

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 2/9/2020
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	
Sargent Street	Replace 1900 LF 6 inch CI with 1900 LF 16 inch DIPCL.				Future Financing Petition	\$ 564,000	Yes	Nashua	Yes	\$ 26.63	\$ 15,019	Water main replacement deferred from 2021 to 2022.
Courtland Street	Replace 1170 LF 4 inch CI with 1170 LF 16 inch DIPCL.				Future Financing Petition	\$ 347,000	Yes	Nashua	Yes	\$ 26.63	\$ 9,241	Water main replacement deferred from 2021 to 2022.
Alld Street	Replace 1860 LF of 6 & 8 inch CI with 12 inch DIPCL.				Future Financing Petition	\$ 870,000	Yes	Nashua	Yes	\$ 26.63	\$ 23,168	Water main replacement deferred from 2021 to 2022.
Lawndale Avenue	Replace 1085 LF of 6 inch CI with 12 inch DIPCL.				Future Financing Petition	\$ 492,000	Yes	Nashua	Yes	\$ 26.63	\$ 13,102	Water main replacement deferred from 2021 to 2022.
Linwood Street	Replace 960 LF of 6 inch CI with 8 inch DIPCL.				Future Financing Petition	\$ 31,000	Yes	Nashua	Yes	\$ 26.63	\$ 826	
Balcom Street	Replace 1240 LF 6 inch CI with 1240 LF 8 inch DIPCL.				Future Financing Petition	\$ 40,000	Yes	Nashua	Yes	\$ 26.63	\$ 1,065	
Euclid Avenue	Replace 425 LF 6 inch CI with 425LF 8 inch DIPCL.				Future Financing Petition	\$ 14,000	Yes	Nashua	Yes	\$ 26.63	\$ 373	
Fairview Street	Replace 800 LF 6 inch CI with 800 LF 8 inch DIPCL.				Future Financing Petition	\$ 26,000	Yes	Nashua	Yes	\$ 26.63	\$ 692	
Sargent Street	Replace 1900 LF 6 inch CI with 1900 LF 16 inch DIPCL.				Future Financing Petition	\$ 62,000	Yes	Nashua	Yes	\$ 26.63	\$ 1,651	
Courtland Street	Replace 1170 LF 4 inch CI with 1170 LF 16 inch DIPCL.				Future Financing Petition	\$ 38,000	Yes	Nashua	Yes	\$ 26.63	\$ 1,012	
Alld Street	Replace 1860 LF of 6 & 8 inch CI with 12 inch DIPCL.				Future Financing Petition	\$ 96,000	Yes	Nashua	Yes	\$ 26.63	\$ 2,556	
Lawndale Avenue	Replace 1085 LF of 6 inch CI with 12 inch DIPCL.				Future Financing Petition	\$ 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.				Future Financing Petition	\$ 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.				Future Financing Petition	\$ 15,000	Yes	Nashua	Yes	\$ 26.63	\$ 399	
2020 Nashua City Sewer Projects	Residual Paving Contribution for work complete in 2020.				Future Financing Petition	\$ 200,000	Yes	Nashua	Yes	\$ 26.63	\$ 5,326	
Benson Avenue	Replace 550 LF of 4 inch CI with 8 inch DIPCL.				Future Financing Petition	\$ 189,000	Yes	Nashua	Yes	\$ 26.63	\$ 5,033	
Spaulding Street	Replace 950 LF of 6 inch CI with 8 inch DIPCL.				Future Financing Petition	\$ 325,000	Yes	Nashua	Yes	\$ 26.63	\$ 8,655	
Alstead Avenue	Replace 240 LF of 4 inch CI with 4 inch DIPCL.				Future Financing Petition	\$ 72,000	Yes	Nashua	Yes	\$ 26.63	\$ 1,917	
Spaulding Avenue	Replace 430 LF of 6, 2, & 1.25 inch CI with 4 inch DIPCL.				Future Financing Petition	\$ 93,000	Yes	Nashua	Yes	\$ 26.63	\$ 2,477	
St Lazare Street	Replace 415 LF of 2 inch CI with 4 inch DIPCL.				Future Financing Petition	\$ 90,000	Yes	Nashua	Yes	\$ 26.63	\$ 2,397	
Ingalls St (St Camille to end)	Replace 200 LF of 1.5 inch CI with 4 inch DIPCL.				Future Financing Petition	\$ 43,000	Yes	Nashua	Yes	\$ 26.63	\$ 1,145	
Nye Avenues	Replace 400 LF of 2 & 1.5 inch CI with 4 inch DIPCL.				Future Financing Petition	\$ 86,000	Yes	Nashua	Yes	\$ 26.63	\$ 2,290	
Copp Street	Replace 350 LF of 6 inch CI with 8 inch DIPCL.				Future Financing Petition	\$ 122,000	Yes	Nashua	Yes	\$ 26.63	\$ 3,249	
Gray Avenue	Replace 360 LF of 6 inch CI with 6 inch DIPCL.				Future Financing Petition	\$ 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.				Future Financing Petition	\$ 1,188,000	Yes	Nashua	Yes	\$ 26.63	\$ 31,636	
City Sewer Projects	Replace CI with DI/CLP.				Future Financing Petition	\$ 1,100,000	Yes	Nashua	Yes	\$ 26.63	\$ 29,293	
Sawyer Street	Replace 1600 LF of 6 inch CI with 12 inch DIPCL.				Future Financing Petition	\$ 475,000	Yes	Nashua	Yes	\$ 26.63	\$ 12,649	
Woodward Street	Replace 360 LF 8 inch CI with 470 LF 8 inch DIPCL.				Future Financing Petition	\$ 139,000	Yes	Nashua	Yes	\$ 26.63	\$ 3,702	
Blosson Street	Replace 2400 LF of 6 inch CI and 8 inch CI with 2400 LF of 8 inch DIPCL.				Future Financing Petition	\$ 712,000	Yes	Nashua	Yes	\$ 26.63	\$ 18,961	
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	\$ 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	
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	\$ -	
<b>Pennichuck Water Works Projected 2022 Total Capital Expenditure Budget -</b>						<b>\$ 9,588,750</b>		<b>Projected Property Tax Expense associated</b>		<b>\$ 234,350</b>		

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.

