

	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)	\$ 412,020	(4)	\$ 20,915,578	\$ 238,872	(4)	\$ 21,154,451	(4)	\$ 280,947	\$ 21,435,398	\$ 331,706	\$ 21,767,104				
Annual Principal and Interest Payments	\$	6,999,023	(2)	\$ 855,105	(5)	\$ 7,854,128	\$ 627,599		\$ 8,481,726		\$ 712,704	\$ 9,194,430	\$ 834,155	\$ 10,028,584				
Principal and Interest Coverage Requirement		1.10	(3)			1.10			1.10			1.10		1.10				
Principal and Interest Revenue Requirement	\$	7,698,925				\$ 8,639,540			\$ 9,329,899			\$ 10,113,873		\$ 11,031,443				
Proposed Revenue Requirement w/out special contract revenues	\$	35,325,072	(8)			\$ 36,677,707	(8)		\$ 37,606,938	(8)		\$ 38,671,859		\$ 39,921,135				
Current Water Revenues excluding CBFRR						\$ 28,948,675			\$ 29,877,906			\$ 30,942,827		\$ 32,192,103				
Add: City Bond Fixed Revenue Requirement						\$ 7,729,032			\$ 7,729,032			\$ 7,729,032		\$ 7,729,032				
Current Water Revenues with CBFRR						\$ 36,677,707			\$ 37,606,938			\$ 38,671,859		\$ 39,921,135				
Percent QCPAC Surcharge (9)						3.83%			2.63%			3.01%		3.54%				
Cumulative QCPAC Surcharge (13)						3.83%			6.46%			9.47%		13.01%				
Cumulative QCPAC monthly increase in average single family residential bill						\$ 2.11			\$ 3.55			\$ 5.21		\$ 7.43				
Average monthly single family residential bill with QCPAC	\$	55.02				\$ 57.13			\$ 58.58			\$ 60.24		\$ 62.45				

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 4.0% 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/DWGTF 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 DWGTF 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

Estimated Project Cost as of 9/30/2019	Estimated Project Cost as of 11/30/2019	Final Project cost as of 12/31/2019	Community	Taxable	Tax Rate (I)	QCPAC Eligible Property Tax Expense (Based on Qrtly Update)	Explanation for Change/Addition/Deletion since Petition Filing
\$ 36,000	\$ 58,000	\$ 69,936	Various	Yes	\$ 27.02	\$ 1,890	10 installed through 11/30. Projecteing 1 more by year end.
\$ 96,000	\$ 103,000	\$ 101,648	Various	Yes	\$ 27.02	\$ 2,747	27 replaced through 11/30. Projecting 1 more by year end.
\$ 36,000	\$ 42,000	\$ 40,209	Various	Yes	\$ 27.02	\$ 1,086	6 installed through 12/30. Projecting 1 more by year end.
\$ 12,000	\$ 12,000	\$ 10,573	Various	Yes	\$ 27.02	\$ 286	3 installed through 12/30. Projecting 1 more by year end.
\$ 42,500	\$ 48,000	\$ 48,942	Various	Yes	\$ 27.02	\$ 1,322	Deferred Radio Replacement program (Radios are 12 years old). 441 replaced through 12/30. Projecting 40 more by year end.
\$ 240,000	\$ 200,000	\$ 207,025	Various	Yes	\$ 27.02	\$ 5,594	1605 installed/repalced through 9/30. Projecting 200 more by year end.
			Various	Yes	\$ 27.02	\$ -	
\$ 75,000	\$ 75,000	\$ 66,204	Merrimack	Yes	\$ 28.86	\$ 1,911	
\$ -	\$ 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
\$ 21,000	\$ -		Nashua	Yes	\$ 26.23	\$ -	Deferred until 2020
\$ 7,400	\$ 6,970	\$ 6,970	Nashua	No	\$ 26.23	\$ -	Existing Freeze kits have failed and not repairable 15+ years old
\$ 2,700	\$ 2,597	\$ -	Merrimack	No	\$ 28.86	\$ -	New technology available to display department information digitally
\$ 17,500	\$ 15,888	\$ 15,888	Nashua	No	\$ 26.23	\$ -	Existing units have failed and parts for repair are not available.
\$ -	\$ 1,323	\$ 2,597	Merrimack	No	\$ 28.86	\$ -	Existing steel sander rusted through and was replaced with new sander
\$ -	\$ 7,460	\$ 7,460	Merrimack	No	\$ 28.86	\$ -	
\$ 1,969	\$ 1,969	\$ 1,969	Merrimack	No	\$ 28.86	\$ -	
\$ 1,969	\$ 1,969	\$ 1,969	Merrimack	No	\$ 28.86	\$ -	
\$ 2,542	\$ 2,542	\$ 2,542	Merrimack	No	\$ 28.86	\$ -	
\$ 1,060	\$ 1,060	\$ 1,060	Merrimack	No	\$ 28.86	\$ -	
\$ 1,060	\$ 1,060	\$ 1,060	Merrimack	No	\$ 28.86	\$ -	
\$ 1,060	\$ 1,060	\$ 1,060	Merrimack	No	\$ 28.92	\$ -	
\$ 2,849	\$ 2,849	\$ 2,850	Various	Yes	\$ 27.02	\$ 77	Equipment used in leak detection
\$ 718,063	\$ 661,000	\$ 661,270	Nashua	Yes	\$ 26.23	\$ 17,345	Pavement contribution to the City of Nashua paid in 2018 (\$127,264)
\$ 378,600	\$ 378,600	\$ 373,328	Nashua	Yes	\$ 26.23	\$ 9,792	Pavement contribution to City of Nashua of \$67,650 included
\$ 174,926	\$ 105,000	\$ 97,541	Nashua	Yes	\$ 26.23	\$ 2,558	Pavement contribution to City of Nashua of \$18,000 included
\$ -	\$ 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 pavign in Spring 2020 \$18,000 not included.
\$ 224,486	\$ 175,000	\$ 178,120	Nashua	Yes	\$ 26.23	\$ 4,672	Pavement contribution to City of Nashua of \$27,200 included
\$ 249,200	\$ 260,000	\$ 259,668	Nashua	Yes	\$ 26.23	\$ 6,811	Pavement contribution to City of Nashua of \$38,000 included.
\$ -	\$ -		Nashua	Yes	\$ 26.23	\$ -	Deferred to future year to accommodate additional water main projects
\$ 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
\$ 550,000	\$ 694,000	\$ 548,252	Nashua	Yes	\$ 26.23	\$ 14,381	Adjusted cost based on final installed materials- some work will carry over into 2020 included

