

	DW16-806 Approved Step Revenue Requirements (11)		Requested QCPAC For 2017 Capital Additions pro formas		Requested QCPAC Surcharge for 2017 Capital Additions	Projected QCPAC For 2018 Capital Additions pro formas (7,8,14)	Projected QCPAC Surcharge for 2018 Capital Additions	DW19-084 PWW requested rate increase		QCPAC For 2019 Capital Additions pro formas (7,8)	QCPAC Surcharge for 2019 Capital Additions	QCPAC For 2020 Capital Additions pro formas (7,8)	QCPAC Surcharge for 2020 Capital Additions	QCPAC For 2021 Capital Additions pro formas (7,8)	QCPAC Surcharge for 2021 Capital Additions
City Bond Fixed Revenue Requirement (CBFRR)	\$7,729,032			\$	7,729,032	\$ -	7,729,032	\$ 7,729,032	\$ -	7,729,032	\$ 7,729,032	\$ -	7,729,032	\$ -	7,729,032
Operating Expense Revenue Requirement	\$16,442,012	(1)(11)	\$ 122,079	(4)	\$ 16,564,090	\$ 198,464	16,762,554	\$ 19,597,616	(11)(15)	\$ 481,139	\$ 20,078,755	\$ 262,509	\$ 20,341,263	\$ 267,440	\$ 20,608,703
Annual Principal and Interest Payments	\$6,218,648	(2)	\$365,418	(5)(10)	\$ 6,584,066	\$490,843	7,074,908	\$ 6,999,023		\$985,663	\$ 7,984,685	\$662,207	\$ 8,646,893	\$743,061	\$ 9,389,954
Principal and Interest Coverage Requirement	1.10	(3)			1.10		1.10	1.10			1.10		1.10		1.10
Principal and Interest Revenue Requirement	\$ 6,840,513				\$ 7,242,472		7,782,399	\$ 7,698,925			\$ 8,783,154		9,511,582		10,328,949
Proposed Revenue Requirement	\$ 31,011,556				\$ 31,535,594		32,273,985	\$ 35,025,573			\$ 36,590,941		37,581,877		38,666,684
Current Water Revenues excluding CBFRR	\$20,694,038				\$ 23,282,524		23,806,562				\$ 28,861,909		29,852,845		30,937,652
Add: City Bond Fixed Revenue Requirement	\$7,729,032				\$ 7,729,032		7,729,032				\$ 7,729,032		7,729,032		7,729,032
Current Water Revenues with CBFRR	\$ 28,423,070				\$ 31,011,556		31,535,594				\$ 36,590,941		37,581,877		38,666,684
Percent QCPAC Surcharge (9)					1.69%		2.38%				4.47%	(16)	2.83%		3.10%
Cumulative QCPAC Surcharge (13)							4.07%				4.47%		7.30%		10.40%
Cumulative QCPAC monthly increase in average single family residential bill					\$ 0.91		2.20				\$ 2.46		4.02		5.72
Average monthly single family residential bill with QCPAC					\$ 54.90		56.18				\$ 57.48		58.00		59.70

Notes:
(1) Operating Expense Revenue requirement is the sum of the Total Operating Expenses, Property Tax Expense, Amortization Expense and Payroll Tax Expenses approved in DW16-806
(2) Annual Principal and interest payments for PWW debt associated with all plant in service as approved in DW16-806
(3) Principal and interest coverage of 1.10 is as approved in DW16-806
(4) Reflects the net increase in property taxes associated with the plant placed in service between 1/1/2017 and 12/31/2017 that was not included in DW16-806.
(5) Portion of Annual Principal and interest payments for debt associated with plant placed in service between 1/1/2017 and 12/31/2017 based on a 30 year bond with an actual total all in interest rate of 4.898453% that was not recovered in DW16-806
(7) QCPAC operating expenses are based on the property taxes for plant added during the year
(8) QCPAC Principal and Interest expenses are based on 30 year bond with interest rate of 5.00% for 2019 through 2021 Capital Expenditures unless funding is via an SRF/DWGTf financing.
(9) QCPAC percent revenue surcharges based on increase in revenues from the step revenues granted in DW16-806
(10) Portion of QCPAC Principal and Interest associated with SRF loan of \$ 767,357 for 2017 work completed on Amherst Street project based on the fact that \$ 27,746.00 of P&I was recovered in DW16-806 \$ 25,178.00 of remaining P&I on this SRF loan to be collected via the QCPAC surcharge. The remaining P&I is based on the amortization schedule for this loan provided by the NHDES and is the P&I payment due the State in 2018 after principal forgiveness.
(11) Reduction in revenues associated with fixed contracts as follows: Hudson Annual Fixed Chg \$ 32,800 Milford Annual Fixed Chg \$ 81,000.00 A-B Annual Fixed Chg \$ 371,430.48
(12) QCPAC Principal and Interest expenses for DWGTf financing are based on a 30 year bond with interest rate of 3.38%
(13) Cumulative surcharge percentage is based on total surcharge revenues collected divided by the step revenues granted in DW16-806
(14) Portion of Annual Principal and interest payments for debt associated with plant placed in service between 1/1/2018 and 12/31/2018 based on a 30 year bond with an actual total all in interest rate of ##### Average Coupon rate as the all-in TIC (Total Interest Cost) for the \$ 8,250,000.00 which includes the 2018 capital project costs of \$ 8,229,376.70 plus Cost of Issuance and net Premium/Discount on the issued bonds.
(15) Operating expense revenues requested in DW19-084 less total Other Revenues of \$ 420,712
(16) QCPAC percent revenue surcharges based on requested revenues being sought in DW19-084

Impact on Single Family Residential Home:	DW16-806	DW19-084
Monthly meter charge granted in DW16-806, inclusive of Step increase -	\$ 22.58	\$ 24.35
Average Single Family Consumption (CCF) -	8.58	7.77
Consumption Charge granted in DW16.806, inclusive of Step increase -	\$ 3.66	\$ 3.95
Ave. Single Family monthly bill with rates granted in DW16-806, inclusive of step -	\$ 53.98	\$ 55.02

Assumes an GM metered customer class rate increase of 7.85% is granted in DW19-084

PWW 2019 QCPAC 2

Route 101 Widening, Bedford	Relocate Service to 3 Nashua Road	1702840	DW17-183	26,101	2/2/2018	No		\$ 67,400	\$ 116,205	Bedford	Yes	\$ 23.19	\$ 2,695	NHDOT project that was added in Spring of 2017. Partial reimbursement from NHDOT of \$26,010.89
Route 122 @ Nathan Lord Lane Water Main Relocation	Water Main Relocation to accommodate Town of Amherst Storm Drain installation	1715666	DW17-183	26,101	2/2/2018	No	\$ -	\$ 54,630	\$ 59,558	Amherst	Yes	\$ 30.30	\$ 1,805	Town of Amherst Storm Drain project added in Fall of 2017
Howard St. Emergency Main Replacement -	Howard St. Emergency Main Replacement -	1600371, 1601379							\$ 106,838	Nashua	Yes	\$ 29.82	\$ 3,186	Emergency project to replace failed 2" steel water main late in 2017.
