

	DW19-084 PWW requested Revenues		QCPAC For 2019 Capital Additions pro formas		QCPAC Surcharge for 2019 Capital Additions		QCPAC For 2020 Capital Additions pro formas		QCPAC Surcharge for 2020 Capital Additions		QCPAC For 2021 Capital Additions pro formas		QCPAC Surcharge for 2021 Capital Additions		QCPAC For 2022 Capital Additions pro formas		QCPAC Surcharge for 2022 Capital Additions	
City Bond Fixed Revenue Requirement (CBFRR)	\$	7,729,032	\$	-	\$	7,729,032	\$	-	\$	7,729,032	\$	-	\$	7,729,032			\$	7,729,032
Operating Expense Revenue Requirement	\$	20,503,558	(1)	\$ 416,593	(4)	\$ 20,920,151	\$ 168,212	(4)	\$ 21,088,363	(4)	\$ 257,759	\$ 21,346,123	\$ 234,350	\$ 21,580,472				
Annual Principal and Interest Payments	\$	6,999,023	(2)	\$ 867,226	(5)	\$ 7,866,249	\$ 428,538		\$ 8,294,787		\$ 659,296	\$ 8,954,084	\$ 596,310	\$ 9,550,394				
Principal and Interest Coverage Requirement		1.10	(3)			1.10			1.10			1.10		1.10				
Principal and Interest Revenue Requirement	\$	7,698,925				\$ 8,652,874			\$ 9,124,266			\$ 9,849,492		\$ 10,505,433				
Proposed Revenue Requirement w/out special contract revenues	\$	35,325,072	(8)			\$ 36,695,614	(8)		\$ 37,335,218	(8)		\$ 38,318,203		\$ 39,208,494				
Current Water Revenues excluding CBFRR						\$ 28,966,582			\$ 29,606,186			\$ 30,589,171		\$ 31,479,462				
Add: City Bond Fixed Revenue Requirement						\$ 7,729,032			\$ 7,729,032			\$ 7,729,032		\$ 7,729,032				
Current Water Revenues with CBFRR						\$ 36,695,614			\$ 37,335,218			\$ 38,318,203		\$ 39,208,494				
Percent QCPAC Surcharge (9)						3.88%			1.81%			2.78%		2.52%				
Cumulative QCPAC Surcharge (13)						3.88%			5.69%			8.47%		10.99%				
Cumulative QCPAC monthly increase in average single family residential bill						\$ 2.13			\$ 3.13			\$ 4.66		\$ 6.28				
Average monthly single family residential bill with QCPAC	\$	55.02				\$ 57.16			\$ 58.15			\$ 59.68		\$ 61.31				

Notes:  
(1) Operating Expense Revenue requirement is the sum of the Total Operating Expenses, Property Tax Expense, Amortization Expense and Payroll Tax Expenses requested in DW19-084  
(2) Annual Principal and interest payments for PWW debt associated with all plant in service as requested in DW19-084  
(3) Principal and interest coverage of 1.10 is as approved in DW16-806  
(4) QCPAC operating expenses are based on the property taxes for used and useful plant added during the year  
(5) Portion of Annual Principal and interest payments for debt associated with plant placed in service between 1/1/2019 and 12/31/2019 based on a 30 year bond with an actual total all in interest rate of 4.261869% that was not requested for recovery in DW19-084  
(6) QCPAC Principal and Interest expenses are based on 30 year bond with interest rate of 5.00% for 2020 through 2022 Capital Expenditures unless funding is via an SRF/DWGTIF financing.  
(7) QCPAC percent revenue surcharges based on increase in revenues from the revenues requested in DW19-084  
(8) Reduction in revenues associated with fixed contracts as follows: Hudson Annual Fixed Chg \$ 32,800 Milford Annual Fixed Chg \$ 81,000 A-B Annual Fixed Chg \$ 371,430 PEU Annual Fixed Chg \$ 121,213  
(9) QCPAC Principal and Interest expenses for DWGTIF financing are based on a 30 year bond with interest rate of 3.38%  
(11) Cumulative surcharge percentage is based on total surcharge revenues collected divided by the revenues requested in DW19-084  
(12) Operating expense revenues requested in DW19-084 less total Other Revenues of \$ 420,712  
(13) QCPAC percent revenue surcharges based on requested revenues being sought in DW19-084

Impact on Single Family Residential Home:	DW19-084
Monthly meter charge requested in DW19-084 -	\$ 24.35
Average Single Family Consumption per Dw19-084 (CCF) -	7.77
Volumetric Charge requested in DW#19-084 -	\$ 3.95
Ave. Single Family monthly bill with rates requested in DW19-084 -	\$ 55.02
Assumes an GM metered customer class rate increase of	7.85% as requested in DW19-084

Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Board Approved 2019 Capex Budget	Board Approved 2019 Capex Budget, Revised 8/24/19	Eligible for 2020 QCPAC Surcharge	Estimated Project Costs as of 6/30/2019	Estimated Project Cost as of 9/30/2019	Estimated Project Cost as of 11/30/2019	Final QCPAC eligible Project Costs as of 12/31/2019	Community	Taxable	Tax Rate (l)	QCPAC Eligible Property Tax Expense (Based on Qtrly Update)	Explanation for Change/Addition/Deletion since Petition Filing
New Services (10)	Single Family, Owner Build, New Homes	20 workorders	DW17-183	26,101	2/2/2018	\$ 46,000	\$ 46,000	Yes	\$ 46,000	\$ 36,000	\$ 58,000	\$ 69,936	Various	Yes	\$ 27.02	\$ 1,890	12 installed through 12/31.
Renewed Services (20)	Replacement of failed services	21, 22 & 23 workorders	DW17-183	26,101	2/2/2018	\$ 92,000	\$ 92,000	Yes	\$ 92,000	\$ 96,000	\$ 103,000	\$ 101,648	Various	Yes	\$ 27.02	\$ 2,747	29 installed through 12/31.
Hydrants (10)	Replacement of non functional hydrants	30 & 31 workorders	DW17-183	26,101	2/2/2018	\$ 50,000	\$ 50,000	Yes	\$ 50,000	\$ 36,000	\$ 42,000	\$ 40,209	Various	Yes	\$ 27.02	\$ 1,086	7 installed through 12/31.
Gates (10)	Replacement of Failed Gate Valves	12 & 13 workorders	DW17-183	26,101	2/2/2018	\$ 40,000	\$ 40,000	Yes	\$ 40,000	\$ 12,000	\$ 12,000	\$ 10,573	Various	Yes	\$ 27.02	\$ 286	4 installed through 12/31.
Radios (2750)	Replace out of warrantee failed radio meter readers	54 workorders	DW17-183	26,101	2/2/2018	\$ 275,000	\$ 30,000	Yes	\$ 30,000	\$ 42,500	\$ 48,000	\$ 48,942	Various	Yes	\$ 27.02	\$ 1,322	Deferred Radio Replacement program (Radios are 12 years old). 495 replaced through 12/31.
Meters (Growth) 5/8"-2" - Core & CWS (480)	Meters (Growth) 5/8"-2" - Core & CWS (480)	50 workorders	DW17-183	26,101	2/2/2018	\$ 48,000	\$ 48,000	Yes	\$ 48,000				Various	Yes	\$ 27.02	\$ 5,594	
Meters 5/8"-6" Lead Meter Exchange - Core & CWS (3000)	Meters 5/8"-6" Lead Meter Exchange - Core & CWS (3000)	50 workorders	DW17-183	26,101	2/2/2018	\$ 300,000	\$ 300,000	Yes	\$ 300,000	\$ 240,000	\$ 200,000	\$ 207,025	Various	Yes	\$ 27.02	\$ -	1732 installed/replaced through 12/31.
Entrance Security Gate & Perimeter Fence	Entrance Security Gate & Perimeter Fence	1901598	DW17-183	26,101	2/2/2018	\$ 75,000	\$ 75,000	Yes	\$ 75,000	\$ 75,000	\$ 75,000	\$ 66,204	Merrimack	Yes	\$ 28.86	\$ 1,911	
Replace 13 yr Vac Trailer - Safety & Maint issue	Replace 13 yr Vac Trailer - Safety & Maint issue	1917721	DW17-183	26,101	2/2/2018	\$ 100,000	\$ -	Yes	\$ -	\$ -	\$ 29,710	\$ 29,710	Merrimack	Yes	\$ 28.86	\$ 857	Then Company was leasing a vac machine for 2019. It was decided to buy out the lease
Protectus Meter Upgrade	Sprbrook Rd Protectus Meter Upgrade	n/a	DW17-183	26,101	2/2/2018	\$ 21,000	\$ 21,000	Yes	\$ 21,000	\$ 21,000	\$ 21,000	\$ -	Nashua	Yes	\$ 26.23	\$ -	Deferred until 2020
Pipe Freeze Kits (2)	Ro/frost Turbo 2 Electric Pipe Freeze Kits	1915135	DW17-183	26,101	2/2/2018	\$ -	\$ 7,400	Yes	\$ 7,400	\$ 7,400	\$ 6,970	\$ 6,970	Nashua	No	\$ 26.23	\$ -	Existing Freeze kits have failed and not repairable 15+ years old
Plastic Connectors (4)	Replacement of failed compactors unable to obtain repair parts	1918551	DW17-183	26,101	2/2/2018	\$ -	\$ 17,500	Yes	\$ 17,500	\$ 17,500	\$ 15,888	\$ 15,888	Merrimack	No	\$ 26.23	\$ -	Existing units have failed and parts for repair are not available.
Network Digital Display for Distribution Department	Relocate & network display to Assignment room & new 75" display in Conference Rm	1917719	01 DSRR			\$ -	\$ 2,700	No	\$ 2,700	\$ -	\$ 2,597	\$ 2,597	Merrimack	No	\$ 28.86	\$ -	Existing steel sander rusted through and was replaced with new sander
Poly-Caster Sander	Poly-Caster Sander	1917720	DW17-183	26,101	2/2/2018			Yes		\$ 7,460	\$ 7,460	\$ -	Merrimack	No	\$ 28.86	\$ -	
2018 Dodge Ram 2500 (#313)	Carryover Costs to 2018 projects not recovered in prior QCPAC	1907613	01 DSRR			\$ -	\$ 1,969	No	\$ 1,969	\$ 1,969	\$ 1,969	\$ 1,969	Merrimack	No	\$ 28.86	\$ -	
2018 Dodge Ram 2500 (#314)	Carryover Costs to 2018 projects not recovered in prior QCPAC	1907612	01 DSRR			\$ -	\$ 1,969	No	\$ 1,969	\$ 1,969	\$ 1,969	\$ 1,969	Merrimack	No	\$ 28.86	\$ -	
2018 Dodge Ram 2500 (#315)	Carryover Costs to 2018 projects not recovered in prior QCPAC	1907615	01 DSRR			\$ -	\$ 2,542	No	\$ 2,542	\$ 2,542	\$ 2,542	\$ 2,542	Merrimack	No	\$ 28.86	\$ -	
2018 Dodge Ram Promaster 1500 Cargo Van (#347)	Carryover Costs to 2018 projects not recovered in prior QCPAC	1907987	01 DSRR			\$ -	\$ 1,060	No	\$ 1,060	\$ 1,060	\$ 1,060	\$ 1,060	Merrimack	No	\$ 28.86	\$ -	
2018 Dodge Ram Promaster 1500 Cargo Van (#348)	Carryover Costs to 2018 projects not recovered in prior QCPAC	1907988	01 DSRR			\$ -	\$ 1,060	No	\$ 1,060	\$ 1,060	\$ 1,060	\$ 1,060	Merrimack	No	\$ 28.86	\$ -	
2018 Dodge Ram Promaster 1500 Cargo Van (#349)	Carryover Costs to 2018 projects not recovered in prior QCPAC	1907989	01 DSRR			\$ -	\$ 1,060	No	\$ 1,060	\$ 1,060	\$ 1,060	\$ 1,060	Merrimack	No	\$ 28.86	\$ -	
Meter Data Logging Equipment	Carryover Costs to 2018 projects not recovered in prior QCPAC	1907885	01 DSRR			\$ -	\$ 2,849	No	\$ 2,849	\$ 2,849	\$ 2,849	\$ 2,850	Various	Yes	\$ 27.02	\$ 77	Equipment used in leak detection
