78	\$ 352 \$ 1830	2 Hydrants installed in 2022. 13 Gate Valves Replaced in 2022.
2022 Gates (20) 2022 Radios (250)	New Radios for new customers (250)	Routine	DW20-157 DW20-157	26,459	3/2/2021	\$ 25,000	Yes	\$ 72,000 \$ \$ 177,000 \$	82,863 16,636	\$ /6,944 \$ 16,195	Various Various	Yes	\$ 23.78 \$ 23.78	\$ 1,830 \$ 385	163 Radios Installed in 2022.
2022 Radios (2800)	Year 2 of 10 year Replacment of all PWW Radios installed in 2007 (2800)	2200381	DW20-157	26,459	3/2/2021	\$ 280,000	Yes	\$ 240,000 \$	253,475		Various	Yes	\$ 23.78	\$ 5,619	2,142 Radios Replaced thru 11/30/2022. 300 additional radio replacements expected by year end.
2022 Meters (Growth) 5/8"-2" - Core & CWS (TBD)  Replacement Dump Truck	New meters for new customers, including PFOA (250). Replacement of failed meters(250)  Replacement for Truck # 7, 2011 Peterbuilt T-335, 100K+ miles, 2500 hrs, high maint & Repair	Routine n/a	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 50,000 \$ 125,000	Yes	\$ 60,000 \$	82,786	\$ 82,204	Various Merrimack	Yes No	\$ 23.78 \$ 22.87	\$ 1,955	392 Meters Replaced in 2022.  Deferred due to availability.
Replacement Utility Truck	New Utility Truck to replace #84, 2014 F-350, 120k miles, High maint & Repair costs	2204657	DW20-137	0.1 DSRR funds	3/2/2021	\$ 70,000	Yes	\$ 53,995 \$	53,995	\$ 76,895	Merrimack	No	\$ 22.87 \$ 22.87	s -	Deferred due to availability.
Replacement Utility Truck	New Utility Truck to replace #9, 2014 F-350, 120k miles, High Maint & Repair costs	2204656		0.1 DSRR funds		\$ 70,000	Yes	\$ 53,600 \$	53,600	\$ 76,500	Merrimack	No	\$ 22.87	S -	
Replacment Supervisor Pickup Protectus Meter Upgrade	New Full sized Pickup to replace #21, 2013 Chevy Equinox, 150k miles, Hi Maint & Repair costs Protectus Meter Upgrade	2204655 n/a	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 50,000 \$ 22,000	Yes Yes	\$ 54,340 \$	54,340	\$ 54,340	Merrimack Nashua	No Yes	\$ 22.87 \$ 23.55	S -	Deferred due to availability.
Miscellaneous Construction Equipment	Miscellaneous Construction Equipment	n/a	DW20-157	26,459	3/2/2021	\$ 40,000	Yes	s - s	-		Merrimack	No	\$ 22.87	s -	Budget money moved to a different unbudgeted project/projects.
New 22 Ton Tilt Trailer	22 Ton Tilt Trailer to transport Excavator for Distribution Crew Work	2205058	DW20-157	26,459	3/2/2021	\$ 30,000	Yes	\$ 39,421 \$	39,421	\$ 39,421	Merrimack	No	\$ 22.87	S -	
Air Compressor for Vac/Valve Truck Air Compressor for Vac/Valve Truck	Inline Air Compressor for Valve/Vac Truck for Jack Hammer & other equipment use Inline Air Compressor for Valve/Vac Truck for Jack Hammer & other equipment use	2206577 2206577	DW20-157	0.1 DSRR funds 26,459	3/2/2021	\$ 12,000	Yes	\$ 18,450 \$	4,572 13.878		Merrimack Merrimack	No No	\$ 22.87 \$ 22.87	S -	Residual of Air Compressor cost (row 27) not coverd by 0.1DSRR funds.
New 3"" Neptune Construction Meters	Purchase 2 new 3" Neptune Construction Meters to meet Demand	2200377	DW20-137	0.1 DSRR funds	3/2/2021	\$ -	Yes	\$ 2,890 \$	2,890	e 1030.0	Merrimack	No	\$ 22.87	s -	Misc Construction Equipment Budget - Row 23
New Cut Saws for Distribution	2 New Stihl Cust saws for Distribution	2203898		0.1 DSRR funds		\$ -	Yes	\$ 3,528 \$	3,528		Merrimack	No	\$ 22.87	S -	Misc Construction Equipment Budget - Row 24
New Mechanics Field Service Vehicle Replacement Utility Trailer	New Mechanics Field Service Vehicle  Replacement Utility Trailer for Foreman	2204653 2204991	DW20-157 DW20-157	26,459 26,459	3/2/2021	\$ -	Yes	\$ - \$ \$ 6,800 \$	58,900 6,800		Merrimack Merrimack	No No	\$ 22.87 \$ 22.87	S -	Misc Construction Equipment Budget - Row 25
New Neptune Construction Meters	2 New Neptune Construction Meters for Contractor requests	2204991	DW20-157 DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 6,800 \$	2,890		Merrimack Merrimack	No No	\$ 22.87 \$ 22.87		Misc Construction Equipment Budget - Row 25
Irrigation Sys. Inst. at Dist. Facility	Installation of Irrigation System at Distribution Facility	2205669	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 3,120 \$	3,120		Merrimack	No	\$ 22.87	S -	
Loam & Hydroseed at Dist. Facility  New Volvo ECR88D Excavator	Installation of Loam and Hydroseeding at Distribution Facility  New Volvo ECR88D Excavator	2205672 2208205	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ - \$ -	Yes	\$ 8,333 \$	8,333 123,261	\$ 8,333 \$ 125,303	Merrimack Merrimack	No No	\$ 22.87 \$ 22.87	S -	
Purchase New 4-Ton hotbox w/30 Gal Tack Tank	Purchase New 4-Ton hotbox w/30 Gal Tack Tank	2208205	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ - \$	49,900	4 120g0.00	Merrimack Merrimack	No No	\$ 22.87 \$ 22.87	S -	
DynaPac Pavement Roller	DynaPac Pavement Roller	2208363	DW20-157	26,459	3/2/2021	\$ -	Yes	s - s	21,500	\$ 21,500	Merrimack	No	\$ 22.87	S -	
Trailer for Pavement Roller Purchase 4 New Pavement Saws	Trailer for Pavement Roller Purchase 4 New Pavement Saws	2208364 2209555	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ -	Yes	S - S	6,980		Merrimack Merrimack	No No	\$ 22.87 \$ 22.87	S -	
Kessler Farm Tank Replacement	Replaced 4 MG painted steel water tank with 4 MG prestressed, precast water tank.	2209555	DW20-157 DW20-157	26,459 26,459	3/2/2021	\$ 300,000	Yes	\$ - \$ \$ 272,000 \$	200,103	\$ 6,000 \$ 200,776	Merrimack Nashua	No Yes	\$ 22.87 \$ 23.55	\$ 4,728	
Coburn Woods (all side streets) Phase 1	Replace 4400 LF of 2 inch PVC with 4 inch DIPCL.	2200500	DW20-157	26,459	3/2/2021	\$ 300,000	Yes	\$ 189,000 \$	179,254		Nashua	Yes	\$ 23.55	\$ 4,321	
Miami Street	Complete main replacement and restoration in 2021 - Replace 429 LF of 2" CL pipe with 8" DIPCL  Sewer work forces replacement of outdated 6" CI pipe with 466 LF of new 6" DIPCL	2201253	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 177,000 \$ 190,000	Yes	\$ 187,550 \$ \$ 130,000 \$	186,176 142,868		Nashua Nashua	Yes	\$ 23.55 \$ 23.55	\$ 4,372 \$ 3,365	Daving on this was deffered until 2022. Daving controll he reduced and shared with the City.
Kendrick Street Faxon Avenue	Nearby sewer work forces replacement of outdated 6 Cripipe with 466 LF of new 6 DIPCL  Nearby sewer work forces replacement of outdated 2" Clipipe with 205 LF of new 4" C900 PVC	2201252	DW20-157	26,459	3/2/2021	\$ 86,000	Yes	\$ 130,000 \$ \$ 86,000 \$	142,868 86,000		Nashua Nashua	Yes	\$ 23.55 \$ 23.55		Paving on this was deffered until 2023. Paving cost will be reduced and shared with the City.
Faxon Street	Sewer work forces replacement of outdated 6" CI pipe with 528 LF of new 6" DIPCL	2201255	DW20-157	26,459	3/2/2021	\$ 220,000	Yes	\$ 195,000 \$	195,000	\$ 191,910	Nashua	Yes	\$ 23.55	\$ 4,519	Bid was lower than the engineer's estimate.
Chataqua Ave Niquette Dr.	Broad St. to End Replace/Add 780 feet of 1.25"/4"/6" Installed in 1915-1963 with 4"/6"  E. Dunstable to service 12 Niguette Replace/Add 525 feet of 2" installed in 1960 with4"	2200426 2200427	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 209,000 \$ 131,000	Yes Yes	\$ 267,000 \$ \$ 127,200 \$	267,068 128,323	\$ 267,095 \$ 128,363	Nashua Nashua	Yes Yes	\$ 23.55 \$ 23.55	\$ 6,290 \$ 3,023	Paving restoration requirements were more than anticipated.
Pine Hill Ave	Wright Rd. to End Replace/Add 300 feet of 1.25" installed in 1953 with 4"	2200427	DW20-157	26,459	3/2/2021	\$ 75,000	Yes	\$ 127,200 \$ \$ 92,400 \$	92,367	\$ 128,363 \$ 92,394	Nashua	Yes	\$ 23.55 \$ 23.55	\$ 3,023 \$ 2,176	Old pipe records were not accurate requireing more pipe to be replaced.
Mt. Pleasant St.	Merrimack St. to Manchester St. Replace/Add 400 feet of 1.5" installed in 1955 with 8"	2200423	DW20-157	26,459	3/2/2021	\$ 117,000	Yes	\$ 204,200 \$	195,922	\$ 195,948	Nashua	Yes	\$ 23.55	\$ 4,615	More paving and night work than anticipated.
French St.	Merrimack St. to 10 French Replace/Add 340 feet of 2"/6" installed in 1887 & 1926 with 4"/6"	2200424	DW20-157 DW20-157	26,459	3/2/2021	\$ 87,000	Yes	\$ 178,040 \$	173,709	\$ 173,736	Nashua	Yes	\$ 23.55	\$ 4,091 \$ 6,356	More paving and night work than anticipated.
Dudley St. Ledgewood Hills Dr. /Heather	June St. to E. Hobart St. Replace/Add 830 feet of 1.25"/8" CI/AC installed in 1957-1971 with 8"  To Intersection Replace/Add 10 feet of Unconnected installed in with 8	2200428 2200429	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 256,000 \$ 5,000	Yes	\$ 300,000 \$ \$ 5,500 \$	269,714 11 059	\$ 269,900 \$ 11,059	Nashua Nashua	Yes Yes	\$ 23.55 \$ 23.55	\$ 6,356 \$ 260	
Rita St.	Allds St. to 6 Rita Replace/Add 210 feet of 1.5" CICL installed in 1956 with 4"	2200430		0.1 DSRR funds		\$ 53,000	No	\$ 2,899 \$	2,880	\$ 2,880	Nashua	No	\$ 23.55	S -	Design only
Salem St. Walnut St.	Whitney St. to Summer St. Replace/Add 855 feet of 4"/6" installed in 1888-1927 with 6"  W. Pearl St. to W. Hollis St. Replace/Add 830 feet of 6"/8" installed in 1888-1931 with 12"	2200425 2200431	-	0.1 DSRR funds 0.1 DSRR funds		\$ 253,000 \$ 312,000	No No	\$ 300 \$ \$ 300 \$	728 778	\$ 848 \$ 1,346	Nashua Nashua	No No	\$ 23.55 \$ 23.55	S -	Design only Design only
Garden Street	Emergency replacement of 150 If of 6" CIP with 8" DIP	2200431	DW20-157	26,459	3/2/2021	\$ 312,000	Yes	\$ 50,000 \$		÷ -30.10	Nashua	Yes	\$ 23.55 \$ 23.55	s 1.167	City Sewer Project - Budget from row 54
Route 101A Water Main Relocation	Route 101A Water Main Relocation	n/a	DW20-157	26,459	3/2/2021	\$ 600,000	Yes	S - S	=		Nashua	Yes	\$ 23.55	S -	
PWW RRA- ERP Milford Booster Station	Implement Recommendations Evaluated in 2021  Replace/Relocate Milford Booster Station (Design & Permitting)	n/a 2201853	DW20-157	26,459 0.1 DSRR funds	3/2/2021	\$ 500,000 \$ 60,000	Yes	\$ - \$ \$ 6,827 \$	6.827	\$ 6,827	Various Milford	Yes	\$ 23.78 \$ 26.27	S - Stor	Budget money moved to a different unbudgeted project/projects.  tion to be designed, owned and operated by the Milford Water Department.
City Sewer Projects (2022)	Replace CI, AC, and other older main distrupted by sewer construction	n/a	DW20-157	26,459	3/2/2021	\$ 300,000	Yes	\$ 0,027 \$	0,827	\$ 0,027	Nashua	Yes	\$ 23.55	ş - Sta	No city sewer projects projected for remainder of year.
Coburn Tank Area HP Zone Watermain	Create new HP area with 1600 LF of Water Main and Check Valves	n/a		0.1 DSRR funds		\$ 800,000	Yes	\$ 5,000 \$	-	\$ -	Nashua	No	\$ 23.55	S -	Design only, project deferred
Coburn Tank Area HP Booster Station Investment in Developer Services	New Domestic flow and pressure booster station  1x Annual Revenue	n/a Routine	DW20-157	0.1 DSRR funds 26 459	3/2/2021	\$ 550,000 \$ 140,000	Yes	\$ - \$ \$ 75.000 \$	69 449	\$ - \$ 77.276	Nashua Various	No Yes	\$ 23.55 \$ 23.78	S -	Design only, project deferred  96 Developer Services through 11/30/2022, 10 more projected by year end.
Trimble GPS and Monitoring Equipment	Level Monitors, Pressure Monitors and Flow Monitors	2204654	DW20-157	26,459	3/2/2021	\$ 32,000	Yes	\$ 20,000 \$	20,000	v,=	Merrimack	No	\$ 22.87	\$ 1,030 \$ -	30 Developer Services unough 11/30/2022, 10 more projected by year end.
Sweet Hill Internnection	Connecting Pipeline and Meter Pit	2208920	SRF	Petiton n	nust be filed	\$ 220,000	Yes	\$ 10,000 \$	-	\$ -	Plaistow	Yes	\$ 24.40	S -	Design only, project deferred
Twin Ridge Interconnection	Connecting Pipeline and Meter Pit SUV Replaces 2010 SUV #33 with over 118,000 miles.	2208919 n/a	SRF DW20-157	Petiton n 26 459	3/2/2021	\$ 100,000 \$ 30,000	Yes	\$ 10,000 \$	-	\$ -	Plaistow Nashua	Yes No	\$ 24.40 \$ 23.55	S -	Design only, project deferred  Budget money moved to 2201770.
Engineering Vehicle Engineering Vehicle	SUV Relpaces (#34) 2010 with over 196,000 miles.	n/a n/a	DW20-157	26,459	3/2/2021	\$ 30,000	Yes	S - S		S -	Nashua Nashua	No No	\$ 23.55 \$ 23.55	S -	Budget money moved to 2201770.  Budget money moved to 2206415.
Snow Station Building Addition	Addition of a third High Lift Pump (Design & Permitting)	n/a		0.1 DSRR		\$ 100,000	Yes	\$ - \$	-		Nashua	No	\$ 23.55	S -	Project deferred
Engineering Studies: WTP	Chemical Feed and Storage, PFAS treatment	2205826	DW20 452	0.1 DSRR	3 /3 /302*	\$ 50,000 \$ 125,000	Yes	\$ 90,000 \$	125,000	\$ 113,182	Nashua	No	\$ 23.55	S -	Design only Project deferred
Atherton Commons	Install 9 Meter Boxes (Pits) and 45 inside meters with expansion tank	n/a	DW20-157	26,459	3/2/2021	\$ 125,000	Yes	s - \$	-	<del>                                     </del>	Amherst	Yes	\$ 26.56	a -	Project deferred
English Woods Alternative Source Interconnection	Interconnect the English Woods CWS to the Donald St PS w/ building expansion to remove chloramines	n/a	DW20-157	26,459	3/2/2021	\$ 310,000	Yes	\$ 5,000 \$	-		Bedford	Yes	\$ 23.03	S -	Design only, project deferred
2022 Chevy Equinox (Rep totaled #151) Merrimack River Intake SWPP	Purchase a replacement vehicle due to storm damage (Rep totaled #151)  Merrimack River Intake SWPP	2201770 2201931	DW20-157	26,459 0.1 DSRR funds	3/2/2021	\$ -	Yes	\$ 29,876 \$ \$ 29,725 \$	29,876 29,928		Nashua Various	No No	\$ 23.55 \$ 23.78	S -	