Trimble Devices - Used for field locating Assets via GIS program	Upgrade to Ipad device driven units	1703027	DW17-183	26,101	2/2/2018	No	\$ 72,000	\$ 68,623	\$ 47,336	Merrimack	No			
Engineering Replacement Vehicles (2)	Replace 2 Vehicles	1702831, 1702832	DW14-130	25,734	11/7/2014	Yes	\$ 64,000	Pd 2014 Bonds	\$ -	Merrimack	No			P&I and property taxes recovered in DW16-806 Step Increase
Complete PWW Core System Hydraulic Model	Distribution Model Phase 2					Deferred. No Bond sought. No QCPAC sought.	\$ 25,000	\$ -						Project underway, will not be used and useful in 2017
PWW-PEU Interconnection - DW Highway to River	DW Highway to Merrimack River Booster station ¹					Deferred. No Bond sought. No QCPAC sought.	\$ 311,500	\$ -						Deferred to 2018 due to timing of final NHDES permitting
WTP - Conversion to LED Lighting	WTP - Conversion to LED Lighting					Deferred. No Bond sought. No QCPAC sought.	\$ 80,000	\$ -						Deferred, staff time not available to complete in 2017
Booster/Well/Chem Feed pump replacements	Booster/Well/Chem Feed pump replacements		DW14-130	25,735	11/7/2014	Partial		Pd 2014 Bonds		Derry	Yes	\$ 33.23	\$ -	P&I and property taxes recovered in DW16-806 Step Increase
Booster/Well/Chem Feed pump replacements	Booster/Well/Chem Feed pump replacements	Monthly 60, 61, 62, 63	DW17-183	26,101	2/2/2018	No	\$ 60,000	\$ 38,000	\$ 41,386	Derry	Yes	\$ 33.23	\$ 1,375	
Booster/Well/Chem Feed pump replacements	Replace VFD on Twin Ridge Well	1701888	DW17-183	26,101	2/2/2018	No		\$ 2,089	\$ 2,089	Plaistow	Yes	\$ 28.39	\$ 59	Budgeted under Booster/Well/Chem Feed pump replacement
Install/replace treatment systems in small CWS	Install/replace treatment systems in small CWS					Deferred. No Bond sought. No QCPAC sought.	\$ 15,000	\$ -						Budget place holder. No treatment system installs/replacement YTD
Misc. Structural Improvements	Misc. Structural Improvements					Deferred. No Bond sought. No QCPAC sought.	\$ 20,000	\$ -						Budget place holder. No structural improvements YTD
Harris Dam Spillway Reconstruction	Complete Harris Dam Spillway Reconstruction	1701987							\$ 6,018	Nashua	Yes	\$ 29.82	\$ 179	
Replace Vehicle #62	Replace 11 year old truck with 107,863 miles		DW17-183	26,101	2/2/2018	No	\$ 60,000	\$ 45,000						A new vehicle was purchased and this vehicle was retained and kept in service. #99 was retired.
Replace Vehicle #49	Replace 7 year old truck with 104,875 miles	1800462	DW17-183	26,101	2/2/2018	No	\$ 35,000	\$ 35,000	\$ 27,323	Nashua	No			Retired #49
Replace vehicle #204	Replace 6 year old truck with 175,260 miles	1800481	DW17-183	26,101	2/2/2018	No	\$ 60,000	\$ 45,000	\$ 42,678	Nashua	No			Change from beginning of budget year as to type of vehicle being replaced. #204 retired.
Replace Vehicle #63	Replace 7 year old truck with 110,249 miles		DW17-183	26,101	2/2/2018	No	\$ 35,000	\$ 35,000						Retired #63
Replace Vehicle #44	Replace 8 year old truck with over 130,000 miles	1800479							\$ 42,678	Nashua	No			Retired #44
New Vehicle #119	New Water Supply Vehicle, no replacement	1704173	DW17-183	26,101	2/2/2018	No	\$ -	\$ 63,038	\$ 62,282	Nashua	No			No vehicle retired.
Replace Vehicle #99	Replace 11 year old truck with over 140,000 miles	1800480	DW17-183	26,101	2/2/2018	No			\$ 27,323	Nashua	No			Retired #99
Replace Vehicle #46	Add utility body to vehicle #46	1703002	DW17-183	26,101	2/2/2018	No			\$ 2,071	Nashua	No			No vehicle retired.
Install overhead crane and door-WTP process area	Install overhead crane and door-WTP process area	1701887, 1719861	DW17-183	26,101	2/2/2018	No	\$ 75,000	\$ 75,000	\$ 45,731	Nashua	Yes	\$ 29.82	\$ 1,364	Design cost for WTP crane and door. Door is used and useful.
Merrimack River Station pump/motor rebuild	Merrimack River Station pump/motor rebuild		DW17-183	26,101	2/2/2018	No	\$ 75,000	\$ 25,000					\$ -	Project deferred until 2018
Misc. equipment purchases	WTP misc. equipment purchases						\$ 25,000	\$ -						
Misc. equipment purchases	Purchase New Electric Multi-Meter	1715547	DW17-183	26,101	2/2/2018	No		\$ 1,500	\$ 1,500	Nashua	No		\$ -	Budgeted under WTP Misc equipment purchased
THM precursor control at Bon Terrain Tank	Install mixer in Bon Terrain Tank	1703024	DW17-183	26,101	2/2/2018	No		\$ 2,600	\$ 2,600	Amherst	Yes	\$ 30.30	\$ 79	Budgeted under WTP Misc equipment purchased
Replace VFD on Sludge Chopper Pump at WTP	Replace VFD on Sludge Chopper Pump at WTP	1707190	DW17-183	26,101	2/2/2018	No		\$ 3,503	\$ 3,503	Nashua	Yes	\$ 29.82	\$ 104	Budgeted under WTP Misc equipment purchased
WTP - Replace 30" IP Discharge Meter	WTP - Replace 30" IP Discharge Meter	1701885	DW17-183	26,101	2/2/2018	No		\$ 17,177	\$ 17,177	Nashua	Yes	\$ 29.82	\$ 512	Budgeted under WTP Misc equipment purchased
Purchase new lab equipment	Purchase new lab equipment					Deferred. No Bond sought. No QCPAC sought.	\$ 15,000	\$ -						
Purchase new lab equipment	Hanna Titrator	1707187	DW17-183	26,101	2/2/2018	No		\$ 5,900	\$ 5,900	Nashua	No			Budgeted under Purchase new lab equipment
WTP structural/HVAC	Replaced Compressor on A/C Unit FWPS	1708347	DW17-183	26,101	2/2/2018	No	\$ 10,000	\$ 5,568	\$ 5,568	Nashua	Yes	\$ 29.82	\$ 166	
Misc Security upgrades for remote facilities	Misc. Fencing/Security Projects					Deferred. No Bond sought. No QCPAC sought.	\$ 25,000	\$ -						Budget place holder. No Misc. Fencing/Security Projects YTD
Complete Fencing around WTP for Security	Perimeter fencing at WTP	1706963	DW17-183	26,101	2/2/2018	No	\$ 80,000	\$ 5,588	\$ 5,588	Nashua	Yes	\$ 29.82	\$ 167	Main Gate opening mechanism replaced. Fencing deferred
Replace Clarifier (2)Vacuum Blowers and Actuators	Replace Clarifier (2)Vacuum Blowers and Actuators					Deferred. No Bond sought. No QCPAC sought.	\$ 25,000	\$ -						Deferred
Misc. SCADA Electrical upgrades	Misc. SCADA Electrical					Deferred. No Bond sought. No QCPAC sought.	\$ 30,000	\$ -						Budget Place Holder. See below for actual projects
Misc. SCADA Electrical upgrades	Valleyfield - Install Cellular Communication	1701886	DW17-183	26,101	2/2/2018	No	\$ -	\$ 5,000	\$ 3,249	Plaistow	Yes	\$ 28.39	\$ 92	Budgeted under Misc. SCADA Electrical upgrades
Misc. SCADA Electrical upgrades	Install Cellular Communication, Cabot Preserve	1716549	DW17-183	26,101	2/2/2018	No			\$ 2,642	Bedford	Yes	\$ 23.19	\$ 61	Project added to allow remote monitoring of water system
Hi-Lo Generator	Hi-Lo Generator	1701899	DW17-183	26,101	2/2/2018	No			\$ 47,332	Derry	Yes	\$ 33.23	\$ 1,573	Permanent standby generator added on site at this Community Water System.