Estimated Project Cost as of 9/30/2019	Estimated Project Cost as of 11/30/2019	Final Project cost as of 12/31/2019	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense (Based on Qrtly Update)	Explanation for Change/Addition/Deletion since Petition Filing
\$ 526,000	\$ 490,000	\$ 369,378	Nashua	Yes	\$ 26.23	\$ 9,689	Adjusted cost based on final installed materials- some work will carry over into 2020 included
\$ 480,000	\$ 140,000	\$ 158,469	Nashua	Yes	\$ 26.23	\$ 4,157	Adjusted cost based on final installed materials- some work will carry over into 2020 included
\$ 655,000	\$ 1,338,000	\$ 1,302,871	Nashua	Yes	\$ 26.23	\$ 34,174	Adjusted cost based on final installed materials- some work will carry over into 2020 included
\$ -	\$ -		Nashua	Yes	\$ 26.23	\$ -	Project cancelled and replaced with piping in projects above
		\$ 174,347				\$ -	
\$ 174,882	\$ 175,400	\$ 175,370	Nashua	Yes	\$ 26.23	\$ 4,600	Project Complete
\$ 225,666	\$ 180,000	\$ 156,252	Nashua	Yes	\$ 26.23	\$ 4,098	Pavement contribution to City of Nashua of \$20,832 included
\$ 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
\$ 20,566	\$ 20,566	\$ 17,400	Nashua	Yes	\$ 26.23	\$ 456	Includes final paving - complete
\$ 3,400	\$ 3,400	\$ -	Nashua	Yes	\$ 26.23	\$ -	Carry over costs from project completed in 2018, pay for with 0.1 DSRR
\$ 2,640	\$ 2,640	\$ -	Nashua	Yes	\$ 26.23	\$ -	Carry over costs from project completed in 2018, pay for with 0.1 DSRR
\$ 10,000	\$ 10,000	\$ -	Nashua	Yes	\$ 26.23	\$ -	Carry over costs from project completed in 2018, pay for with 0.1 DSRR
\$ 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
\$ 233	\$ 233	\$ 233	Nashua	Yes	\$ 26.23	\$ 6	Carry over costs from project completed in 2018, pay for with 0.1 DSRR
\$ 257	\$ 257	\$ 257	Nashua	Yes	\$ 26.23	\$ 7	Carry over costs from project completed in 2018, pay for with 0.1 DSRR
\$ 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
\$ 58,580	\$ 58,580	\$ 51,988	Nashua	Yes	\$ 26.23	\$ 1,364	Ferryalls was replaced last year to the limit of Canal St - complete this is phase 2 extending into Canal St - complete
\$ 94,800	\$ 94,800	\$ 79,258	Nashua	Yes	\$ 26.23	\$ 2,079	Includes final paving - complete
\$ 13,500	\$ 13,500	\$ 6,549	Nashua	Yes	\$ 26.23	\$ 172	\$6,240 of this will be recovered from Liberty Gas
\$ 1,400	\$ 1,400	\$ 486	Nashua	Yes	\$ 26.23	\$ 13	Completion of 2018 Workorder Project
\$ 233,250	\$ 233,250	\$ 174,754	Nashua	Yes	\$ 26.23	\$ 4,584	Includes base paving - Finished paving required in 2020 not included
\$ 24,500	\$ 24,500	\$ 1,402	Nashua	Yes	\$ 26.23	\$ 37	Final paving bill for this project.
\$ 24,850	\$ 19,000	\$ 18,316	Nashua	Yes	\$ 26.23	\$ 480	Estimated paving contribution - Originally anticipated for 2020
\$ 40,000	\$ 36,180	\$ 37,084	Nashua	Yes	\$ 26.23	\$ 973	Estimated paving contribution - Originally anticipated for 2020
\$ 11,000	\$ 9,500	\$ 8,906	Nashua	Yes	\$ 26.23	\$ 234	Estimated paving contribution - Originally anticipated for 2020
\$ 29,000	\$ 23,000	\$ 21,689	Nashua	Yes	\$ 26.23	\$ 569	Estimated paving contribution - Originally anticipated for 2020
\$ 22,000	\$ 12,000	\$ 10,600	Nashua	Yes	\$ 26.23	\$ 278	Estimated paving contribution - Originally anticipated for 2020
\$ 26,000	\$ 15,892	\$ 16,762	Nashua	Yes	\$ 26.23	\$ 440	Estimated paving contribution - Originally anticipated for 2020
\$ 6,600,000	\$ 6,300,000	\$ 6,299,764	Merrimack	Yes	\$ 28.86	\$ 181,811	Bids higher than Engineers estimate due to tight contractor market and changes in final permit requirements that impacted initial design that engineers estimate was based on. \$300,000 of clean up work to be carried into 2020.
\$ 20,000	\$ 20,000	\$ 7,961	Various	No	\$ 27.02	\$ -	
\$ 20,000	\$ 20,000	\$ -	Various	No	\$ 27.02	\$ -	
\$ -	\$ -	\$ -	Various	Yes	\$ 27.02	\$ -	
\$ 45,000	\$ 45,000	\$ 27,804	Various	No	\$ 27.02	\$ -	Study to select replacement of Synergyn CMMS system which goes unsupported at the end of 2020.
\$ 85,000	\$ 85,000	\$ 90,434	Various	Yes	\$ 27.02	\$ 2,444	Projected based on \$75,935 paid out through 9/30.
\$ 23,988	\$ 23,988	\$ 23,998	Merrimack	No	\$ 28.86	\$ -	Vehicle in accident. Vehicle totalled and needed to be replaced.
\$ 25,000	\$ 25,000	\$ -	Merrimack	No	\$ 28.86	\$ -	Design Engineering Work for 2020 Dam rehabilitation
\$ 35,000	\$ 35,000	\$ -	Merrimack	No	\$ 28.86	\$ -	Letter of deficiency issued by the NHDES Dam Bureau regarding inadequate spillway capacity for this dam
\$ 40,000	\$ 40,000	\$ -	Merrimack	No	\$ 28.86	\$ -	Letter of deficiency issued by the NHDES Dam Bureau regarding inadequate spillway capacity for this dam

Estimated Project Cost as of 9/30/2019	Estimated Project Cost as of 11/30/2019	Final Project cost as of 12/31/2019	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense (Based on Qrtly Update)	Explanation for Change/Addition/Deletion since Petition Filing
\$ 35,000	\$ 35,000	\$ -	Merrimack	No	\$ 28.86	\$ -	Letter of deficiency issued by the NHDES Dam Bureau regarding inadequate spillway capacity for this dam
\$ 15,445	\$ 16,995	\$ 11,260	Various	Yes	\$ 27.02	\$ 304	4 pumps replaced through 11/30. Do not project any additional rebuilds through EOY
\$ 24,555	\$ 24,555	\$ 24,554	Nashua	Yes	\$ 26.23	\$ 644	Pump Bearings failed on Intermediate Booster Pump at WTP
\$ 15,000	\$ 11,000	\$ 16,995	Various	Yes	\$ 27.02	\$ 459	4 replaced through 11/30. Projecting 1 more by year end.
\$ 10,000	\$ 2,000	\$ -	Various	Yes	\$ 27.02	\$ -	No replacements to date in 2019, assume 1 replacement before EOY
\$ 150,000	\$ 67,500	\$ -	Various	Yes	\$ 27.02	\$ -	Scope of project was more clearly defined resulting in a reduction in cost.
\$ 4,000	\$ 4,000	\$ 11,112	Plaistow	Yes	\$ 25.93	\$ 288	Project scope was limited to MTM media replacement
\$ 10,700	\$ -	\$ -	Various	Yes	\$ 27.02	\$ -	Reduced by replacement of failed Fire Alarm CPU
\$ 9,300	\$ 9,300	\$ 9,251	Nashua	Yes	\$ 26.23	\$ 243	Fire Alarm CPU failed due to electrical surge.
	\$ 4,050	\$ 4,050	Nashua	Yes	\$ 26.23	\$ 106	Failed heater. Part of run rate Misc Structural Improvements
\$ -	\$ -	\$ -	Various	Yes	\$ 27.02	\$ -	Reduced by Miscellaneous Equipment purchased to date. No additional purchases projected by EOY
\$ 4,568	\$ 4,568	\$ 4,568	Nashua	Yes	\$ 26.23	\$ 120	Routine Miscellaneous Equipment purchase
\$ 3,004	\$ 3,004	\$ 3,004	Nashua	Yes	\$ 26.23	\$ 79	Routine Miscellaneous Equipment purchase
\$ 4,449	\$ 4,449	\$ 4,449	Nashua	Yes	\$ 26.23	\$ 117	Routine Miscellaneous Equipment purchase
\$ 27,800	\$ 27,800	\$ -	Various	Yes	\$ 27.02	\$ -	
\$ 2,200	\$ 2,200	\$ 2,118	Various	Yes	\$ 27.02	\$ 57	
\$ 10,000	\$ -	\$ -	Nashua	Yes	\$ 26.23	\$ -	No additional WTP Structural/HVAC projected by EOY
\$ -	\$ 8,328	\$ 8,328	Nashua	Yes	\$ 26.23	\$ 218	WTP Structural/HVAC project
\$ 18,500	\$ 18,500	\$ -	Nashua	Yes	\$ 26.23	\$ -	Reduced by purchase of HACH DR 900 below
\$ 1,500	\$ 1,500	\$ 1,435	Nashua	Yes	\$ 26.23	\$ 38	
\$ 3,256	\$ 3,256	\$ -	Various	Yes	\$ 27.02	\$ -	
\$ 6,744	\$ 6,744	\$ 6,744	Various	Yes	\$ 27.02	\$ 182	
\$ -	\$ 32,400	\$ 28,897	Nashua	No	\$ 26.23	\$ -	unbudgeted. Made necessary due to the premature retirement of 2 dept. vehicles.
\$ -	\$ 1,713	\$ 1,713	Nashua	Yes	\$ 26.23	\$ 45	pump rebuild was determined to be best course.
\$ 975,000	\$ 975,000	\$ 990,662	Nashua	Yes	\$ 26.23	\$ 25,985	New PFAS regulations require that all filter media be changed out to ensure 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.
\$ -	\$ -	\$ -	Nashua	Yes	\$ 26.23	\$ -	Pump delivery time is about 30 weeks which delays this project until 2020
\$ 15,995	\$ 15,995	\$ 15,995	Nashua	Yes	\$ 26.23	\$ 420	
\$ 75,000	\$ -	\$ -	Nashua	Yes	\$ 26.23	\$ -	Project deferred until 2020
\$ 25,000	\$ 25,000	\$ -	Merrimack	No	\$ 28.86	\$ -	Study - Pay for with 0.1 DSRR
\$ 20,000	\$ 20,000	\$ 1,310	Merrimack	No	\$ 28.86	\$ -	Study - Pay for with 0.1 DSRR
\$ 20,000	\$ 20,000		Merrimack	No	\$ 28.86	\$ -	Study - Pay for with 0.1 DSRR
\$ 8,000	\$ 8,001	\$ 7,978	Nashua	Yes	\$ 26.23	\$ 209	
\$ 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
\$ 24,600	\$ 24,600	\$ 39,520	Merrimack	No	\$ 28.86	\$ -	Study - Pay for with 0.1 DSRR
\$ 12,000	\$ 12,000	\$ 11,000	Merrimack	No	\$ 28.86	\$ -	Study - Pay for with 0.1 DSRR
\$ 4,200	\$ 4,200	\$ 9,545	Merrimack	No	\$ 28.86	\$ -	Study - Pay for with 0.1 DSRR
\$ 36,000	\$ 24,985	\$ 22,896	Nashua	Yes	\$ 26.23	\$ 601	
\$ 35,000	\$ -	\$ -	Merrimack	No	\$ 28.86	\$ -	No upgrades/enhancements will be completed in 2019
\$ -	\$ -	\$ -	Merrimack	No	\$ 28.86	\$ -	Monies moved to Vecam Backup Project