Gilman Street	Replace 1470 LF of 8 inch CI with 12 inch DIPCL	1607377, 1702856, 1806433, 1901176	DW17-183	26,101	2/2/2018	\$ 550,000	\$ 615,000	Yes	\$ 615,000	\$ 718,063	\$ 661,000	\$ 661,270	Nashua	Yes	\$ 26.23	\$ 17,345	Pavement contribution to the City of Nashua paid in 2018 (\$127,264)
Elm Street	Replace 875 LF of 6 inch CI with 12 inch DIPCL	1702871, 1812907, 1901599	DW17-183	26,101	2/2/2018	\$ 559,350	\$ 255,000	Yes	\$ 255,000	\$ 378,600	\$ 378,600	\$ 373,328	Nashua	Yes	\$ 26.23	\$ 9,792	Pavement contribution to City of Nashua of \$67,650 included
Monroe Street	Replace 310 LF of 4 inch CI with 8 inch DIPCL	1702866, 1812908, 1901602	DW17-183	26,101	2/2/2018	\$ 122,270	\$ 120,000	Yes	\$ 120,000	\$ 174,926	\$ 105,000	\$ 97,541	Nashua	Yes	\$ 26.23	\$ 2,558	Pavement contribution to City of Nashua of \$18,000 included
Garden Street	Replace 741 LF of 8" CIP with 8 inch DIPCL and reconnect City Hall Fire serviced missed during Elm St work	1918487	DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ -	\$ -	\$ 97,000	\$ 61,918	Nashua	Yes	\$ 26.23	\$ 1,624	Connecting Nashua City Hall sprinkler connection that was missed during the Elm St project. Also replaces a portion of the Garden Street water main.. Per City almost all work had to be performed on Sunday nights. Final paving in Spring 2020 \$18,000 not included.
W.Pearl Street	Replace 340 LF of 8" CIP with 120 LF of 12" DIPCL and 220 LF of 8" DIPCL	1702869, 1812909, 1901603	DW17-183	26,101	2/2/2018	\$ 138,050	\$ 140,000	Yes	\$ 140,000	\$ 224,486	\$ 175,000	\$ 178,120	Nashua	Yes	\$ 26.23	\$ 4,672	Pavement contribution to City of Nashua of \$27,200 included
Harvard Street	Replace 800 LF of 8 inch CI with 8 inch DIPCL	1814742, 1901604	DW17-183	26,101	2/2/2018	\$ 247,500	\$ 249,200	Yes	\$ 249,200	\$ 249,200	\$ 260,000	\$ 259,668	Nashua	Yes	\$ 26.23	\$ 6,811	Pavement contribution to City of Nashua of \$38,000 included.
West Hollis Street Check Valve Pit	Install at the int of W. Hollis St and Panther Dr.	n/a	DW17-183	26,101	2/2/2018	\$ 88,000	\$ -	Yes	\$ -	\$ -	\$ -	\$ -	Nashua	Yes	\$ 26.23	\$ -	Deferred to future year to accommodate additional water main projects
NWS Improvements - Manchester Street	Add 2700 LF of 24 inch DIPCL on Manchester St.	1806805, 1900422	DW/GTF- Financing DW18-133	26,197	12/3/2018	\$ 660,000	\$ 660,000	Yes	\$ 660,000	\$ 730,000	\$ 650,000	\$ 507,141	Nashua	Yes	\$ 26.23	\$ 13,302	Added security fence replacement (1,700 LF) along Manchester Street - some work will carry over into 2020 included
NWS Improvements-Route 101A and Route 121 (Amherst)	Add 2200 LF of 12 inch DIPCL to close loop	1806810, 1901607				\$ 550,000	\$ 550,000	Yes	\$ 550,000	\$ 550,000	\$ 694,000	\$ 548,252	Nashua	Yes	\$ 26.23	\$ 14,381	Adjusted cost based on final installed materials in 2020 - some work will carry over into 2020
NWS Improvements - Tinker Road	Replace 825 LF of 16 inch AC with 825 LF of 24 inch DIPCL	1702855, 1806434, 1900421				\$ 522,500	\$ 522,500	Yes	\$ 522,500	\$ 526,000	\$ 490,000	\$ 369,378	Nashua	Yes	\$ 26.23	\$ 9,689	Adjusted cost based on final installed materials in 2020 - some work will carry over into 2021
NWS Improvements - Deerwood Drive & Amherst St. Intersection	Replace 1300 LF of 12 inch AC with 1300 LF of 24 inch DIPCL	1806808, 1901609				\$ 467,500	\$ 467,500	Yes	\$ 467,500	\$ 480,000	\$ 440,000	\$ 158,409	Nashua	Yes	\$ 26.23	\$ 4,157	Adjusted cost based on final installed materials in 2020 - some work will carry over into 2022
NWS Improvements - Deerwood Dr. Northwest Blvd Loop	Add 3400 LF of 20 inch HDPE including RR pipe iacking	1806806, 1901610				\$ 635,800	\$ 635,800	Yes	\$ 635,800	\$ 655,000	\$ 1,338,000	\$ 1,302,871	Nashua	Yes	\$ 26.23	\$ 34,174	Adjusted cost based on final installed materials in 2020 - some work will carry over into 2023
NWS Improvements Ponemah Rd/Route 101A Loop	Add 2200 LF of 12 inch DIPCL to close two loop major dead ends	1901611				\$ 484,000	\$ 484,000	Yes	\$ 484,000	\$ -	\$ -	\$ -	Nashua	Yes	\$ 26.23	\$ -	Project cancelled and replaced with piping in projects above
NWS Improvements - Engineering Design and Inspection	Engineering and Inspection of NW System watermain improvements		01 DSRR			Included in NWS Improvements above	Included in NWS Improvements above	No	\$ -	\$ -	\$ -	\$ 174,347	Nashua	Yes	\$ 26.23	\$ 4,573	
City of Nashua Sewer - Chase Street	Replace 470 LF of 6 inch CIP with 470 LF of 6 inch DIPCL	1829925, 1900484	DW17-183	26,101	2/2/2018	\$ 176,000	\$ 190,000	Yes	\$ 190,000	\$ 174,882	\$ 175,400	\$ 175,370	Nashua	Yes	\$ 26.23	\$ 4,600	Project Complete
City of Nashua Sewer - Ash Street	Replace 710 LF of 6 inch CIP with 710 LF of 12 inch DIPCL	1814367, 1915975	DW17-183	26,101	2/2/2018	\$ 242,000	\$ 162,800	Yes	\$ 162,800	\$ 225,666	\$ 180,000	\$ 156,252	Nashua	Yes	\$ 26.23	\$ 4,098	Pavement contribution to City of Nashua of \$20,832 included
City of Nashua Sewer - Lake Street	Replace 2950 LF of 6 inch CI with 12 inch DIPCL	1814740, 1915976	DW17-183	26,101	2/2/2018	\$ 990,000	\$ 1,710,500	Yes	\$ 1,890,050	\$ 1,780,000	\$ 1,610,000	\$ 1,608,850	Nashua	Yes	\$ 26.23	\$ 42,200	Pavement contribution to City of Nashua of \$344,000 included