Armory Street Booster Pump VFD replacements	Replace failed VFD's on Armory Street Booster Pumps	1719862	DW17-183	26,101	2/2/2018	No	\$ -	\$ 23,500	\$ -	Nashua	Yes	\$ 29.82	\$ -	Budgeted under Misc. SCADA Electrical upgrades
Misc. SCADA Electrical upgrades	Replace all SCADA Computers and Upgrade System	1701889	DW17-183	26,101	2/2/2018	No	\$ -	\$ 43,000	\$ 19,990	Nashua	Yes	\$ 29.82	\$ 596	Unbudgeted. Security upgrades required hardware replacement
Well Rehabilitations (3)	Well Rehabilitations					Deferred. No Bond sought. No QCPAC sought.	\$ 60,000	\$ -					\$ -	Budget place holder. No Well Rehabilitation Projects YTD
WTP Closed Circuit Camera replacement/improvements	Closed Circuit Camera replacement/improvements					Deferred. No Bond sought. No QCPAC sought.	\$ 60,000	\$ -						Deferred
WTP - Replace storefront glass, renovate WTP reception	Replace storefront glass, renovate WTP reception					Deferred. No Bond sought. No QCPAC sought.	\$ 50,000	\$ -						Deferred
Office renovation-conference room	Office renovation-conference room					Deferred. No Bond sought. No QCPAC sought.	\$ 50,000	\$ -						Deferred
Water Supply - Watershed Public Education	Fertilization / Pesticide - Phase 1					Deferred. No Bond sought. No QCPAC sought.	\$ 20,000	\$ -						Will not be completed until 2018
Stormwater BMP Notifications and Community Education	Stormwater BMP Notifications and Community Education					Deferred. No Bond sought. No QCPAC sought.	\$ 12,000	\$ -						Will not be completed until 2018
St. Joseph's Land Purchase	Watershed protection	1503675	DW17-183	26,101	2/2/2018	No			\$ 69,790	Nashua	Yes	\$ 29.82	\$ 2,081	Project started in 2015. Land purchased from local hospital. Land adjacent to Supply Pond.
Secure reception area	Office Security for Front Reception Desk	1708425	DW17-183	26,101	2/2/2018	No	\$ 10,000	\$ 20,990	\$ 18,824	Merrimack	No			Original estimate did not include bullet proof glass and other security features
Adjustable Desk Tops	Accommodate back issues	1713759	DW17-183	26,101	2/2/2018	No	\$ -	\$ 6,088	\$ 6,088	Merrimack	No			
Asset Management - Phase 3	Asset Management 2016 Carry over	1600061	DW17-183	26,101	2/2/2018	No	\$ 200,000	\$ 200,000	\$ 161,590	Merrimack	Yes	\$ 28.17	\$ 4,552	
Conversion to R.A.M. Fixed Assets carry-over	Conversion to R.A.M. Fixed Assets carry-over	1707349	DW17-183	26,101	2/2/2018	No	\$ 11,000	\$ 11,000	\$ 6,929	Merrimack	No	\$ -	\$ -	
Firewall	Firewall replacement	1702081	DW17-183	26,101	2/2/2018	No	\$ 50,000	\$ 36,426	\$ 28,228	Merrimack	No			
Asset Management - Phase 4	Continue progress on Asset Management implementation	1700300	DW17-183	26,101	2/2/2018	No	\$ 736,000	\$ 350,000	\$ 492,133	Various	Yes	\$ 28.85	\$ 14,198	Reduced level of work than budgeted due to staff time diverted to PFOA response
Click Mobile Upgrade	Upgrade ClickMobile to work on iPads	1707189	DW17-183	26,101	2/2/2018	No	\$ 150,000	\$ 5,400					\$ -	2016 Work completed. 2017 work deferred until 2018
Click Mobile Upgrade	Purchase iPads for ClickMobile Platform	1702223	DW17-183	26,101	2/2/2018	No	\$ -	\$ 5,160	\$ 5,160	Various	Yes	\$ 28.85	\$ 149	Budgeted for under Upgrade ClickMobile to work on iPads
Infoview upgrade	Upgrade Infoview to the latest version	1702224	DW17-183	26,101	2/2/2018	No	\$ 5,000	\$ 3,150	\$ 3,150	Various	Yes	\$ 28.85	\$ 91	
Exchange Upgrade	Upgrade Exchange to the latest version		DW17-183	26,101	2/2/2018	No	\$ 31,000	\$ 20,420					\$ -	Deferred
Retention Archive Solution	Infrastructure to Archive older stagnant files					Deferred. No Bond sought. No QCPAC sought.	\$ 80,000	\$ -						Deferred until 2018
Munis Enhancements	Bill prints/forms, Forms import, Click-Munis import, CSS and Dashboard/Central					Deferred. No Bond sought. No QCPAC sought.	\$ 180,000	\$ -						Waiting for vendor acceptance of software enhancements
Miscellaneous Software						Deferred. No Bond sought. No QCPAC sought.	\$ 15,000	\$ -						Budget place holder.