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\$ -	\$ -	\$ -	Merrimack	No	\$ 28.86	\$ -	
\$ -	\$ -	\$ -	Merrimack	No	\$ 28.86	\$ -	
\$ 1,270	\$ 1,270	\$ 1,270	Merrimack	No	\$ 28.86	\$ -	
\$ -	\$ -	\$ -	Merrimack	No	\$ 28.86	\$ -	
\$ 16,153	\$ 16,153		Merrimack	No	\$ 28.86	\$ -	
\$ 1,397	\$ 1,397	\$ 1,248	Merrimack	No	\$ 28.86	\$ -	
\$ 2,450	\$ 2,450	\$ 2,298	Merrimack	No	\$ 28.86	\$ -	
\$ 12,000	\$ 12,000	\$ -	Merrimack	No	\$ 28.86	\$ -	
\$ 8,000	\$ 8,000	\$ -	Merrimack	No	\$ 28.86	\$ -	
\$ -	\$ -	\$ -	Merrimack	No	\$ 28.86	\$ -	Deferred
\$ 22,828	\$ 22,828	\$ 22,828	Merrimack	No	\$ 28.86	\$ -	
\$ 7,200	\$ 7,200	\$ 7,305	Merrimack	No	\$ 28.86	\$ -	Previously licensed software was not suitable for Virtual environment
\$ 25,500	\$ 25,500	\$ 15,530	Merrimack	No	\$ 28.86	\$ -	
\$ -	\$ 2,800	\$ 1,797	Merrimack	No	\$ 28.86	\$ -	Replace failed desktop computer
\$ -	\$ 50,000	\$ 36,355	Nashua	No	\$ 26.23	\$ -	Engineering for tank to be constructed in 2020.
\$ 148,006	\$ 174,418	\$ 33,586	Merrimack	No	\$ 28.86	\$ -	Retainage paid in 2019 for 2018 QCPAC projects.
\$ -	\$ -	\$ 230,645	Various	No		\$ -	
\$ 13,804	\$ 13,804	\$ 13,804	Merrimack	No	\$ 28.86	\$ -	
\$ -	\$ -	\$ 3,708	Merrimack	No	\$ 28.86	\$ -	
<b>\$ 16,890,831</b>	<b>\$ 16,543,576</b>	<b>\$ 15,803,137</b>	<b>Projected Property Tax Expense associated with</b>			<b>\$ 412,020</b>	

\$ 16,704,314	\$ 16,110,199	\$ 15,395,402
\$ 8,819,800	\$ 8,812,000	\$ 8,240,554
<b>\$ 7,884,514</b>	<b>\$ 7,298,199</b>	<b>\$ 7,154,849</b>

Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Approved Budgeted Amount	QCPAC Eligible?	Community	Taxable	Tax Rate (t)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since 2/9/2020
New Services (10)	Single Family, Owner Build, New Homes				Future Financing Petition	\$ 50,000	Yes	Various	Yes	\$ 27.02	\$ 1,351	
Renewed Services (20)	Replacement of failed services				Future Financing Petition	\$ 110,000	Yes	Various	Yes	\$ 27.02	\$ 2,972	
Hydrants (10)	Replacement of non functional hydrants (Run rate) (8 YTD)				Future Financing Petition	\$ 60,000	Yes	Various	Yes	\$ 27.02	\$ 1,621	
Gates (10)	Replacement of Failed Gate Valves				Future Financing Petition	\$ 40,000	Yes	Various	Yes	\$ 27.02	\$ 1,081	
Radios (500)	Replacement of out of Warrantee Failed Radios (280), New Meters for new customers (280)				Future Financing Petition	\$ 58,000	Yes	Various	Yes	\$ 27.02	\$ 1,567	
Meters (Growth) 5/8"-2" - Core & CWS (280)	Meters (Growth) 5/8"-2" - Core & CWS (280)				Future Financing Petition	\$ 29,000	Yes	Various	Yes	\$ 27.02	\$ 784	
Meters 5/8"-2" - Replace failed meters - Core & CWS (200)	Meters 5/8"-2" - Replace failed meters - Core & CWS (200)				Future Financing Petition	\$ 21,000	Yes	Various	Yes	\$ 27.02	\$ 567	
Replacement Utility Truck	Replacement for #47 - 2006 Ford F-350, 130K miles Does not pass inspection				Future Financing Petition	\$ 70,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Replacement Utility Truck	Replacement for #76 - 2008 Ford F-350, 150K miles, Does not pass inspection				Future Financing Petition	\$ 70,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Replacement Utility Truck	Replacement for #4 - 2010 Ford F-350, 140K miles Does not pass inspection				Future Financing Petition	\$ 70,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Valve Turner & Vac Truck	Replacement for #60 - 14 Year Vac Trailer w/excessive rot, will not pass inspection				Future Financing Petition	\$ 160,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Foreman's Truck	Replacement for #59 - 2011 International, 120K Miles, High Hours, Electrical, body issues.				Future Financing Petition	\$ 140,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Locker Room Benches @ Distribution Facility	Permanent Benches for Male & Female locker rooms				Future Financing Petition	\$ 7,500	Yes	Merrimack	Yes	\$ 28.86	\$ 216	
Locker Room Deep Wash Sinks	Deep stainless wash sinks to replace existing sinks in male & female locker rooms				Future Financing Petition	\$ 7,500	Yes	Merrimack	Yes	\$ 28.86	\$ 216	
Office Space for Const & Maint Supervisor	Permanent office space for Construction & Maintenance Supervisor				Future Financing Petition	\$ 12,000	Yes	Merrimack	Yes	\$ 28.86	\$ 346	
Landscape Improvements	Repair Hill Sides @ 16 DWI1 and overseed with erosion mix				Future Financing Petition	\$ 12,000	Yes	Merrimack	Yes	\$ 28.86	\$ 346	
Automatic Entrance Gate @ Distribution Facility	Replace manual gate @ Distribution facility with automatic gate		0.1 DSRR			\$ 10,000	No	Merrimack	Yes	\$ 28.86	\$ 289	
West Hollis Street Check Valve Pit	Install at the int of W. Hollis St and Panther Dr.				Future Financing Petition	\$ 88,000	Yes	Merrimack	Yes	\$ 28.86	\$ 2,540	
NWS Improvements - Manchester Street	Install 1700 LF of 24 inch DI and new Fencing.		DWG/GTF			\$ 125,000	Yes	Nashua	Yes	\$ 26.23	\$ 3,279	
NWS Improvements - Deerwood Dr. Northwest Blvd Loop	Add 3400 LF of 20 inch HDPE including RR pipe jacking		DWG/GTF			\$ 40,000	Yes	Nashua	Yes	\$ 26.23	\$ 1,049	
NWS Improvements Veteran's Rd/Route 101A Loop	Add 2200 LF of 12 inch DIPCL to close two loop major dead ends		DWG/GTF			\$ 125,000	Yes	Nashua	Yes	\$ 26.23	\$ 3,279	
NWS Improvements Tinker Road Paving and restoration	NWS Improvements Tinker Road Paving and restoration		DWG/GTF			\$ 125,000	Yes	Nashua	Yes	\$ 26.23	\$ 3,279	
Simon & Will Street - Paving	Simon & Will Street - Paving				Future Financing Petition	\$ 30,000	Yes	Nashua	Yes	\$ 26.23	\$ 787	
Garden Street - Final Paving	Garden Street - Final Paving				Future Financing Petition	\$ 18,000	Yes	Nashua	Yes	\$ 26.23	\$ 472	
City of Nashua Sewer - Lake Street	Replace 2950 LF of 6 inch CI with 12 inch DIPCL (Paving)				Future Financing Petition	\$ 30,000	Yes	Nashua	Yes	\$ 26.23	\$ 787	
Merrimack River Intake	Year Round Raw Water Intake from Merrimack River				Future Financing Petition	\$ 162,000	Yes	Merrimack	Yes	\$ 28.86	\$ 4,675	
Merrimack River Intake	Year Round Raw Water Intake from Merrimack River		DWG/GTF			\$ 200,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Replace Kessler Farm booster pump package	Replace 31 year old package booster station pumps and piping.				Future Financing Petition	\$ 75,000	Yes	Nashua	No	\$ 26.23	\$ -	
Risk and Resilience Assessment and Emergency Response Plan	Complete Risk and Resilience Assessment and Emergency Response Plan as required by the USEPA				Future Financing Petition	\$ 120,000	Yes	Various	Yes	\$ 27.02	\$ 3,242	
Asset Management - GIS QA/QC ahead of NEW CMMS	GIS QA/QC Ahead of NEW CMMS				Future Financing Petition	\$ 40,000	Yes	Merrimack	Yes	\$ 28.86	\$ 1,154	
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	\$ 380,000	Yes	Merrimack	Yes	\$ 28.86	\$ 10,967	
Hamilton Street	Replace 410 LF of 6 inch CI with 4 inch DIPCL				Future Financing Petition	\$ 87,000	Yes	Nashua	Yes	\$ 26.23	\$ 2,282	
Burrill Street	Replace 425 LF of 4 inch CI with 8 inch DIPCL				Future Financing Petition	\$ 141,000	Yes	Nashua	Yes	\$ 26.23	\$ 3,698	
Burrill Street	Replace 125 LF of 4 inch CI with 4 inch DIPCL				Future Financing Petition	\$ 38,000	Yes	Nashua	Yes	\$ 26.23	\$ 997	
Verona Street	Replace 675 LF of 6 inch CI with 8 inch DIPCL				Future Financing Petition	\$ 226,000	Yes	Nashua	Yes	\$ 26.23	\$ 5,928	
Sansona Ave	Replace 230 LF of 6 inch CI with 8 inch DIPCL				Future Financing Petition	\$ 83,000	Yes	Nashua	Yes	\$ 26.23	\$ 2,177	
Amherst Dodge Rd Watermain Abandonment	Abandon Approx. 700 LF of AC Main Transfer 2 services & 1 Hyd to parallel 8" DIPCL water main.				Future Financing Petition	\$ 20,000	Yes	Amherst	No	\$ 28.85	\$ -	
Kessler Farm Tank Replacement	Replaced 4 MG painted steel water tank with 4 MG prestressed, precast water tank.				Future Financing Petition	\$ 3,388,000	Yes	Nashua	Yes	\$ 26.23	\$ 88,867	
Replace Engineering Pickup	Replace Pickup with > 150,000 miles				Future Financing Petition	\$ 35,000	Yes	Merrimack	Yes	\$ 28.86	\$ 1,010	
Replace Engineering SUV #34	Replace SUV with > 150,000 miles				Future Financing Petition	\$ 30,000	Yes	Merrimack	Yes	\$ 28.86	\$ 866	
Investment in developer installed services at 1x annual revenue	Per tariff				Future Financing Petition	\$ 60,000	Yes	Various	Yes	\$ 27.02	\$ 1,621	
Asset Management Trimble R2 Units	Add two new GPS units for additional staff				Future Financing Petition	\$ 24,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Merrimack River Pumping Station	Add third 350 horsepower pump and motor with variable frequency drive.				Future Financing Petition	\$ 200,000	Yes	Merrimack	Yes	\$ 28.86	\$ 7,504	
Upgrade SCADA historian software, new hardware	Upgrade SCADA historian software, new hardware				Future Financing Petition	\$ 65,000	Yes	Nashua	Yes	\$ 26.23	\$ 1,705	
Bowers Dam LOD response engineering	Bowers Dam LOD response engineering		0.1 DSRR			\$ 10,000	No	Nashua/Merrimack	No	\$ 27.55	\$ -	
Harris LOD response engineering	Harris LOD response engineering		0.1 DSRR			\$ 20,000	No	Nashua/Merrimack	No	\$ 27.55	\$ -	
Supply Pond LOD response engineering	Supply Pond LOD response engineering		0.1 DSRR			\$ 32,000	No	Nashua/Merrimack	No	\$ 27.55	\$ -	
Rebuild Pump 1, Northwest, Nashua	final costs for reinstallation and alignment				Future Financing Petition	\$ 5,000	Yes	Nashua	Yes	\$ 26.23	\$ 131	
New Vehicle for WS electrician	final costs for fit up of new truck purchased in 2019				Future Financing Petition	\$ 3,000	Yes	Nashua	No	\$ 26.23	\$ -	
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild				Future Financing Petition	\$ 40,000	Yes	Various	Yes	\$ 27.02	\$ 1,081	
Well Pump replacements	Well Pump replacements				Future Financing Petition	\$ 15,000	Yes	Various	Yes	\$ 27.02	\$ 405	
Chemical Feed pump replacements	Chemical Feed pump replacements				Future Financing Petition	\$ 10,000	Yes	Various	Yes	\$ 27.02	\$ 270	
Harris Dam raise earthen embankment, raise dike wall	Harris Dam raise earthen embankment, raise dike wall				Future Financing Petition	\$ 965,000	Yes	Nashua/Merrimack	Yes	\$ 27.55	\$ 26,586	
Misc. Structural Improvements	Misc. Structural Improvements				Future Financing Petition	\$ 20,000	Yes	Various	Yes	\$ 27.02	\$ 540	
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	\$ 30,000	Yes	Various	Yes	\$ 27.02	\$ 811	
Rebuild NWS booster pump #2	Rebuild NWS booster pump #2				Future Financing Petition	\$ 40,000	Yes	Nashua	Yes	\$ 26.23	\$ 1,049	
WTP Structural/HVAC	WTP Structural/HVAC				Future Financing Petition	\$ 10,000	Yes	Nashua	Yes	\$ 26.23	\$ 262	
Purchase new lab equipment	Purchase new lab equipment				Future Financing Petition	\$ 20,000	Yes	Nashua	Yes	\$ 26.23	\$ 525	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects				Future Financing Petition	\$ 10,000	Yes	Various	Yes	\$ 27.02	\$ 270	
replace Vehicle 200	replace Vehicle 200				Future Financing Petition	\$ 40,000	Yes	Nashua	No	\$ 26.23	\$ -	
Replace Vehicle 201	Replace Vehicle 201				Future Financing Petition	\$ 35,000	Yes	Nashua	No	\$ 26.23	\$ -	
Replace Vehicle 63	Replace Vehicle 63				Future Financing Petition	\$ 40,000	Yes	Nashua	No	\$ 26.23	\$ -	
Repair/Replace Soffit and Fascia, Boat House Bldg.	Repair/Replace Soffit and Fascia, Boat House Bldg.				Future Financing Petition	\$ 30,000	Yes	Nashua	Yes	\$ 26.23	\$ 787	
Carbon media changeout-filters 5 & 6	Carbon media changeout-filters 5 & 6				Future Financing Petition	\$ 500,000	Yes	Nashua	Yes	\$ 26.23	\$ 13,115	
Install new Day Fuel Tank, Controller and related equip., FWPS Generator	Install new Day Fuel Tank, Controller and related equip., FWPS Generator				Future Financing Petition	\$ 75,000	Yes	Nashua	Yes	\$ 26.23	\$ 1,967	
SCADA PLC Replacements	SCADA PLC Replacements				Future Financing Petition	\$ 75,000	Yes	Nashua	Yes	\$ 26.23	\$ 1,967	
Replace 2 Hach Turbidimeters and associated control module	Replace 2 Hach Turbidimeters and associated control module				Future Financing Petition	\$ 10,000	Yes	Nashua	Yes	\$ 26.23	\$ 262	
Munis FER Enhancements	Munis FER Enhancements				Future Financing Petition	\$ 35,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Misc Hardware	Misc Hardware				Future Financing Petition	\$ 20,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Misc Software	Misc Software				Future Financing Petition	\$ 12,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Website upgrades	Website upgrades				Future Financing Petition	\$ 8,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Salmon Replacement at WTP	The server at WTP is over 7 years old and should be replaced. I am recommending to replace the server with a VM host for ease of use and reliability				Future Financing Petition	\$ 15,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Additional UPS for Distribution Data Center	We are starting to leverage this datacenter more with more equipment. The current UPS is over subscribed and we need to protect everything in there.				Future Financing Petition	\$ 1,600	Yes	Merrimack	No	\$ 28.86	\$ -	
Meraki Wireless AP's for WTP	The current AP's at WTP are tied into the wireless at HQ. We will be changing to the Meraki solution for HQ so these will need to be replaced.				Future Financing Petition	\$ 3,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Storage Replacement for PS6110 Array	Nimble add-on shelf - 33tb usable				Future Financing Petition	\$ 57,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Veeam Backup of O365	Backup documents stored in the cloud within Office 365.				Future Financing Petition	\$ 2,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Client Remote Control Software	3 licenses				Future Financing Petition	\$ 1,500	Yes	Merrimack	No	\$ 28.86	\$ -	
CMMS Enhancement project (Estimate)	Replace Senergen/WAM with newer more cost effective/improved functionality system				Future Financing Petition	\$ 600,000	Yes	Nashua	Yes	\$ 26.23	\$ 15,738	
New Building - Cable Management in Server Room	Rack Ladder/Patch Panels/Cable Management/KVM		0.1 DSRR			\$ 6,700	No	Nashua	Yes	\$ 26.23	\$ 176	
New Building - Facility Secure Access/Surveillance	Doors and elevator security/Cameras		0.1 DSRR			\$ 78,300	No	Nashua	Yes	\$ 26.23	\$ 2,054	
New Building - Audio/Visual	Boardroom and Conference Rooms		0.1 DSRR			\$ 11,500	No	Nashua	Yes	\$ 26.23	\$ 302	
New Building - Server Room Networking	Routers/Switches/Racks/Patch Panels		0.1 DSRR			\$ 19,000	No	Nashua	Yes	\$ 26.23	\$ 498	
New Building - Wireless	Wireless Access Points for Main Office		0.1 DSRR			\$ 13,000	No	Nashua	Yes	\$ 26.23	\$ 341	
New Building - AMR Equipment Room	UPS/Rack/Patch Panel/Switch/Transceiver		0.1 DSRR			\$ 6,800	No	Nashua	Yes	\$ 26.23	\$ 176	

Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Approved Budgeted Amount	QCPAC Eligible?	Community	Taxable	Tax Rate (t)	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		0.1 DSRR			\$ 70,000	No	Nashua	Yes	\$ 26.23	\$ 1,836	
New Building - Cubicles (per 12/5 DW email)	Cubicles for new headquarters		0.1 DSRR			\$ 65,000	No	Nashua	Yes	\$ 26.23	\$ 1,705	
New Building - Appliances (per 1/2/20 conversation with LG)	Appliances (Refridgerator, dishwasher, microwaves, etc)		0.1 DSRR			\$ 7,000	No	Nashua	Yes	\$ 26.23	\$ 184	
New Building - relocation of Genset to New Office location	New Building - relocation of Genset to New Office location		0.1 DSRR			\$ 60,000	No	Nashua	Yes	\$ 26.23	\$ 1,574	
New Building - Office Furniture	New Building - Office Furniture		0.1 DSRR			\$ 10,000	No	Nashua	Yes	\$ 26.23	\$ 262	
JAMF - IOS mobile Management	Software configuration support for JAMF product				Future Financing Petition	\$ 6,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Document Management	Software to allow for document tracking and flow management (Accounting)				Future Financing Petition	\$ 8,000	Yes	Merrimack	No	\$ 28.86	\$ -	
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				Future Financing Petition	\$ 45,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Pennichuck Water Works Projected 2020 Total Capital Expenditure Budget -						\$ 10,175,700						
									QCPAC projects -	\$	238,872	

				Projected P&I	
				Total Projected PWW QCPAC Capex for 2020 -	\$ 9,756,400
Total Projected PWW QCPAC Capex for 2020 funded with Drinking Water and Groundwater Trust Fund -				\$ 9,141,400	\$ 594,661
Total Projected PWW QCPAC Capex for 2020 funded with Bonds -				\$ 615,000	\$ 32,938
				Project Annual P&I on 2020 QCPAC eligible Projects -	\$ 627,599
Estimated Bond Terms (Bonds to be sold in April 2021) -				30	Years @ 5.0%
DWGIT' Terms -				30	Years @ 3.38%

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	Approved Budgeted Amount	QCPAC Eligible?	Community	Taxable	Tax Rate (I)	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)	Begin 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	
2020 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	\$ -	
Proteus Meter Upgrade	Proteus Meter Upgrade			0.1 DSRR		\$ 22,000	Yes	Merrimack	No	\$ 28.86	\$ -	
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		\$ 423,000	Yes	Nashua	Yes	\$ 26.63	\$ 11,264	
Hamilton Street	Replace 410 LF of 6 inch CI with 4 inch DIPCL			Future Financing Petition		\$ 97,000	Yes	Nashua	Yes	\$ 26.63	\$ 2,583	
Burnett Street	Replace 425 LF of 4 inch CI with 8 inch DIPCL			Future Financing Petition		\$ 137,000	Yes	Nashua	Yes	\$ 26.63	\$ 4,181	
Burnett Street	Replace 125 LF of 4 inch CI with 4 inch DIPCL			Future Financing Petition		\$ 43,000	Yes	Nashua	Yes	\$ 26.63	\$ 1,145	
Verona Street	Replace 675 LF of 6 inch CI with 8 inch DIPCL			Future Financing Petition		\$ 252,000	Yes	Nashua	Yes	\$ 26.63	\$ 6,711	
Sarasota Ave	Replace 250 LF of 6 inch CI with 8 inch DIPCL			Future Financing Petition		\$ 93,000	Yes	Nashua	Yes	\$ 26.63	\$ 2,477	
Linwood Street	Replace 960 LF of 6 inch CI with 8 inch DIPCL			Future Financing Petition		\$ 316,000	Yes	Nashua	Yes	\$ 26.63	\$ 8,415	
Balcom Street	Replace 1240 LF 6 inch CI with 1240 LF 8 inch DIPCL			Future Financing Petition		\$ 409,000	Yes	Nashua	Yes	\$ 26.63	\$ 10,892	
Euclid Avenue	Replace 425 LF 6 inch CI with 425LF 8 inch DIPCL			Future Financing Petition		\$ 140,000	Yes	Nashua	Yes	\$ 26.63	\$ 3,728	
Fairview Street	Replace 800 LF 6 inch CI with 800 LF 8 inch DIPCL			Future Financing Petition		\$ 264,000	Yes	Nashua	Yes	\$ 26.63	\$ 7,030	
Sargent Street	Replace 1900 LF 6 inch CI with 1900 LF 16 inch DIPCL			Future Financing Petition		\$ 627,000	Yes	Nashua	Yes	\$ 26.63	\$ 16,697	
Courtland Street	Replace 1170 LF 4 inch CI with 1170 LF 16 inch DIPCL			Future Financing Petition		\$ 386,000	Yes	Nashua	Yes	\$ 26.63	\$ 10,279	
Alld Street	Replace 1860 LF of 6 & 8 inch CI with 12 inch DIPCL			Future Financing Petition		\$ 967,000	Yes	Nashua	Yes	\$ 26.63	\$ 25,751	
Lawdale Avenue	Replace 1085 LF of 6 inch CI with 12 inch DIPCL			Future Financing Petition		\$ 547,000	Yes	Nashua	Yes	\$ 26.63	\$ 14,567	
Temple St (south to gorman)	Replace 900 LF of 8 inch CI with 12 inch DIPCL			Future Financing Petition		\$ 458,000	Yes	Nashua	Yes	\$ 26.63	\$ 12,197	
School Street ( High to W. Pearl Alleyway)	Replace 400 LF of 4 inch CI with 8 inch DIPCL			Future Financing Petition		\$ 151,000	Yes	Nashua	Yes	\$ 26.63	\$ 4,021	
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		\$ 1,500,000	Yes	Nashua	Yes	\$ 26.63	\$ 39,945	
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild			Future Financing Petition		\$ 40,000	Yes	Various	Yes	\$ 27.02	\$ 1,081	
Well Pump replacements	Well Pump replacements			Future Financing Petition		\$ 15,000	Yes	Various	Yes	\$ 27.02	\$ 405	
Chemical Feed pump replacements	Chemical Feed pump replacements			Future Financing Petition		\$ 10,000	Yes	Various	Yes	\$ 27.02	\$ 270	
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		\$ 15,000	Yes	Various	Yes	\$ 27.02	\$ 405	
Misc. Structural Improvements	Misc. Structural Improvements			Future Financing Petition		\$ 20,000	Yes	Various	Yes	\$ 27.02	\$ 540	
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased			Future Financing Petition		\$ 20,000	Yes	Various	Yes	\$ 27.02	\$ 540	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical			Future Financing Petition		\$ 30,000	Yes	Various	Yes	\$ 27.02	\$ 811	
Well Rehabilitation	Well Rehabilitation			Future Financing Petition		\$ 50,000	Yes	Various	Yes	\$ 27.02	\$ 1,351	
WTP Structural/HVAC	WTP Structural/HVAC			Future Financing Petition		\$ 10,000	Yes	Nashua	Yes	\$ 26.63	\$ 266	
Purchase new lab equipment	Purchase new lab equipment			Future Financing Petition		\$ 20,000	Yes	Nashua	Yes	\$ 26.63	\$ 533	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects			Future Financing Petition		\$ 10,000	Yes	Various	Yes	\$ 27.02	\$ 270	
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	\$ -	
Bowers 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 DSRR		\$ 400,000	Yes	Nashua	No	\$ 26.63	\$ -	
Pennichuck Water Works Projected 2021 Total Capital Expenditure Budget -						\$ 11,378,000		Projected Property Tax Expense associated with		\$	280,947	