Coburn HP Sys Plann./Design/Prop.	Coburn HP Sys Plann./Design/Prop.	2201931	<u> </u>	0.1 DSRR funds		\$ -	No	\$ 29,725 \$ \$ 8,000 \$	8,000		Nashua	No	\$ 23.55	S -	Design only
Water Quality Monitoring Device	Replacement for vandalized sonde/water quality monitoring probe	2206244	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 22,000 \$	18,462	v 000.00	Nashua	Yes	\$ 23.55	\$ 917	
2022 Small Diameter Water Main Replacement - South 2022 Small Diameter Water Main Replacement - South	Nye Avenue Main Replacement - PWW - 2022 Almont St Main Replacement (Design) 2022	2206578 2206683	DW20-157	26,459 0.1 DSRR funds	3/2/2021	\$ - \$ -	Yes No	\$ 95,000 \$ \$ 1.100 \$	127,808 662		Nashua Nashua	Yes No	\$ 23.55 \$ 23.55	\$ 3,010 \$ -	Design only
2022 Small Diameter Water Main Replacement - South			1	0.1 DSRR funds		\$ -	No	\$ 1,100 \$	3,499		Nashua	No	\$ 23.55	S -	Design only
	Chapman St Main Repl. (Design) 2022	2206684				۹ .	No	\$ 1,100 \$	546	\$ 599	Nashua	No	\$ 23.55 \$ 23.55	S -	Design only
2022 Small Diameter Water Main Replacement - South	Cherry St Main Replacement (Design) 2022	2206685		0.1 DSRR funds	-	è					Nashua	No			
2022 Small Diameter Water Main Replacement - South 2022 Small Diameter Water Main Replacement - South	Cherry St Main Replacement (Design) 2022 D St Main Replacement (Design) 2022			0.1 DSRR funds 0.1 DSRR funds 0.1 DSRR funds		\$ - \$ -	No No	\$ 1,100 \$ \$ 1,100 \$	360	\$ 360	Nashua	No	\$ 23.55 \$ 23.55	S -	Design only  Design only
2022 Small Diameter Water Main Replacement - South 2022 Small Diameter Water Main Replacement - South 2022 Small Diameter Water Main Replacement - South 2022 Small Diameter Water Main Replacement - South	Cherry St Main Replacement (Design) 2022 D St Main Replacement (Design) 2022 Nye Ave Main Replacement (Design) 2022 Palm St Main Replacement (Design) 2022	2206685 2206686 2206687 2206688		0.1 DSRR funds 0.1 DSRR funds 0.1 DSRR funds		\$ - \$ - \$ -	No No No	\$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$	506	\$ 613	Nashua Nashua	No No	\$ 23.55 \$ 23.55	S - S -	Design only Design only
2022 Small Diameter Water Main Replacement - South 2022 Small Diameter Water Main Replacement - South 2022 Small Diameter Water Main Replacement - South 2022 Small Diameter Water Main Replacement - South Savoy St Main Replacement (Design) 2020	Cherry St Main Replacement (Design) 2022  D St Main Replacement (Design) 2022  Nye Ave Main Replacement (Design) 2022  Palm St Main Replacement (Design) 2022  Palm St Main Replacement (Design) 2022  Savoy St Main Replacement (Design) 2022	2206685 2206686 2206687 2206688 2206689		0.1 DSRR funds 0.1 DSRR funds 0.1 DSRR funds 0.1 DSRR funds		\$ - \$ - \$ - \$ -	No No No No	\$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$	506 1,176	\$ 613 \$ 1,284	Nashua Nashua Nashua	No No No	\$ 23.55 \$ 23.55 \$ 23.55	S - S - S - S -	Design only Design only Design only
2022 Small Diameter Water Main Replacement - South Savoy St Main Replacement (Design) 2022 Small Diameter Water Main Replacement - South 2022 Small Diameter Water Main Replacement - South 2022 Small Diameter Water Main Replacement - South	Cherry St Main Replacement (Design) 2022 D St Main Replacement (Design) 2022 Nye Ave Main Replacement (Design) 2022 Palm St Main Replacement (Design) 2022 Savoy St Main Replacement (Design) 2022 Savoy St Main Replacement (Design) 2022 Swan St Main Replacement (Design) 2022 Union St Main Replacement (Design) 2022	2206685 2206686 2206687 2206688		0.1 DSRR funds 0.1 DSRR funds 0.1 DSRR funds 0.1 DSRR funds 0.1 DSRR funds 0.1 DSRR funds 0.1 DSRR funds		\$ - \$ - \$ - \$ - \$ - \$ -	No No No	\$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$	506	\$ 613 \$ 1,284 \$ 5,613	Nashua Nashua	No No	\$ 23.55 \$ 23.55	S - S - S - S - S - S - S - S - S - S -	Design only Design only
2022 Small Diameter Water Main Replacement - South Savy St Main Replacement (Design) 2022 2022 Small Diameter Water Main Replacement - South 2022 Small Diameter Water Main Replacement - South Utility Network Migration	Cherry St Main Replacement (Design) 2022  D St Main Replacement (Design) 2022  Nye Ave Main Replacement (Design) 2022  Palm St Main Replacement (Design) 2022  Palm St Main Replacement (Design) 2022  Savoy St Main Replacement (Design) 2022  Swan St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Utility Network Migration	2206685 2206686 2206687 2206688 2206689 2206690 2206691 2208041	Wor	0.1 DSRR funds 0.1 DSRR funds 0.1 DSRR funds 0.1 DSRR funds 0.1 DSRR funds 0.1 DSRR funds 6.1 DSRR funds 6k is in CWIP, fund in	1 2023	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	No No No No No No No Yes	\$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$	506 1,176 5,453	\$ 613 \$ 1,284 \$ 5,613 \$ 10,023 \$ -	Nashua Nashua Nashua Nashua Nashua Nashua	No No No No No	\$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55	5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	Design only Design only Design only Design only
2022 Small Diameter Water Main Replacement - South Savoy St Main Replacement (Design) 2022 2022 Small Diameter Water Main Replacement - South 2022 Small Diameter Water Main Replacement - South Utility Network Migration Utility Network Migration	Cherry St Main Replacement (Design) 2022 D St Main Replacement (Design) 2022 Nye Ave Main Replacement (Design) 2022 Palm St Main Replacement (Design) 2022 Savoy St Main Replacement (Design) 2022 Swan St Main Replacement (Design) 2022 Union St Main Replacement (Design) 2022 Ultity Network Migration Utility Network Migration	2206685 2206686 2206687 2206688 2206689 2206690 2206691 2208041 2208041	Wor DW20-157	0.1 DSRR funds 0.1 DSRR funds 0.1 DSRR funds 0.1 DSRR funds 0.1 DSRR funds 0.1 DSRR funds 0.1 DSRR funds		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	No No No No No No	\$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$	506 1,176 5,453 5,996	\$ 613 \$ 1,284 \$ 5,613 \$ 10,023	Nashua Nashua Nashua Nashua Nashua	No No No No No	\$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55	5 -	Design only Design only Design only Design only Design only
2022 Small Diameter Water Main Replacement - South Utility Network Migration Utility Network Migration Replace 6 filter turbidimeters (manufacturer no longer support	Cherry St Main Replacement (Design) 2022  D St Main Replacement (Design) 2022  Nye Ave Main Replacement (Design) 2022  Palm St Main Replacement (Design) 2022  Palm St Main Replacement (Design) 2022  Savoy St Main Replacement (Design) 2022  Swan St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Utility Network Migration	2206685 2206686 2206687 2206688 2206689 2206690 2206691 2208041 n/a	DW20-157	0.1 DSRR funds ck is in CWIP, fund in 0.1 DSRR funds 26,459	3/2/2021		No No No No No No No No Yes Yes Yes	\$ 1,100 \$ \$ 1,100 \$	506 1,176 5,453 5,996 1,276	\$ 613 \$ 1,284 \$ 5,613 \$ 10,023 \$ - \$ 1,128 \$ -	Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua	No No No No No No No Yes	\$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55	5 -	Design only Work in CWIP per audit. This project willl be permanently funded as part of 2023 Capex.
2022 Small Diameter Water Main Replacement - South Savoy St Main Replacement (Design) 2022 2022 Small Diameter Water Main Replacement - South 2022 Small Diameter Water Main Replacement - South Utility Network Migration Utility Network Migration Replace 6 filter turbidimeters (manufacturer no longer support Replace siding and soffit, boat house on WTP grounds	Cherry St Main Replacement (Design) 2022  D St Main Replacement (Design) 2022  Nye Ave Main Replacement (Design) 2022  Palm St Main Replacement (Design) 2022  Palm St Main Replacement (Design) 2022  Savoy St Main Replacement (Design) 2022  Swan St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Unity Network Migration  Utility Network Migration  orth Replace 6 filter turbidimeters (manufacturer no longer supports current units)  Replace missing trim and soffit along the roof line of the Boat House building on the Nashua WTP grounds	2206685 2206686 2206687 2206688 2206689 2206690 2206691 2208041 2208041 2208041 2208041	DW20-157 DW20-157	0.1 DSRR funds ck is in CWIP, fund in 0.1 DSRR funds 26,459	3/2/2021 3/2/2021	\$ 14,000	No No No No No No No No Yes Yes Yes Yes	\$ 1,100 \$ \$ 1,10	506 1,176 5,453 5,996 1,276	\$ 613 \$ 1,284 \$ 5,613 \$ 10,023 \$ - \$ 1,128 \$ - \$ 12,600	Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua	No No No No No No No No Yes	\$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Design only Under the control of the
2022 Small Diameter Water Main Replacement - South Savoy St Main Replacement (Design) 2022 2022 Small Diameter Water Main Replacement - South 2022 Small Diameter Water Main Replacement - South Utility Network Migration Utility Network Migration Replace 6 filter turbidimeters (manufacturer no longer support Replace 6 filter turbidimeters (manufacturer no longer support Replace 5 filter support Replacement Re	Cherry St Main Replacement (Design) 2022  O St Main Replacement (Design) 2022  Nye Ave Main Replacement (Design) 2022  Palm St Main Replacement (Design) 2022  Palm St Main Replacement (Design) 2022  Savoy St Main Replacement (Design) 2022  Swan St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Utility Network Migration  Utility Network Migrati	2206685 2206686 2206687 2206688 2206690 2206690 2206691 2208041 2208041 n/a 2207101 Routine	DW20-157 DW20-157 DW20-157	0.1 DSRR funds d.1 DSRR funds d.1 DSRR funds d.1 DSRR funds d.1 DSRR funds 26,459 26,459	3/2/2021 3/2/2021 3/2/2021	\$ 14,000 \$ 40,000	No No No No No No No No No Yes Yes Yes Yes	\$ 1,100 \$ \$ 1,10	506 1,176 5,453 5,996 1,276	\$ 613 \$ 1,284 \$ 5,613 \$ 10,023 \$ - \$ 1,128 \$ - \$ 12,600 \$ 39,617	Nashua Various	No No No No No No No Yes Yes	\$ 23.55 \$ 23.55	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Design only Design only Design only Design only Design only Design only Work in CWIP per audit. This project will be permanently funded as part of 2023 Capex.  Deferred to 2023 due to equipment availability.  8 Booster Pump Replacments/Rebuilds in 2022
2022 Small Diameter Water Main Replacement - South Savy St Main Replacement (Design) 2022 2022 Small Diameter Water Main Replacement - South 2022 Small Diameter Water Main Replacement - South Utility Network Migration Utility Network Migration Replace 6 filter turbidimeters (manufacturer no longer support Replace 6 filter turbidimeters (manufacturer no longer support Replace siding and soffit, boat house on WTP grounds Booster Pump replacement/rebuild Well Pump replacements	Cherry St Main Replacement (Design) 2022  D St Main Replacement (Design) 2022  Nye Ave Main Replacement (Design) 2022  Palm St Main Replacement (Design) 2022  Palm St Main Replacement (Design) 2022  Savoy St Main Replacement (Design) 2022  Swan St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Utility Network Migration  Utility Network Migrati	2206685 2206687 2206687 2206688 2206689 2206690 2206690 2206691 2208041 2208041 n/a 2207101 Routine Routine	DW20-157 DW20-157 DW20-157 DW20-157	0.1 DSRR funds 10.1 DSRR funds 26,459 26,459 26,459	3/2/2021 3/2/2021 3/2/2021 3/2/2021	\$ 14,000 \$ 40,000 \$ 25,000	No	\$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 2,000 \$ \$ 22,034 \$ \$ 27,755 \$	506 1,176 5,453 5,996 1,276 - - 12,600 44,570 27,755	\$ 613 \$ 1,284 \$ 5,613 \$ 10,023 \$ - \$ 1,128 \$ - \$ 12,600 \$ 39,617 \$ 27,755	Nashua Various Various Various	No No No No No No No No Yes Yes Yes	\$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Design only Design only Design only Design only Design only Design only Work in CWIP per audit. This project will be permanently funded as part of 2023 Capex.  Deferred to 2023 due to equipment availability.  8 Booster Pump Replacments/Rebuilds in 2022 3 Well Replacements/Rebuilds in 2022,
2022 Small Diameter Water Main Replacement - South Utility Network Migration 2012 Small Diameter Water Main Replacement - South Utility Network Migration Replace 6 filter turbidimeters (manufacturer no longer support Replace siding and soffit, boat house on WTP grounds Booster Pump replacement/rebuild Well Pump replacements  Chemical Feed pump replacements	Cherry St Main Replacement (Design) 2022  D St Main Replacement (Design) 2022  Nye Ave Main Replacement (Design) 2022  Palm St Main Replacement (Design) 2022  Palm St Main Replacement (Design) 2022  Savoy St Main Replacement (Design) 2022  Swan St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Utility Network Migration  Utility Ne	2206685 2206686 2206687 2206687 2206689 2206689 2206691 2208941 2208941 n/a 2207101 Routine Routine	DW20-157 DW20-157 DW20-157 DW20-157 DW20-157	0.1 DSRR funds 26,459 26,459 26,459 26,459	3/2/2021 3/2/2021 3/2/2021 3/2/2021 3/2/2021	\$ 14,000 \$ 40,000 \$ 25,000 \$ 10,000	No Yes Yes Yes Yes Yes Yes	\$ 1,100 \$ \$ 1,111 \$	506 1,176 5,453 5,996 1,276 - - 12,600 44,570 27,755	\$ 613 \$ 1,284 \$ 5,613 \$ 10,023 \$ \$ 1,128 \$ \$ 1,28 \$ \$ 2,7755 \$ 1,111	Nashua Various Various Various Various	No	\$ 23.55 \$ 23.78 \$ 23.78	\$ 26	Design only Design only Design only Design only Design only Design only Work in CWIP per audit. This project will be permanently funded as part of 2023 Capex.  Deferred to 2023 due to equipment availability.  8 Booster Pump Replacments/Rebuilds in 2022