	DW19-084 PWW Approved 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	\$ 21,296,618 (1)		\$ 416,593 (4)		\$ 21,713,211		\$ 156,004 (4)		\$ 21,869,215 (4)		\$ 257,759		\$ 22,126,974		\$ 234,350		\$ 22,361,324
Annual Principal and Interest Payments	\$ 6,176,477 (2)		\$ 867,226 (5)		\$ 7,043,703		\$ 419,276		\$ 7,462,979		\$ 659,296		\$ 8,122,275		\$ 596,310		\$ 8,718,585
Principal and Interest Coverage Requirement	1.10 (3)				1.10				1.10				1.10				1.10
Principal and Interest Revenue Requirement	\$ 6,794,124				\$ 7,748,073				\$ 8,209,276				\$ 8,934,502				\$ 9,590,444
Proposed Revenue Requirement w/out special contract revenues	\$ 34,792,618 (8)				\$ 36,163,160 (8)				\$ 36,780,367 (8)				\$ 37,763,353				\$ 38,653,644
Current Water Revenues excluding CBFRR					\$ 28,434,129				\$ 29,051,336				\$ 30,034,321				\$ 30,924,612
Add: City Bond Fixed Revenue Requirement					\$ 7,729,032				\$ 7,729,032				\$ 7,729,032				\$ 7,729,032
Current Water Revenues with CBFRR					\$ 36,163,160				\$ 36,780,367				\$ 37,763,353				\$ 38,653,644
Percent QCPAC Surcharge (9)					3.94%				1.77%				2.83%				2.56%
Cumulative QCPAC Surcharge (13)					3.94%				5.71%				8.54%				11.10%
Cumulative QCPAC monthly increase in average single family residential bill					\$ 2.17				\$ 3.14				\$ 4.70				\$ 6.35
Average monthly single family residential bill with QCPAC	\$ 55.02				\$ 57.19				\$ 58.17				\$ 59.72				\$ 61.37

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 interest rate of 5.00% for 2020 through 2022 Capital Expenditures unless funding is via an SRF/DWGTFF financing.
- (6) QCPAC Principal and Interest expenses are based on 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 that was not requested for recovery in DW19-084.
- (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 DWGTFF 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 (I)	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	\$ 240,000	\$ 200,000	\$ 207,025	Various	Yes	\$ 27.02	\$ 5,594	1732 installed/repaced through 12/31.
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	\$ -	\$ -	\$ -	Various	Yes	\$ 27.02	\$ -	
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 vr Vac Trailer - Safety & Maint issue	Replace 13 vr 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	Spirbrook Rd Protectus Meter Upgrade	n/a	DW17-183	26,101	2/2/2018	\$ 21,000	\$ 21,000	Yes	\$ 21,000	\$ 21,000	\$ -	\$ -	Nashua	Yes	\$ 26.23	\$ -	Deferred until 2020
Pipe Freeze Kits (2)	Roof-rust Turbo 2 Electric Pipe Freeze Kits	1915135	DW17-183	26,101	2/2/2018	\$ 7,400	\$ 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.
Plate Contractors (4)	Replacement of failed compactors unable to obtain repair parts	1918551	DW17-183	26,101	2/2/2018	\$ -	\$ 17,500	No	\$ 17,500	\$ 17,500	\$ 15,888	\$ 15,888	Nashua	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	\$ 2,700	\$ 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 74 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.	1806605, 1900422				\$ 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	DWGT-F Financing DW18-133	26,197	12/3/2018	\$ 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	\$ 369,478	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	\$ 140,000	\$ 158,469	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 inlaying	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 - Pomenah 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 CIP 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 15 LF of 1.5 inch steel with 2 inch HDPE for paving program	1915860	DW17-183	26,101	2/2/2018	\$ -	\$ 16,750	Yes	\$ 20,566	\$ 20,566	\$ 17,400	\$ 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 - Ferrylls Ct	Replace 35 lf 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	Ferrylls was replaced last year to the limit of Canal St - complete this is phase 2 extending into Canal St - complete.
City of Nashua Paving - Salvai 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	2/2/2018	\$ -	\$ 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, 1915859	DW17-183	26,101	2/2/2018	\$ -	\$ 24,500	Yes	\$ 24,500	\$ 24,500	\$ 24,500	\$ 14,002	Nashua	Yes	\$ 26.23	\$ 371	Final paving bill for this project.
City of Nashua Paving - Lemon St - Carry over from 2017	Paving only - Carry over from 2017	17028															

Miscellaneous Equipment Purchased	Purchase Entry Tripod and Winch for WS Confined Space Program	1910296	DW17-183	26,101	2/2/2018	\$ -	\$ 3,004	Yes	\$ 3,004	\$ 3,004	\$ 3,004	\$ 3,004	Nashua	Yes	\$ 26.23	\$ 79	Routine Miscellaneous Equipment purchase
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	\$ 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 Carrover	1901608	DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ -	\$ 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	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	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 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.