City of Nashua Paving - Vilna St.	Replace 151 LF of 1.5 inch steel with 2 inch HDPE for paving program	1915860	DW17-183	26,101	2/2/2018	\$ -	\$ 16,750	Yes	\$ 16,750	\$ 20,566	\$ 20,566	\$ 17,400	Nashua	Yes	\$ 26.23	\$ 456	Includes final paving - complete
Interconnection to BWC	Carryover Costs to 2018 projects not recovered in prior QCPAC	1900429	01 DSRR			\$ -	\$ 3,400	No	\$ 3,400	\$ 3,400	\$ -	\$ -	Nashua	Yes	\$ 26.23	\$ -	Carry over costs from project completed in 2018, pay for with 0.1 DSRR
Woodward Avenue	Carryover Costs to 2018 projects not recovered in prior QCPAC	1910117	01 DSRR			\$ -	\$ 2,200	No	\$ 2,200	\$ 2,640	\$ 2,640	\$ -	Nashua	Yes	\$ 26.23	\$ -	Carry over costs from project completed in 2018, pay for with 0.1 DSRR
Ritter Street	Carryover Costs to 2018 projects not recovered in prior QCPAC	1910116	01 DSRR			\$ -	\$ 6,890	No	\$ 6,890	\$ 10,000	\$ 10,000	\$ -	Nashua	Yes	\$ 26.23	\$ -	Carry over costs from project completed in 2018, pay for with 0.1 DSRR
Factory Street	Carryover Costs to 2018 projects not recovered in prior QCPAC	1909270	01 DSRR			\$ -	\$ 20,209	No	\$ 20,209	\$ 24,250	\$ 20,209	\$ 20,209	Nashua	Yes	\$ 26.23	\$ 530	Carry over costs from project completed in 2018, pay for with 0.1 DSRR
Taylor Street	Carryover Costs to 2018 projects not recovered in prior QCPAC	1906988	01 DSRR			\$ -	\$ 233	No	\$ 233	\$ 233	\$ 233	\$ 233	Nashua	Yes	\$ 26.23	\$ 6	Carry over costs from project completed in 2018, pay for with 0.1 DSRR
Shakespeare HP System Exp	Carryover Costs to 2018 projects not recovered in prior QCPAC	1901942	01 DSRR			\$ -	\$ 257	No	\$ 257	\$ 257	\$ 257	\$ 257	Nashua	Yes	\$ 26.23	\$ 7	Carry over costs from project completed in 2018, pay for with 0.1 DSRR
City of Nashua Paving - Mill St.	Abandon 1.5" Steel water main and switch customers over to parallel 8" water main	1915006	01 DSRR			\$ -	\$ 17,900	No	\$ 17,900	\$ 18,261	\$ 18,261	\$ 17,321	Nashua	No	\$ 26.23	\$ -	Includes final paving - complete. Charged to Cost of Removal, Pay for with 0.1 DSRR
City of Nashua Paving - Ferrysalls Ct	Replace 35 ft of 1" copper water main crossing Canal St with a 4" DIPCL Water Main	1908316	DW17-183	26,101	2/2/2018	\$ -	\$ 58,580	Yes	\$ 58,580	\$ 58,580	\$ 58,580	\$ 51,988	Nashua	Yes	\$ 26.23	\$ 1,364	Ferrysalls was replaced last year to the limit of Canal St - complete this is phase 2 extending into Canal St - complete
City of Nashua Paving - Salvati Ct	Replace 1.5" Steel water main and install a 4" DIPCL Water Main (contaminated area)	1908317	DW17-183	26,101	2/2/2018	\$ -	\$ 95,000	Yes	\$ 95,000	\$ 94,800	\$ 94,800	\$ 79,258	Nashua	Yes	\$ 26.23	\$ 2,079	Includes final paving - complete
City of Nashua Paving - Nutt St - Final Paving and restoration	Pavement restoration and final landscaping	1702842, 1907682	DW17-183	26,101	12/2/2018	\$ -	\$ 13,000	Yes	\$ 13,000	\$ 13,500	\$ 13,500	\$ 6,549	Nashua	Yes	\$ 26.23	\$ 172	\$6,240 of this will be recovered from Liberty Gas
City of Nashua Paving - Cheshire St - Final Cleanup	Fence repair and site clean up	1908353	DW17-183	26,101	2/2/2018	\$ -	\$ 1,400	Yes	\$ 1,400	\$ 1,400	\$ 1,400	\$ 486	Nashua	Yes	\$ 26.23	\$ 13	Completion of 2018 Workorder Project
City of Nashua - Simon St at Wall St Upgrade	Abandon pump station pit and clean up intersection pipe work for improved flows	1915974	DW17-183	26,101	2/2/2018	\$ -	\$ 215,100	Yes	\$ 215,100	\$ 233,250	\$ 233,250	\$ 174,754	Nashua	Yes	\$ 26.23	\$ 4,584	Includes base paving - Finished paving required in 2020 not included
City of Nashua Paving - Main St	Main St final paving at intersection with Factory St. Carry over from 2018	1900348, 1915889	DW17-183	26,101	2/2/2018	\$ -	\$ 24,500	Yes	\$ 24,500	\$ 24,500	\$ 24,500	\$ 1,402	Nashua	Yes	\$ 26.23	\$ 37	Final paving bill for this project.
City of Nashua Paving - Lemon St - Carry over from 2017	Paving only - Carry over from 2017	1702875, 1915858	DW17-183	26,101	2/2/2018	\$ -	\$ 24,850	Yes	\$ 24,850	\$ 24,850	\$ 19,900	\$ 18,316	Nashua	Yes	\$ 26.23	\$ 480	Final paving bill for this project.
City of Nashua Paving - Lowell St - Carry over from 2017	Paving only - Carry over from 2017	1915857	DW17-183	26,101	2/2/2018	\$ -	\$ 37,000	Yes	\$ 37,000	\$ 37,000	\$ 37,000	\$ 37,084	Nashua	Yes	\$ 26.23	\$ 973	Final paving bill for this project.
City of Nashua Paving - Green St - Carry over from 2017	Paving only - Carry over from 2017	1915844	DW17-183	26,101	2/2/2018	\$ -	\$ 10,000	Yes	\$ 10,000	\$ 11,000	\$ 9,500	\$ 8,506	Nashua	Yes	\$ 26.23	\$ 234	Final paving bill for this project.
City of Nashua Paving - Beard St - Carry over from 2017	Paving only - Carry over from 2017	1915845	DW17-183	26,101	2/2/2018	\$ -	\$ 25,900	Yes	\$ 25,900	\$ 29,000	\$ 23,000	\$ 21,689	Nashua	Yes	\$ 26.23	\$ 569	Final paving bill for this project.
City of Nashua Paving - Terrace St - Carry over from 2017	Paving only - Carry over from 2018	1915843	DW17-183	26,101	2/2/2018	\$ -	\$ 20,500	Yes	\$ 20,500	\$ 22,000	\$ 12,000	\$ 10,600	Nashua	Yes	\$ 26.23	\$ 278	Final paving bill for this project.
City of Nashua Paving - Warren St - Carry over from 2017	Paving only - Carry over from 2017	1702870, 1915842	DW17-183	26,101	2/2/2018</												