2022 Small Diameter Water Main Replacement - South 2023 Small Diameter Water Main Replacement - South 2024 Small Diameter Water Main Replacement - South 2024 Small Diameter Water Main Replacement - South 2025 Small Diameter Water Main Replacement - South 2026 Small Diameter Water Main Replacement - South 2027 Small Diameter Water Main Replacement - South 2028 Small Diameter Water Main Replacement - South 2029 Small Diameter Water Main Replacement - South 2029 Small Diameter Water Main Replacement - South 2021 Small Diameter Water Main Replacement - South 2021 Small Diameter Water Main Replacement - South 2022 S	Cherry St Main Replacement (Design) 2022  D St Main Replacement (Design) 2022  Nye Ave Main Replacement (Design) 2022  Palm St Main Replacement (Design) 2022  Palm St Main Replacement (Design) 2022  Savoy St Main Replacement (Design) 2022  Swan St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Unitip Network Migration  Utility Network Migration  To Replace 6 filter turbidimeters (manufacturer no longer supports current units)  Replace missing trim and soffit along the roof line of the Boat House building on the Nashua WTP grounds  Booster Pump replacement/rebuild  Well Pump replacements  Chemical Feed pump replacements  Replace Ferric Chloride feed pumps, Nashua WTP	2206685 2206686 2206687 2206687 2206688 2206690 2206690 2206691 2208841 2208841 n/a 2207101 Routine Routine Routine	DW20-157 DW20-157 DW20-157 DW20-157 DW20-157 DW20-157	0.1 DSRR funds 0.2 DSRR funds 26,459 26,459 26,459 26,459 26,459	3/2/2021 3/2/2021 3/2/2021 3/2/2021 3/2/2021 3/2/2021	\$ 14,000 \$ 40,000 \$ 25,000 \$ 10,000 \$ 50,000	No Yes	\$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 2,100 \$ \$ 2,100 \$ \$ 2,100 \$ \$ 3 2,7755 \$ \$ 1,111 \$ \$ 1,1462 \$	506 1,176 5,453 5,996 1,276 - 12,600 44,570 27,755 1,111	\$ 613 \$ 1,284 \$ 5,613 \$ 10,023 \$ - \$ 1,128 \$ - \$ 12,600 \$ 39,617 \$ 27,755 \$ 1,111 \$ 11,462	Nashua Various Various Various Various Nashua	No	\$ 23.55 \$ 23.78 \$ 23.78 \$ 23.78	\$ 26 \$ 270	Design only Design only Design only Design only Design only Design only Work in CWIP per audit. This project will be permanently funded as part of 2023 Capex.  Deferred to 2023 due to equipment availability.  8 Booster Pump Replacments/Rebuilds in 2022 3 Well Replacements/Rebuilds in 2022,
2022 Small Diameter Water Main Replacement - South Savy St Main Replacement (Design) 2022 2022 Small Diameter Water Main Replacement - South 2022 Small Diameter Water Main Replacement - South Utility Network Migration Utility Network Migration Replace 6 filter turbidimeters (manufacturer no longer support Replace 6 filter turbidimeters (manufacturer no longer support Replace 6 filter turbidimeters) May 10 Support 10 Sup	Cherry St Main Replacement (Design) 2022  0 St Main Replacement (Design) 2022  Nye Ave Main Replacement (Design) 2022  Palm St Main Replacement (Design) 2022  Palm St Main Replacement (Design) 2022  Savoy St Main Replacement (Design) 2022  Swan St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Utility Network Migration  Utility Network Migrati	2206685 2206686 2206687 2206687 2206689 2206689 2206691 2208941 2208941 n/a 2207101 Routine Routine	DW20-157 DW20-157 DW20-157 DW20-157 DW20-157	0.1 DSRR funds 26,459 26,459 26,459 26,459	3/2/2021 3/2/2021 3/2/2021 3/2/2021 3/2/2021	\$ 14,000 \$ 40,000 \$ 25,000 \$ 10,000	No Yes Yes Yes Yes Yes Yes	\$ 1,100 \$ \$ 1,111 \$	506 1,176 5,453 5,996 1,276 - 12,600 44,570 27,755 1,111	\$ 613 \$ 1,284 \$ 5,613 \$ 10,023 \$ - \$ 1,128 \$ - \$ 12,600 \$ 39,617 \$ 27,755 \$ 1,111 \$ 11,462	Nashua Various Various Various Various	No	\$ 23.55 \$ 23.78 \$ 23.78	\$ 26	Design only Design only Design only Design only Design only Design only Work in CWIP per audit. This project will be permanently funded as part of 2023 Capex.  Deferred to 2023 due to equipment availability.  8 Booster Pump Replacments/Rebuilds in 2022 3 Well Replacements/Rebuilds in 2022,
2022 Small Diameter Water Main Replacement - South Utility Network Migration Utility Network Migration Replace 6 filter turbidimeters (manufacturer no longer support Replace Ferting Per	Cherry St Main Replacement (Design) 2022  D St Main Replacement (Design) 2022  Nye Ave Main Replacement (Design) 2022  Palm St Main Replacement (Design) 2022  Palm St Main Replacement (Design) 2022  Savoy St Main Replacement (Design) 2022  Swan St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Uthity Network Migration  Orts Replace 6 filter turbidimeters (manufacturer no longer supports current units)  Replace 6 filter turbidimeters (manufacturer no longer supports current units)  Replace 6 filter turbidimeters (manufacturer no longer supports current units)  Chemical Feed pump replacement/rebuild  Well Pump replacements  Chemical Feed pump replacements  Replace Ferric Chloride feed pumps, Nashua WTP  Replace WTP SCADA computers  Misc. Structural Improvements  Misc. Structural Improvements  Miscellaneous Equipment Purchased	2206685 2206686 2206687 2206687 2206687 2206690 2206690 2206690 2208041 2208041 n/a 2207101 Routine Routine Routine 2205517 2201956	DW20-157  DW20-157  DW20-157  DW20-157  DW20-157  DW20-157  DW20-157  DW20-157  DW20-157	0.1 DSRR funds 26,459 26,459 26,459 26,459 26,459 26,459 26,459 26,459 26,459 26,459 26,459 26,459 26,459 26,459 26,459 26,459 26,459	3/2/2021 3/2/2021 3/2/2021 3/2/2021 3/2/2021 3/2/2021 3/2/2021 3/2/2021 3/2/2021 3/2/2021	\$ 14,000 \$ 40,000 \$ 25,000 \$ 10,000 \$ 50,000 \$ 28,000 \$ 30,000 \$ 30,000	No   No   No   No   No   No   No   No	\$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 2,100 \$ \$ 2,100 \$ \$ 2,000 \$ \$ 2,000 \$ \$ 2,000 \$ \$ 2,000 \$ \$ 1,111 \$ \$ 11,462 \$ \$ 2,5805 \$ \$ 2,5805 \$ \$ 3 2,5805 \$ \$ 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	506 1,176 5,453 5,996 1,276 12,600 44,570 27,755 1,111 11,462 25,805	\$ 613 \$ 1,284 \$ 5,613 \$ 10,023 \$ - \$ 1,128 \$ - \$ 12,600 \$ 39,617 \$ 27,755 \$ 1,111 \$ 11,462	Nashua Various Various Various Various Nashua Various Various Various Nashua Nashua Various Various Nashua Nashua Various Various Nashua Various Various	No No No No No No No No Yes  Yes  Yes  Yes  Yes  Yes  Yes  Yes	\$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.78 \$ 23.78 \$ 23.78 \$ 23.78 \$ 23.78 \$ 23.78	\$ 26 \$ 270	Design only Work in CWIP per audit. This project will be permanently funded as part of 2023 Capex.  Deferred to 2023 due to equipment availability.  8 Booster Pump Replacments/Rebuilds in 2022 3 Well Replacements/Rebuilds in 2022, 1 Chemical Pump Replacement/Rebuild in 2022.  Budget money moved to a different unbudgeted project/projects. Budget money moved to a different unbudgeted project/projects. Budget money moved to a different unbudgeted project/projects.
2022 Small Diameter Water Main Replacement - South Utility Network Migration Water Main Replacement - South Utility Network Migration Replace 6 filter turbidmeters (manufacturer no longer support Replace 6 filter turbidmeters (manufacturer no longer support Replace 6 filter turbidmeters (manufacturer no longer support Replace 5 filter turbidmeters (manufacturer no longer support Replace siding and soffit, boat house on WTP grounds Booster Pump replacement/rebuild Well Pump replacements Chemical Feed pump replacements Replace Ferric Chloride feed pumps, Nashua WTP Replace WTP SCADA computers Miscellaneous Structural Improvements Miscellaneous Structural Improvements Miscellaneous SCADA/Electrical	Cherry St Main Replacement (Design) 2022  D St Main Replacement (Design) 2022  Nye Ave Main Replacement (Design) 2022  Palm St Main Replacement (Design) 2022  Palm St Main Replacement (Design) 2022  Savoy St Main Replacement (Design) 2022  Swan St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Utility Network Migration  Utility Ne	2206685 2206686 2206687 2206687 2206688 2206689 2206691 2208041 2208041 2208041 n/a 2207101 Routine Routine Routine 2205577 2201956 n/a n/a n/a	DW20-157 DW20-157 DW20-157 DW20-157 DW20-157 DW20-157 DW20-157 DW20-157 DW20-157 DW20-157	0.1 DSRR funds 26,459	3/2/2021 3/2/2021 3/2/2021 3/2/2021 3/2/2021 3/2/2021 3/2/2021 3/2/2021 3/2/2021 3/2/2021 3/2/2021	\$ 14,000 \$ 40,000 \$ 25,000 \$ 10,000 \$ 50,000 \$ 28,000 \$ 30,000 \$ 30,000 \$ 60,000	No   No   No   No   No   No   No   No	\$ 1,100 \$ \$ \$ 1,100 \$ \$ \$ 1,100 \$ \$ \$ 1,100 \$ \$ \$ \$ 1,100 \$ \$ \$ \$ 1,100 \$ \$ \$ \$ 1,100 \$ \$ \$ \$ 1,100 \$ \$ \$ \$ 1,100 \$ \$ \$ \$ 1,100 \$ \$ \$ \$ 1,100 \$ \$ \$ \$ 1,100 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	506 1,176 5,453 5,996 1,276 - - 12,600 44,570 27,755 1,111 11,462 25,805	\$ 613 \$ 1,284 \$ 5,613 \$ 10,023 \$ - \$ 1,128 \$ - \$ 12,600 \$ 39,617 \$ 27,755 \$ 1,111 \$ 11,462	Nashua Various	No No No No No No No No No Yes	\$ 23.55 \$ 23.78 \$ 23.7	\$ 26 \$ 270	Design only Work in CWIP per audit. This project will be permanently funded as part of 2023 Capex.  Deferred to 2023 due to equipment availability.  8 Booster Pump Replacments/Rebuilds in 2022 3 Well Replacements/Rebuilds in 2022, 1 Chemical Pump Replacement/Rebuild in 2022.  Budget money moved to a different unbudgeted project/projects.
2022 Small Diameter Water Main Replacement - South Utility Network Migration Utility Network Migration Replace 6 filter turbidimeters (manufacturer no longer support Replace Ferting Per	Cherry St Main Replacement (Design) 2022  D St Main Replacement (Design) 2022  Nye Ave Main Replacement (Design) 2022  Palm St Main Replacement (Design) 2022  Palm St Main Replacement (Design) 2022  Savoy St Main Replacement (Design) 2022  Swan St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Union St Main Replacement (Design) 2022  Uthity Network Migration  Orts Replace 6 filter turbidimeters (manufacturer no longer supports current units)  Replace 6 filter turbidimeters (manufacturer no longer supports current units)  Replace 6 filter turbidimeters (manufacturer no longer supports current units)  Chemical Feed pump replacement/rebuild  Well Pump replacements  Chemical Feed pump replacements  Replace Ferric Chloride feed pumps, Nashua WTP  Replace WTP SCADA computers  Misc. Structural Improvements  Misc. Structural Improvements  Miscellaneous Equipment Purchased	2206685 2206686 2206687 2206687 2206687 2206690 2206690 2206690 2208041 2208041 n/a 2207101 Routine Routine Routine 2205517 2201956	DW20-157  DW20-157  DW20-157  DW20-157  DW20-157  DW20-157  DW20-157  DW20-157  DW20-157	0.1 DSRR funds 26,459 26,459 26,459 26,459 26,459 26,459 26,459 26,459 26,459 26,459 26,459 26,459 26,459 26,459 26,459 26,459 26,459	3/2/2021 3/2/2021 3/2/2021 3/2/2021 3/2/2021 3/2/2021 3/2/2021 3/2/2021 3/2/2021 3/2/2021	\$ 14,000 \$ 40,000 \$ 25,000 \$ 10,000 \$ 50,000 \$ 28,000 \$ 30,000 \$ 30,000	No   No   No   No   No   No   No   No	\$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 1,100 \$ \$ 2,100 \$ \$ 2,100 \$ \$ 2,000 \$ \$ 2,000 \$ \$ 2,000 \$ \$ 2,000 \$ \$ 1,111 \$ \$ 11,462 \$ \$ 2,5805 \$ \$ 2,5805 \$ \$ 3 2,5805 \$ \$ 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	506 1,176 5,453 5,996 1,276 12,600 44,570 27,755 1,111 11,462 25,805	\$ 613 \$ 1,284 \$ 5,613 \$ 10,023 \$ - \$ 1,128 \$ - \$ 12,600 \$ 39,617 \$ 27,755 \$ 1,111 \$ 11,462	Nashua Various Various Various Various Nashua Various Various Various Nashua Nashua Various Various Nashua Nashua Various Various Nashua Various Various	No No No No No No No No Yes  Yes  Yes  Yes  Yes  Yes  Yes  Yes	\$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.55 \$ 23.78 \$ 23.78 \$ 23.78 \$ 23.78 \$ 23.78 \$ 23.78	\$ 26 \$ 270 \$ 608 \$ - \$ - \$ -	Design only Work in CWIP per audit. This project will be permanently funded as part of 2023 Capex.  Deferred to 2023 due to equipment availability.  8 Booster Pump Replacments/Rebuilds in 2022 3 Well Replacements/Rebuilds in 2022, 1 Chemical Pump Replacement/Rebuild in 2022.  Budget money moved to a different unbudgeted project/projects. Budget money moved to a different unbudgeted project/projects. Budget money moved to a different unbudgeted project/projects.