Total Projected PWW QCPAC Capex for 2021 (less 0.1 DSRR)- \$ 10,956,000

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	Approved Budgeted Amount	QCPAC Eligible?	Community	Taxable	Tax Rate (t)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since 2/9/2022
2022 New Services (10)	Single Family, Owner Build, New Homes				Future Financing Petition	\$ 50,000	Yes	Various	Yes	\$ 27.02	\$ 1,351	
2022 Renewed Services (20)	Replacement of Failed Services				Future Financing Petition	\$ 110,000	Yes	Various	Yes	\$ 27.02	\$ 2,972	
2022 Hydrants (10)	Replacement of non functional hydrants				Future Financing Petition	\$ 60,000	Yes	Various	Yes	\$ 27.02	\$ 1,621	
2022 Gates (10)	Replacement of Failed Gate Valves				Future Financing Petition	\$ 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)				Future Financing Petition	\$ 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)				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	\$ -	
Protectus Meter Upgrade	Protectus Meter Upgrade				0.1 DSRR	\$ 22,000	Yes	Nashua	Yes	\$ 26.63	\$ 586	
Linwood Street	Replace 960 LF of 6 inch CI with 8 inch DIPCL				Future Financing Petition	\$ 316,000	Yes	Nashua	Yes	\$ 26.63	\$ 8,415	
Balcon Street	Replace 1240 LF 6 inch CI with 1240 LF 8 inch DIPCL				Future Financing Petition	\$ 409,000	Yes	Nashua	Yes	\$ 26.63	\$ 10,892	
Euclid Avenue	Replace 425 LF 6 inch CI with 425LF 8 inch DIPCL				Future Financing Petition	\$ 140,000	Yes	Nashua	Yes	\$ 26.63	\$ 3,728	
Fairview Street	Replace 800 LF 6 inch CI with 800 LF 8 inch DIPCL				Future Financing Petition	\$ 264,000	Yes	Nashua	Yes	\$ 26.63	\$ 7,030	
Sargent Street	Replace 1900 LF 6 inch CI with 1900 LF 16 inch DIPCL				Future Financing Petition	\$ 627,000	Yes	Nashua	Yes	\$ 26.63	\$ 16,697	
Courtland Street	Replace 1170 LF 4 inch CI with 1170 LF 16 inch DIPCL				Future Financing Petition	\$ 386,000	Yes	Nashua	Yes	\$ 26.63	\$ 10,279	
Ald Street	Replace 1860 LF of 6 & 8 inch CI with 12 inch DIPCL				Future Financing Petition	\$ 967,000	Yes	Nashua	Yes	\$ 26.63	\$ 25,751	
Lawnside Avenue	Replace 1085 LF of 6 inch CI with 12 inch DIPCL				Future Financing Petition	\$ 547,000	Yes	Nashua	Yes	\$ 26.63	\$ 14,567	
Temple St (south to rorman)	Replace 900 LF of 8 inch CI with 12 inch DIPCL				Future Financing Petition	\$ 458,000	Yes	Nashua	Yes	\$ 26.63	\$ 12,197	
School Street (High to W. Pearl Alleyway)	Replace 400 LF of 4 inch CI with 8 inch DIPCL				Future Financing Petition	\$ 151,000	Yes	Nashua	Yes	\$ 26.63	\$ 4,021	
2020 Nashua City Sewer Projects	Residual Paving Contribution for work complete in 2020				Future Financing Petition	\$ 1,500,000	Yes	Nashua	Yes	\$ 26.63	\$ 39,945	
Benson Avenue	Replace 550 LF of 4 inch CI with 8 inch DIPCL				Future Financing Petition	\$ 210,000	Yes	Nashua	Yes	\$ 26.63	\$ 5,592	
Spaulding Street	Replace 950 LF of 6 inch CI with 8 inch DIPCL				Future Financing Petition	\$ 362,000	Yes	Nashua	Yes	\$ 26.63	\$ 9,640	
Alstead Avenue	Replace 240 LF of 4 inch CI with 4 inch DIPCL				Future Financing Petition	\$ 80,000	Yes	Nashua	Yes	\$ 26.63	\$ 2,130	
Spaulding Avenue	Replace 430 LF of 6, 2, & 1.25 inch CI with 4 inch DIPCL				Future Financing Petition	\$ 104,000	Yes	Nashua	Yes	\$ 26.63	\$ 2,770	
St Lazare Street	Replace 415 LF of 2 inch CI with 4 inch DIPCL				Future Financing Petition	\$ 100,000	Yes	Nashua	Yes	\$ 26.63	\$ 2,663	
Ingalls St (St Camille to end)	Replace 200 LF of 1.5 inch CI with 4 inch DIPCL				Future Financing Petition	\$ 48,000	Yes	Nashua	Yes	\$ 26.63	\$ 1,278	
Nye Avenues	Replace 400 LF of 2 & 1.5 inch CI with 4 inch DIPCL				Future Financing Petition	\$ 96,000	Yes	Nashua	Yes	\$ 26.63	\$ 2,556	
Copp Street	Replace 350 LF of 6 inch CI with 8 inch DIPCL				Future Financing Petition	\$ 136,000	Yes	Nashua	Yes	\$ 26.63	\$ 3,622	
Gray Avenue	Replace 360 LF of 6 inch CI with 6 inch DIPCL				Future Financing Petition	\$ 112,000	Yes	Nashua	Yes	\$ 26.63	\$ 2,983	
Coburn Woods (all side streets)	Replace 4400 LF of 2 inch PVC with 4 inch DIPCL				Future Financing Petition	\$ 1,320,000	Yes	Nashua	Yes	\$ 26.63	\$ 35,152	
City Sewer Projects	Replace CI with DICLP				Future Financing Petition	\$ 1,500,000	Yes	Nashua	Yes	\$ 26.63	\$ 39,945	
Sawyer Street	Replace 1600 LF of 6 inch CI with 12 inch DIPCL				Future Financing Petition	\$ 528,000	Yes	Nashua	Yes	\$ 26.63	\$ 14,061	
Woodward Street	Replace 360 LF 8 inch CI with 470 LF 8 inch DIPCL				Future Financing Petition	\$ 155,000	Yes	Nashua	Yes	\$ 26.63	\$ 4,128	
Blossom Street	Replace 2400 LF of 6 inch CI and 8 inch CI with 2400 LF of 8 inch DIPCL				Future Financing Petition	\$ 792,000	Yes	Nashua	Yes	\$ 26.63	\$ 21,091	
Investment in developer installed services	1x annual revenue per tariff				Future Financing Petition	\$ 60,000	Yes	Various	Yes	\$ 27.02	\$ 1,621	
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild				Future Financing Petition	\$ 40,000	Yes	Various	Yes	\$ 27.02	\$ 1,081	
Well Pump replacements	Well Pump replacements				Future Financing Petition	\$ 15,000	Yes	Various	Yes	\$ 27.02	\$ 405	
Chemical Feed pump replacements	Chemical Feed pump replacements				Future Financing Petition	\$ 10,000	Yes	Various	Yes	\$ 27.02	\$ 270	
Install/replace treatment systems in small CWS	Install/replace treatment systems in small CWS				Future Financing Petition	\$ 15,000	Yes	Various	Yes	\$ 27.02	\$ 405	
Misc. Structural Improvements	Misc. Structural Improvements				Future Financing Petition	\$ 20,000	Yes	Various	Yes	\$ 27.02	\$ 540	
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased				Future Financing Petition	\$ 20,000	Yes	Various	Yes	\$ 27.02	\$ 540	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical				Future Financing Petition	\$ 30,000	Yes	Various	Yes	\$ 27.02	\$ 811	
Well Rehabilitation	Well Rehabilitation				Future Financing Petition	\$ 50,000	Yes	Various	Yes	\$ 27.02	\$ 1,351	
WTP Structural/HVAC	WTP Structural/HVAC				Future Financing Petition	\$ 10,000	Yes	Nashua	Yes	\$ 26.63	\$ 266	
Purchase new lab equipment	Purchase new lab equipment				Future Financing Petition	\$ 20,000	Yes	Nashua	No	\$ 26.63	\$ -	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects				Future Financing Petition	\$ 10,000	Yes	Various	Yes	\$ 27.02	\$ 270	
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	Nashua	No	\$ 26.63	\$ -	
Replace Vehicle	Replace Vehicle				Future Financing Petition	\$ 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 2021 Total Capital Expenditure Budget -						\$ 13,245,000		Projected Property Tax Expense associated with		\$ 331,706		