Miscellaneous Software	Upgrade Synergyn/WAM		DW17-183	26,101	2/2/2018	No	\$ -	\$ 10,386						Budgeted for under Misc. Software
Miscellaneous Software	Backflow Data Collection software	1707208	DW17-183	26,101	2/2/2018	No	\$ -	\$ 6,700	\$ 5,400	Merrimack	No			Budgeted for under Misc. Software
Miscellaneous Software	Munis - Enhancements - SDS Replacement	1502439	DW17-183	26,101	2/2/2018	No			\$ 18,700	Merrimack	No			Budgeted for under Misc. Software
Miscellaneous Software	PDF Converter Software	1614048	DW17-183	26,101	2/2/2018	No			\$ 3,994	Merrimack	No			Required to make website ADA compliant
Miscellaneous Hardware						Deferred. No Bond sought. No QCPAC sought.	\$ 18,000	\$ -						Budget place holder. No Misc. Hardware purchased YTD
Miscellaneous Hardware	LTO6 Tape Drive #2	1617689	DW17-183	26,101	2/2/2018	No			\$ 19,395	Merrimack	No			
Network Infrastructure	Replacement of virtual servers and network switch stack. Existing hardware no longer supported.	1716547	DW17-183	26,101	2/2/2018	No			\$ 113,424	Merrimack	No			
LIMS upgrade	Upgrade to Laboratory Information Systems software					Deferred. No Bond sought. No QCPAC sought.	\$ 11,000	\$ -						Release of new version delayed until 2018
Badge Swipe for IT Area	Allow for tracking of traffic after hours into IT area - Security					Deferred. No Bond sought. No QCPAC sought.	\$ 2,000	\$ -						Project cancelled for 2017
Digsafe into Click	Track Dig safe work order time electronically					Deferred. No Bond sought. No QCPAC sought.	\$ 2,000	\$ -						Project cancelled for 2017
Website Upgrades & Updates	Update Website. Enhance customer useability	1704175	DW17-183	26,101	2/2/2018	No	\$ 36,000	\$ 21,700	\$ 13,250	Merrimack	No			
IT Security Project	ISO 27001 Equivalency Project	1707186	DW17-183	26,101	2/2/2018	No	\$ -	\$ 40,500	\$ 31,555	Merrimack	No			Evaluation of IT infrastructure for security
Physical Server for Autodesk Revit						Deferred. No Bond sought. No QCPAC sought.	\$ 8,000	\$ -					\$ -	Deferred
Physical Server for Pearl						Deferred. No Bond sought. No QCPAC sought.	\$ 12,000	\$ -					\$ -	Deferred
Investment in Developer Installed Services	One times revenue tariffed amount		DW14-130	25,735	11/7/2014	Partial	\$ -	Pd 2014 Bonds						P&I and property taxes recovered in DW16-806 Step Increase
Investment in Developer Installed Services	One times revenue tariffed amount		DW17-183	26,101	2/2/2018	No	\$ -	\$ 36,000	\$ 43,903	Various	Yes	\$ 28.85	\$ 1,267	Tariffed investment amount not in original capital budget

Total Projected 2017 PWW Capital Ex \$ 9,729,000 \$ 4,163,760 \$ 6,058,766
Amount to be funded with April 2018 Bond issue - \$ 5,291,409
Amount to be funded with Amherst Street Project SRF loan - \$ 767,357

Projected Property Tax - \$ 122,079

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.	Approved Budgeted Amount	Estimated Project Cost as of 6/30/2018	Estimated Project Cost as of 9/30/2018	Estimated Project Cost as of 11/30/2018	Final Project cost as of 12/31/2018	Community	Taxable	Tax Rate (t)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since 1/30/2018
Replace Forman Truck	Existing Truck has been a safety and maintenance problem	1708351 & 1813525	2019 Docket	\$ 90,000	\$ 97,685	\$ 120,756	\$ 120,756	\$ 92,018	Merrimack	No	\$ 28.92	\$ -	Additional labor, metal and other hardware to properly outfit the truck. Project reduced by \$16,000 for trade in value.
Single Family New Services	Single Family, Owner Build, New Homes	20 workorders	2019 Docket	\$ 46,000	\$ 46,000	\$ 46,000	\$ 37,403	\$ 40,850	Various	Yes	\$ 28.40	\$ 1,160	10 New Services installed in 2018
Renewed Services	Replacement of failed services	workorders	2019 Docket	\$ 92,000	\$ 92,000	\$ 37,758	\$ 40,000	\$ 47,818	Various	Yes	\$ 28.40	\$ 1,358	18 failed services replaced in 2018.
Hydrants	Replacement of non functional hydrants (Run rate) (8 YTD)	30 & 31 workorders	2019 Docket	\$ 50,000	\$ 50,000	\$ 50,000	\$ 45,000	\$ 35,560	Various	Yes	\$ 28.40	\$ 1,010	8 failed hydrants replaced in 2018.
Valve Replacements	Replacement of Failed Gate Valves	12 & 13	2019 Docket	\$ 30,000	\$ 30,000	\$ 20,000	\$ 32,000	\$ 14,412	Various	Yes	\$ 28.40	\$ 409	5 failed gate valves replaced in 2018.
Replace failed meter reading radios	Replace out of warrantee failed radio meter readers	54 workorders	2019 Docket	\$ 50,000	\$ 50,000	\$ 50,000	\$ 60,000	\$ 46,153	Various	Yes	\$ 28.40	\$ 1,311	602 failed radios replaced in 2018.
New Meters (growth) 5/8"-2" (CORE & CWS)	New meters for new customers.	50 workorders	2019 Docket	\$ 114,000	\$ 114,000	\$ 40,000	\$ 40,000	\$ -	Various	Yes	\$ 28.40	\$ -	2,303 new meters installed in 2018. The new meters installed were for new customers and also to replace meters that had lead content in excess of 0.25% by weight of the brass meter body.
New Meters for Lead Meter exchanges (PWW-CORE & CWS) 5/8"-6"	Replace High lead brass meter with new no lead brass meter (2071 YTD)	50 workorders	2019 Docket	\$ 532,000	\$ 532,000	\$ 360,000	\$ 340,000	\$ 326,902	Various	Yes	\$ 28.40	\$ 9,284	
Ferromagnetic Pipe locators (3)	Ongoing small equipment replacement - run rate	-	2019 Docket	\$ 10,000	\$ 10,000	\$ 10,000	\$ -	\$ -	Merrimack	No	\$ 28.92	\$ -	Purchase deferred until 2019
Service Truck replacement (#76)	Replace 2008 Pick up with 156,000+ miles	1900417	2019 Docket	\$ 60,000	\$ 60,000	\$ 60,000	\$ 61,905	\$ 61,905	Merrimack	No	\$ 28.92	\$ -	
1 Service Truck - New	Service Truck for 1 new ops employees	1900416	2019 Docket	\$ 35,000	\$ 35,000	\$ 35,000	\$ 62,215	\$ 62,215	Merrimack	No	\$ 28.92	\$ -	Vehicle spec was changed to Heavy Duty Quad Cab
Replacement of Meter Supervisor Truck (#14)	Replace 7 year old pick up with 167,000+ miles with small SUV	1825491	2019 Docket	\$ 28,000	\$ 28,000	\$ 28,000	\$ 31,563	\$ 25,563	Merrimack	No	\$ 28.92	\$ -	Project reduced by \$6,000 for trade in value.
Replace Valve/vac trailer unit	Existing unit has reach the end of its usable life	-	2019 Docket	\$ 65,000	\$ 65,000	\$ -	\$ -	\$ -	Merrimack	No	\$ 28.92	\$ -	Project deferred until 2019
Trimble units for Meter Reading (6 units)	Replace CF meter reading equipment	1830144	2019 Docket	\$ 39,000	\$ 39,000	\$ 48,000	\$ 58,829	\$ 56,829	Merrimack	No	\$ 28.92	\$ -	
Pipe Saws (5)	Ongoing small equipment replacement - run rate	1819287	2019 Docket	\$ 6,000	\$ 6,000	\$ 5,900	\$ 5,900	\$ 5,900	Merrimack	No	\$ 28.92	\$ -	
Metal Detectors (6)	Ongoing small equipment replacement - run rate	-	2019 Docket	\$ 7,000	\$ 7,000	\$ 7,000	\$ -	\$ -	Merrimack	No	\$ 28.92	\$ -	Purchase deferred until 2019
Add Air Conditioning to Mechanics Bay	Security Project	1805724	2019 Docket	\$ 52,000	\$ 62,641	\$ 62,641	\$ 62,641	\$ 62,641	Merrimack	Yes	\$ 28.92	\$ 1,812	Updated quotes with higher materials cost, steel surcharge & Freight.