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	\$ 8,000	\$ 7,978	Nashua	Yes	\$ 26.23	\$ 209	
Camera System Upgrade	Carrover 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	Carrover 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	Carrover 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	Carrover 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	\$ -	Monies moved to Vecam 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	\$ 25,550	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	\$ 7,200	Merrimack	No	\$ 28.86	\$ -	Previously licensed software was not suitable for virtual environment.
Vecam 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	\$ -	\$ -	\$ 30,000	\$ 26,355	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.	n/a	DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ -	\$ 148,006	\$ 174,418	\$ -	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	n/a	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/DWGTFF - \$ 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.

11/30/2019 12/31/2019

\$ 469,651 \$ 427,640

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

Project Name/Description	Project Description	Work Order #	Financing Docker No.	NHSPUC Order No.	Date of NHSPUC Order	Board Approved 2020 Capex Budget	QCPCAP 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 02/15/2021	Community	Transferable	Tax Rate (D)	QCPCAP Eligible Property Tax Expense	Explanation for Change/Addition/Deduction since 2/9/2020
New Services (10)	Single Family, Owner Build, New Homes					\$ 50,000	Yes	\$ 25,000	\$ 25,000	\$ 51,000		Various	Yes	\$ 27.02	\$ 480	5 new services through 11/30/20. Position on additional new services by year end.
Revised Services (2)	Replacement of failed services					\$ 110,000	Yes	\$ 60,000	\$ 70,000	\$ 68,000		Various	Yes	\$ 27.02	\$ 1,879	10 Revised Services Installed through 11/30/2020. Projecting no additional replacements by end of year.
Hidalgos (19)	Replacement of non functional fixtures (Run rates) (8 YTD)	30 & 31 workorders				\$ 60,000	Yes	\$ 44,000	\$ 50,000	\$ 45,000		Various	Yes	\$ 27.02	\$ 1,297	19 Hydalgos Replaced/Replaced through 11/30/2020. Projecting 1 more replacement by end of year.
Capex (16)	Capex (16) - Various	17 to 23 workorders				\$ 40,000	Yes	\$ 40,000	\$ 30,000	\$ 40,000		Various	Yes	\$ 27.02	\$ 1,049	10 Capex Replaced/Replaced through 11/30/2020. Projecting 1 more replacement by end of year.
Radon (60)	Replacement of one of Warramont Filled Radon (280), New Meters for new customers (280)	30 workorders				\$ 50,000	Yes	\$ 40,000	\$ 50,000	\$ 51,000		Various	Yes	\$ 27.02	\$ 1,374	60 Radon Installed/Replaced through 11/30/2020. Projecting 40 more replacements by end of year.
Meters (Growth) 3.5" x 2" - Capex & CWS (280)	Meters (Growth) 3.5" x 2" - Capex & CWS (280)	30 workorders				\$ 20,000	Yes	\$ 55,500	\$ 91,000	\$ 96,000		Various	Yes	\$ 27.02	\$ 2,994	900 Meters Installed/Replaced through 11/30/2020. Projecting 10 more replacements by end of year.
Meters 3.5" x 2" - Replaces failed meters - Capex & CWS (200)	Meters 3.5" x 2" - Replaces failed meters - Capex & CWS (200)	20 workorders				\$ 21,000	Yes	\$ -	\$ -	\$ -		Various	Yes	\$ 27.02	\$ -	Work delayed on low-rates rate meter until 2021. due to COVID19.
Replaces Mad water meter	Replaces 13+ year old meter	2012020					Yes	\$ 6,56	\$ 6,56	\$ 6,56		Merriam	No	\$ 27.02	\$ 172	Work delayed on low-rates rate meter until 2021. due to COVID19.
Replaces Water Truck	Replaces 2017 - 2018 Ford F350 150K miles Does not pass inspection	2016391				\$ 70,000	Yes	\$ 70,000	\$ 70,000	\$ 70,000		Merriam	Yes	\$ 29.86	\$ -	
Replaces 15000 Tractor	Replaces for 475 - 2008 Ford F350 100K miles Does not pass inspection	2016390				\$ 70,000	Yes	\$ 70,000	\$ 70,000	\$ 70,000		Merriam	Yes	\$ 29.86	\$ -	
Replaces 15000 Tractor	Replaces for 401 - 2010 Ford F350 140K miles Does not pass inspection	2016389				\$ 70,000	Yes	\$ 70,000	\$ 70,000	\$ 70,000		Merriam	No	\$ 29.86	\$ -	
Valve Turner & Valv Truck	Replaces for 860 - 14 Year Valv Truck w/ excessive oil, will not pass inspection	n/a				\$ 160,000	Yes	\$ -	\$ -	\$ -		Merriam	No	\$ 29.86	\$ -	Deferred - Not available due to impact of COVID19 on manufacturing.
Emergency Truck	Replaces for 899 - 2011 International 120K Miles - High Hours, Electrical, body issues	2014436				\$ 140,000	Yes	\$ 140,000	\$ 140,000	\$ 140,000		Merriam	No	\$ 29.86	\$ -	Deferred until 2021
Locker Room Booth Wash Sinks	Replaces for 899 - 2011 International 120K Miles - High Hours, Electrical, body issues	n/a				\$ 7,500	Yes	\$ 7,500	\$ 7,500	\$ 7,500		Merriam	Yes	\$ 29.86	\$ -	Deferred until 2021 due to COVID19 delays.