Pennichuck Water Works, Inc. DW 23-0115 2022 Actual QCPAC Expenditures 2/13/2023 Revised per DOE DR Sets 1, 2, and 3 5/18/2023 and 6/16/2023 and 6/29/2023

Project Name/Description	Project Description	Work Order#	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Approved Budgeted Amount	QCPAC Eligible?	Estimated Year End Project Cost as of 09/30/2022	Estimated Project Cost as of 11/30/2022	Final Project cost as of 12/31/2022	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since Feb 2022 Filing
scellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	DW20-157	26,459	3/2/2021	\$ 10,000	Yes	\$ -	\$ -	\$ -	Various	Yes	\$ 23.78	\$ -	Design only. Project deferred until 2024 when grant money will be available.
wers Dam Spillway reconstruction/increase capacity	Bowers Dam Spillway reconstruction/increase capacity	2201369	D. W	0.1 DSRR funds		\$ 1,850,000	Yes	\$ 110,263	\$ 125,000	\$ 120,140	Merrimack/Nashua	No	\$ 23.21	\$ -	Deferred due to supply chain issues and potential funding through NHDES HHDP.
hicle replacement hicle replacement	vehicle replacement vehicle replacement	2205056 n/a	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 55,000 \$ 40,000	Yes Yes	\$ 45,359	\$ 58,859	\$ 45,359	Nashua Nashua	No No	\$ 23.55 \$ 23.55	<u>\$</u> -	Deferred
paint FWPS ceiling	Re-paint FWPS ceiling	n/a n/a	DW20-157	26,459	3/2/2021	\$ 40,000	Yes	5 -			Nashua Nashua	Yes	\$ 23.55		Budget money moved to a different unbudgeted project/projects.
bon Filter Media	Carbon Filter Media	2202953	DW20-157	26,459	3/2/2021	\$ 1.300.000	Ves	\$ 1,433,000	\$ 1,433,000	\$ 1,432,922	Nashua	Yes	\$ 23.55	\$ 33.74°	budget money moved to a different dribudgeted projectiphojects.
puild Bulk Sodium Hypochlorite Piping	Rebuild Bulk Sodium Hypochlorite piping system in the bulk chemical storage area at WTP	2202391		0.1 DSRR funds	0,2,202	\$ -	Yes	\$ 6,092	\$ 6,092	\$ 6,092	Nashua	Yes	\$ 23.55	\$ 143	
chase (2) confined space gas	Purchase (2) confined space gas monitors and related equipment	2203399		0.1 DSRR funds		\$ -	Yes	\$ 3,521	\$ 3,521	\$ 3,521	Nashua	Yes	\$ 23.55	\$ 83	
chase (2) Hach DR 900 devices	Purchase (2) Hach DR 900 water testing devices	2204849	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 4,240	\$ 4,240		Nashua	Yes	\$ 23.55	\$ 100	
place valve & actuator, Pulsator	Replacement of the valve and electric actuator for Pulsator Extraction Valve 2A	2204850	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 11,269	\$ 11,269	ų	Nashua	Yes	\$ 23.55	\$ 265	
chase Underwater Remote Operated Veh.	Purchase Underwater Remote Operated Vehicle to perform tank Inspections	2204919	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 10,224 \$ 5,245	\$ 10,224		Nashua	No	\$ 23.55	\$ -	
place Radio Comm Shakespeare Tank place Soft Starter Pump 1 Taylor Falls	Replacement of the spread spectrum radio system with a cellular system  Replace Soft Starter Pump 1 Taylor Falls	2205518 2206239	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ -	Yes Ves	\$ 5,245 \$ 3,880	\$ 5,245 \$ 3,880	,	Nashua Nashua	Yes Yes	\$ 23.55 \$ 23.55	\$ 124	
ouild WTP. Polymer Feed 1 Mixer/Motor	Rebuild WTP. Polymer Feed 1 Mixer/Motor	2206239	DW20-157 DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 3,880 \$ 4,500			Nashua Nashua	Yes	\$ 23.55	Ų /	
lace Uranium Treatment System	Replace Uranium Treatment System	2200240	DW20-157	26,459	3/2/2021	\$ -	Ves	\$ -	\$ 4,300 \$ 22,942		Derry	Ves	\$ 23.55	\$ 565	Existing Uranium Treatment vessel developed a leak. Vessell replaced. Existing vessel must be disposed of licensed landfill. Disposal will happen in 2023. New Vessel in service.
lace Main Breaker Pump 1 Merrimack River	Replace 600 amp Main Breaker Pump 1 Merrimack River	2207860	DW20-157	26,459	3/2/2021	\$ -	Yes	S -	\$ 3,886	\$ 3,886	Nashua	Yes	\$ 23.55	\$ 92	
place 2 6in Sys. Iso Valve at Drew Woods	Replace 2 6in System Isolation Valves at Drew Woods	2207867	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 3,857	\$ 3,857	\$ 3,857	Derry	Yes	\$ 24.62	\$ 95	
chase New TOC Analyzer	Purchase New TOC Analyzer	2208043	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ -	\$ -	\$ -	Nashua	Yes	\$ 23.55	\$ -	Not complete until 2023.
place Heat Circulator Pump at WTP	Replace Heat Circulator Pump at WTP	2208044	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ -	\$ 6,000	,	Nashua	Yes	\$ 23.55		
chase New Wach's Trav-L-Vaccum & Trailer	Purchase New Wach's Trav-L-Vaccum & Trailer	2208178		0.1 DSRR funds		\$ -	Yes	\$ -	\$ 29,950		Nashua	No	\$ 23.55		
lace Chlorine day tank #2, Nashua WTP lundant VPN Project	Replace Chlorine day tank #2, Nashua WTP  Replace current Firewall and add a second firewall and internet feed at Distribution	2209086 2201937	DW20-157	26,459 0.1 DSRR funds	3/2/2021	\$ - \$ 14.000	Yes	\$ - \$ 13.772	\$ 3,872 \$ 13,772	,	Nashua Nashua	Yes No	\$ 23.55 \$ 23.55		
Implementatin Project	2022 CMMS PLL Implementation CO	2201957		0.1 DSRR funds		\$ 10,000	Yes	\$ 13,7/2 \$ 10,139	\$ 13,772 \$ 10.139		Nashua Nashua	No No	\$ 23.55 \$ 23.55		
M	On premise appliance that will sift through server logs looking for anomylies and notify IT of issues.	n/a		0.1 DSRR funds		\$ 40,000	Yes	\$ 10,139	\$ 10,139	\$ 10,139	Nashua	No	\$ 23.55	_	Deferred to 2023
neras for Plant	Update and add additional cameras at WTP and pond intakes to enhanced security	2201772		0.1 DSRR funds		\$ 137,000	Yes	\$ 29,725	\$ 29,725	\$ 29,725	Nashua	No	\$ 23.55	_	Remainder of work (\$100,000) to be completed in 2023.
alization of Engineering Applications	Virtual desktop environment for Engineering so that a user can work anywhere with an network	2207263		0.1 DSRR funds		\$ 83,000	Yes	\$ 44,000	\$ 44,000	\$ 51,001	Nashua	No			
0 0 11	connection without the need for high end desptops or laptops.												\$ 23.55	S -	
ondary Production Storage	Additional storage to our production environment	2203420		0.1 DSRR funds		\$ 52,000	Yes	\$ 22,147	\$ 22,147	\$ 22,147	Nashua	No	\$ 23.55	S -	
am Back Licensing to support SCADA Servers	Standardization of Backup software for SCADA servers to be what the rest of the Company uses.	n/a		0.1 DSRR funds		\$ 16,000	Yes	S -	\$ -	\$ -	Nashua	Yes	\$ 23.55	S -	No hardware required. Annual subscription, expensed.
Virtual Server	Due to our strategy of moving towards a virtualized infrastructure, this would give us the necessary redundency incase on of our existing Virtual servers fails.	2203421		0.1 DSRR funds		\$ 45,000	Yes	\$ 30,946	\$ 30,955	\$ 30,955	Nashua	No	\$ 23.55	S -	
ardroom Camera and Microphone	Needed as the equipment currently used from the previous facility is not providing a quality experience	2207849		0.1 DSRR funds		\$ 15,000	Yes	\$ 16,000	\$ 16,000	\$ 15.489	Nashua	No	\$ 23.55	s -	Equipment arrived. Installation completed in December.
late Audio in Distribution Lunch/Training room	As we are doing more training at this location, additional configuration changes are needed.	n/a		0.1 DSRR funds		\$ 14,000	Yes	S -	\$ -	\$ -	Merrimack	No	\$ 22.87	S -	Budget money used for various software projects noted below.
cellaneous Software	Miscellaneous Software	n/a		0.1 DSRR funds		\$ 12,000	Yes	\$ -	\$ -	\$ -	Nashua	No	\$ 23.50	\$ -	Budget money used for various hardware projects noted below.
cellaneous Hardware	Miscellaneous Hardware	n/a		0.1 DSRR funds 0.1 DSRR funds		\$ 22,000	Yes	S -	\$ -	\$ -	Nashua	No	\$ 23.55	S -	Budget money moved to a different unbudgeted project/projects.
Updates for Distribution 2022 CO	AV Updates for Distribution 2022 CO	2200432 2201235		0.1 DSRR funds 0.1 DSRR funds		\$ -	Yes	\$ 4,880 \$ 1,475	\$ 4,880 \$ 1,475		Merrimack	No No	\$ 22.87 \$ 23.78		Misc Hardware budget
2 Laptops for Remote Workers CO 2 SCADA Network Update CO	2022 Laptops for Remote Workers CO 2022 SCADA Network Update CO	2201235 2201333		0.1 DSRR funds		\$ -	Yes	\$ 1,4/5 \$ 87,177	\$ 1,4/5 \$ 87,177	\$ 1,4/5 \$ 88.223	Various	No Yes	\$ 23.78 \$ 23.55	\$ -	Misc Hardware budget
top for New Employee (IS)	Laptop for New Employee (IS)	2201333		0.1 DSRR funds		ş -	Yes	\$ 87,177 \$ 2,081	\$ 2,081		Nashua Nashua	No.	\$ 23.55 \$ 23.55	\$ 2,078	Misc Hardware budget
work Load Balancer	Network Load Balancer for VPN connections	2201833		0.1 DSRR funds		\$ -	Ves	\$ 6,780	\$ 6,780		Nashua	No	\$ 23.55	s -	Misc software budget
ile Device Purchases/Upgrades	Upgrading Users Mobile Devices	2205399		0.1 DSRR funds		\$ -	Yes	\$ 55,000	\$ 47,853		Various	No	\$ 23.78	S -	moo oottaa o baagot
acement Laptop for IS Employee	Replacement Laptop for IS Employee	2207262		0.1 DSRR funds		\$	Yes	\$ 2,559	\$ 2,559		Nashua	No	\$ 23.55		Misc Hardware budget
mTotal LMS Implementation	SumTotal LMS Implementation	2209088		0.1 DSRR funds		\$ -	Yes	\$ -	\$ 9,006	\$ 18,012	Nashua	No	\$ 23.55	\$ -	Misc software budget
Vehicle for PWSC Employee	New Vehicle for PWSC Employee	2206415		0.1 DSRR funds		\$ -	Yes	\$ 29,012	\$ 29,013	ψ 22,012	Nashua	No	\$ 23.55		
v Cubicle - Accounting Department	New Cubicle - Accounting Department	2209030		0.1 DSRR funds		\$ -	Yes	\$ -	\$ -	\$ 5,220	Nashua	No	\$ 23.55		
cial Capital Project	New Laptop For Employee	2209703		0.1 DSRR funds 0.1 DSRR funds		\$ -	Yes	5 -	\$ -	\$ 1,269	Nashua	No	\$ 23.55	5 -	
ecial Capital Project rden Street	Rebuild Soft Starter Pump #2 Merrimack River Station  Reconnect Nashua City Hall	2300293 2000388		0.1 DSRR funds		\$ -	Yes	ş -	\$ -	\$ 12,124 \$ 1,215	Merrimack Nashua	Yes Yes	\$ 22.87 \$ 23.55	\$ 277	
agua Avenue	Design Only	2000388		0.1 DSRR funds		\$ -	1es Voc	\$	ş - S	\$ 1,215 \$ 10,050	Nashua Nashua	Yes No	\$ 23.55 \$ 23.55	s 25	
on Avenue Main Replacements	Faxon Avenue Main Replacements	2101749		0.1 DSRR funds		š -	Yes	s -	s -	\$ 10,050 \$ 1,233	Nashua	Yes	\$ 23.55 \$ 23.55	s 20	
on Avenue Main Replacements	Faxon Avenue Main Replacements	2105580		0.1 DSRR funds		\$ -	Yes	s -	s -	\$ 2,089	Nashua	Yes	\$ 23.55	\$ 49	
Updates for Distribution	AV Updates for Distribution	2108535		0.1 DSRR funds		\$	Yes	S -	\$ -	\$ 8,854	Merirmack	No	\$ 22.87	\$ -	
phill Avenue	Design Only	2109597		0.1 DSRR funds		\$ -	Yes	\$	\$ -	\$ 1,902	Nashua	No	\$ 23.55	\$ -	
int Pleasant Street	Design Only	2109598		0.1 DSRR funds		\$ -	Yes	S -	\$ -	\$ 4,072	Nashua	No	\$ 23.55		
ch Street	Design Only	2109599		0.1 DSRR funds		\$ -	Yes	\$ -	\$ -	\$ 3,424	Nashua	No	\$ 23.55		
lette Street	Design Only	2109758 2109759		0.1 DSRR funds		\$ -	Yes	5 -	5 -	\$ 2,939 \$ 1.111	Nashua	No No	\$ 23.55 \$ 23.55		
lley Street gewood Hills Drive	Design Only	2109759 2109760		0.1 DSRR funds 0.1 DSRR funds		ъ - е	Yes Yes	3 -	\$ -	\$ 1,111 \$ 668	Nashua Nashua	No No	\$ 23.55 \$ 23.55	ş -	
gewood Hills Drive ainage	Design Only Paid out in 2022 on retainage held on 2023 projects.	2109/60 N/A	DW20-157	0.1 DSRR funds 26.459	3/2/2021	s -	Yes Yes	\$ 190,342	\$ - \$ 231.442		Nashua Various	No No	\$ 23.55 \$ 23.78	\$	
ainage	Held on various projects listed above. Will be paid out in 2023.	N/A N/A	DW20-157 DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 190,342 \$ (400.819)	\$ (370,008)	\$ 4/9,3/1 \$ (122,169)	Various Various	No.	\$ 23.78	s -	
ected short term interest on FALOC	Interest incurred to finance 2022 Capex until permanent financing is achieved	N/A	DW20-157	26,459	3/2/2021	\$ 155,000	Yes	\$ 207,000	\$ 207,000		N/A	No	N/A	S -	Interest rate on FALOC Balance was 1.836% at beginning of 2022 and was 4.865% at year end.
	and the same of th				Expenditure Budget -			\$ 5,819,017			Projected Prope			\$ 114,271	
		Т	otal Projected Bond	Total for 0.1 D	OSRR 2022 Projects - PAC Capex for 2022 - PAC Capex for 2022 -	\$ 150,000 \$ 11,616,500		\$ 151,851 \$ 5,667,166	\$ 793,486	\$ 940,380			less		for Milford Booster. Milford to pay for this work directly.  This note only applied to initial filing. Milford is now building the station and no Milford costs are in the QCPAC