Four trench boxes	Replace 22 year old trench boxes	1818578	2019 Docket	\$ 20,000	\$ 22,456	\$ 22,456	\$ 22,456	\$ 22,456	Merrimack	No	\$ 28.92	\$ -	
Vehicle Lift Replacement	Replace 9000lb Ammono lift with new 12000lb Rotary Lift in Mechanic's Bay	1805726	2019 Docket	\$ -	\$ -	\$ 7,974	\$ 7,974	\$ 7,974	Merrimack	Yes	\$ 28.92	\$ 231	
Utility Truck	Replace Vehicle #4 2011 F-350 w/ 140,000 miles and higher maintenance needs	-	2019 Docket	\$ -	\$ -	\$ 65,000	\$ 62,215	\$ -	Merrimack	No	\$ 28.92	\$ -	Purchase deferred until 2019
Utility Van	Replace Vehicle #72 2011 Ford E-2500 Van - High mileage & maintenance costs	1826440	2019 Docket	\$ -	\$ -	\$ 35,000	\$ 31,648	\$ 32,052	Merrimack	No	\$ 28.92	\$ -	2019 Capital Budget item moved to 2018
Utility Van	Replace Vehicle #27 2011 Ford E-2500 Van - High Mileage & maintenance costs	1826439	2019 Docket	\$ -	\$ -	\$ 35,000	\$ 31,704	\$ 32,897	Merrimack	No	\$ 28.92	\$ -	2019 Capital Budget item moved to 2018
Utility Van	Replace Vehicle #26 2011 Ford E-2500 Van - high mileage & maintenance costs	1826438	2019 Docket	\$ -	\$ -	\$ 35,000	\$ 31,740	\$ 32,097	Merrimack	No	\$ 28.92	\$ -	2019 Capital Budget item moved to 2018
Road Plates (2)	8x8 and 8x10 1" Steel Road Plates	1830146	2019 Docket	\$ -	\$ -	\$ 5,500	\$ 5,380	\$ 5,380	Merrimack	No	\$ 28.92	\$ -	2019 Capital Budget item moved to 2018
Interconnection of BWC (Bedford) to PWW	Interconnection of BWC (Bedford) to PWW	1800734	2019 Docket	\$ 85,000	\$ 310,000	\$ 310,000	\$ 310,000	\$ 258,923	Bedford	Yes	\$ 24.76	\$ 6,411	Original budget done prior to design; increased scope of work to remove all AC water main from Back River Rd.
Elm St	Replace 1570 LF of 8 & 6 inch CI with 12 inch DIPCL	1812907	2019 Docket	\$ 416,000	\$ -	\$ -	\$ -	\$ -	Nashua	Yes	\$ 27.81	\$ -	City Sewer delayed until 2019
Monroe Street	Replace 485 LF of 4 inch (HDPE,CI) with 8 inch DIPCL	1812908	2019 Docket	\$ 122,000	\$ -	\$ -	\$ -	\$ -	Nashua	Yes	\$ 27.81	\$ -	City Sewer delayed until 2019
West Pearl Street	Replace 325 LF of 8 inch CI with 8 inch DIPCL	1812909	2019 Docket	\$ 100,000	\$ -	\$ -	\$ -	\$ -	Nashua	Yes	\$ 27.81	\$ -	City Sewer delayed until 2019
Gillis St	Residual paving from prior year main replacement	1812910	2019 Docket	\$ 143,000	\$ 66,000	\$ 60,000	\$ 61,887	\$ 61,887	Nashua	Yes	\$ 27.81	\$ 1,721	Restoration turned over to City of Nashua with multiple utilities contributing
Orange St (Concord St to Lock St)	Residual paving from prior year main replacement	1812911	2019 Docket	\$ 96,000	\$ 96,000	\$ 65,000	\$ 98,236	\$ 98,236	Nashua	Yes	\$ 27.81	\$ 2,732	Based on revised paving contribution estimate
Temple Street	Residual paving from prior year main replacement	1812923	2019 Docket	\$ -	\$ 20,000	\$ 20,000	\$ 20,000	\$ -	Nashua	Yes	\$ 27.81	\$ -	Residual Paving Costs still outstanding at end of 2018
Buchanan St	Residual paving from prior year main replacement	1800533	2019 Docket	\$ 36,600	\$ 36,600	\$ 38,000	\$ 33,330	\$ 33,330	Nashua	Yes	\$ 27.81	\$ 927	
Lincoln Ave	Residual paving from prior year main replacement	1813071 & 1807532	2019 Docket	\$ 52,300	\$ 52,300	\$ 54,000	\$ 70,337	\$ 69,988	Nashua	Yes	\$ 27.81	\$ 1,946	
Nutt St	Residual paving from prior year main replacement	1812912	2019 Docket	\$ 39,600	\$ 39,600	\$ 41,000	\$ 29,134	\$ 29,134	Nashua	Yes	\$ 27.81	\$ 810	
Girle Ave	Residual paving from prior year main replacement	1812913	2019 Docket	\$ 11,000	\$ 11,000	\$ 19,140	\$ 9,136	\$ 9,136	Nashua	Yes	\$ 27.81	\$ 254	
Pratt St	Residual paving from prior year main replacement	1812914	2019 Docket	\$ 47,000	\$ 47,000	\$ 49,000	\$ 46,218	\$ 46,218	Nashua	Yes	\$ 27.81	\$ 1,285	
Zellwood Ave	Residual paving from prior year main replacement	1812915	2019 Docket	\$ 25,000	\$ 25,000	\$ 27,000	\$ 26,076	\$ 26,077	Nashua	Yes	\$ 27.81	\$ 725	
Faxon St	Residual paving from prior year main replacement	1812916	2019 Docket	\$ 6,000	\$ 6,000	\$ 7,000	\$ -	\$ -	Nashua	Yes	\$ 27.81	\$ -	Residual Paving Costs still outstanding at end of 2018
Fifield St	Residual paving from prior year main replacement	1812917 & 1806835	2019 Docket	\$ 4,400	\$ 4,400	\$ 6,400	\$ 28,673	\$ 59,273	Nashua	Yes	\$ 27.81	\$ 1,648	
Fowell Ave	Residual paving from prior year main replacement	1807533	2019 Docket	\$ 59,400	\$ 59,400	\$ 61,000	\$ 57,308	\$ 57,369	Nashua	Yes	\$ 27.81	\$ 1,595	
Terrace Street	Residual paving from prior year main replacement	1812918	2019 Docket	\$ 5,200	\$ 5,200	\$ 5,200	\$ -	\$ -	Nashua	Yes	\$ 27.81	\$ -	Residual Paving Costs still outstanding at end of 2018
Beard St	Residual paving from prior year main replacement	1812919	2019 Docket	\$ 16,100	\$ 17,700	\$ 17,700	\$ -	\$ -	Nashua	Yes	\$ 27.81	\$ -	Residual Paving Costs still outstanding at end of 2018
Green St	Residual paving from prior year main replacement	1812920	2019 Docket	\$ 3,100	\$ 3,100	\$ 3,100	\$ -	\$ -	Nashua	Yes	\$ 27.81	\$ -	Residual Paving Costs still outstanding at end of 2018
Warren St	Residual paving from prior year main replacement	1807535	2019 Docket	\$ 11,000	\$ 11,000	\$ 11,000	\$ -	\$ -	Nashua	Yes	\$ 27.81	\$ -	Residual Paving Costs still outstanding at end of 2018
Lowell St	Residual paving from prior year main replacement	1812921	2019 Docket	\$ 23,000	\$ 23,000	\$ 23,000	\$ -	\$ -	Nashua	Yes	\$ 27.81	\$ -	Residual Paving Costs still outstanding at end of 2018
Lemon St	Residual paving from prior year main replacement	1812922	2019 Docket	\$ 4,400	\$ 4,400	\$ 4,400	\$ 4,400	\$ -	Nashua	Yes	\$ 27.81	\$ -	Residual Paving Costs still outstanding at end of 2018
Lawndale Ave	Residual paving from prior year main replacement	1900349	2019 Docket				\$ 8,193	\$ 8,193	Nashua	Yes	\$ 27.81	\$ 228	