Total Projected PWW QCPAC Capex for 2022 (less 0.1 DSRR)- \$ 12,823,000

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

## **Pennichuck Water Works Qualified Capital Project Adjustment Charge (QCPAC)**

Pennichuck Water Works, Inc.'s ("Pennichuck") primary goal is to provide exceptional service and delivery of quality water 24 hours a day, 365 days a year. We regularly evaluate the infrastructure of our systems to identify areas that require improvement. DW 16-806, Pennichuck's 2016/2017 rate proceeding before the New Hampshire Public Utilities Commission (PUC), granted approval for Pennichuck to implement a Qualified Capital Project Adjustment Charge (QCPAC). The QCPAC allows Pennichuck to bill a monthly surcharge based on a percentage of your monthly bill. The surcharge will recover the costs of Pennichuck's ongoing investment in Qualified Capital Projects (QCPs) necessary to provide service to its customers, in compliance with State and Federal regulations, and to maintain its overall water supply and treatment infrastructure in a proactive and responsive manner.

The QCPAC surcharge allows Pennichuck to recover 1.10 times the annual principal and interest for the debt issued to pay for Pennichuck's Qualified Capital Projects (QCPs) expenditures made on plant and equipment placed into service during the prior year, plus the incremental property taxes associated with the value of those QCPs. As a part of this annual process, Pennichuck's QCP expenditures are audited by the PUC for prudence and confirmation of actual expenditure levels. Our customers benefit from the QCPAC program as it provides necessary funding for Pennichuck to maintain a consistent plan for the replacement of aging infrastructure, increasing the reliability and quality of service provided to customers. The QCPAC program will also result in smaller annual rate changes for customers by permitting Pennichuck to recover expenses associated with the replacement of aging infrastructure between rate cases.

On February 11, 2019, Pennichuck filed a petition for the approval of QCPAC surcharge for 2018 QCPs in DW 19-029. The NHPUC approved a 4.06% QCPAC surcharge on October 9, 2019 for bills issued to customers after April 4, 2019. For the average single-family residential bill of \$54.00 this surcharge will be \$2.29 per month. A one-time recoupment charge for bills issued to you between April 5, 2019 and November 9, 2019 will equal 2.37% times the aggregate of the amounts billed during those months.

The PUC order for DW 19-029 can be viewed at <http://www.puc.state.nh.us/Regulatory/Docketbk/2019/19-029.html>

As a part of this ongoing annual QCPAC process, Pennichuck will be filing a proposed three-year capital expenditure plan for 2020-2022 QCPs with the PUC on or before February 15, 2020. The proposed 2020-2022 QCPs submitted will update the plan already on file with the PUC, as it relates to Pennichuck's 2019 through 2021 proposed QCP expenditures, which was previously filed with the PUC in February of 2019 as part of its DW 19-029 QCPAC filing. In its February 2020 QCPAC filing, Pennichuck will be requesting the PUC to allow it to bill for a QCPAC surcharge of 4.47% over the rates being sought in DW19-084. The requested QCPAC surcharge will allow Pennichuck to recover the expenses associated with the QCPs placed in service during 2019. The 4.47% QCPAC surcharge, if approved, will apply to all customer classes and charges for service rendered after April 4, 2020 (and would be expected to go in effect near the end of 2020).

The requested QCPAC surcharge for 2019 QCPs, if approved in late 2020, would result in a QCPAC surcharge of about \$2.46 per month on the projected average single-family residential bill of \$55.02, for a total monthly bill of \$57.48.

If you have any questions or concerns related to Pennichuck's February 2020 QCPAC filing, please contact Pennichuck Customer Service at 800-553-5191 or the New Hampshire Public Utilities Commission at 800-852-3793.

## Attachment B - PWW Draft QCPAC Tariff Language

NHPUC NO. 6 Water  
PENNICHUCK WATER WORKS, INC.

Second Revised Page 52  
Superseding First Revised Page 52

### **QUALIFIED CAPITAL PROJECT ADJUSTMENT CHARGE**

In addition to the net charges provided for in this Tariff, a Qualified Capital Project Adjustment Charge ("QCPAC") surcharge of **x.xx%** will apply on a service rendered basis to all bills issued after April **x**, 2020.

#### I. General Description

Purpose: To recover the fixed costs (1.1 times principal and interest plus property taxes) of Commission-approved capital expenditures needed to operate maintain, insure regulatory compliance and to replace aging infrastructure which were completed and placed in service and to be recorded in the individual accounts, as noted below, between base rate cases. In addition, QCPAC provides the Company with the resources to complete essential asset replacement for infrastructure for the purpose of improving or protecting water quality and the reliability of service and to comply with evolving regulatory requirements imposed by the Safe Drinking Water Act.

QCPAC Eligible Property will encompass all Assets acquired by the Company as part of its annual capital improvements plan. Any regulatory asset that is recovered through an amortization expense is not eligible for QCPAC treatment.

#### Computation of the QCPAC

The charge will be effective on a service rendered basis for all bills issued after April **x**, 2020 and will be calculated to recover the fixed costs of eligible plant additions not previously reflected in the Company's rate base and placed in service between January 1, 2019 and December 31, 2019. Thereafter, the QCPAC will be updated on an annual basis to reflect eligible plant additions placed in service during the prior calendar year. Thus, changes in the QCPAC surcharge percentage will occur as follows:

<u>Effective Date of QCPAC Change</u>	<u>Date To Which QCPAC Eligible Plant Additions Reflected</u>
April <b>x</b> , 2020	December 31, 2019

The QCPAC will be applied on a service rendered basis to all bills rendered after April **x**, 2020. The QCPAC will be applied uniformly to all customer classes and charges with the exception that the QCPAC will not be applied against the monthly fixed contract charges associated with Anheuser-Busch, Town of Milford, Pennichuck East Utility and Town of Hudson special contracts.

Issued: \_\_\_\_\_  
Effective: \_\_\_\_\_

Issued by: \_\_\_\_\_  
Name: Donald L. Ware  
Title: Chief Operating Officer

The fixed costs of eligible infrastructure system improvement projects will consist of principal and interest payments and property taxes calculated as follows:

**Principal and Interest:** The principal and interest expense will be based on the annual principal and interest associated with the Bonds sold on April x, 2020 to pay for the QCPAC qualified projects that were completed and used and useful by December 31, 2019 in addition to the principal and interest associated with NHDES SRF and DWGTF loans. The Debt Instruments Principal and interest of the Bond will be multiplied by 1.1 to determine this portion of the QCPAC surcharge. The debt service revenues collected via the QCPAC surcharge shall be divided into two revenue streams with the revenues associated with 1.0 times the QCPAC principal and interest being part of the Company's Debt Service Revenue Requirement ("DSRR") and the revenues associated with 0.1 times the QCPAC principal and interest being part of the Company's 0.1 Debt Service Revenue Requirement ("0.1 DSRR").

**Property Taxes:** Incremental property taxes associated with the specific capital projects, as determined in the year of the granting of the QCPAC for such projects. The property tax expense will reflect an estimate of the tax expense for such projects based on the tax rate then in effect at the end of the year the QCP was used and useful times the final audited cost of the eligible QCP's.

**QCPAC Surcharge Amount:** The charge will be expressed as a percentage carried to two decimal places and will be applied to the effective portion of the total amount billed to each customer under the Company's otherwise applicable rates and charges.

The QCPAC Surcharge Amount approved by the Commission will be recouped back to the effective date of this tariff. The recoupment will be calculated based on actual charges incurred between the effective date of this tariff and the issued date of this tariff and shall be collected as a lump sum on the first bill rendered after the issuance date of this tariff.

Issued: \_\_\_\_\_  
Effective: \_\_\_\_\_

Issued by: \_\_\_\_\_  
Name: Donald L. Ware  
Title: Chief Operating Officer

Formula: The formula for calculation of the QCPAC surcharge is as follows:

$$\text{QCPAC} = \frac{1.1 \times (\text{AP} + \text{AI}) + \text{PT}}{\text{BRWR}}$$

Where:

AP = the annual principal payments associated with the debt instruments issued to fund QCPAC eligible projects that were used and useful before the end of the preceding year.