<sup>1.</sup> Tax rate is the sum of the Dec 2022 local community rate plus the Statewide Utility tax rate of \$6.60/\$1000 5. Available 0.1 DSRR at end of 2022 \$

940,380 will be used to fund projects based on current projection that 2022 PWW RSF balance exceeds target Combined RSF amount of \$2,850,000

Years @ Years @

Estimated Bond Terms (Bonds sold on April 26 2023) -Estimated SRF Terms -

5.005716% resulting in P&I of \$
3.38% resulting in P&I of \$
Total Projected P&I - \$

Exhibit DLW 1-5 - PWW 2023 QCPAC Schedules 2022-2025 - DR-3 Page 3 of 9 2022 QCPAC Additions

368,898 \$ 347,440 \$ 377,666

Pennichuck Water Works, Inc. DW 23-015 2023 Projected QCPAC Expenditures 2/10/2023 Revised per DOE DR Sets 1 and 2 5/18/2023 and 6/16/2023

Project Name/Description	Project Description	Work Order #	Financing Docket	NHPUC Order No.	Date of NHPUC Order	Approved Budgeted Amount	QCPAC Eligible?	Community	Taxable	Pro	QCPAC Eligible operty Tax Expense
,,,,,	New Dump Truck to Replace #7, 2009 Peterbuiltt 335, 100K Miles, 6000 hrs Continuous High Maintenance, suspension	work Order #	DW20-157	26,459	3 /2 /2021		B	1		()	Γ
Replacement Dump Truck	issues, electrical issues	Bond		20,439	3/2/2021	\$ 225,000	Yes	Various	No	\$ 23.78 \$	-
2023 New Services (10)	Single Family, Owner Build, New Homes	Bond	DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Various	Yes	\$ 23.78 \$	1,189
2023 Renewed Services (20)	Replacement of Failed Services	Bond	DW20-157	26,459	3/2/2021	\$ 110,000	Yes	Various	Yes	\$ 23.78 \$	2,616
2023 Hydrants (10)	Replacement of non functional hydrants  Replacement of Failed Gate Valves	Bond Bond	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 60,000 \$ 80,000	Yes	Various	Yes	\$ 23.78 \$ \$ 23.78 \$	1,427 1,902
2023 Gates (20) 2023 Radios (200)	New Radios for new customers (200)	Bond	DW20-157	26,459	3/2/2021	\$ 80,000 \$ 25,000	Yes Yes	Various Various	Yes Yes	\$ 23.78 \$ \$ 23.78 \$	1,902 595
2023 Radios (2800)	Year 3 of 10 Replacment of all PWW Radios installed in 2007 (2800) by contractor	Bond	DW20-157	26,459	3/2/2021	\$ 25,000	Yes	Various	Yes	\$ 23.78 \$	8,656
2023 Meters (Growth) 5/8"-2" - Core & CWS (TBD)	New meters for new customers (200). Replacement of failed meters (200)	Bond	DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Various	Yes	\$ 23.78 \$	1,189
2023 Meter - PFOA (25)	New Meters for PFOA customers (25)	Bond	DW20-157	26,459	3/2/2021	\$ 3,125	Yes	Various	Yes	\$ 23.78 \$	74
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles #84 2014 Ford F350 100K+ miles, body rot	Bond	DW20-157	26,459	3/2/2021	\$ 85,000	Yes	Merrimack	No	\$ 22.87 \$	-
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles #9 2014 Ford F350 110K+ miles, body rot	Bond	DW20-157	26,459	3/2/2021	\$ 85,000	Yes	Merrimack	No	\$ 22.87 \$	-
Replacment 1/2 Ton Pickup	New Full Sized Pickup to Replace existing Veh #22 2013 Chevy Equiox w/150K miles that has been retired due to not passing inpsection	Bond	DW20-157	26,459	3/2/2021	\$ 55,000	Yes	Merrimack	No	\$ 22.87 \$	-
Replacment 1/2 Ton Pickup	New Full Sized Pickeup to replace Disconnect Vehicle #346 - 2017 Chevy Express 2500 Van w/67K miles - that will become Hydrant Painting Van	Bond	DW20-157	26,459	3/2/2021	\$ 55,000	Yes	Merrimack	No	\$ 22.87 \$	-
Protectus Meter Upgrade	Protectus Meter Upgrade	Bond	DW20-157	26,459	3/2/2021	\$ 30,000	Yes	Merrimack	Yes	\$ 22.87 \$	-
Miscellaneous Construction Equipment	Miscellaneous Construction Equipment	Bond	DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Merrimack	No	\$ 22.87 \$	-
Replacement Foreman's Truck Truck	New Forman's Truck to replace #357- 2018 Kenworth T170, 6K Hrs, 70K Miles - Continuous maintenance, electrical issues, compressor needs to be replaced, No onboard air system, underpowered engine.	Bond	DW20-157	26,459	3/2/2021	\$ 275,000	Yes	Merrimack	No	\$ 22.87 \$	_
Ford Meter Test Bench Upgrade	Upgrade of Ford Meter Test Bench to replace failed computer components and associated hardware fittings	Bond	DW20-157	26,459	3/2/2021	\$ 90,000	Yes	Nashua	No	\$ 23.55 \$	-
N360 Meter Reading Upgrade	Upgrade of Hardware & Software needed as part of the N360 meter reading upgrade - 13 R900 Belt Clip Tranceivers, 3 MRX920 Mobile Data Collectors, N360 Software subscription for 38K customers.	Bond	DW20-157	26,459	3/2/2021	\$ 155,000	Yes	Nashua	Yes	\$ 23.55 \$	3,650
Swan Street	Replacing 160 LF of 1953 2" main with 4" PVC	Bond	DW20-157	26,459	3/2/2021	\$ 40,350	Yes	Nashua	Yes	\$ 23.55 \$	950
Chapman St.	Replacing 160 LF of 1948 1.25" main with 4" PVC	Bond	DW20-157	26,459	3/2/2021	\$ 40,350	Yes	Nashua	Yes	\$ 23.55 \$	950
Cote Ave	Replacing 470 LF of 1938 8" CI main with 8" DI	Bond	DW20-157	26,459	3/2/2021	\$ 129,700	Yes	Nashua	Yes	\$ 23.55 \$	3,054
Savoy St.	Replacing 140 LF of 1947 1.25" main with 6" DI	Bond	DW20-157	26,459	3/2/2021	\$ 42,250	Yes	Nashua	Yes	\$ 23.55 \$	995
Walnut St.	Replacing 1450 LF of 1888-1951 6" CI main with 12" DI	Bond	DW20-157	26,459	3/2/2021	\$ 453,000	Yes	Nashua	Yes	\$ 23.55 \$	10,668
Salem St.	Replacing 1450 LF of 1888-1927 4" & 6" CI main with 6" DI  Replacing 450 LF of 1954 1.5" & 2" main with 4" PVC	Bond	DW20-157 DW20-157	26,459 26,459	3/2/2021	\$ 101,750 \$ 184,000	Yes	Nashua	Yes	\$ 23.55 \$ \$ 23.55 \$	2,396
Dawn St. Amory St.	Replacing 450 LF of 1887 8" CI main with 12" DI	Bond Bond	DW20-157	26,459	3/2/2021 3/2/2021	\$ 164,000	Yes Yes	Nashua Nashua	Yes Yes	\$ 23.55 \$	4,333 4,027
Union St.	Replacing 570 EF of 1909-1978 1.25"-4" main with 12" DI	Bond	DW20-157	26,459	3/2/2021	\$ 171,000	No	Milford	No	\$ 23.55 \$	4,027
Berkelev St.	Replacing 3080 LF of 1888-1912 6" CI main with 8" DI	Bond	DW20-157	26,459	3/2/2021	\$ 807.250	Yes	Nashua	Yes	\$ 23.55 \$	19,011
Temple St.	Replacing 975 LF of 1888 8" CI main with 12" DI	Bond	DW20-157	26,459	3/2/2021	\$ 311,500	Yes	Nashua	Yes	\$ 23.55 \$	7,336
Raymond St.	Replacing 2300 LF of 1887 8" CI main with 8" DI	Bond	DW20-157	26,459	3/2/2021	\$ 597,500	Yes	Nashua	Yes	\$ 23.55 \$	14,071
Hanover St.	Replacing 840 LF of 1888 4" CI main with 8" DI	Bond	DW20-157	26,459	3/2/2021	\$ 247,000	Yes	Nashua	Yes	\$ 23.55 \$	5,817
Blossom St.	Replacing 2395 LF of 1893-1916 4" & 6" CI main with 8" DI	Bond	DW20-157	26,459	3/2/2021	\$ 627,000	Yes	Nashua	Yes	\$ 23.55 \$	14,766
Kendrick Street Kessler Farm Tank - landscape items	Carry over shared paving cost with City of Nashua - Spring 2023  10+/- trees died and need replaced in spring 2023 - funds held in retainage until complete	Bond Bond	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 12,000 \$ 10,000	Yes Yes	Nashua Nashua	Yes Yes	\$ 23.55 \$ \$ 23.55 \$	283 236
NH Rte. 101A - Amherst. NH	Total Project Cost exclusive of NHDOT contribution	Bond	DW20-157	26,459	3/2/2021	\$ 550.000	Yes	Nashua	Yes	\$ 23.55 \$	12,953
Twin Ridge Interconnection	150 of 8" DI with Meter Vault blus Station Demolition and Well Abandonment	SRF	DW 22-033	26,673	8/29/2022	\$ 270,000	Yes	Plaistow	Yes	\$ 24.40 \$	6,588
Sweet Hill Interconnection	1600 LF of new 4 inch PVC watermain and Treatment Equipment	SRF	DW 22-033	26,673	8/29/2022	\$ 420,000	Yes	Plaistow	Yes	\$ 24.40 \$	10,248
Parrish Hills HP Water Main	Create new HP area with 1600 LF of Water Main and Check Valves	0.1		0.1 DSRR Funds		\$ 40,000	Yes	Nashua	No	\$ 23.55 \$	-
Parrish Hills HP Booster Station	New Domestic flow and pressure booster station	0.1		0.1 DSRR Funds		\$ 20,000	Yes	Nashua	No	\$ 23.55 \$	-
Misc. Nashua, NH Emergency Sewer	Projects associated with the City of Nashua Sewer Replacement program (Design)	0.1		0.1 DSRR Funds		\$ 8,000	Yes	Nashua	No	\$ 23.55 \$	-
Ferson St.	Replacing 430 LF of 1931-1938 8" CI main with 12" DI - Design only. Construction in 2024	0.1		0.1 DSRR Funds		\$ 4,000	Yes	Nashua	No	\$ 23.55 \$	-
W. Otterson St. Ritter St.	Replacing 260 LF of 1936 8" CI main with 8" DI- Design only. Construction in 2024  Replacing 210 LF of 1893 6" CI main with 8" DI- Design only. Construction in 2024	0.1	+	0.1 DSRR Funds 0.1 DSRR Funds		\$ 4,000 \$ 2,000	Yes Yes	Nashua Nashua	No No	\$ 23.55 \$ \$ 23.55 \$	-
Dexter St.	Replacing 1885 LF of 1941-1949 6" & 8" CI main with 8" DI- Design only. Construction in 2024	0.1		0.1 DSRR Funds		\$ 2,000	Yes	Nashua Nashua	No No	\$ 23.55 \$	-
Thomas St.	Replacing 1005 LF of 1941-1949 6 & 6 CHildin with 6" DI- Design only. Construction in 2024  Replacing 420 LF of 1908-1926 6" CI main with 6" DI- Design only. Construction in 2024	0.1	+	0.1 DSRR Funds		\$ 4,000	Yes	Nashua	No	\$ 23.55 \$	-
Sawyer St.	Replacing 1620 LF of 1896-1907 6" CI main with 8" DI- Design only. Construction in 2024	0.1	1	0.1 DSRR Funds		\$ 6,000	Yes	Nashua	No	\$ 23.55 \$	_
Balcom St.	Replacing 1225 LF of 1911-1923 8" CI main with 8" DI- Design only. Construction in 2024	0.1		0.1 DSRR Funds		\$ 5,000	Yes	Nashua	No	\$ 23.55 \$	-
Crown St.	Replacing 225 LF of 1901 6" CI main with 8" DI- Design only. Construction in 2024	0.1		0.1 DSRR Funds		\$ 2,000	Yes	Nashua	No	\$ 23.55 \$	-
Hobbs Ave	Replacing 490 LF of 1906 6" CI main with 8" DI- Design only. Construction in 2024	0.1		0.1 DSRR Funds		\$ 3,000	Yes	Nashua	No	\$ 23.55 \$	-
Palm St.	Replacing 420 LF of 1890 4" CI main with 6" DI- Design only. Construction in 2024	0.1		0.1 DSRR Funds		\$ 3,000	Yes	Nashua	No	\$ 23.55 \$	-
Elm St.	Replacing 330 LF of 1892 6" CI main with 8" DI- Design only. Construction in 2024	0.1	1	0.1 DSRR Funds		\$ 3,000	Yes	Nashua	No	\$ 23.55 \$	-
Newbury St. McKean St.	Replacing 2250 LF of 1888-1940 6" & 8" CI main with 8" DI- Design only. Construction in 2024  Replacing 1690 LF of 1888 6" CI main with 8" DI- Design only. Construction in 2024	0.1 0.1	+	0.1 DSRR Funds 0.1 DSRR Funds		\$ 6,000 \$ 5,000	Yes	Nashua	No No	\$ 23.55 \$ \$ 23.55 \$	-
McKean St. Coburn Woods	Replacing 1690 LF of 1888 6" CI main with 8" DI- Design only. Construction in 2024  Replacing remaining 2" PE mains that were not completed in 2021- Design only. Construction in 2024	0.1	+	0.1 DSRR Funds 0.1 DSRR Funds		\$ 5,000	Yes Yes	Nashua Nashua	No No	\$ 23.55 \$ \$ 23.55 \$	-
Jones Ct	Replacing 180 LF of 1.5 inch Galv with 4inch PVC	Bond	DW20-157	26,459	3/2/2021	\$ 10,000	Yes	Nashua Nashua	Yes	\$ 23.55 \$	1,554
Troy St.	Abandon Replacing 290 LF of 1.5" & 2"	Bond	DW20-157	26,459	3/2/2021	\$ 27,000	Yes	Nashua	Yes	\$ 23.55 \$	636
Broadview Ave	Replacing 435 feet of 1.5 & 8 inch with4 inch PVC & 8 inch DI	Bond	DW20-157	26,459	3/2/2021	\$ 168,000	Yes	Nashua	Yes	\$ 23.55 \$	3,956
Ritter St.	Replacing 210 LF of 1893 6" CI main with 8" DI	Bond	DW20-157	26,459	3/2/2021	\$ 88,000	Yes	Nashua	Yes	\$ 23.55 \$	2,072
Dexter St.	Replacing 1885 LF of 1941-1949 6" & 8" CI main with 8" DI	Bond	DW20-157	26,459	3/2/2021	\$ 731,000	Yes	Nashua	Yes	\$ 23.55 \$	17,215
Crown St.	Replacing 225 LF of 1901 6" CI main with 8" DI	Bond	DW20-157	26,459	3/2/2021	\$ 95,000	Yes	Nashua	Yes	\$ 23.55 \$	2,237

Pennichuck Water Works, Inc. DW 23-015 2023 Projected QCPAC Expenditures 2/10/2023 Revised per DOE DR Sets 1 and 2 5/18/2023 and 6/16/2023

Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Approved Budgeted Amou	QCPAC nt Eligible?	Community	Taxable	Pr	QCPAC Eligible roperty Tax Expense
Hobbs Ave	Replacing 490 LF of 1906 6" CI main with 8" DI	Bond	DW20-157	26,459	3/2/2021	\$ 194,00	00 Yes	Nashua	Yes	\$ 23.55 \$	4,569
Elm St.	Replacing 330 LF of 1892 6" CI main with 8" DI	Bond	DW20-157	26,459	3/2/2021	\$ 135,00	00 Yes	Nashua	Yes	\$ 23.55 \$	3,179
Newbury St.	Replacing 2250 LF of 1888-1940 6" & 8" CI main with 8" DI	Bond	DW20-157	26,459	3/2/2021	\$ 866,00	00 Yes	Nashua	Yes	\$ 23.55 \$	20,394
Water Treatment Facility Chemical Feed and Storage	Final Design, Permitting and Bidding	0.1		0.1 DSRR Funds	•	\$ 600,00	00 Yes	Nashua	No	\$ 23.55 \$	-
English Woods Alternative Source Interconnection	Interconnection of the English Woods Station to the Donald Street Area with building expansion to remove chloramines	Bond	DW20-157	26,459	3/2/2021	\$ 350,00	00 Yes	Beford	Yes	\$ 23.03 \$	8,061
PWW RRA- ERP	Implement Recommendations Evaluated in 2021	Bond	DW20-157	26,459	3/2/2021	\$ 400,00	00 Yes	Various	Yes	\$ 23.78 \$	9,512
Trimble GPS and Water (flow, level, quality) Monitoring Equipment	Level Monitors, Pressure Monitors and Flow Monitors	Bond	DW20-157	26,459	3/2/2021	\$ 40,00	00 Yes	Various	No	\$ 23.78 \$	-
Engineering Vehicle	SUV Replaces 2010 SUV #33 with over 118,000 miles. Deferred from 2022	Bond	DW20-157	26,459	3/2/2021	\$ 30,00	00 Yes	Nashua	No	\$ 23.55 \$	-
Engineering Vehicle	SUV Relpaces (#34) 2010 with over 196,000 miles. Deferred from 2022	Bond	DW20-157	26,459	3/2/2021	\$ 30,00	00 Yes	Nashua	No	\$ 23.55 \$	-
Merrimack River Watershed Council	Grant Match with other Stakeholders \$40k year 2 of 5.	0.1		0.1 DSRR Funds		\$ 40,00	00 Yes	Various	No	\$ 23.78 \$	-
Investment in Developer Services	1x Annual Revenue	Bond	DW20-157	26,459	3/2/2021	\$ 100,00	00 Yes	Various	Yes	\$ 23.78 \$	2,378
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	Bond	DW20-157	26,459	3/2/2021	\$ 40,00		Various	Yes	\$ 23.78 \$	951
Well Pump replacements	Well Pump replacements	Bond	DW20-157	26,459	3/2/2021	\$ 25,00	00 Yes	Various	Yes	\$ 23.78 \$	595
Chemical Feed pump replacements	Chemical Feed pump replacements	Bond	DW20-157	26,459	3/2/2021	\$ 10,00	00 Yes	Various	Yes	\$ 23.78 \$	238
Replace Radio Comms, various stations	Replace Radio Comms, various stations	Bond	DW20-157	26,459	3/2/2021	\$ 25,00	00 Yes	Various	Yes	\$ 23.78 \$	595
Replace Roof, backwash return pump station	Replace Roof, backwash return pump station	Bond	DW20-157	26,459	3/2/2021	\$ 20,00	00 Yes	Nashua	Yes	\$ 23.55 \$	471
Misc. Structural Improvements	Misc. Structural Improvements	Bond	DW20-157	26,459	3/2/2021	\$ 30,00	00 No	Varioius	Yes	\$ 23.78 \$	713
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased	Bond	DW20-157	26,459	3/2/2021	\$ 30,00	00 Yes	Various	Yes	\$ 23.78 \$	713
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	Bond	DW20-157	26,459	3/2/2021	\$ 60,00	00 No	Various	Yes	\$ 23.78 \$	1,427
Rebuild 1 High lift/Intermediate pump	Rebuild 1 High lift/Intermediate pump	Bond	DW20-157	26,459	3/2/2021	\$ 50,00	00 Yes	Nashua	Yes	\$ 23.55 \$	1,178
WTP Structural/HVAC	WTP Structural/HVAC	Bond	DW20-157	26,459	3/2/2021	\$ 60,00	00 Yes	Nashua	Yes	\$ 23.55 \$	1,413
Purchase new lab equipment	Purchase new lab equipment	Bond	DW20-157	26,459	3/2/2021	\$ 20,00	00 Yes	Nashua	No	\$ 23.55 \$	-
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	Bond	DW20-157	26,459	3/2/2021	\$ 10,00	00 Yes	Various	Yes	\$ 23.78 \$	238
Replace Water Supply Vehicle	vehicle replacement #39, 2012 w/ 120,000 + miles	Bond	DW20-157	26,459	3/2/2021	\$ 60,00	00 Yes	Nashua	No	\$ 23.55 \$	-
Replace Water Supply Vehicle	vehicle replacement #40 2014 w/>100K miles, rust	Bond	DW20-157	26,459	3/2/2021	\$ 55,00	00 Yes	Nashua	No	\$ 23.55 \$	-
Re-paint FWPS ceiling	Re-paint FWPS ceiling	Bond	DW20-157	26,459	3/2/2021	\$ 40,00	00 Yes	Nashua	Yes	\$ 23.55 \$	942
Replace 6 filter turbidimeters (manufacturer no longer supports currer	nt .		DW20-157	26,459	2 /2 /2021						
units)	Replace 6 filter turbidimeters (manufacturer no longer supports current units)	Bond	DW20-15/	20,459	3/2/2021	\$ 30,00	00 Yes	Nashua	Yes	\$ 23.55 \$	707
Replace Filter Media 5A thru 6B	Replace Filter Media 5A thru 6B	Bond	DW20-157	26,459	3/2/2021	\$ 600,00	00 Yes	Nashua	Yes	\$ 23.55 \$	14,130
Cameras for WTP	Cameras for WTP	0.1		0.1 DSRR Funds		\$ 106,00	00 Yes	Nashua	Yes	\$ 23.55 \$	2,496
ESRI Utility Network	ESRI Utility Network	Bond	DW20-157	26,459	3/2/2021	\$ 253,00	00 Yes	Various	No	\$ 23.78 \$	-
Distribution Intercom and Camera update addition	camera DVR system that is not under maintenance and should be updated due to age.	Bond	DW20-157	26,459	3/2/2021	\$ 75,00	00 Yes	Merrimack	Yes	\$ 22.87 \$	1,715
SEIM	On premise appliance that will sift through server logs looking for anomylies and notify IT of issues.	Bond	DW20-157	26,459	3/2/2021	\$ 40,00	00 Yes	Nashua	No	\$ 23.55 \$	-
Replacement server for Nova	few years . Otherwise, this system and its sister will need to be replaced in 2024 because they will be 7 years old.	Bond	DW20-157	26,459	3/2/2021	\$ 40,00	00 Yes	Nashua	No	\$ 23.55 \$	-
IT User Hardware	Replacement Desktop Hardware for Jason, and Laptop fo Steve	Bond	DW20-157	26,459	3/2/2021	\$ 6,00	00 Yes	Various	No	\$ 23.78 \$	-
Clicksoft Replacement Project	Due to the retirement of ClickSoft by the vendor, a replacement must be purchased and implemented.	Bond	DW20-157	26,459	3/2/2021	\$ 343,00	00 Yes	Various	No	\$ 23.78 \$	-
iPad replacements	Replacement of iPad hardware as it becomes obsolete for field use.	Bond	DW20-157	26,459	3/2/2021	\$ 55,00	00 Yes	Varioius	No	\$ 23.78 \$	
DoForms Replacement/Clarios	Replace Existing DoForms with Clarios Data collection for WTP field staff	Bond	DW20-157	26,459	3/2/2021	\$ 40,00	00 Yes	Various	No	\$ 23.78 \$	-
Miscellaneous Software	Miscellaneous Software	Bond	DW20-157	26,459	3/2/2021	\$ 14,00	00 Yes	Nashua	No	\$ 23.55 \$	-
Miscellaneous Hardware	Miscellaneous Hardware	Bond	DW20-157	26,459	3/2/2021	\$ 22,00	00 Yes	Nashua	No	\$ 23.55 \$	-
Projected short term interest on FALOC	Interest incurred to finance 2023 Capex until permanent financing is achieved	N/A	DW20-157	26,459	3/2/2021	\$ 303,00	00 Yes	N/A	No	N/A \$	
		Pennichuck Wa	ter Works Projected 2	2023 Total Capital E	xpenditure Budget -	\$ 13,414,7	75	Projected Prop	erty Tax Expens	e associated with \$	244,264

Total for 0.1 DSRR 2023 Projects - \$ 877,000

Total Projected Bond funded PWW QCPAC Capex for 2023 - \$ 11,997,775 minu sthe cost of the Milford Booster Station of \$ Total Projected NHDES SRF/DWGTF funded PWW QCPAC Capex for 2023 - \$ 540,000 Milford to pay for and finance the Milford booster station

Estimated Bond Terms (Bonds to be sold in April 2024) - 30 Years @ 5.50% resulting in P&I of \$ 825,512

NHDES SRF terms - 20 Years @ 1.256% resulting in P&I of \$ 30,701

Utility tax rate of \$6.60/\$1000

Pennichuck Water Works, Inc. DW 23-015 2024 Projected QCPAC Expenditures 2/13/2023 Revised per DOE DR Set 1 5/18/2023

Project Name/Description	Project Description	No.	NHPUC Order No.	Date of NHPUC Order	Approved Budgeted Amount	QCPAC Eligible?	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense
2024 New Services (10)	Single Family, Owner Build, New Homes	DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Various	Yes	\$ 23.78	\$ 1,189
2024 Renewed Services (20)	Replacement of Failed Services	DW20-157	26,459	3/2/2021	\$ 110,000	Yes	Various	Yes	\$ 23.78	\$ 2,616
2024 Hydrants (10)	Replacement of non-functional hydrants	DW20-157	26,459	3/2/2021	\$ 60,000	Yes	Various	Yes	\$ 23.78	\$ 1,427
2024 Gates (20)	Replacement of Failed Gate Valves	DW20-157	26,459	3/2/2021	\$ 80,000	Yes	Various	Yes	\$ 23.78	\$ 1,902
2024 Radios (200)	New Radios for new customers (200)	DW20-157	26,459	3/2/2021	\$ 24,000	Yes	Various	Yes	\$ 23.78	\$ 571
2024 Radios - PFOA (25)	New Radios for PFOA Customers (25)	DW20-157	26,459	3/2/2021	\$ 3,000	Yes	Various	Yes	\$ 23.78	\$ 71
2024 Radios (4000)	Year 4 of 10 Replacment of all PWW Radios installed in 2007 (2800) by contractor	DW20-157	26,459	3/2/2021	\$ 364,000	Yes	Various	Yes	\$ 23.78	\$ 8,656
2024 Meters (Growth) 5/8"-2" - Core & CWS (TBD)	New meters for new customers (200). Replacement of failed meters(200)	DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Various	Yes	\$ 23.78	\$ 1,189
2024 Meters - PFOA (25)	New meters for PFOA customers (25)	DW20-157	26,459	3/2/2021	\$ 3,125	Yes	Various	Yes	\$ 23.78	\$ 74
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles	DW20-157	26,459	3/2/2021	\$ 85,000	Yes	Merrimack	No	\$ 22.87	\$ -
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles	DW20-157	26,459	3/2/2021	\$ 85,000	Yes	Merrimack	No	\$ 22.87	\$ -
Replacment 1/2 Ton Pickup	New Full Sized Pickup to Replace existing high mileage/maintenance pickup	DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Merrimack	No	\$ 22.87	\$ -
Replacement Utility Van	New Utility Van to replace existing high mileage/maintenance vehicles	DW20-156	26,459	3/2/2021	\$ 50,000	Yes	Merrimack	No	\$ 22.87	\$ -
Protectus Meter Upgrade	Protectus Meter Upgrade	DW20-157	26,459	3/2/2021	\$ 30,000	Yes	Various	Yes	\$ 23.78	\$ -
Miscellaneous Construction Equipment	Miscellaneous Construction Equipment	DW20-157	26,459	3/2/2021	\$ 40,000	Yes	Various	No	\$ 23.78	\$ -
Replacement Hydrant Crane Truck	New Hydrant/Crane Truck to replace #19 - 2011 Ford F-450 High Mileage & Hours, Extensive Vehicle & Crane Maint	DW20-157	26,459	3/2/2021	\$ 225,000	Yes	Merrimack	No	\$ 22.87	\$ -
Replacement Dump Truck	New Dump Truck to replace #10, 2008 Peterbilt 335, 100K+ miles, 9000hrs, body rot & high Maint & repair costs	DW20-157	26,459	3/2/2021	\$ 225,000	Yes	Merrimack	No	\$ 22.87	\$ -
New Vacuum Excavator Truck	New Vacuum Excavator Truck for LCR pothole excavation & safe excavation around other utilities, minimize excavation costs, pavement repairs and reliance on outside contractors. Very safe excavation in tight places w/multiple utilities.	DW20-157	26,459	3/2/2021	\$ 600,000	Yes	Merrimack	No	\$ 22.87	\$ -
Swan Street	Replacing 160 LF of 1953 2" main with 4" PVC - Final Pavement and Restoration	DW20-157	26,459	3/2/2021	\$ 21,300	Yes	Nashua	Yes	\$ 23.55	\$ 502
Chapman St.	Replacing 160 LF of 1948 1.25" main with 4" PVC - Final Pavement and Restoration	DW20-157	26,459	3/2/2021	\$ 21,300	Yes	Nashua	Yes	\$ 23,55	\$ 502
Cote Ave	Replacing 470 LF of 1938 8" CI main with 8" DI - Final Pavement and Restoration	DW20-157	26,459	3/2/2021	\$ 59,000	Yes	Nashua	Yes	\$ 23,55	\$ 1,389
Savoy St.	Replacing 140 LF of 1947 1.25" main with 6" DI - Final Pavement and Restoration	DW20-157	26,459	3/2/2021	\$ 19,600	Yes	Nashua	Yes	\$ 23,55	\$ 462
Walnut St.	Replacing 1450 LF of 1888-1951 6" CI main with 12" DI - Final Pavement and Restoration	DW20-157	26,459	3/2/2021	\$ 177,000	Yes	Nashua	Yes	\$ 23,55	\$ 4,168
Salem St.	Replacing 1450 LF of 1888-1927 4" & 6" CI main with 6" DI - Final Pavement and Restoration	DW20-157	26,459	3/2/2021	\$ 106,500	Yes	Nashua	Yes	\$ 23.55	\$ 2,508
Dawn St.	Replacing 450 LF of 1954 1.5" & 2" main with 4" PVC - Final Pavement and Restoration	DW20-157	26,459	3/2/2021	\$ 57,500	Yes	Nashua	Yes	\$ 23.55	\$ 1,354
Amory St.	Replacing 570 LF of 1887 8" CI main with 12" DI - Final Pavement and Restoration	DW20-157	26,459	3/2/2021	\$ 71,500	Yes	Nashua	Yes	\$ 23.55	\$ 1,684
Union St.	Replacing 520 LF of 1909-1978 1.25"-4" main with 12" DI - Final Pavement and Restoration	DW20-157	26,459	3/2/2021	\$ 65,500	Yes	Nashua	Yes	\$ 23.55	\$ 1,543
Berkeley St.	Replacing 3080 LF of 1888-1912 6" CI main with 8" DI - Final Pavement and Restoration	DW20-157	26,459	3/2/2021	\$ 375,250	Yes	Nashua	Yes	\$ 23.55	\$ 8,837
Temple St.	Replacing 975 LF of 1888 8" CI main with 12" DI - Final Pavement and Restoration	DW20-157	26,459	3/2/2021	\$ 120,500	Yes	Nashua	Yes	\$ 23.55	\$ 2,838
Raymond St.	Replacing 2300 LF of 1887 8" CI main with 8" DI - Final Pavement and Restoration	DW20-157	26,459	3/2/2021	\$ 281,000		Nashua	Yes	\$ 23.55	\$ 2,838
	Replacing 840 LF of 1888 4" Cl main with 8" DI - Final Pavement and Restoration	DW20-157	26,459	3/2/2021	\$ 116,000	Yes	Nashua	Yes	\$ 23.55	
Hanover St.			,			Yes				\$ 2,732
Blossom St.	Replacing 2395 LF of 1893-1916 4" & 6" CI main with 8" DI - Final Pavement and Restoration	DW20-156	26,459	3/2/2021	\$ 292,000	Yes	Nashua	Yes	\$ 23.55	\$ 6,877
Ferson St.	Replacing 430 LF of 1931-1938 8" CI main with 12" DI	DW20-157	26,459	3/2/2021	\$ 144,000	Yes	Nashua	Yes	\$ 23.55	\$ 3,391
W. Otterson St.	Replacing 260 LF of 1936 8" CI main with 8" DI	DW20-157	26,459	3/2/2021	\$ 73,500	Yes	Nashua	Yes	\$ 23.55	\$ 1,731
Thomas St.	Replacing 420 LF of 1908-1926 6" CI main with 6" DI	DW20-157	26,459	3/2/2021	\$ 107,000	Yes	Nashua	Yes	\$ 23.55	\$ 2,520
Sawyer St.	Replacing 1620 LF of 1896-1907 6" CI main with 8" DI	DW20-157	26,459	3/2/2021	\$ 410,500	Yes	Nashua	Yes	\$ 23.55	\$ 9,667
Balcom St.	Replacing 1225 LF of 1911-1923 8" CI main with 8" DI	DW20-157	26,459	3/2/2021	\$ 325,250	Yes	Nashua	Yes	\$ 23.55	\$ 7,660
Crown St.	Replacing 225 LF of 1901 6" CI main with 8" DI	DW20-157	26,459	3/2/2021	\$ 65,000	Yes	Nashua	Yes	\$ 23.55	\$ 1,531
Palm St.	Replacing 420 LF of 1890 4" CI main with 6" DI	DW20-157	26,459	3/2/2021	\$ 109,000	Yes	Nashua	Yes	\$ 23.55	\$ 2,567
McKean St.	Replacing 1690 LF of 1888 6" CI main with 8" DI	DW20-157	26,459	3/2/2021	\$ 446,000	Yes	Nashua	Yes	\$ 23.55	\$ 10,503
Coburn Woods	Replacing remaining 2" PE mains that were not completed in 2021	DW20-157	26,459	3/2/2021	\$ 1,500,000	Yes	Nashua	Yes	\$ 23.55	\$ 35,325
Parrish Hills HP Water Main	Create new HP area with 1600 LF of Water Main and Check Valves	DW20-157	26,459	3/2/2021	\$ 800,000	Yes	Nashua	Yes	\$ 23.55	\$ 18,840
Parrish Hills HP Booster Station	New Domestic flow and pressure booster station	DW20-157	26,459	3/2/2021	\$ 550,000	Yes	Nashua	Yes	\$ 23.55	\$ 12,953
Misc. Nashua, NH Emergency Sewer	Projects associated with the City of Nashua Sewer Replacement program	DW20-157	26,459	3/2/2021	\$ 396,000	Yes	Nashua	Yes	\$ 23.55	\$ 9,326
Water Treatment Facility	Chemical Feed and Storage Facility Construction	New	Financing Approval F	Required	\$ 8,500,000	Yes	Nashua	Yes	\$ 23.55	\$ 200,175
Reed Ct.	Replacing 170 LF of 1968 1" main with 2" HDPE - Design only		0.1 DSRR Funds	•	\$ 1,605	Yes	Nashua	No	\$ 23.55	\$ -
Atwood Ct.	Replacing 130 LF of 1950 2" main with 2" HDPE - Design only		0.1 DSRR Funds		\$ 1,290	Yes	Nashua	No	\$ 23,55	\$ -
Lucier St.	Replacing 340 LF of 1928-1947 1.5" & 4" main with 8" DI - Design only		0.1 DSRR Funds		\$ 4,125	Yes	Nashua	No	\$ 23.55	\$ -
Atherton Ave	Replacing 200 LF of 1959 2" main with 4" PVC - Design only		0.1 DSRR Funds		\$ 2,280	Yes	Nashua	No	\$ 23.55	\$ -
Riverview St.	Replacing 190 LF of 1951 2" main with 4" PVC - Design only	1	0.1 DSRR Funds		\$ 2,175	Yes	Nashua	No	\$ 23.55	\$ -
Foster Ct.	Replacing 165 LF of 1963 1" main with 2" HDPE - Design only	1	0.1 DSRR Funds		\$ 1,740	Yes	Nashua	No	\$ 23.55	\$ -
Highland PI	Replacing 230 LF of 1924 2" main with 4" PVC - Design only	<u> </u>	0.1 DSRR Funds		\$ 2,640	Yes	Nashua	No	\$ 23.55	\$ -
Palm St.	Replacing 420 LF of 1890 4" CI main with 6" DI - Design only	<u> </u>	0.1 DSRR Funds		\$ 4,950	Yes	Nashua	No	\$ 23.55	\$
Long Ave	Installing 115 LF of new 8" DI to complete loop - Design only	<del>                                     </del>	0.1 DSRR Funds		\$ 4,950			No	\$ 23.55	φ - ©
	Replacing 65 LF of 1939 1.25" main with 2" HDPE - Design only	-	0.1 DSRR Funds			Yes	Nashua		\$ 23.55 \$ 23.55	9 - e
Long Ave		<del>                                     </del>	0.1 DSRR Funds 0.1 DSRR Funds		\$ 765	Yes	Nashua	No		э - е
Short Ave	Replacing 210 LF of 1926 6" CI main with 8" DI - Design only	-			\$ 2,745	Yes	Nashua	No	\$ 23.55	<b>3</b> -
2nd St.	Replacing 235 LF of 1961 and 2005 2" main with 4" PVC - Design only	1	0.1 DSRR Funds		\$ 2,745	Yes	Nashua	No	\$ 23.55	\$ -
Yvonne St.	Replacing 200 LF of 1929 1.25" main with 2" HDPE - Design only		0.1 DSRR Funds		\$ 2,010	Yes	Nashua	No	\$ 23.55	\$ -
Daniels St.	Replacing 205 LF of 1955 1.5" main with 2" HDPE - Design only	1	0.1 DSRR Funds		\$ 2,055	Yes	Nashua	No	\$ 23.55	\$ -
George St.	Replacing 195 LF of 1948 2" main with 2" HDPE - Design only	l	0.1 DSRR Funds		\$ 1.965	Yes	Nashua	No	\$ 23.55	