Locker Room Booth Wash Sinks	Deep stainless wash sinks to replace existing sinks in male & female locker rooms	n/a				\$ 7,500	Yes	\$ 7,500	\$ 7,500	\$ 7,500		Merriam	Yes	\$ 29.86	\$ -	Deferred until 2021 due to COVID19 delays.
Office Space for Cust & Maint Supervisor	Demolition office space for Custodian & Maintenance Supervisor	n/a				\$ 12,000	Yes	\$ 12,000	\$ 12,000	\$ 12,000		Merriam	Yes	\$ 29.86	\$ -	Deferred until 2020 due to COVID19 delays.
Landscaping improvements	Remove 1800 sq ft of 10 DWR II and install new with erosion mix	n/a				\$ 12,000	Yes	\$ 12,000	\$ 12,000	\$ 12,500		Merriam	Yes	\$ 29.86	\$ 62	
Automatic Entrance Gate @ Distribution Facility	Replaces manual gate @ Distribution facility with automatic gate	2010718		01 DSRR		\$ 10,000	No	\$ 10,000	\$ 10,000	\$ -		Merriam	Yes	\$ 29.86	\$ -	Work delayed on low-rates rate meter until 2021. due to COVID19.
Emergency Gas Detection Meters	Emergency Gas Detection Meters	2016053					Yes	\$ 10,411	\$ 10,411	\$ 10,411		Merriam	Yes	\$ 29.86	\$ 300	Replaces existing failed detector.
Rehabilitation Equipment/Excavator Trailer	Rehabilitation Equipment/Excavator Trailer						Yes	\$ -	\$ -	\$ 19,467		Merriam	Yes	\$ 29.86	\$ 562	
Replaces 15000 Tractor	Replaces for 410 - 2008 Ford F350 100K Miles - High Hours, Electrical, body issues	n/a				\$ 140,000	Yes	\$ -	\$ -	\$ 6,004		Merriam	Yes	\$ 29.86	\$ 207	
West Halls Street Check Valve Box	Install at the intersection of W. 10th St and Halls St.	n/a				\$ 80,000	Yes	\$ -	\$ -	\$ -		Nashua	Yes	\$ 26.23	\$ -	Deferred
NWS Improvements - Manchester Street	Install 1700 LF of 24 inch P3 and new Force Mains	2010383		DWCTF		\$ 125,000	Yes	\$ 140,000	\$ 140,000	\$ 86,000		Nashua	Yes	\$ 26.23	\$ 2,566	
NWS Improvements - Abbeystead Dr. Northeast Blvd Loop	Install 3400 LF of 20 inch HDPE include RR pipe section	2010386		DWCTF		\$ 250,000	Yes	\$ 250,000	\$ 250,000	\$ 183,000		Nashua	Yes	\$ 26.23	\$ 4,480	
NWS Improvements - Veterans Rd/Route 103A Loop	Add 2200 LF of 12 inch HDPE to close two loop main pipe dead ends	2010384		DWCTF		\$ 125,000	Yes	\$ 125,000	\$ 125,000	\$ 125,000		Nashua	Yes	\$ 26.23	\$ 2,759	
NWS Improvements - Tanker Road Paving and restoration	NWS Improvements - Tanker Road Paving and restoration	2010385		DWCTF		\$ 125,000	Yes	\$ 52,000	\$ 52,000	\$ 126,000		Nashua	Yes	\$ 26.23	\$ 3,500	
Sutton & Will Streets - Paving	Sutton & Will Streets - Paving	2010387				\$ 125,000	Yes	\$ 125,000	\$ 125,000	\$ 125,000		Nashua	Yes	\$ 26.23	\$ -	
Gravel Street - Fuel Paving	Gravel Street - Fuel Paving	2010388				\$ 18,000	Yes	\$ 18,000	\$ 18,000	\$ -		Nashua	Yes	\$ 26.23	\$ -	
City of Nashua Sewer - Lake Street	Replaces 2500 LF of 6 inch C1 with 12 inch HDPE (Paving)	2010378				\$ 30,000	Yes	\$ 30,000	\$ 30,000	\$ -		Nashua	Yes	\$ 26.23	\$ -	
Merriam River Intake	Year Round Raw Water Intake from Merriam River	2010360		DWCTF Financing 100%/50%	26,247	\$ 1,407,75	Yes	\$ 192,169	\$ 192,169	\$ 192,169		Merriam	Yes	\$ 29.86	\$ 5,544	Amount of MBF raw water intake funds still available from DWCTF.
Merriam River Intake	Year Round Raw Water Intake from Merriam River	2010360				\$ 221,283	Yes	\$ 247,891	\$ 260,000	\$ 260,000		Merriam	Yes	\$ 29.86	\$ 7,904	Project cost increased by \$80,000 to develop Storm Water Protection plan required by NHDES.
Replaces Keosauqua Farm booster pump package	Replaces 31 year old package booster station pumps and piping	2010389				\$ 75,000	Yes	\$ 178,000	\$ 200,000	\$ 188,000		Nashua	Yes	\$ 26.23	\$ -	Budget to be increased as a portion of sit work for the Keosauqua Farm tank was transferred to this project. Warning project bid was higher than engineer's estimate.