Main Street	Residual paving from prior year main replacement	xxxx	2019 Docket				\$ 6,402	\$ -	Nashua	Yes	\$ 27.81	\$ -	Residual Paving Costs still outstanding at end of 2018
Mulvanity St - Emergency Replacement	Residual paving from prior year main replacement	1812925	2019 Docket	\$ 51,700	\$ 21,670	\$ 21,670	\$ 21,670	\$ 20,101	Nashua	Yes	\$ 27.81	\$ 559	Paving shared with other impacted Utilities and City
Proctor Street Emergency Replacement	Residual paving from prior year main replacement	1812924	2019 Docket	\$ -	\$ 11,600	\$ 11,600	\$ 10,896	\$ 10,896	Nashua	Yes	\$ 27.81	\$ 303	
Reserve for Contingent Liability for Paving Costs	Reserve for Contingent Liability for Paving Costs	n/a	2019 Docket	\$ (634,800)	\$ (634,800)	\$ (634,800)	\$ -	\$ -	Nashua	No	\$ 27.81	\$ -	Contingent Paving obligation paid
Asset Management	Asset Management	1800341	2019 Docket	\$ 330,000	\$ 561,000	\$ 461,000	\$ 380,000	\$ 386,820	Various	Yes	\$ 28.40	\$ 10,986	Reduced based on anticipated work to be completed in 2018
Asset Management - Outside GIS Consulting Services	Outside GIS Consulting Services	1800341	2019 Docket	\$ 73,000	\$ 73,000	\$ -	\$ -	\$ -	Various	No	\$ 28.40	\$ -	Carried in Asset Management Budget
Asset Management - Water Modeling Consulting	Water Modeling Consulting	1800341	2019 Docket	\$ 50,000	\$ 50,000	\$ 10,000	\$ 10,000	\$ -	Various	No	\$ 28.40	\$ -	Used on an as-needed basis
Asset Management - Trimble R2 Units	Trimble R2 Units	1800341	2019 Docket	\$ 13,000	\$ -	\$ -	\$ -	\$ -	Various	Yes	\$ 28.40	\$ -	Replacement not needed in 2018
Asset Management - Water Level Well Monitoring Equip	Water Level Well Monitoring Equipment	1800341	2019 Docket	\$ 5,000	\$ 5,000	\$ -	\$ -	\$ -	Various	No	\$ 28.40	\$ -	Replacement not needed in 2018
Gilman Street	Replace 1470 LF of 8 inch CI with 12 inch DIPCL	1806433	2019 Docket	\$ 475,100	\$ 435,000	\$ -	\$ -	\$ -	Nashua	Yes	\$ 27.81	\$ -	Project deferred until 2019
Ritter Street	Replace 500LF of 6 inch CI with 12 inch DIPCL	1702858 & 1806828	2019 Docket	\$ 161,500	\$ 215,000	\$ 225,000	\$ 191,000	\$ 168,793	Nashua	Yes	\$ 27.81	\$ 4,694	
Woodward Street	Replace 300 LF of 6 inch CI with 12 inch DIPCL	1702857 & 1806829	2019 Docket	\$ 95,300	\$ 110,000	\$ 130,000	\$ 142,373	\$ 145,417	Nashua	Yes	\$ 27.81	\$ 4,044	Increased due to conditions encountered during construction and additional temporary paving
Factory Street	Replace 625 LF of 8 inch and 950 LF CI 950 LF of 16 inch DIPCL	1702836 & 1806830	2019 Docket	\$ 487,000	\$ 520,000	\$ 540,000	\$ 602,707	\$ 607,926	Nashua	Yes	\$ 27.81	\$ 16,906	Increased due to conditions encountered during construction and additional temporary paving
Pennichuck Street	Replace 100 LF of 12 inch CI with 12 inch DIPCL	1720993 & 1806831	2019 Docket	\$ 39,900	\$ 42,000	\$ 76,000	\$ 76,000	\$ 78,146	Nashua	Yes	\$ 27.81	\$ 2,173	Increased due to conditions encountered during construction and additional temporary paving
Early Street	Replace 385 LF of 6" CI with 8" DIPCL	1806836	2019 Docket	\$ -	\$ 119,000	\$ 119,000	\$ 161,436	\$ 161,622	Nashua	Yes	\$ 27.81	\$ 4,495	Added to Misc Replacements to improve fire protection near hospital
Fossa Avenue	Replace 310 LF of 6 inch CI and 2 PVC with 6 inch and 4 inch DIPCL	1720991 & 1806801	2019 Docket	\$ 46,200	\$ 38,346	\$ 38,346	\$ 115,917	\$ 114,888	Nashua	Yes	\$ 27.81	\$ 3,195	Reduce based on bid numbers does not include final paving
Russell Avenue	Replace 775 LF of 8 inch and 275 LF of 6 inch CI with 775 LF of 8 inch and 225 LF of 4 inch DIPCL	1806802	2019 Docket	\$ 237,800	\$ 197,374	\$ 197,374	\$ 255,478	\$ 256,860	Nashua	Yes	\$ 27.81	\$ 7,143	Final Paving completed in 2018
Taylor Street (Main St to Lynn)	Replace 2084 LF of 6 inch CI with 8 inch DIPCL	1806803	2019 Docket	\$ 171,800	\$ 142,594	\$ 152,600	\$ 651,368	\$ 651,468	Nashua	Yes	\$ 27.81	\$ 18,117	Amount of replacement plipr increased from 790 LF to 2084 LF, includes final paving
Burnett Street	Replace 535 LF of 6 inch CI with 12 inch DIPCL	1806804	2019 Docket	\$ 172,800	\$ 143,424	\$ 143,424	\$ 203,565	\$ 203,647	Nashua	Yes	\$ 27.81	\$ 5,663	Final Paving completed in 2018
Field Street	Replace 325 LF of 6 inch CI with 6 inch DIPCL	1806435	2019 Docket	\$ 71,700	\$ 59,511	\$ 59,511	\$ 67,384	\$ 67,483	Nashua	Yes	\$ 27.81	\$ 1,877	Final Paving completed in 2018
Fernwood Street	Replace 450 LF of 6 inch CI with 6 inch DIPCL	1806794	2019 Docket	\$ 159,000	\$ 131,970	\$ 131,970	\$ 113,479	\$ 113,579	Nashua	Yes	\$ 27.81	\$ 3,159	Final Paving completed in 2018
Revere Street	Replace 760 LF of 6 inch CI with 8 inch DIPCL	1806795	2019 Docket	\$ 191,000	\$ 158,530	\$ 158,530	\$ 182,994	\$ 183,064	Nashua	Yes	\$ 27.81	\$ 5,091	Final Paving completed in 2018
Stevens Street	Replace 760 LF of 8 inch CI and 160 LF of 6 inch CI with 760 LF of 8 inch and 160 LF of 4 inch DIPCL	1806797	2019 Docket	\$ 40,000	\$ 33,200	\$ 40,200	\$ 264,258	\$ 264,358	Nashua	Yes	\$ 27.81	\$ 7,352	The \$40,200 in the Board approved budget was a copy and paste error. The correct budget for this project based on the distribution engineer's original estimate was \$xxx,xxx
Evergreen Street	Replace 310 LF of 1.5 and 1.25 inch CI with 4 inch DIPCL	1806798	2019 Docket	\$ 69,300	\$ 57,519	\$ 57,519	\$ 71,595	\$ 71,695	Nashua	Yes	\$ 27.81	\$ 1,994	Final Paving completed in 2018
Morton Street	Replace 290 LF of 1.5 inch CI with 550 LF of 4 inch DIPCL	1806799	2019 Docket	\$ 94,000	\$ 78,020	\$ 78,020	\$ 103,934	\$ 104,035	Nashua	Yes	\$ 27.81	\$ 2,893	Final Paving completed in 2018
Park Avenue	Replace 300 LF of 8 inch CI and 160 LF of 2 inch CI with 300 LF of DIPCL and 160 LF of 4 inch DIPCL	1806796	2019 Docket	\$ 132,000	\$ 109,560	\$ 109,560	\$ 180,970	\$ 180,796	Nashua	Yes	\$ 27.81	\$ 5,028	Final Paving completed in 2018. Original budget assumed paving would be completed in 2019.