Miscellaneous Equipment Purchased	Replace Chlorine Analyzer, Twin Ridge	1915362	DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ -	\$ 4,449	\$ 4,449	\$ 4,449	Nashua	Yes	\$ 26.23	\$ 117	Routine Miscellaneous Equipment purchase
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	n/a	DW17-183	26,101	2/2/2018	\$ 30,000	\$ 30,000	Yes	\$ 30,000	\$ 27,800	\$ 27,800	\$ -	Various	Yes	\$ 27.02	\$ -	
Miscellaneous SCADA/Electrical	Replace VFD, Pump #1 Bowers Landing	1916547	DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ -	\$ 2,200	\$ 2,200	\$ 2,118	Various	Yes	\$ 27.02	\$ 57	
WTP Structural/HVAC	WTP Structural/HVAC	n/a	DW17-183	26,101	2/2/2018	\$ 10,000	\$ 10,000	Yes	\$ 10,000	\$ 10,000	\$ -	\$ -	Nashua	Yes	\$ 26.23	\$ -	
WTP Structural/HVAC	Replace Heat Exchanger, WTP Office	1917470	DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ -	\$ -	\$ 8,328	\$ 8,328	Nashua	Yes	\$ 26.23	\$ 218	WTP Structural/HVAC project
Purchase new lab equipment	Purchase new lab equipment	n/a	DW17-183	26,101	2/2/2018	\$ 20,000	\$ 18,500	Yes	\$ 18,500	\$ 18,500	\$ 18,500	\$ -	Nashua	Yes	\$ 26.23	\$ -	Reduced by purchase of HACH DR 900 below
Purchase new lab equipment	HACH DR 900	1908450	DW17-183	26,101	2/2/2018	\$ -	\$ 1,500	Yes	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,435	Nashua	Yes	\$ 26.23	\$ 38	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	DW17-183	26,101	2/2/2018	\$ 10,000	\$ 10,000	Yes	\$ 10,000	\$ 3,256	\$ 3,256	\$ -	Various	Yes	\$ 27.02	\$ -	
Miscellaneous Fencing and Security projects	WTP Perimeter Fence Carryover	1901608	DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ -	\$ 6,744	\$ 6,744	\$ 6,744	Various	Yes	\$ 27.02	\$ 182	
Purchase new vehicle for Water Supply Electrician	Purchase of a new vehicle for the Water Supply Electrician	1918314	DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ -	\$ -	\$ 32,400	\$ 28,997	Nashua	No	\$ 26.23	\$ -	unbudgeted. Made necessary due to the premature retirement of 2 dept. vehicles.
Replace Ferric Chloride Feed pump	Replace Ferric Chloride Feed pump	1901613	DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ -	\$ -	\$ 1,713	\$ 1,713	Nashua	Yes	\$ 26.23	\$ 45	pump rebuild was determined to be best course.
Carbon media changout-filters 1 & 2	Carbon media changout-filters 1 & 2	1901614 & 1916780	DW17-183	26,101	2/2/2018	\$ 1,000,000	\$ 1,050,000	Yes	\$ 1,525,000	\$ 975,000	\$ 975,000	\$ 990,662	Nashua	Yes	\$ 26.23	\$ 25,985	New PFAS regulations require that all filter media be changed out to enure compliance with the new PFOA standard which is slated to go into effect on October 1, 2019. Filter media replacement being staged over 6 month intervals. 8 of 12 filters to be replaced in 2019, remaining four filters to be replaced in Spring 2020.
Add 3rd pump at Main Dunstable Booster, replace 1 existing	Add 3rd pump at Main Dunstable Booster, replace 1 existing	n/a	DW17-183	26,101	2/2/2018	\$ 120,000	\$ -	Yes	\$ -	\$ -	\$ -	\$ -	Nashua	Yes	\$ 26.23	\$ -	Addition of 3rd pump deferred or eliminated until future date subject to performance of rebuilt 2nd pump.
Rebuild Main Dunstable pump #1	Rebuild Pump #1, Main Dunstable, Nashua	1901615	DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ -	\$ 15,995	\$ 15,995	\$ 15,995	Nashua	Yes	\$ 26.23	\$ 420	
Replace Kessler Farm booster pump package	Replace 20 year old package booster station pumps and piping. Piping is steel which is beginning to pit	n/a	DW17-183	26,101	2/2/2018	\$ 75,000	\$ 75,000	Yes	\$ 75,000	\$ 75,000	\$ -	\$ -	Nashua	Yes	\$ 26.23	\$ -	Project deferred until 2020
Stump Pond Subwatershed assessment	Stump Pond Subwatershed assessment	n/a	0.1 DSRR			\$ 25,000	\$ 25,000	No	\$ 25,000	\$ 25,000	\$ 25,000	\$ -	Merrimack	No	\$ 28.86	\$ -	Study - Pay for with 0.1 DSRR
Stump Pond Stormwater BMP	Stump Pond Stormwater BMP	1908373	0.1 DSRR			\$ 20,000	\$ 20,000	No	\$ 20,000	\$ 20,000	\$ 20,000	\$ 1,310	Merrimack	No	\$ 28.86	\$ -	Study - Pay for with 0.1 DSRR
Public Education - Watershed signage	Public Education -Watershed signage	n/a	0.1 DSRR			\$ 20,000	\$ 20,000	No	\$ 20,000	\$ 20,000	\$ 20,000	\$ -	Merrimack	No	\$ 28.86	\$ -	Study - Pay for with 0.1 DSRR
Replace 2 Hach Turbidimeters and associated control module	Replace 2 Hach Turbidimeters and associated control module	1901618	DW17-183	26,101	2/2/2018	\$ 10,000	\$ 10,000	Yes	\$ 10,000	\$ 8,000	\$ 8,001	\$ 7,978	Nashua	Yes	\$ 26.23	\$ 209	
Camera System Upgrade	Carryover Costs from 2018 Project	1819073, 1900413	0.1 DSRR			\$ -	\$ 7,500	No	\$ 7,500	\$ 7,500	\$ 7,500	\$ 9,756	Nashua	Yes	\$ 26.23	\$ 256	Carry over costs from project completed in 2018, pay for with 0.1 DSRR
Dredging Feasibility Study	Carryover Costs from 2018 study	1807145, 1901939	0.1 DSRR			\$ -	\$ 24,600	No	\$ 24,600	\$ 24,600	\$ 24,600	\$ 39,520	Merrimack	No	\$ 28.86	\$ -	Study - Pay for with 0.1 DSRR
Source Water Protection Study	Carryover Costs from 2018 study	1901740	0.1 DSRR			\$ -	\$ 12,000	No	\$ 12,000	\$ 12,000	\$ 12,000	\$ 11,000	Merrimack	No	\$ 28.86	\$ -	Study - Pay for with 0.1 DSRR
Aquatic Vegetation Assessment	Carryover Costs from 2018 study	1807147, 1906080	0.1 DSRR			\$ -	\$ 4,200	No	\$ 4,200	\$ 4,200	\$ 4,200	\$ 9,545	Merrimack	No	\$ 28.86	\$ -	Study - Pay for with 0.1 DSRR
Fiber Conduit between WTP and Dist	Install Fiber Conduit between Water Treatment Plant and Distribution to eliminate ongoing Comcast Ethernet line to one of the buildings	1901619	DW17-183	26,101	2/2/2018	\$ 40,000	\$ 40,000	Yes	\$ 40,000	\$ 36,000	\$ 24,985	\$ 22,896	Nashua	Yes	\$ 26.23	\$ 601	
Munis FER Enhancements	Munis FER Enhancements	n/a	DW17-183	26,101	2/2/2018	\$ 35,000	\$ 35,000	Yes	\$ 35,000	\$ 35,000	\$ -	\$ -	Merrimack	No	\$ 28.86	\$ -	No upgrades enhancements will be completed in 2019
Wireless Access Points for Main Office	Wireless Access Points for Main Office	n/a	DW17-183	26,101	2/2/2018	\$ 14,000	\$ -	Yes	\$ -	\$ -	\$ -	\$ -	Merrimack	No	\$ 28.86	\$ -	Momes moved to Veeam Backup Project
KVM for Data Center	Keyboard Video Mouse for Data Center so that multiple servers can be accessed by one console without having to move the Monitor/Keyboards/ Mouse connections each time.	n/a	DW17-183	26,101	2/2/2018	\$ 2,500	\$ -	Yes	\$ -	\$ -	\$ -	\$ -	Merrimack	No	\$ 28.86	\$ -	
IOS Charging Station	Charging Station for multiple iPads to allow for upgrades across multiple devices concurrently.	n/a	DW17-183	26,101	2/2/2018	\$ 1,200	\$ -	Yes	\$ -	\$ -	\$ -	\$ -	Merrimack	No	\$ 28.86	\$ -	
Digital Signage for Distribution	Digital Signage for Distribution allowing notices and schedules to be more prominently displayed	1908376	0.1 DSRR	26,101	2/2/2018	\$ 2,000	\$ 1,270	No	\$ 1,270	\$ 1,270	\$ 1,270	\$ -	Merrimack	No	\$ 28.86	\$ -	
VDI Pilot	A pilot to determine whether a Virtual Desktop Infrastructure would be feasible for our environment	n/a	DW17-183	26,101	2/2/2018	\$ 12,000	\$ -	Yes	\$ -	\$ -	\$ -	\$ -	Merrimack	No	\$ 28.86	\$ -	
Misc Hardware	Misc Hardware	n/a	DW17-183	26,101	2/2/2018	\$ 20,000	\$ 20,000	Yes	\$ 20,000	\$ 16,153	\$ 16,153	\$ -	Merrimack	No	\$ 28.86	\$ -	
Misc Hardware	Mount in Vehicles	1908308	0.1 DSRR			\$ -	\$ -	No	\$ -	\$ 1,397	\$ 1,397	\$ 1,248	Merrimack	No	\$ 28.86	\$ -	
Misc Hardware	2 iPad Pros for IS Testing	1908309	0.1 DSRR			\$ -	\$ -	No	\$ -	\$ 2,450	\$ 2,450	\$ 2,298	Merrimack	No	\$ 28.86	\$ -	
Misc Software	Misc Software	n/a	DW17-183	26,101	2/2/2018	\$ 12,000	\$ 12,000	Yes	\$ 12,000	\$ 12,000	\$ 12,000	\$ -	Merrimack	No	\$ 28.86	\$ -	
Website upgrades	Website upgrades	n/a	DW17-183	26,101	2/2/2018	\$ 8,000	\$ 8,000	Yes	\$ 8,000	\$ 8,000	\$ 8,000	\$ -	Merrimack	No	\$ 28.86	\$ -	
Implement Customer Balances over the phone	Implement Customer Balances over the phone	n/a	DW17-183	26,101	2/2/2018	\$ 4,000	\$ 25,500	Yes	\$ 25,550	\$ -	\$ -	\$ -	Merrimack	No	\$ 28.86	\$ -	Deferred
Click Resource Assistant	Allow for the moving of customer Appointment from an generic resource to a named resource.	1907952	0.1 DSRR			\$ -	\$ 22,828	No	\$ 22,828	\$ 22,828	\$ 22,828	\$ 22,828	Merrimack	No	\$ 28.86	\$ -	
Database Server License for GIS and other Apps	Purchase Server license for Virtual Environment	1915920	DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ -	\$ 7,200	\$ 7,200	\$ 7,305	Merrimack	No	\$ 28.86	\$ -	Previously licensed software was not suitable for Virtual environment
Veeam Backup Software	Replacement of existing backup software due to exorbitant vendor fees to keep original system running.	1909216	0.1 DSRR			\$ -	\$ 25,550	No	\$ 25,550	\$ 25,500	\$ 25,500	\$ 15,530	Merrimack	No	\$ 28.86	\$ -	
New RCO Manager Computer	New RCO Manager Computer	1917001	0.1 DSRR			\$ -	\$ -	No	\$ -	\$ -	\$ 2,800	\$ 1,797	Merrimack	No	\$ 28.86	\$ -	Replace failed desktop computer
Kessler Farm Tank Design	Kessler Farm Tank Design	1915117	0.1 DSRR	26,101	2/2/2018	\$ -	\$ -	No	\$ -	\$ -	\$ -	\$ 36,355	Nashua	No	\$ 26.23	\$ -	Engineering for tank to be constructed in 2020.
Retainage	Payment of Retainage for projects that were used and useful in 2018.		DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ -	\$ 148,006	\$ 174,418	\$ 33,586	Merrimack	No	\$ 28.86	\$ -	Retainage paid in 2019 for 2018 QCPAC projects.
Short term interest on the PWW Fixed Asset Line of Credit	Capitalized interest incurred on FALOC draws to fund 2019 Capex from 1/1/2019 thru 4/2/2020		DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ -	\$ -	\$ -	\$ 230,645	Various	No	\$ 28.86	\$ -	
Performance Management Platform Implementation & Technical Integration	Performance Management Platform Implementation & Technical Integration	1916551	DW17-183	26,101	2/3/2018	\$ -	\$ -	Yes	\$ -	\$ 13,804	\$ 13,804	\$ 13,804	Merrimack	No	\$ 28.86	\$ -	
Papercut MF Software for copiers	Papercut MF Software for copiers	1918363	DW17-183	26,101	2/3/2018	\$ -	\$ -	Yes	\$ -	\$ -	\$ -	\$ 3,708	Merrimack	No	\$ 28.86	\$ -	
Pennichuck Water Works Projected 2019 Total Capital Expenditure Budget -						\$ 14,968,170	\$ 16,902,524		\$ 17,557,124	\$ 16,890,831	\$ 16,542,253	\$ 15,801,867	Projected Property Tax Expense associated		\$ 416,593		