Risk and Resilience Assessment and Emergency Response Plan	Complete Risk and Resilience Assessment and Emergency Response Plan as required by the UNDA	2010205				\$ 120,000	Yes	\$ 120,000	\$ 120,000	\$ 120,000		Various	No	\$ 27.02	\$ -	
Asset Management - GIS O&M ahead of NEW CMMIS	GIS O&M ahead of NEW CMMIS	1901014, 2001062				\$ 40,000	Yes	\$ 40,000	\$ 40,000	\$ 40,000		Merriam	Yes	\$ 29.86	\$ 1,154	
Brook Street	Replaces 225 LF of 4 inch and 913 LF of 6 inch C1 with 140 LF of 8 inch HDPE	2010423				\$ 380,000	Yes	\$ 274,000	\$ 290,000	\$ 276,000		Nashua	Yes	\$ 26.23	\$ 2,219	Restoration work slated for 2021 was completed in 2020.
Hillside Street	Replaces 410 LF of 6 inch C1 with 4 inch HDPE	2010422				\$ 410,000	Yes	\$ 350,000	\$ 420,000	\$ 417,000		Nashua	Yes	\$ 26.23	\$ 3,001	
Bright Street	Replaces 425 LF of 4 inch C1 with 8 inch HDPE	2010421				\$ 410,000	Yes	\$ 350,000	\$ 420,000	\$ 417,000		Nashua	Yes	\$ 26.23	\$ 3,001	
Bright Street	Replaces 125 LF of 4 inch C1 with 4 inch HDPE	n/a				\$ 38,000	Yes	\$ 67,000	\$ 84,000	\$ 84,000		Nashua	Yes	\$ 26.23	\$ -	Included in row above.
Yonge Street	Replaces 675 LF of 6 inch C1 with 8 inch HDPE	n/a				\$ 226,000	Yes	\$ 175,500	\$ 175,500	\$ 205,000		Nashua	Yes	\$ 26.23	\$ 1,260	Replaced the use of emergency cuts that was not initially part of the design.
Saratoga Ave	Replaces 280 LF of 6 inch C1 with 8 inch HDPE	n/a				\$ 85,000	Yes	\$ 62,000	\$ 118,000	\$ 70,000		Nashua	Yes	\$ 26.23	\$ 1,876	
Abandon Dodge Rd Watermain Abandonment	Abandon Approx. 700 LF of AG Main, Transfer 2 services & 1 Hyd to parallel 8" HDPE water main	2011229				\$ 20,000	Yes	\$ 71,000	\$ 105,750	\$ 146,000		Amherst	No	\$ 28.85	\$ -	Scope of job expanded to replace multiple broken or leaking valves discovered during the shutdown process.
Keosauqua Farm Tank Replacement	Replaces 4 MG mounded steel water tank with 4 MG prestressed, precast water tank.	2010379		01 DSRR		\$ 3,588,000	No	\$ 60,000	\$ 60,000	\$ 60,000		Nashua	No	\$ 26.23	\$ -	Design only - Construction deferred until 2021.
Replaces Keosauqua Tank	2020 Ford Escape SE - Replaces Vehicle #10	2016652				\$ 35,000	Yes	\$ 35,000	\$ 24,411	\$ 24,411		Merriam	Yes	\$ 29.86	\$ 700	
Replaces Keosauqua Tank	2020 Ford Escape SE - Replaces Vehicle #10	2016653				\$ 30,000	Yes	\$ 30,000	\$ 23,474	\$ 24,000		Merriam	Yes	\$ 29.86	\$ 786	
Investment in developer installed services at Tynamon estate	Per pay	n/a				\$ 60,000	Yes	\$ 84,000	\$ 69,000	\$ 80,000		Merriam	Yes	\$ 27.02	\$ 2,658	124 Preconnect Installed Services through 11/30/2020. Projecting 10 more by year end.
Asset Management Tremble Rd Lines	Add two new GPS units for additional staff	2010355				\$ 24,000	Yes	\$ 24,000	\$ 24,000	\$ 24,000		Merriam	No	\$ 29.86	\$ -	
Merriam River Pumping Station	Add third 350 horsepower pump and motor with variable frequency drive.	2010759				\$ 200,000	Yes	\$ 500,000	\$ 600,000	\$ 600,000		Merriam	Yes	\$ 29.86	\$ 17,316	Pump Station work includes and routing to facilitate pump replacement in the future. Bid price received for new pump was higher than anticipated. Added Electrical system upgrades for code and redundancy. There will be an additional \$100,000 of expenditures to complete this project in 2021.
Greentown Street (sewer relief)	Replaces 250 LF of 4 inch C1 and 96 LF of 1 1/4 inch C1 with 150 LF of 4" PVC	2011229				\$ 44,700	Yes	\$ 44,700	\$ 53,000	\$ 53,000		Nashua	Yes	\$ 26.23	\$ 1,025	Added due to Keosauqua Farm Tank deferral in 2021.
Greentown Street (sewer combination)	Replaces 250 LF of 4 inch C1 and 96 LF of 1 1/4 inch C1 with 150 LF of 4" PVC	2011229				\$ 44,700	Yes	\$ 44,700	\$ 53,000	\$ 53,000		Nashua	Yes	\$ 26.23	\$ 1,025	Added due to Keosauqua Farm Tank deferral in 2021.
School Street	Replaces 400 LF of 4 inch C1 with 8 inch HDPE (create a looped system)	2010353				\$ 244,000	Yes	\$ 244,000	\$ 366,500	\$ 287,000		Nashua	Yes	\$ 26.23	\$ 7,495	Added due to Keosauqua Farm Tank deferral in 2021. restoration work that was planned for 2021 was completed in 2020.