Coburn Woods (all side streets)	Replace 4400 LF of 2 inch PVC with 4 inch DIPCL	n/a	2019 Docket	\$ 1,024,400	\$ -	\$ -	\$ -	\$ -	Nashua	Yes	\$ 27.81	\$ -	Deferred to future, time frame undetermined
Northwest High Pressure System Improvements	Looping of dead end mains. Parallel watermain required to rebuild Kessler Tank	-	2019 Docket				\$ -	\$ -				\$ -	Project needed to be deferred to complete other water main replacement projects that came up in 2018
Northwest High Pressure System Improvements	Add 2700 LF of 24 inch DIPCL on Manchester St.	1806805	2019 Docket	\$ 600,000	\$ -	\$ -	\$ -	\$ -	Nashua	Yes	\$ 27.81	\$ -	Deferred to 2019 to take advantage of low interest DWGTF Loan - design and survey
Northwest High Pressure System Improvements	Add 2200 LF of 12 inch DIPCL to close loop between Rte 101A and Rte 121 (Amherst)	1806810	2019 Docket	\$ 500,000	\$ -	\$ -	\$ -	\$ -	Amherst				

Project Name/Description	Project Description	Work Order #	Financing Docket No.	Approved Budgeted Amount	Estimated Project Cost as of 6/30/2018	Estimated Project Cost as of 9/30/2018	Estimated Project Cost as of 11/30/2018	Final Project cost as of 12/31/2018	Community	Taxable	Tax Rate (I)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since 1/30/2018
Northwest High Pressure System Improvements	Replace 1300 LF of 12 inch AC with 1300 LF of 24 inch DIPCL along Deerwood Dr.	1806806	2019 Docket	\$ -	\$ -	\$ -	\$ -	\$ -	Nashua	Yes	\$ 27.81	\$ -	Deferred to 2019 to take advantage of low interest DWGTF Loan - design and survey
Northwest High Pressure System Improvements	Add 3400 LF of 20 inch HDPE and 24" DIPCL RR Crossing parallel to Amherst St (Nashua Airport)	1806808	2019 Docket	\$ -	\$ -	\$ -	\$ -	\$ -	Nashua	Yes	\$ 27.81	\$ -	Deferred to 2019 to take advantage of low interest DWGTF Loan - design and survey
Lake Street	Replace 2950 LF of 6 inch CI with 12 inch DI	1814740	2019 Docket	\$ 1,085,200	\$ 1,415,200	\$ -	\$ -	\$ -	Nashua	Yes	\$ 27.81	\$ -	Gas Company with late start. Project requires temporary water. Deferred to 2019
Kinsley Street	Replace 275 LF of 12" CI and 1020 LF of 6" CI with 12" DIPCL	1702860 & 1825911	2019 Docket		\$ 526,000	\$ 542,620	\$ 693,441	\$ 693,827	Nashua	Yes	\$ 27.81	\$ 19,295	In conjunction with the City of Nashua's 2018 sewer replacements
Harvard Street	Replace 784 LF of 8 inch CI with 8 inch DIPCL	1814742	2019 Docket		\$ 150,000	\$ -	\$ -	\$ -	Nashua	Yes	\$ 27.81	\$ -	In conjunction with the City of Nashua's 2018 sewer replacements - Delayed to 2019
Replace Jeep with Pickup	Replace 2006 Jeep with 152,407 miles with Pickup	1817800	2019 Docket	\$ 30,000	\$ 22,969	\$ 22,969	\$ 22,969	\$ 22,969	Merrimack	No	\$ 28.92	\$ -	
Replace Ranger Pickup	Replace 2005 Ranger Pickup with 186,885 miles	1817796	2019 Docket	\$ 30,000	\$ 34,050	\$ 34,054	\$ 34,054	\$ 34,054	Merrimack	No	\$ 28.92	\$ -	
Mast Road Replacement (PEU-PWW) Interconnection	PWW share of PWW-PEU Interconnection budget	1807148	2019 Docket	\$ -	\$ 57,000	\$ 67,850	\$ 67,850	\$ 67,850	Merrimack	Yes	\$ 28.92	\$ 1,962	Added after approved budget. Opportunity to replace 8 inch A/C pipe
Marshall Street	Replace 1074 LF of 8" CI with 1074 LF of 8" DIPCL	1813935	2019 Docket	\$ -	\$ 270,000	\$ 325,000	\$ 354,813	\$ 355,362	Nashua	Yes	\$ 27.81	\$ 9,883	RR crossing on Marshall St was to be lowered and fire protection concerns
Ferralls Court	Replace 116 LF of 1.25" steel pipe with 4" PVC	1825319	2019 Docket	\$ -	\$ 60,000	\$ 62,000	\$ 77,391	\$ 78,552	Nashua	Yes	\$ 27.81	\$ 2,185	Paving program to overlay street. Found leak. Main found in poor condition
Salvail Court	Replace 100 LF of 1.25 inch steel pipe with 4 inch PVC	1825910	2019 Docket	\$ -	\$ 55,000	\$ 55,000	\$ 55,000		Nashua	Yes	\$ 27.81	\$ -	paving program, same era as Ferry Alls Ct.
Lovewell Street	Replace 400 LF of 1.25" steel pipe with 8" DIPCL	1825912	2019 Docket	\$ -	\$ 210,000	\$ 86,000	\$ 139,276	\$ 139,417	Nashua	Yes	\$ 27.81	\$ 3,877	Gas replacement will compromise 1933 era water line. Based on revised contractor estimate. Final paving completed in 2018
Shakespeare High Pressure System	Expand H/P system to address pressure issues to 4 streets	1813926	2019 Docket	\$ -	\$ 273,000	\$ 230,000	\$ 230,000	\$ 211,941	Nashua	Yes	\$ 27.81	\$ 5,894	Project developed in response to a combination of low pressure and pressure surges causing customer plumbing issues.
Lakeside Avenue	Replace 275 LF of 1.25" steel pipe with 4" PVC	n/a	2019 Docket	\$ -	\$ 75,000	\$ -	\$ -	\$ -	Nashua	Yes	\$ 29.82	\$ -	Gas Company with late start. Project requires temporary water. Deferred to 2019
Cheshire Street	Replace 394 LF of 8" AC with 394 LF of 12" DIPCL	1825913	2019 Docket	\$ -	\$ -	\$ 123,000	\$ 183,586	\$ 183,707	Nashua	Yes	\$ 27.81	\$ 5,109	Eliminate AC water main located in Street that City added to their 2018 street paving project. Final paving completed in 2018.