Total Projected PWW QCPAC Capex for 2019 -	\$ 16,832,524	\$ 14,898,170	\$ 17,169,748	\$ 16,704,314	\$ 16,072,602	\$ 15,374,227
Amount funded by SRF/DWGTf -	\$ 8,819,800	\$ 8,819,800	\$ 8,819,800	\$ 8,819,800	\$ 8,812,000	\$ 8,219,379
Amount to be funded by 2020 Bond Issue -	\$ 8,012,724	\$ 6,078,370	\$ 8,349,948	\$ 7,884,514	\$ 7,260,602	\$ 7,154,848

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

2. Projects funded by 0.1 DSRR funds are not QCPAC eligible because the cash to fund these projects is not bonded. Total 2019 Capex to be funded by 0.1 DSRR funds -

11/30/201912/31/2019

\$ 469,651\$ 427,640

The 12/31/2019 0.1 DSRR amount has been increased by to reflect the Staff DR21 response indicating that \$ 21,175 of the project costs being funded with DWGTf is being funded with 0.1 DSRR monies.

2020 QCPAC Budget

Project Name/Description	Project Description	Work Order #	Financing Doc/et No.	NHPUC Order No.	Date of NHPUC Order	Board Approved 2020 Capex Budget	QCPAC Eligible?	Estimated Project Cost as of 6/30/2020	Estimated Project Cost as of 9/30/2020	Estimated Project Cost as of 11/30/2020	Final Project cost as of 12/31/2020	Community	Taxable	Tax Rate (%)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since 2/9/2020
New Building - Phone System	Replacement of existing Phone system. New system will not work with existing hardware.	2001988	0.1 DSRR			\$ 70,000	No	\$ 60,000				Nashua	Yes	\$ 26.23	\$ 1,574	
New Building - Cables (per 12/5 DW email)	Cables for new buildings	2001988	0.1 DSRR			\$ 12,000	No	\$ 80,000				Nashua	Yes	\$ 26.23	\$ 2,098	changed to create credit against transfer
New Building - Appliances (per 1/2/20 conversation with LEO)	Appliances (Refrigerator, dishwasher, microwave, etc)	2001988	0.1 DSRR			\$ 7,000	No	\$ 5,500				Nashua	Yes	\$ 26.23	\$ 144	
New Building - relocation of Camet to New Office location	New Building - relocation of Camet to New Office location	2001988	0.1 DSRR			\$ 60,000	No	\$ 140,000				Nashua	Yes	\$ 26.23	\$ 3,672	
New Building - Office Furniture	New Building - Office Furniture	2001988	0.1 DSRR			\$ 30,000	No	\$ 180,000				Nashua	Yes	\$ 26.23	\$ 474	Item is omitted budget
ISMP - IOW module Management	Software configuration support for ISMP products	2004171		Future Financing Petition		\$ 6,000	Yes	\$ 6,000				Merimack	No	\$ 28.80	\$ -	
Document Management	Software to allow for document tracking and flow management (Accountant)	n/a		Future Financing Petition		\$ 8,000	Yes	\$ 8,000				Merimack	No	\$ 28.80	\$ -	
Click Software move to MS sql	Move Click Database from Oracle to MS sql in order to retire Oracle after the WAM replacement project is complete	20015421		Future Financing Petition		\$ 43,000	Yes	\$ 15,500				Merimack	No	\$ 28.80	\$ -	
Lemon Street, Final Restoration	2020 Carrievore Costs	2000693		Future Financing Petition		\$ -	Yes	\$ 1,800				Nashua	Yes	\$ 26.23	\$ 39	Not included in approved 2020 Budget
Lowell Street, Final Restoration	2020 Carrievore Costs	2000694		Future Financing Petition		\$ -	Yes	\$ 2,500				Nashua	Yes	\$ 26.23	\$ 66	Not included in approved 2020 Budget
West Paul Street, Final Restoration	2020 Carrievore Costs	2000695		Future Financing Petition		\$ -	Yes	\$ 12,750				Nashua	Yes	\$ 26.23	\$ 334	Not included in approved 2020 Budget
Ellis Street, Final Restoration	2020 Carrievore Costs	2000696		Future Financing Petition		\$ -	Yes	\$ 21,700				Nashua	Yes	\$ 26.23	\$ 571	Not included in approved 2020 Budget
Warren Street, Final Restoration	2020 Carrievore Costs	2000697		Future Financing Petition		\$ -	Yes	\$ 4,500				Nashua	Yes	\$ 26.23	\$ 89	Not included in approved 2020 Budget
Pennichuck Water Works Projected 2020 Total Capital						\$ 10,175,700	Yes	\$ 7,255,674	\$ -	\$ -	\$ -	Projected Property Tax Expense			\$ 86,412	
R-1 DSRR Funded project Total -						\$ 409,300		\$ 509,800								
Total Projected PWW QCPAC Capex for 2020 -						\$ 9,766,400		\$ 6,685,814								
Total Projected PWW QCPAC Capex for 2020 funded with Bonds -						\$ 9,211,025		\$ 6,130,439								
Total Projected PWW QCPAC Capex for 2020 funded with Drinking Water and Groundwater Trust Fund -						\$ 555,375		\$ 555,375								
Project Annual Paid on 2020 QCPAC eligible Projects -						\$ 628,925		\$ 428,438								
Estimated Bond Terms (Bonds to be sold in April 2021) -						30 Years @	5.0%	\$ 599,190		\$ 398,794						
DWG(T) Terms -						30 Years @	5.38%	\$ 29,744		\$ 29,744						