Falton Street/Lake St Area PH2	Replaces 280 LF of 4" C1 with 8" HDPE - addition to Lake St Ph 2 connector	2017552				\$ 55,000	Yes	\$ 55,000	\$ 82,500	\$ 82,500		Nashua	Yes	\$ 26.23	\$ 2,415	Added due to Keosauqua Farm Tank deferral in 2021.
Monroe St (Lake St Area PH2)	Replaces 240 LF of 6 inch C1 with 8" HDPE - addition to Lake St Ph 2 connector	2017541				\$ 55,000	Yes	\$ 84,000	\$ 84,000	\$ 84,500		Nashua	Yes	\$ 26.23	\$ 1,474	Added due to Keosauqua Farm Tank deferral in 2021.
Ash St (Lake St Area PH2)	Replaces 480 LF of 6 inch C1 with 8 inch HDPE - added to Lake St Ph 2	2017540				\$ 102,000	Yes	\$ 157,450	\$ 164,500	\$ 164,500		Nashua	Yes	\$ 26.23	\$ 4,700	Added due to Keosauqua Farm Tank deferral in 2021.
Fish Cove Crossing/Lake St Area PH2	Close Gap work with 16" HDPE direction from 890 LF - added to Lake St Ph 2	2017537				\$ 60,000	Yes	\$ 60,000	\$ 60,000	\$ 20,000		Nashua	Yes	\$ 26.23	\$ 528	Added due to Keosauqua Farm Tank deferral in 2021.
Pine St (Lake St Area PH2)	Close Gap work with 16" HDPE direction from 890 LF - added to Lake St Ph 2	2017541				\$ 38,000	Yes	\$ 38,000	\$ 45,000	\$ 37,000		Nashua	Yes	\$ 26.23	\$ 971	Added due to Keosauqua Farm Tank deferral in 2021.
Inglis St - watermain in 2020	Emergency water main replacement - 175' of 6 inch (2021) replaced with 4" PVC	2017541				\$ 38,000	Yes	\$ 38,000	\$ 45,000	\$ 37,000		Nashua	Yes	\$ 26.23	\$ 971	Added due to Keosauqua Farm Tank deferral in 2021.
Walnut St - watermain in 2020	Paving related to water main replacement - replace 56' of 12" C1 and 230' of 8" C1 (1925 - installed with 200' of 12" HDPE)	2016558				\$ 70,000	Yes	\$ 70,000	\$ 120,000	\$ 84,000		Nashua	Yes	\$ 26.23	\$ 2,293	Added due to Keosauqua Farm Tank deferral in 2021. \$8 from water contribution in row 67 added in.
Walnut St (paving contribution)	Paving Contribution for paving in 2021						Yes	\$ 20,000	\$ -	\$ -		Nashua	Yes	\$ 26.23	\$ -	Added due to Keosauqua Farm Tank deferral in 2021. \$8 from row 66.
Colony Woods (all side streets)	Replaces 4400 LF of 2 inch PVC with 4 inch HDPE	2010265				\$ 900,000	Yes	\$ 150,000	\$ 118,000	\$ 118,000		Nashua	Yes	\$ 26.23	\$ 3,093	Added due to Keosauqua Farm Tank deferral in 2021. The majority of this project will be occurring in 2021 due to later than expected bid opening.
Pennack Brook Booth Aerial Services	Pennack Brook Booth Aerial Services	2010670					Yes	\$ 21,700	\$ 21,700	\$ 21,700		Nashua	Yes	\$ 26.23	\$ -	Financially zero-sum. Source of excessed budget of Harris and Bowers Pond.
Upgrade SCADA historian software, new hardware	Upgrade SCADA historian software, new hardware	2010376				\$ 65,000	Yes	\$ 65,000	\$ 65,000	\$ 65,000		Nashua	No	\$ 26.23	\$ 1,705	Financially zero-sum. Source of excessed budget of Harris and Bowers Pond.
Bowers Dam LID response engineering	Bowers Dam LID response engineering	2010377		01 DSRR		\$ 10,000	No	\$ 10,000	\$ 10,000	\$ 10,000		Nashua/Merriam	No	\$ 27.55	\$ -	Bowers Dam LID response engineering.