Pennichuck Water Works, Inc. DW 23-015 2024 Projected QCPAC Expenditures 2/13/2023 Revised per DOE DR Set 1 5/18/2023

Project Name/Description	Project Description	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Approved Budgeted Amount	QCPAC Eligible?	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense
Tetreau St.	Replacing 450 LF of 1957 1.25" main with 2" HDPE - Design only		0.1 DSRR Funds		\$ 4,050	Yes	Nashua	No	\$ 23.55	\$ -
Notre Dame St.	Replacing 385 LF of 1926 & 1950 1.5" & 2" main with 2" HDPE - Design only		0.1 DSRR Funds		\$ 3,525	Yes	Nashua	No	\$ 23.55	\$ -
Haines St.	Abandoning 75 LF of 1934 1.5" main - Design only		0.1 DSRR Funds		\$ 450	Yes	Nashua	No	\$ 23.55	\$ -
Santerre St.	Replacing 530 LF of 1961 &1962 2" main with 4" PVC - Design only		0.1 DSRR Funds		\$ 5,670	Yes	Nashua	No	\$ 23.55	\$ -
Lakeside Ave	Replacing 266 LF of 1949 1.25" main with 4" PVC - Design only		0.1 DSRR Funds		\$ 2,985	Yes	Nashua	No	\$ 23.55	\$ -
St. Lazare St.	Replacing 405 LF of 1955-1959 1.5" and 2" main with 4" PVC - Design only		0.1 DSRR Funds		\$ 4,305	Yes	Nashua	No	\$ 23.55	\$ -
Spaulding Ave	Replacing 435 LF of 1924-1940 1.25", 2", and 6" main with 4" PVC - Design only		0.1 DSRR Funds		\$ 4,590	Yes	Nashua	No	\$ 23.55	\$ -
Arlington Ave	Replacing 265 LF of 1920 & 1926 2" and 4" main with 4" PVC - Design only		0.1 DSRR Funds		\$ 2,910	Yes	Nashua	No	\$ 23.55	\$ -
Auburn St.	Replacing 1190 LF of 1882-1887 4" and 8" CI main with 8" DI - Design only		0.1 DSRR Funds		\$ 19,590	Yes	Nashua	No	\$ 23.55	\$ -
Eaton St.	Replacing 490 LF of 1912 6" CI main with 12" DI - Design only		0.1 DSRR Funds		\$ 6,840	Yes	Nashua	No	\$ 23.55	\$ -
N. 2nd St.	Replacing 140 LF of 1919 6" CI main with 4" PVC - Design only		0.1 DSRR Funds		\$ 1,710	Yes	Nashua	No	\$ 23.55	\$ -
Alstead Ave	Replacing 320 LF of 1920 4" CI main with 4" PVC - Design only		0.1 DSRR Funds		\$ 3,570	Yes	Nashua	No	\$ 23.55	\$ -
Bordeaux St.	Replacing 275 LF of 1960 2" main with 4" PVC - Design only		0.1 DSRR Funds		\$ 3,075	Yes	Nashua	No	\$ 23.55	\$ -
King St.	Replacing 865 LF of 1923 & 1957 6" CI main with 6" DI - Design only		0.1 DSRR Funds		\$ 9,885	Yes	Nashua	No	\$ 23.55	\$ -
PWW RRA- ERP	Implement Recommendations Evaluated in 2021	DW20-157	26,459	3/2/2021	\$ 200,000	Yes	Various	Yes	\$ 23.78	\$ 4,756
Investment in Developer Services	1x Annual Revenue	DW20-157	26,459	3/2/2021	\$ 100,000	Yes	Various	Yes	\$ 23.78	\$ 2,378
Replace Engineering Pickup	Replace #105 2013 Chevy with >160k miles		0.1 DSRR Funds	•	\$ 45,000	Yes	Nashua	No	\$ 23.55	\$ -
Replace Engineering Pickup	Replace #31 2012 Chevy with >110k miles		0.1 DSRR Funds		\$ 45,000	Yes	Nashua	No	\$ 23.55	\$ -
Merrimack River Watershed Council	Grant Match with other Stakeholders \$40k year 3 of 5.		0.1 DSRR Funds		\$ 40,000	Yes	Various	No	\$ 23.78	\$ -
Trimble GPS and Water (flow, level, quality) Monitoring Equipment	Level Monitors, Pressure Monitors and Flow Monitors		0.1 DSRR Funds		\$ 45,000	Yes	Nashua	No	\$ 23.55	\$ -
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	DW20-157	26,459	3/2/2021	\$ 40,000	Yes	Various	Yes	\$ 23.78	\$ 951
Well Pump replacements	Well Pump replacements	DW20-157	26,459	3/2/2021	\$ 25,000	Yes	Various	Yes	\$ 23.78	\$ 595
Chemical Feed pump replacements	Chemical Feed pump replacements	DW20-157	26,459	3/2/2021	\$ 10,000	Yes	Various	Yes	\$ 23.78	\$ 238
Replace Rotork Pakscan valve control system	Replace Rotork Pakscan valve control system	DW20-157	26,459	3/2/2021	\$ 400,000	Yes	Nashua	Yes	\$ 23.55	\$ 9,420
Install/replace treatment systems in small CWS	Install/replace treatment systems in small CWS	DW20-157	26,459	3/2/2021	\$ 20,000	Yes	Various	Yes	\$ 23.78	\$ 476
Misc. Structural Improvements	Misc. Structural Improvements	DW20-157	26,459	3/2/2021	\$ 30,000	Yes	Various	Yes	\$ 23.78	\$ 713
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased	DW20-157	26,459	3/2/2021	\$ 30,000	Yes	Various	Yes	\$ 23.78	\$ 713
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	DW20-157	26,459	3/2/2021	\$ 60,000	Yes	Various	Yes	\$ 23.78	\$ 1,427
Well Rehabilitation	Well Rehabilitation	DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Various	Yes	\$ 23.78	\$ 1,189
WTP Structural/HVAC	WTP Structural/HVAC	DW20-157	26,459	3/2/2021	\$ 20,000	Yes	Nasshua	Yes	\$ 23.55	\$ 471
Purchase new lab equipment	Purchase new lab equipment	DW20-157	26,459	3/2/2021	\$ 20,000	Yes	Nasshua	No	\$ 23.55	\$ -
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	DW20-157	26,459	3/2/2021	\$ 10,000	Yes	Various	Yes	\$ 23.78	\$ 238
Replace Water Supply Vehicle	Replace Water Supply Vehicle		0.1 DSRR Funds	!	\$ 65,000	Yes	Nashua	No	\$ 23.55	\$ -
Replace Water Supply Vehicle	Replace Water Supply Vehicle		0.1 DSRR Funds		\$ 40,000	Yes	Nashua	No	\$ 23.55	\$ -
Bowers Dam Spillway reconstruction/increase capacity	Bowers Dam Spillway reconstruction/increase capacity	DW20-157	26,459	3/2/2021	\$ 2,300,000	Yes	Merrimack	Yes	\$ 22.87	\$ 52,601
This replacement will flatten out our replacements over the next few years .	Runrate Business needs	DW20-157	26,459	3/2/2021	\$ 40,000	Yes	Nashua	No	\$ 23.55	\$ -
Miscellaneous Software	Miscellaneous Software	DW20-157	26,459	3/2/2021	\$ 14,000	Yes	Nashua	No	\$ 23.55	\$ -
Miscellaneous Hardware	Miscellaneous Hardware	DW20-157	26,459	3/2/2021	\$ 22,000	Yes	Nashua	No	\$ 23.55	\$ -
Typical IT Annual budget roughly runs about \$400K	typical IT Annual budget roughly runs about \$400K	DW20-157	26,459	3/2/2021	\$ 324,000	Yes	Nashua	No	\$ 23.55	\$ -
Projected short term interest on FALOC	Interest incurred to finance 2024 Capex until permanent financing is achieved	DW20-157	26,459	3/2/2021	\$ 157,600	Yes	N/A	No	N/A	\$ -
	· · · · · · · · · · · · · · · · · · ·	Pennichuck Water Works Projected	2020 Total Capital E	Expenditure Budget -	\$ 21,604,535		Projected P	roperty Tax Expens	se associated with	\$ 452,061

Total for 0.1 DSRR 2024 Projects - \$ 387,610 Total Projected Bond funded PWW QCPAC Capex for 2024 - \$
Special Project Bond for Chemical Feed Building - \$ 12,016,925 8,500,000

FEMA Grant - \$

5.50% resulting in P&I of \$
5.50% resulting in P&I of \$
Total Projected P&I - \$ Estimated Bond Terms (Bonds to be sold in April 2025) -Years @ 826,829 Estimated Bond Terms (Special Project bonds to be sold in April 2025) -30 Years @ 584,846

1. Tax rate is the sum of the local community rate plus the Statewide Utility tax rate of 6.60/1000

Pennichuck Water Works, Inc. DW 23-015 2025 Projected QCPAC Expenditures 2/13/2023 Revised per DOE DR Set 1 5/18/2023