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

Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	2021 Approved Budgeted Amount, Revised to reflect 2020 QCPAC activity	QCPAC Eligible?	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since 2/9/2021
2021 New Services (10)	Single Family, Owner Build, New Homes				Future Financing Petition	\$ 50,000	Yes	Various	Yes	\$ 27.02	\$ 1,351	
2021 Renewed Services (20)	Replacement of Failed Services				Future Financing Petition	\$ 110,000	Yes	Various	Yes	\$ 27.02	\$ 2,972	
2021 Hydrants (10)	Replacement of non functional hydrants				Future Financing Petition	\$ 60,000	Yes	Various	Yes	\$ 27.02	\$ 1,621	
2021 Gates (10)	Replacement of Failed Gate Valves				Future Financing Petition	\$ 40,000	Yes	Various	Yes	\$ 27.02	\$ 1,081	
2021 Radios (4000)	Boon 7 year replacement of all PWW radios (all initial radios installed in 2007)				Future Financing Petition	\$ 520,000	Yes	Various	Yes	\$ 27.02	\$ 14,050	
2021 Meters (Growth) 5/8"-2" - Core & CWS (TBD)	New meters for new customers (280). Replacement of failed meters (200)				Future Financing Petition	\$ 50,000	Yes	Various	Yes	\$ 27.02	\$ 1,351	
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles				Future Financing Petition	\$ 70,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles				Future Financing Petition	\$ 70,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Replacement Utility Van	New Utility Van to replace existing high mileage/maintenance vehicles				Future Financing Petition	\$ 35,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Replacement Utility Van	New Utility Van to replace existing high mileage/maintenance vehicles				Future Financing Petition	\$ 35,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Protectus Meter Upgrade	Protectus Meter Upgrade				0.1 DSR	\$ 22,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Kessler Farm Tank Replacement	Replaced 4 MG painted steel water tank with 4 MG prestressed, precast water tank.	2000379			Future Financing Petition	\$ 3,328,000	Yes	Nashua	Yes	\$ 26.23	\$ 87,293	Construction deferred from 2020 to 2021
Brook Street	Replace 225 LF of 4 inch and 915 LF of 6 inch CI with 1140 LF of 8 inch DIPCL				Future Financing Petition	\$ 42,000	Yes	Nashua	Yes	\$ 26.63	\$ 1,118	
Hamilton Street	Replace 410 LF of 6 inch CI with 4 inch DIPCL				Future Financing Petition	\$ 7,000	Yes	Nashua	Yes	\$ 26.63	\$ 186	
Burritt Street	Replace 425 LF of 4 inch CI with 8 inch DIPCL				Future Financing Petition	\$ 15,000	Yes	Nashua	Yes	\$ 26.63	\$ 399	
Burritt Street	Replace 125 LF of 4 inch CI with 4 inch DIPCL				Future Financing Petition	\$ 4,000	Yes	Nashua	Yes	\$ 26.63	\$ 107	
Verona Street	Replace 675 LF of 6 inch CI with 8 inch DIPCL				Future Financing Petition	\$ 15,000	Yes	Nashua	Yes	\$ 26.63	\$ 399	
Sarasota Ave	Replace 250 LF of 6 inch CI with 8 inch DIPCL				Future Financing Petition	\$ 9,000	Yes	Nashua	Yes	\$ 26.63	\$ 240	
Lanwood Street	Replace 960 LF of 6 inch CI with 8 inch DIPCL				Future Financing Petition	\$ 284,000	Yes	Nashua	Yes	\$ 26.63	\$ 7,563	
Baldwin Street	Replace 1240 LF of 6 inch CI with 1240 LF of 8 inch DIPCL				Future Financing Petition	\$ 368,000	Yes	Nashua	Yes	\$ 26.63	\$ 9,800	
Euclid Avenue	Replace 425 LF of 6 inch CI with 425 LF of 8 inch DIPCL				Future Financing Petition	\$ 126,000	Yes	Nashua	Yes	\$ 26.63	\$ 3,355	
Fairview Street	Replace 800 LF of 6 inch CI with 800 LF of 8 inch DIPCL				Future Financing Petition	\$ 237,000	Yes	Nashua	Yes	\$ 26.63	\$ 6,311	
Temple St (south to gorman)	Replace 900 LF of 8 inch CI with 12 inch DIPCL				Future Financing Petition	\$ 329,000	Yes	Nashua	Yes	\$ 26.63	\$ 8,761	
School Street / (High to W. Pearl Alleyway)	Replace 400 LF of 4 inch CI with 8 inch DIPCL				Future Financing Petition	\$ 135,000	Yes	Nashua	Yes	\$ 26.63	\$ 3,595	
Replace Engineering Pickup	Replace Engineering Pickup with > 150,000 Miles				Future Financing Petition	\$ 36,000	Yes	Nashua	No	\$ 26.63	\$ -	
Replace Engineering SUV	Replace Engineering SUV with > 150,000 Miles				Future Financing Petition	\$ 30,000	Yes	Nashua	No	\$ 26.63	\$ -	
Milford Booster Station	Replace/Relocate/Upgrade the Milford Booster Station (>2MGD)				Future Financing Petition	\$ 660,000	Yes	Amherst	Yes	\$ 26.63	\$ 17,576	
Investment in developer installed services	1x annual revenue per tariff				Future Financing Petition	\$ 60,000	Yes	Various	Yes	\$ 27.02	\$ 1,621	
2020 Nashua City Sewer Projects	To be determined				Future Financing Petition	\$ 1,100,000	Yes	Nashua	Yes	\$ 26.63	\$ 29,293	
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild				Future Financing Petition	\$ 55,000	Yes	Various	Yes	\$ 27.02	\$ 1,486	
Well Pump replacements	Well Pump replacements				Future Financing Petition	\$ 18,750	Yes	Various	Yes	\$ 27.02	\$ 507	
Chemical Feed pump replacements	Chemical Feed pump replacements				Future Financing Petition	\$ 15,000	Yes	Various	Yes	\$ 27.02	\$ 405	
Supply Pond Spillway Improvements	Supply Pond Spillway Improvements				Future Financing Petition	\$ 750,000	Yes	Merrimack/Nashua	Yes	\$ 27.55	\$ 20,663	
Install/replace treatment systems in small CWS	Install/replace treatment systems in small CWS				Future Financing Petition	\$ 18,750	Yes	Various	Yes	\$ 27.02	\$ 507	
Misc. Structural Improvements	Misc. Structural Improvements				Future Financing Petition	\$ 27,500	Yes	Various	Yes	\$ 27.02	\$ 743	
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased				Future Financing Petition	\$ 17,500	Yes	Various	Yes	\$ 27.02	\$ 473	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical				Future Financing Petition	\$ 27,500	Yes	Various	Yes	\$ 27.02	\$ 743	
Well Rehabilitation	Well Rehabilitation				Future Financing Petition	\$ 40,000	Yes	Various	Yes	\$ 27.02	\$ 1,081	
WTP Structural/HVAC	WTP Structural/HVAC				Future Financing Petition	\$ 7,500	Yes	Nashua	Yes	\$ 26.63	\$ 200	
Purchase new lab equipment	Purchase new lab equipment				Future Financing Petition	\$ 15,000	Yes	Nashua	Yes	\$ 26.63	\$ 399	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects				Future Financing Petition	\$ 7,500	Yes	Various	Yes	\$ 27.02	\$ 203	
Replace Vehicle	Replace Vehicle				Future Financing Petition	\$ 65,000	Yes	Nashua	No	\$ 26.63	\$ -	
Replace Vehicle	Replace Vehicle				Future Financing Petition	\$ 65,000	Yes	Nashua	No	\$ 26.63	\$ -	
Replace Vehicle	Replace Vehicle				Future Financing Petition	\$ 40,000	Yes	Various	No	\$ 28.85	\$ -	
Replace Vehicle	Replace Vehicle				Future Financing Petition	\$ 40,000	Yes	Nashua	No	\$ 26.63	\$ -	
Blowers Spillway Reconstruction	NHDES Regulatory requirement				Future Financing Petition	\$ 1,100,000	Yes	Merrimack/Nashua	Yes	\$ 27.55	\$ 30,305	
Various IT initiatives	Various IT initiatives				0.1 DSR	\$ 400,000	Yes	Nashua	No	\$ 26.63	\$ -	
Pennichuck Water Works Projected 2021 Total Capital Expenditure Budget -						\$ 10,557,000		Projected Property Tax Expense associated with		\$	257,759	