Rebuild LID response engineering	Re															

Project Name/Description	Project Description	Work Order #	Financing Docket 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 (D)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deduction since 2/9/2020	
Miss Hardware	Miss Hardware	n/a				20,000	Yes	6,993	\$	1,500		Merriam	No	\$ 28.86	\$ -		
Miss Hardware	Lantern Purchase for Regulatory Department - JK	2001907		Future Financing Petition			Yes	1,600	\$ 1,600	1,600		Merriam	No	\$ 28.86	\$ -	Purchase to accommodate work from home created by COVID19	
Miss Hardware	Lantern Purchase for Regulatory Department - CAH	2002075		Future Financing Petition			Yes	1,400	\$ 1,400	1,400		Merriam	No	\$ 28.86	\$ -	Purchase to accommodate work from home created by COVID19	
Miss Hardware	Lantern Purchase for onboarding employees (5)	2002050		Future Financing Petition			Yes	9,095	\$ 9,095	9,095		Merriam	No	\$ 28.86	\$ -	Purchase to accommodate work from home created by COVID19	
Miss Hardware	Lantern Purchase for New Employee C - Headline	2001320		Future Financing Petition			Yes	\$	2,491	\$ 2,491		Merriam	No	\$ 28.86	\$ -	Purchase to accommodate work from home created by COVID19	
Miss Hardware	Smart Lantern Purchase	2002528		Future Financing Petition			Yes	\$	1,005	\$ 1,005		Merriam	No	\$ 28.86	\$ -	Purchase to accommodate work from home created by COVID19	
Miss Hardware	New Laptop for Accounting new hire - Pissoll Adam	2002500		Future Financing Petition			Yes	\$	1,160	\$ 1,160		Merriam	No	\$ 28.86	\$ -	Purchase to accommodate work from home created by COVID19	
Miss Software	Miss Software	n/a				12,000	Yes	2,880	\$	\$		Merriam	No	\$ 28.86	\$ -		
Miss Software	Microsoft Development Environment for testing upgrade	2002272		Future Financing Petition			Yes	5,260	\$ 5,260	5,260		Merriam	No	\$ 28.86	\$ -		
Miss Software	Yikes Nifty	2002317		Future Financing Petition			Yes	5,480	\$ 5,480	5,480		Merriam	No	\$ 28.86	\$ -		
Miss Software	MSI Server License for Miami Upgrade	2000976		Future Financing Petition			Yes	6,350	\$ 6,350	6,350		Merriam	No	\$ 28.86	\$ -		
Miss Software	Website upgrades	n/a				8,000	Yes	8,000	\$	\$		Merriam	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.	2003704		Future Financing Petition		15,000	Yes	15,000	\$ 15,000	15,000		Merriam	No	\$ 28.86	\$ -		
Additional UPS for Distribution Data Center	We are starting to leverage the datacenter more with more equipment. The current UPS is over subscribed and we need to protect everything in there.	2003493		Future Financing Petition		1,600	Yes	1,600	\$ 1,600	1,600		Merriam	No	\$ 28.86	\$ -		
Marak Wireless APs for WTP	The current APs at WTP are tied into the wireless at HQ. We will be changing to the Marak solution for HQ so these will need to be replaced.	2003425		Future Financing Petition		3,000	Yes	3,000	\$ 3,000	3,000		Merriam	No	\$ 28.86	\$ -		
Storage Replacement for P8610 Array	Unable address shelf - 33th usable	2003425		Future Financing Petition		37,000	Yes	30,000	\$ 30,000	30,000		Merriam	No	\$ 28.86	\$ -		
Veritas Backup of ODS	Backup documents moved as the cloud within Office 365	n/a				2,000	Yes	\$	2,000	2,000		Merriam	No	\$ 28.86	\$ -		
Client Remote Control Software	3 Homes	n/a				1,300	Yes	\$	1,300	1,300		Merriam	No	\$ 28.86	\$ -		
CMMS replacement request (Palmon)	Replace Siemens/WAM with newer more cost effective/improved functionality system	2003508		Future Financing Petition		600,000	Yes	600,000	\$ 600,000	600,000		Nashua	Yes	\$ 26.23	\$ 11,808	Project implementation has been slowed due to COVID19. Project \$5 not used in 2020 will carry over into 2021	
New Building - Cable Management in Server Room	Rack/Ladder/Patch Panels Cable Management/KVM	2001988		0.1 DSRP		6,700	No	5,560	\$ 5,560	5,560		Nashua	Yes	\$ 26.23	\$ 146		
New Building - Facility Secure Access/Surveillance	Doors and elevator security/Cameras	2001988		0.1 DSRP		76,300	No	140,000	\$ 140,000	140,000		Nashua	Yes	\$ 26.23	\$ 3,672		
New Building - Audio/Visual	Boardroom and Conference Rooms	2001988		0.1 DSRP		11,400	No	29,000	\$ 29,000	29,000		Nashua	Yes	\$ 26.23	\$ 763		
New Building - Server Room Networking	Routers/Switches/Racks/Patch Panels	2001988		0.1 DSRP		19,000	No	12,400	\$ 12,400	12,400		Nashua	Yes	\$ 26.23	\$ 356		
New Building - Wireless	Wireless Access Points for Main Office	2001988		0.1 DSRP		13,000	No	10,200	\$ 10,200	10,200		Nashua	Yes	\$ 26.23	\$ 264		
New Building - AMR Equipment Room	UPS/Rack/Patch Panels/Switch/Transceiver	2001988		0.1 DSRP		6,000	No	6,000	\$ 6,000	6,000		Nashua	Yes	\$ 26.23	\$ 178		
New Building - Phase System	Replacement of existing Phase system. New system will not work with existing hardware.	TRD		0.1 DSRP		70,000	No	60,000	\$ 60,000	60,000		Nashua	Yes	\$ 26.23	\$ 1,574		
New Building - Cables	Cables for new headquarters	2001988		0.1 DSRP		65,000	No	80,000	\$ 80,000	80,000		Nashua	Yes	\$ 26.23	\$ 2,098	Increase in cost due to increasing height of cable walls from 65" to 84". Will be changed to create social distance barrier.	
New Building - Appliances	Appliances (Refrigerator, dishwasher, microwaves, etc)	2001988		0.1 DSRP		7,000	No	5,500	\$ 5,500	5,500		Nashua	Yes	\$ 26.23	\$ 144		
New Building - relocation of Cerner to New Office location	New Building - relocation of Cerner to New Office location	2001988		0.1 DSRP		60,000	No	140,000	\$ 140,000	140,000		Nashua	Yes	\$ 26.23	\$ 3,672	Generator at existing building not large enough to cover new building. New generator required.	