		Financing Docket	NHPUC Order No.	Date of NHPUC	Approved	OCDAC EII III 2	6	77 11	QCPAC Eligible Property Tax
Project Name/Description	Project Description	No.		Order	Budgeted Amount		Community	Taxable	Tax Rate (1) Expense
2025 New Services (10) 2025 Renewed Services (20)	Single Family, Owner Build, New Homes Replacement of Failed Services	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 50,000 \$ 110,000	Yes Yes	Various Various	Yes Yes	\$ 23.78 \$ 1,189 \$ 23.78 \$ 2,616
2025 Hydrants (10)	Replacement of non-functional hydrants	DW20-157	26,459	3/2/2021	\$ 60,000	Yes	Various	Yes	\$ 23.78 \$ 1,427
2025 Gates (20)	Replacement of Failed Gate Valves	DW20-157	26,459	3/2/2021	\$ 80,000	Yes	Various	Yes	\$ 23.78 \$ 1,902
2024 Radios (200)	New Radios for new customers (200)	DW20-157	26,459	3/2/2021	\$ 24,000	Yes	Various	Yes	\$ 23.78 \$ 571
2024 Radios - PFOA (25)	New Radios for PFOA Customers (25)	DW20-157	26,459	3/2/2021	\$ 3,000	Yes	Various	Yes	\$ 23.78 \$ 71
2025 Radios (2800)	Year 5 of 10 Replacment of all PWW Radios installed in 2007 (2800) by contractor	DW20-157	26,459	3/2/2021	\$ 364,000	Yes	Various	Yes	\$ 23.78 \$ 8,656
2024 Meters (Growth) 5/8"-2" - Core & CWS (TBD) 2024 Meters - PFOA (25)	New meters for new customers (200). Replacement of failed meters(200)  New meters for PFOA customers (25)	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 50,000 \$ 3,125	Yes Yes	Various Various	Yes Yes	\$ 23.78 \$ 1,189 \$ 23.78 \$ 74
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles #84	DW20-157	26,459	3/2/2021	\$ 85,000	Yes	Merrimack	No	\$ 22.87 \$ -
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles #9	DW20-157	26,459	3/2/2021	\$ 85,000	Yes	Merrimack	No	\$ 22.87 \$ -
Replacment 1/2 Ton Pickup	New Full Sized Pickup to Replace Veh #22 that has been retired due to not passing inspection.	DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Merrimack	No	\$ 22.87 \$ -
Replacment 1/2 Ton Pickup	New Full Sized Pickeup to replace Disconnect Vehicle that will become Hydrant Painting Van.	DW20-156	26,459	3/2/2021	\$ 50,000	Yes	Merrimack	No	\$ 22.87 \$ -
Protectus Meter Upgrade	Protectus Meter Upgrade	DW20-157	26,459	3/2/2021	\$ 30,000	Yes	Various	Yes	\$ 23.78 \$ -
Miscellaneous Construction Equipment Ferson St.	Miscellaneous Construction Equipment Replacing 430 LF of 1931-1938 8" CI main with 12" DI - Pavement & Surface Restoration	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 40,000 \$ 54,500	Yes Yes	Merrimack Nashua	No Yes	\$ 22.87 \$ - \$ 23.55 \$ 1,283
W. Otterson St.	Replacing 260 LF of 1936 8" CI main with 8" DI - Pavement & Surface Restoration	DW20-157	26,459	3/2/2021	\$ 33,600	Yes	Nashua	Yes	\$ 23.55 \$ 791
Thomas St.	Replacing 420 LF of 1908-1926 6" CI main with 6" DI - Pavement & Surface Restoration	DW20-157	26,459	3/2/2021	\$ 53,500	Yes	Nashua	Yes	\$ 23.55 \$ 1,260
Sawyer St.	Replacing 1620 LF of 1896-1907 6" CI main with 8" DI - Pavement & Surface Restoration	DW20-157	26,459	3/2/2021	\$ 198,500	Yes	Nashua	Yes	\$ 23.55 \$ 4,675
Balcom St.	Replacing 1225 LF of 1911-1923 8" CI main with 8" DI - Pavement & Surface Restoration	DW20-157	26,459	3/2/2021	\$ 150,500	Yes	Nashua	Yes	\$ 23.55 \$ 3,544
Palm St.	Replacing 420 LF of 1890 4" CI main with 6" DI - Pavement & Surface Restoration	DW20-157	26,459	3/2/2021	\$ 53,250	Yes	Nashua	Yes	\$ 23.55 \$ 1,254
McKean St.	Replacing 1690 LF of 1888 6" CI main with 8" DI - Pavement & Surface Restoration	DW20-157	26,459	3/2/2021	\$ 207,000	Yes	Nashua	Yes	\$ 23.55 \$ 4,875
Coburn Woods Reed Ct.	Replacing remaining 2" PE mains that were not completed in 2021 - Pavement & Surface Restoration Replacing 170 LF of 1968 1" main with 2" HDPE	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 350,000 \$ 30,500	Yes Yes	Nashua Nashua	Yes Yes	\$ 23.55 \$ 8,243 \$ 23.55 \$ 718
Atwood Ct.	Replacing 130 LF of 1950 2" main with 2" HDPE	DW20-157	26,459	3/2/2021	\$ 25,000	Yes	Nashua	Yes	\$ 23.55 \$ 718
Lucier St.	Replacing 340 LF of 1928-1947 1.5" & 4" main with 8" DI	DW20-158	26,460	3/3/2021	\$ 94,000	Yes	Nashua	Yes	\$ 23.55 \$ 2,214
Atherton Ave	Replacing 200 LF of 1959 2" main with 4" PVC	DW20-159	26,461	3/4/2021	\$ 49,000	No	Nashua	No	\$ 23.55 \$ -
Riverview St.	Replacing 190 LF of 1951 2" main with 4" PVC	DW20-157	26,459	3/2/2021	\$ 47,000	Yes	Nashua	Yes	\$ 23.55 \$ 1,107
Foster Ct.	Replacing 165 LF of 1963 1" main with 2" HDPE	DW20-157	26,459	3/2/2021	\$ 35,500	Yes	Nashua	Yes	\$ 23.55 \$ 836
Highland Pl	Replacing 230 LF of 1924 2" main with 4" PVC	DW20-156 DW20-157	26,459	3/2/2021	\$ 57,500	Yes	Nashua	No	\$ 23.55 \$ -
Palm St. Long Ave	Replacing 420 LF of 1890 4" CI main with 6" DI Installing 115 LF of new 8" DI to complete loop	DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 112,000 \$ 29,000	Yes Yes	Nashua Nashua	Yes Yes	\$ 23.55 \$ 2,638 \$ 23.55 \$ 683
Long Ave	Replacing 65 LF of 1939 1.25" main with 2" HDPE	DW20-157	26,459	3/2/2021	\$ 15,500	Yes	Nashua	Yes	\$ 23.55 \$ 365
Short Ave	Replacing 210 LF of 1926 6" CI main with 8" DI	DW20-157	26,459	3/2/2021	\$ 63,500	Yes	Nashua	Yes	\$ 23.55 \$ 1,495
2nd St.	Replacing 235 LF of 1961 and 2005 2" main with 4" PVC	DW20-157	26,459	3/2/2021	\$ 60,500	Yes	Nashua	Yes	\$ 23.55 \$ 1,425
Yvonne St.	Replacing 200 LF of 1929 1.25" main with 2" HDPE	DW20-157	26,459	3/2/2021	\$ 40,500	Yes	Nashua	Yes	\$ 23.55 \$ 954
Daniels St.	Replacing 205 LF of 1955 1.5" main with 2" HDPE	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 41,000 \$ 39,500	Yes	Nashua	Yes	\$ 23.55 \$ 966 \$ 23.55 \$ 930
George St. Tetreau St.	Replacing 195 LF of 1948 2" main with 2" HDPE Replacing 450 LF of 1957 1.25" main with 2" HDPE	DW20-157	26,459	3/2/2021	\$ 39,500	Yes Yes	Nashua Nashua	Yes Yes	\$ 23.55 \$ 930 \$ 23.55 \$ 1,837
Notre Dame St.	Replacing 385 LF of 1926 & 1950 1.5" & 2" main with 2" HDPE	DW20-157	26,459	3/2/2021	\$ 68,500	Yes	Nashua	Yes	\$ 23.55 \$ 1,613
Haines St.	Abandoning 75 LF of 1934 1.5" main	DW20-157	26,459	3/2/2021	\$ 5,000	Yes	Nashua	Yes	\$ 23.55 \$ 118
Santerre St.	Replacing 530 LF of 1961 &1962 2" main with 4" PVC	DW20-157	26,459	3/2/2021	\$ 122,000	Yes	Nashua	Yes	\$ 23.55 \$ 2,873
Lakeside Ave	Replacing 266 LF of 1949 1.25" main with 4" PVC	DW20-157	26,459	3/2/2021	\$ 64,500	Yes	Nashua	Yes	\$ 23.55 \$ 1,519
St. Lazare St.	Replacing 405 LF of 1955-1959 1.5" and 2" main with 4" PVC Replacing 435 LF of 1924-1940 1.25", 2", and 6" main with 4" PVC	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 92,000 \$ 98,000	Yes	Nashua	Yes	\$ 23.55 \$ 2,167 \$ 23.55 \$ 2,308
Spaulding Ave Arlington Ave	Replacing 265 LF of 1920 & 1926 2" and 4" main with 4" PVC	DW20-157	26,459	3/2/2021	\$ 98,000	Yes Yes	Nashua Nashua	Yes Yes	\$ 23.55 \$ 2,308 \$ 23.55 \$ 1,460
Auburn St.	Replacing 1190 LF of 1882-1887 4" and 8" CI main with 8" DI	DW20-157	26,459	3/2/2021	\$ 446,000	Yes	Nashua	Yes	\$ 23.55 \$ 10,503
Eaton St.	Replacing 490 LF of 1912 6" CI main with 12" DI	DW20-157	26,459	3/2/2021	\$ 166,000	Yes	Nashua	Yes	\$ 23.55 \$ 3,909
N. 2nd St.	Replacing 140 LF of 1919 6" CI main with 4" PVC	DW20-157	26,459	3/2/2021	\$ 37,500	Yes	Nashua	Yes	\$ 23.55 \$ 883
Alstead Ave	Replacing 320 LF of 1920 4" CI main with 4" PVC	DW20-157	26,459	3/2/2021	\$ 77,500	Yes	Nashua	Yes	\$ 23.55 \$ 1,825
Bordeaux St.	Replacing 275 LF of 1960 2" main with 4" PVC	DW20-157 DW20-157	26,459 26,459	3/2/2021	\$ 66,500	Yes	Nashua	Yes	\$ 23.55 \$ 1,566
King St. Water Treatment Facility	Replacing 865 LF of 1923 & 1957 6" CI main with 6" DI Chemical Feed and Storage Facility Construction		Financing Approval I	3/2/2021 Required	\$ 222,500 \$ 3,900,000	Yes Yes	Nashua Nashua	Yes Yes	\$ 23.55 \$ 5,240 \$ 23.55 \$ 91,845
2026 Watermin Replacement (Design Only)	Various Streets, Diameters, and Materials	1100	0.1 DSRR Funds	equired	\$ 180,000	Yes	Nashua	No	\$ 23.55 \$ -
City Sewer Related Projects	Water Main Replacements Associated with Sewer Reconstruction	DW20-157	26,459	3/2/2021	\$ 400,000	Yes	Nashua	Yes	\$ 23.55 \$ 9,420
Trimble GPS and Water (flow, level, quality) Monitoring Equipment	Level Monitors, Pressure Monitors and Flow Monitors		0.1 DSRR Funds		\$ 45,000	Yes	Nashua	No	\$ 23.55 \$ -
Investment in Developer Services	1x Annual Revenue		0.1 DSRR Funds		\$ 100,000	Yes	Various	Yes	\$ 23.78 \$ 2,378
Replace Engineering SUV	Replace Highest Mileage SUV		0.1 DSRR Funds		\$ 35,000	Yes	Nashua	No	\$ 23.55 \$ -
Replace Engineering Pickup	Replace Highest Mileage/Poorer Condition Pickup		0.1 DSRR Funds		\$ 35,000	Yes	Nashua	No	\$ 23.55 \$ -
Merrimack River Watershed Council Booster Pump replacement/rebuild	Grant Match with other Stakeholders \$40k for five years.  Booster Pump replacement/rebuild	DW20-157	0.1 DSRR Funds 26,459	3/2/2021	\$ 40,000 \$ 40,000	Yes Yes	Various Various	No Yes	\$ 23.78 \$ - \$ 23.78 \$ 951
Well Pump replacements	Well Pump replacements	DW20-157	26,459	3/2/2021	\$ 40,000	Yes	Various Various	Yes	\$ 23.78 \$ 951
Chemical Feed pump replacements	Chemical Feed pump replacements	DW20-157	26,459	3/2/2021	\$ 15,000	Yes	Various	Yes	\$ 23.78 \$ 357

Pennichuck Water Works, Inc. DW 23-015 2025 Projected QCPAC Expenditures 2/13/2023 Revised per DOE DR Set 1 5/18/2023

Project Name/Description	Project Description	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Approved Budgeted Amount	QCPAC Eligible?	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense
Rebuild High lift pump, WTP	Rebuild High lift pump, WTP	DW20-157	26,459	3/2/2021	\$ 100,000	Yes	Nashua	Yes	\$ 23.55	\$ 2,355
Install/replace treatment systems in small CWS	Install/replace treatment systems in small CWS	DW20-157	26,459	3/2/2021	\$ 15,000	Yes	Various	Yes	\$ 23.78	\$ 357
Misc. Structural Improvements	Misc. Structural Improvements	DW20-157	26,459	3/2/2021	\$ 20,000	Yes	Various	Yes	\$ 23.78	\$ 476
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased	DW20-157	26,459	3/2/2021	\$ 30,000	Yes	Various	Yes	\$ 23.78	\$ 713
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	DW20-157	26,459	3/2/2021	\$ 60,000	Yes	Various	Yes	\$ 23.78	\$ 1,427
Well Rehabilitation	Well Rehabilitation	DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Various	Yes	\$ 23.78	\$ 1,189
WTP Structural/HVAC	WTP Structural/HVAC	DW20-157	26,459	3/2/2021	\$ 30,000	Yes	Various	Yes	\$ 23.78	\$ 713
Purchase new lab equipment	Purchase new lab equipment	DW20-157	26,459	3/2/2021	\$ 20,000	Yes	Various	No	\$ 23.78	\$ -
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	DW20-157	26,459	3/2/2021	\$ 10,000	Yes	Various	Yes	\$ 23.78	\$ 238
Replace Water Supply Vehicle	Replace Water Supply Vehicle		0.1 DSRR Funds		\$ 65,000	Yes	Nashua	No	\$ 23.55	\$ -
Replace Water Supply Vehicle	Replace Water Supply Vehicle		0.1 DSRR Funds		\$ 40,000	Yes	Nashua	No	\$ 23.55	\$ -
WTP Carbon Filter Replacement	Replaced Carbon in WTP Filters 1a thourgh 4b	DW20-157	26,459	3/2/2021	\$ 1,500,000	Yes	Nashua	No	\$ 23.55	\$ -
Replacement server for Stellar	This replacement will flatten out our replacements over the next few years .	DW20-157	26,459	3/2/2021	\$ 40,000	Yes	Nashua	No	\$ 23.55	\$ -
Miscellaneous Software	Miscellaneous Software	DW20-157	26,459	3/2/2021	\$ 14,000	Yes	Nashua	No	\$ 23.55	\$ -
Miscellaneous Hardware	Miscellaneous Hardware	DW20-157	26,459	3/2/2021	\$ 22,000	Yes	Nashua	No	\$ 23.55	\$ -
Monitary placeholder	Typical IT Annual budget roughly runs about \$400K	DW20-157	26,459	3/2/2021	\$ 324,000	Yes	Nashua	No	\$ 23.55	\$ -
Projected short term interest on FALOC	Interest incurred to finance 2025 Capex until permanent financing is achieved	DW20-157	26,459	3/2/2021	\$ 124,000	Yes	N/A	No	N/A	\$ -
	Per	nnichuck Water Works Projected 2	2025 Total Capital Ex	xpenditure Budget -	\$ 11,799,975	_	Projected Pr	operty Tax Expens	se associated with	\$ 209,136

Total for 0.1 DSRR 2024 Projects - \$ 540,000
Total Projected Bond funded PWW QCPAC Capex for 2025 - \$ 7,359,975
Special Project Bond for Chemical Feed Building - \$ 3,900,000

Estimated Bond Terms (Bonds to be sold in April 2026) - 30 Years @ 5.50% resulting in P&I of \$ 506,406 Estimated Bond Terms (Special Project bonds to be sold in April 2026) - 30 Years @ 5.50% resulting in P&I of \$ 268,341 Total Projected P&I - 774,747

<sup>1.</sup> Tax rate is the sum of the Dec 2022 local community rate plus the Statewide Utility tax rate of 6.60/1000