Total Projected PWW QCPAC Capex for 2021 (less 0.1 DSR) - \$ 10,135,000

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

Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	2022 Approved Budgeted Amount, Revised to reflect 2020 QCPAC activity	QCPAC Eligible?	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since 2/9/2022
2022 New Services (10)	Single Family Owner Build New Homes					\$ 50,000	Yes	Various	Yes	\$ 27.02	\$ 1,351	
2022 Renewed Services (20)	Replacement of Failed Services					\$ 110,000	Yes	Various	Yes	\$ 27.02	\$ 2,972	
2022 Hydrants (10)	Replacement of non functional hydrants					\$ 60,000	Yes	Various	Yes	\$ 27.02	\$ 1,621	
2022 Gates (10)	Replacement of Failed Gate Valves					\$ 40,000	Yes	Various	Yes	\$ 27.02	\$ 1,081	
2022 Radios (4000)	Year 2 of 7 year replacement of all PWW radios (all initial radios installed in 2007)					\$ 520,000	Yes	Various	Yes	\$ 27.02	\$ 14,050	
2022 Meters (Growth) 5/8"-2" - Core & CWS	New meters for new customers (280). Replacement of failed meters (200)					\$ 50,000	Yes	Various	Yes	\$ 27.02	\$ 1,351	
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles					\$ 70,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles					\$ 70,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Replacement Utility Van	New Utility Van to replace existing high mileage/maintenance vehicles					\$ 35,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Protectus Meter Upgrade	Protectus Meter Upgrade				0.1 DSRR	\$ 22,000	Yes	Nashua	Yes	\$ 26.63	\$ 586	
Sargent Street	Replace 1900 LF of 6 inch CI with 1900 LF of 16 inch DIPCL					\$ 564,000	Yes	Nashua	Yes	\$ 26.63	\$ 15,019	Water main replacement deferred from 2021 to 2022
Courland Street	Replace 1170 LF of 4 inch CI with 1170 LF of 16 inch DIPCL					\$ 347,000	Yes	Nashua	Yes	\$ 26.63	\$ 9,241	Water main replacement deferred from 2021 to 2022
Ald Street	Replace 1860 LF of 6 & 8 inch CI with 12 inch DIPCL					\$ 870,000	Yes	Nashua	Yes	\$ 26.63	\$ 23,168	Water main replacement deferred from 2021 to 2022
Lawnside Avenue	Replace 1085 LF of 6 inch CI with 12 inch DIPCL					\$ 492,000	Yes	Nashua	Yes	\$ 26.63	\$ 13,102	Water main replacement deferred from 2021 to 2022
Larwood Street	Replace 960 LF of 6 inch CI with 8 inch DIPCL					\$ 31,000	Yes	Nashua	Yes	\$ 26.63	\$ 826	
Blacom Street	Replace 1240 LF of 6 inch CI with 1240 LF of 8 inch DIPCL					\$ 40,000	Yes	Nashua	Yes	\$ 26.63	\$ 1,065	
Euclid Avenue	Replace 425 LF of 6 inch CI with 425 LF of 8 inch DIPCL					\$ 14,000	Yes	Nashua	Yes	\$ 26.63	\$ 373	
Fairview Street	Replace 800 LF of 6 inch CI with 800 LF of 8 inch DIPCL					\$ 26,000	Yes	Nashua	Yes	\$ 26.63	\$ 692	
Sargent Street	Replace 1900 LF of 6 inch CI with 1900 LF of 16 inch DIPCL					\$ 62,000	Yes	Nashua	Yes	\$ 26.63	\$ 1,651	
Courland Street	Replace 1170 LF of 4 inch CI with 1170 LF of 16 inch DIPCL					\$ 38,000	Yes	Nashua	Yes	\$ 26.63	\$ 1,012	
Ald Street	Replace 1860 LF of 6 & 8 inch CI with 12 inch DIPCL					\$ 96,000	Yes	Nashua	Yes	\$ 26.63	\$ 2,556	
Lawnside Avenue	Replace 1085 LF of 6 inch CI with 12 inch DIPCL					\$ 54,000	Yes	Nashua	Yes	\$ 26.63	\$ 1,438	
Temple St (south to gorman)	Replace 900 LF of 8 inch CI with 12 inch DIPCL					\$ 45,000	Yes	Nashua	Yes	\$ 26.63	\$ 1,198	
School Street (High to W. Pearl Alleyway)	Replace 400 LF of 4 inch CI with 8 inch DIPCL					\$ 15,000	Yes	Nashua	Yes	\$ 26.63	\$ 399	
2020 Nashua City Sewer Projects	Residual Paving Contribution for work complete in 2020					\$ 200,000	Yes	Nashua	Yes	\$ 26.63	\$ 5,326	
Benson Avenue	Replace 550 LF of 4 inch CI with 8 inch DIPCL					\$ 189,000	Yes	Nashua	Yes	\$ 26.63	\$ 5,033	
Squalling Street	Replace 950 LF of 6 inch CI with 8 inch DIPCL					\$ 325,000	Yes	Nashua	Yes	\$ 26.63	\$ 8,655	
Alstead Avenue	Replace 240 LF of 4 inch CI with 4 inch DIPCL					\$ 72,000	Yes	Nashua	Yes	\$ 26.63	\$ 1,917	
Squalling Avenue	Replace 430 LF of 6, 2, & 1.25 inch CI with 4 inch DIPCL					\$ 93,000	Yes	Nashua	Yes	\$ 26.63	\$ 2,477	
St Lazare Street	Replace 415 LF of 2 inch CI with 4 inch DIPCL					\$ 90,000	Yes	Nashua	Yes	\$ 26.63	\$ 2,397	
Ingleth St (St Camille to end)	Replace 200 LF of 1.5 inch CI with 4 inch DIPCL					\$ 43,000	Yes	Nashua	Yes	\$ 26.63	\$ 1,145	
Nye Avenue	Replace 400 LF of 2 & 1.5 inch CI with 4 inch DIPCL					\$ 86,000	Yes	Nashua	Yes	\$ 26.63	\$ 2,290	
Copp Street	Replace 350 LF of 6 inch CI with 8 inch DIPCL					\$ 122,000	Yes	Nashua	Yes	\$ 26.63	\$ 3,249	
Gray Avenue	Replace 360 LF of 6 inch CI with 6 inch DIPCL					\$ 100,000	Yes	Nashua	Yes	\$ 26.63	\$ 2,663	
Coburn Woods (all side streets)	Replace 4400 LF of 2 inch PVC with 4 inch DIPCL					\$ 1,188,000	Yes	Nashua	Yes	\$ 26.63	\$ 31,636	
City Sewer Projects	Replace CI with DIPCL					\$ 1,100,000	Yes	Nashua	Yes	\$ 26.63	\$ 29,293	
Sawyer Street	Replace 1600 LF of 6 inch CI with 12 inch DIPCL					\$ 475,000	Yes	Nashua	Yes	\$ 26.63	\$ 12,649	
Woodward Street	Replace 360 LF of 8 inch CI with 470 LF of 8 inch DIPCL					\$ 139,000	Yes	Nashua	Yes	\$ 26.63	\$ 3,702	
Blossom Street	Replace 2400 LF of 6 inch CI and 8 inch CI with 2400 LF of 8 inch DIPCL					\$ 712,000	Yes	Nashua	Yes	\$ 26.63	\$ 18,961	
Investment in developer installed services	1x annual revenue per tariff					\$ 60,000	Yes	Various	Yes	\$ 27.02	\$ 1,621	
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild					\$ 55,000	Yes	Various	Yes	\$ 27.02	\$ 1,496	
Well Pump replacements	Well Pump replacements					\$ 18,750	Yes	Various	Yes	\$ 27.02	\$ 507	
Chemical Feed pump replacements	Chemical Feed pump replacements					\$ 15,000	Yes	Various	Yes	\$ 27.02	\$ 405	
Install/replace treatment systems in small CWS	Install/replace treatment systems in small CWS					\$ 15,000	Yes	Various	Yes	\$ 27.02	\$ 405	
Misc. Structural Improvements	Misc. Structural Improvements					\$ 20,000	Yes	Various	Yes	\$ 27.02	\$ 540	
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased					\$ 20,000	Yes	Various	Yes	\$ 27.02	\$ 540	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical					\$ 30,000	Yes	Various	Yes	\$ 27.02	\$ 811	
Well Rehabilitation	Well Rehabilitation					\$ 50,000	Yes	Various	Yes	\$ 27.02	\$ 1,351	
WTP Structural/HVAC	WTP Structural/HVAC					\$ 10,000	Yes	Nashua	Yes	\$ 26.63	\$ 266	
Purchase new lab equipment	Purchase new lab equipment					\$ 20,000	Yes	Nashua	No	\$ 26.63	\$ -	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects					\$ 10,000	Yes	Various	Yes	\$ 27.02	\$ 270	
Replace Vehicle	Replace Vehicle					\$ 65,000	Yes	Nashua	No	\$ 26.63	\$ -	
Replace Vehicle	Replace Vehicle					\$ 65,000	Yes	Nashua	No	\$ 26.63	\$ -	
Replace Vehicle	Replace Vehicle					\$ 40,000	Yes	Nashua	No	\$ 26.63	\$ -	
Replace Vehicle	Replace Vehicle					\$ 40,000	Yes	Nashua	No	\$ 26.63	\$ -	
Various IT initiatives	Various IT initiatives				0.1 DSRR	\$ 400,000	Yes	Nashua	No	\$ 26.63	\$ -	
Pennichuck Water Works Projected 2022 Total Capital Expenditure Budget -						\$ 9,588,750		Projected Property Tax Expense associated		\$	234,350	

Total Projected PWW QCPAC Capex for 2022 (less 0.1 DSRR)- \$ 9,166,750

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