New Building - Office Furniture	New Building - Office Furniture	2001988		0.1 DSRP		10,000	No	18,000	\$ 18,000	18,000		Nashua	Yes	\$ 26.23	\$ 472	Increase over budget created by a determination to purchase more "sit/stand" desks than in original budget.	
LAMP - IIS mobile Management	Software configuration support for LAMP product.	2001711		Future Financing Petition		6,000	Yes	6,000	\$ 6,000	6,000		Merriam	No	\$ 28.86	\$ -		
Document Management	Software to allow for document tracking and flow management (Accounting).	n/a				8,000	Yes	5,400	\$ 5,400	\$ -		Merriam	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.	2003421		Future Financing Petition		45,000	Yes	19,500	\$ 19,500	19,500		Merriam	No	\$ 28.86	\$ -		
Lemon Street Equal Restoration	2020 Curbscape Costs	2000975		Future Financing Petition			Yes	1,500	\$ 1,500	1,500		Nashua	Yes	\$ 26.23	\$ 39	Not included in approved 2020 Budget	
Frank Street Equal Restoration	2020 Curbscape Costs	2000975		Future Financing Petition			Yes	2,400	\$ 2,400	2,400		Nashua	Yes	\$ 26.23	\$ 60	Not included in approved 2020 Budget	
West Pearl Street Equal Restoration	2020 Curbscape Costs	2000975		Future Financing Petition			Yes	12,750	\$ 12,750	12,750		Nashua	Yes	\$ 26.23	\$ 334	Not included in approved 2020 Budget	
Brimley	Paid out in 2020 on retentions held on 2019 projects	N/A					Yes	\$	\$	162,383		Nashua	Yes	\$ 26.23	\$ 4,250		
Brimley	Held on various projects listed above. Will be paid out in 2021	N/A					Yes	\$	\$	154,605		Nashua	Yes	\$ 26.23	\$ 3,458		
F.M.A.C interest	Interest accrued on PWW F.M.A.C from 5/1/2020 to 4/1/2021						Yes	\$	\$	70,000		Nashua	No	\$ 27.02	\$ -	Projected interest accrued on F.M.A.C \$5 for funding of 2020 Capex projects.	
Elm Street Equal Restoration	2020 Curbscape Costs	2000976		Future Financing Petition			Yes	21,750	\$ 21,750	21,750		Nashua	Yes	\$ 26.23	\$ 571	Not included in approved 2020 Budget.	
Wasson Street Equal Restoration	2020 Curbscape Costs	2000977		Future Financing Petition			Yes	1,500	\$ 1,500	1,500		Nashua	Yes	\$ 26.23	\$ 38	Not included in approved 2020 Budget.	
<b>Pennichuck Water Works Projected 2020 Total Capital Expenditure Budget -</b>						<b>\$ 10,175,700</b>		<b>\$ 7,282,874</b>	<b>\$ 6,797,422</b>	<b>\$ 7,171,915</b>					<b>\$ 156,084</b>		
<b>0.1 DSRP Funded project Total -</b>						<b>\$ 409,300</b>		<b>\$ 569,860</b>	<b>\$ 639,860</b>	<b>\$ 629,860</b>							
<b>Total Projected PWW QCPAC Capex for 2020 -</b>						<b>\$ 9,766,400</b>		<b>\$ 6,682,514</b>	<b>\$ 6,157,562</b>	<b>\$ 6,542,055</b>							
<b>Total Projected PWW QCPAC Capex for 2020 funded with Bonds -</b>						<b>\$ 9,211,025</b>		<b>\$ 6,306,605</b>	<b>\$ 5,643,453</b>	<b>\$ 5,994,446</b>							
<b>Total Projected PWW QCPAC Capex for 2020 funded with Drinking Water and Groundwater Trust Fund -</b>						<b>\$ 555,375</b>		<b>\$ 375,909</b>	<b>\$ 514,109</b>	<b>\$ 547,609</b>							
<b>Project Annual P&amp;I on 2020 QCPAC eligible Projects -</b>						<b>\$ 628,935</b>		<b>\$ 426,798</b>	<b>\$ 394,449</b>	<b>\$ 419,276</b>							
<b>Estimated Bond Terms (Bonds to be sold in April 2021) -</b>						<b>30</b>	<b>Years @</b>	<b>5.0%</b>	<b>\$ 399,190</b>	<b>\$ 401,264</b>	<b>\$ 367,115</b>	<b>\$ 389,947</b>					
<b>DWCTV Terms -</b>						<b>30</b>	<b>Years @</b>	<b>3.38%</b>	<b>\$ 29,744</b>	<b>\$ 27,534</b>	<b>\$ 27,534</b>	<b>\$ 29,328</b>					

1. Tax rate is the sum of the local community rate plus the Statewide Utility tax rate of 0.6661/1000.

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 (I)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since 2/9/2020
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	
2021 Meters (Growth) 5/8"-2" - Core & CWS (1BD)	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 DSRR	\$ 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	
Linwood Street	Replace 960 LF of 6 inch CI with 8 inch DIPCL				Future Financing Petition	\$ 284,000	Yes	Nashua	Yes	\$ 26.63	\$ 7,563	
Balcon 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	
Dardel 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	
Sandy Pond Spillway Improvements	Sandy 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	\$ -	
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	\$ -	
<b>Pennichuck Water Works Projected 2021 Total Capital Expenditure Budget -</b>						<b>\$ 10,557,000</b>					<b>\$ 257,759</b>	
<b>Projected Property Tax Expense associated with</b>												

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

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