AI = the annual interest payments associated with the debt instruments issued to fund QCPAC eligible projects that were used and useful before the end of the preceding year the pre-tax return rate applicable to eligible infrastructure system improvement projects.

PT = annual property taxes related to eligible infrastructure system improvement projects.

BRWR= base retail water revenues as approved by the Commission in the Company's last rate proceeding, DW 19-084, or a subsequent docket.

Annual updates: Supporting data for each annual update will be filed with the Commission and the Office of Consumer Advocate no later than the end of the February 15th of each year.

Audits: The QCPAC will be subject to audit prior to the determination by the Commission.

New Base Rates: The QCPAC charge will be reset at zero as of the effective date of new base rates that provide for prospective recovery of the annual costs that had theretofore been recovered under the QCPAC. Thereafter, only the fixed costs of new eligible plant additions that have not previously been reflected in the Company's rate base would be reflected in the annual updates of the QCPAC.

Issued: \_\_\_\_\_  
Effective: \_\_\_\_\_

Issued by: \_\_\_\_\_  
Name: Donald L. Ware  
Title: Chief Operating Officer

Customer Notice: At least thirty (30) days in advance of a QCPAC filing, the Company will notify Customers of the filing by including an explanatory bill insert with the bills. Before sending, the Company will review the notice with the Commission's Consumer Services and External Affairs division. Customers shall also be notified of changes in the QCPAC by including appropriate information with the first bill they receive following any change.

Notice of Project Substitution: If, after the Company has received Commission approval for Year 1 QCPAC projects, because of changed circumstances or significant new information the Company plans to undertake projects in Year 1 that were not included on the list of approved QCPAC projects for that year or it has decided not to proceed with one or more projects that were included on the Commission-approved list, it shall notify the Commission and all parties to the proceeding in which the list of QCPAC projects was approved that the Company plans to add to or delete projects and the reason for the proposed changes, in accordance with the following schedule. The Company will submit updates for approved QCPAC projects for that year, based upon information known on a year-to-date basis, from the beginning of the year through the following effective dates, on the associated reporting dates:

**Effective Date**

June 30  
September 30  
November 30

**Reporting Date**

August 15  
November 15  
January 15

Issued: \_\_\_\_\_  
Effective: \_\_\_\_\_

Issued by: \_\_\_\_\_  
Name: Donald L. Ware  
Title: Chief Operating Officer



Home
My Water System
About Us
General Information for Our Water Customers
Water Restrictions & Conservation
Household Hazardous Waste Collection
Water Quality
Source Water Protection
Board of Directors – Meetings, Minutes, and Corporate Governance
Management and Financial Information
Contracted Water Operational Services
Engineering
Career Opportunities
Useful Resources
Contact Us



**Pennichuck Corporation Mission** Pennichuck Corporation’s Mission is to be a premier supplier of water in New Hampshire by providing reliable, high quality, and affordable water in sufficient quantities, and New England’s premier supplier of water related contract services by providing high quality solutions to meet our customer’s needs.

## WHAT’S NEW

### Customer Service Operating Hours Extended

In order to better serve our customers, we have extended our Customer Service operating hours. Effective January 6, 2020, Customer Service Specialists will be available to assist our customers at 800-553-5191 from 7:30am to 7:00pm Monday through Thursday, and 7:30am to 5:00pm on Friday.

### Pennichuck Water Works Qualified Capital Project Adjustment Charge

In the PUC order [DW 19-029](#), Pennichuck filed a petition for the approval of QCPAC surcharge for 2018 QCPs. QCPAC filing for the proposed three-year capital expenditure plan will occur on or before February 15, 2020 with the NHPUC. For more information, please visit [My Water System](#).

### Pennichuck Water Works, Inc. (PWW) Proposed Rate Increase

Pennichuck Water Works, Inc. (PWW) has filed rate schedules with the New Hampshire Public Utilities Commission to increase its rates for all customer classes. Please visit your district in [My Water System](#) or select the following links to review our [Petition for Rate Increase](#) and [Rate Filing Frequently Asked Questions](#).

### Response to PFAS Concern in Nashua

Please select link above for Pennichuck’s response to the PFAS concern in Nashua. Also, you may visit our [System Updates page](#) for updates to PFAS.

Customer Service (800) 553-5191



Search ...



### PFAS Notifications

View link above to see Quarterly PFAS test results.

### Watershed School Education Program

Our winning posters for the 2019 Watershed School Education Program contest are posted! Select the link above to see our Watershed School Education Program page.

### Pennichuck East Utility Qualified Capital Project Adjustment Charge

In the PUC order [DW17-128](#), the New Hampshire Public Utilities Commission granted approval for PEU to implement a Qualified Capital Project Adjustment Charge (QCPAC). Qualified Capital Project Adjustment Charge (QCPAC) filing for the proposed three-year capital expenditure plan will occur on or before February 15, 2019 with the NHPUC. For more information, please visit [My Water System](#).

### My Water System

Please visit My Water System on the side menu to view all of the information regarding your system. This includes, but is not limited to rates, water restrictions, the flushing schedule, consumer confidence reports, and water quality reports.

### Water Restriction Update

Water restrictions are updated as they change. Please select Water Restriction Update above to view water restriction classifications. View [details pertaining to your water system here](#).





PENNICHUCK CORPORATION

CORPORATE SECRETARY'S CERTIFICATE

I, Suzanne L. Ansara, do hereby certify that I am the duly elected Corporate Secretary of Pennichuck Corporation (the "Company"), a New Hampshire corporation, and that I am authorized to execute and deliver this Certificate on behalf of the Company. In that capacity, I do hereby further certify that:

1. The following resolution was adopted by the Board of Directors of the Company on January 24, 2020; and such resolution has not been altered, amended or repealed, and is in full force and effect, as of the date hereof:

Resolved: that the revised 2020 Capital Expenditure Budget and 2021/2022 Capital Expenditure Plans, as presented at this meeting, are hereby approved.

2. Attachment A to this Corporate Secretary's Certificate is a true copy of the Pennichuck Water Works, Inc. 2020 Capital Expenditure Budget and 2021/2022 Capital Expenditure Plans presented to the Board of Directors of the Company on January 24, 2020 and approved by said Board.

In Witness Whereof, I have hereunto set my hand this 10th day of February, 2020.

  
Suzanne L. Ansara  
Corporate Secretary



Attachment A

## 2020 Capital Budget and 2021/2022 Capex Plans – Pennichuck Water Works

	Total Budgeted for 2019	Total Budgeted in 2020 for Carryover/Multi- year Projects	Total Budgeted in 2020 for New Projects	Total Budgeted for 2020	Total Planned in 2021 for Carryover & New Projects	Total Planned in 2022 for Carryover & New Projects
Mains and Main Replacements	\$ 7,394	\$ 581	\$ 955	\$ 1,536	\$ 4,944	\$ 5,355
Booster Stations, Tanks, Generators and Pumps	320	75	40	115	715	55
Water Treatment Media and Miscellaneous Water Supply Upgrades	30	-	-	-	93	99
Service, Hydrants and Meters	872	-	368	368	852	1,027
IT, Applications and System Monitoring	151	-	814	814	400	400
Dpac (Data Presentation and Collection) System/Click Mobile	-	-	-	-	-	-
Asset Management System	110	40	24	64	-	-
All Other	538	265	1,192	1,457	649	380
<b>Subtotals</b>	<b>9,415</b>	<b>961</b>	<b>3,392</b>	<b>4,353</b>	<b>7,652</b>	<b>7,316</b>
Bowers Pond Spillway Reconstruction	25	-	-	-	1,850	-
Merrimack River "Deep Water" Intake	5,500	362	260	622	-	-
Kessler Farm Tank Replacement	-	-	3,388	3,388	-	-
WTP - Carbon Media Filter Bed Replacement	1,000	-	500	500	-	-
Harris Dam	-	-	965	965	-	-
New Building	-	-	347	347	-	-
<b>Total Capex Budgeted 2020-2022</b>	<b>\$ 15,940</b>	<b>\$ 1,323</b>	<b>\$ 8,853</b>	<b>\$ 10,176</b>	<b>\$ 9,502</b>	<b>\$ 7,316</b>
<b>Total Capex Budgeted 2020 - 2022 approved 12/20/19</b>	<b>\$ 15,940</b>	<b>\$ 725</b>	<b>\$ 8,841</b>	<b>\$ 9,566</b>	<b>\$ 9,502</b>	<b>\$ 7,316</b>
<b>Variances</b>	<b>\$ -</b>	<b>\$ 598</b>	<b>\$ 12</b>	<b>\$ 610</b>	<b>\$ -</b>	<b>\$ -</b>