Investment in developer installed services at 1xannual revenue	Per tariff (224)	n/a	2019 Docket	\$ -	\$ -	\$ 133,175	\$ 133,175	\$ 141,179	Various	Yes	\$ 28.40	\$ 4,009	Tariffed investment not included in Board approved budget
Chase Street	Replace 430 LF of 6" CI with 4: HDPE	1829925		\$ -	\$ -	\$ -	\$ 134,600	\$ -	Nashua	Yes	\$ 27.81	\$ -	Completed in conjunction with a City of Nashua Sewer Replacement. City covering Street reconstruction
Booster/Well/Chem Feed pump replacements	Booster/Well/Chem Feed pump replacements (13 YTD)	60, 61, 62 & 63 workorders	2019 Docket	\$ 60,000	\$ 60,000	\$ 60,000	\$ 48,354	\$ 50,899	Various	Yes	\$ 28.40	\$ 1,446	
Replace 2 Submersible Jet Pumps	Replace two submersible jet pumps in the headworks at the WTP	1818297	2019 Docket	\$ -	\$ -	\$ 14,707	\$ 14,707	\$ 14,707	Nashua	Yes	\$ 27.81	\$ 409	
Install/replace treatment systems in small CWS	Install/replace treatment systems in small CWS	n/a	2019 Docket	\$ 15,000	\$ 15,000	\$ 15,000	\$ -	\$ -	Various	Yes	\$ 28.40	\$ -	
Misc. Structural Improvements	Misc. Structural Improvements		2019 Docket	\$ 20,000	\$ 20,000	\$ 5,000	\$ -	\$ -	Various	Yes	\$ 28.40	\$ -	
Misc. Structural Improvements	WTP - Replace FWPS oil Tank Leak Monitor	1820031	2019 Docket	\$ -	\$ -	\$ 1,200	\$ 3,331	\$ 3,331	Nashua	Yes	\$ 27.81	\$ 93	
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased		2019 Docket	\$ 20,000	\$ 20,000	\$ 5,000	\$ -	\$ -	Various	Yes	\$ 28.40	\$ -	
Replacement of 18" Backwash Acuator	The replacement of the electric valve actuator for the 18" backwash water control valve	1819988	2019 Docket	\$ -	\$ -	\$ 4,456	\$ 4,456	\$ 4,456	Nashua	Yes	\$ 27.81	\$ 124	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		2019 Docket	\$ 30,000	\$ 30,000	\$ 10,000	\$ -	\$ -	Various	Yes	\$ 28.40	\$ -	
Miscellaneous SCADA/Electrical	WTP - Replace High Lift #4, Soft Starter Mechanism	1813113	2019 Docket	\$ -	\$ -	\$ 5,265	\$ 5,265	\$ 5,265	Nashua	Yes	\$ 27.81	\$ 146	
Miscellaneous SCADA/Electrical	WTP - Replace Turbidimeter Controller - Filters 1A/1B	1805725	2019 Docket	\$ -	\$ -	\$ 3,246	\$ 3,246	\$ 3,246	Nashua	Yes	\$ 28.40	\$ 92	
Miscellaneous SCADA/Electrical	Install CMI units on 4 meters at this location	1814856	2019 Docket	\$ -	\$ -	\$ 3,272	\$ 3,272	\$ 3,572	Nashua	Yes	\$ 27.81	\$ 99	
Miscellaneous SCADA/Electrical	Replacement of the variable frequency drive unit for pump #2 at this location	1819989	2019 Docket	\$ -	\$ -	\$ 9,765	\$ 9,765	\$ 9,765	Nashua	Yes	\$ 28.40	\$ 277	
Well Rehabilitation	Well Rehabilitation	n/a	2019 Docket	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	Various	Yes	\$ 28.40	\$ -	No well rehabilitations projected to occur
WTP Structural/HVAC	WTP Structural/HVAC		2019 Docket	\$ 10,000	\$ 10,000	\$ -	\$ -	\$ -	Nashua	Yes	\$ 27.81	\$ -	
WTP Structural/HVAC	The rebuilding of the heating/AC roof top unit for WTP Finished Water Pump Station	1818208	2019 Docket	\$ -	\$ -	\$ 6,094	\$ 6,094	\$ 6,094	Nashua	Yes	\$ 27.81	\$ 169	
Purchase new lab equipment	Purchase new lab equipment		2019 Docket	\$ 20,000	\$ 20,000	\$ 5,000	\$ -	\$ -	Nashua	No	\$ 27.81	\$ -	
Purchase new lab equipment	Replace Combined Filter Effluent Chlorine Analyzer	1820254	2019 Docket	\$ -	\$ -	\$ 3,575	\$ 3,575	\$ 3,575	Nashua	No	\$ 27.81	\$ -	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	2019 Docket	\$ 10,000	\$ 10,000	\$ -	\$ -	\$ -	Various	Yes	\$ 28.40	\$ -	None projected through year end
Purchase new vehicle #212	Vehicle needed for new Community Water System Operator	1816162	2019 Docket	\$ 65,000	\$ 65,000	\$ 39,513	\$ 39,513	\$ 41,478	Nashua	No	\$ 27.81	\$ -	
Replace Vehicle	Replacement of vehicle #62	1825490	2019 Docket	\$ 65,000	\$ 65,000	\$ 50,000	\$ 48,374	\$ 42,374	Nashua	No	\$ 27.81	\$ -	Project reduced by \$6,000 for trade in value.
Replace Vehicle	Replacement of vehicle #38	1819990	2019 Docket	\$ 40,000	\$ 40,000	\$ 27,306	\$ 30,081	\$ 27,581	Nashua	No	\$ 27.81	\$ -	Project reduced by \$2,500 for trade in value.
WTP Perimeter Fence	WTP Perimeter Fence	n/a	2019 Docket	\$ 80,000	\$ 80,000	\$ -	\$ -	\$ -	Merrimack	Yes	\$ 28.92	\$ -	deferred to 2019 due to resource availability
Bowers Dam Spillway reconstruction engineering	Bowers Dam Spillway reconstruction engineering	1824545	2019 Docket	\$ 90,000	\$ 90,000	\$ 50,000	\$ -	\$ -	Merrimack	No	\$ 28.92	\$ -	Not Eligible for 2018 QCPAC as this is engineering only
WTP Camera system upgrade	Existing Camera system is outdated	1819073	2019 Docket	\$ 50,000	\$ 50,000	\$ 4,000	\$ -	\$ -	Nashua	Yes	\$ 27.81	\$ -	Equipment will not be installed until 2019.
Dredging feasibility study	Dredging feasibility study	1807145	2019 Docket	\$ 31,500	\$ 31,500	\$ 31,500	\$ 31,873	\$ -	Various	No	\$ 28.40	\$ -	Study is not QCPAC Qualified
Sourcewater Protection Study	Sourcewater Protection Study	1807146	2019 Docket	\$ 15,000	\$ 15,000	\$ 15,000	\$ -	\$ -	Various	No	\$ 28.40	\$ -	Study is not QCPAC Qualified
Purchase replacement Aeration system compressor	Harris Pond raw water aeration system, replace 1 of 2	1829845	2019 Docket	\$ -	\$ -	\$ 17,000	\$ 17,000	\$ 16,889	Nashua	Yes	\$ 27.81	\$ 470	Replaced existing compressor which was not repairable
Purchase new lab equipment	Purchase bench top Zeta potential analyzer	1826397	2019 Docket	\$ -	\$ -	\$ 75,000	\$ 75,000	\$ 38,375	Nashua	Yes	\$ 27.81	\$ 1,067	Device used to verify and correlate streaming current monitors and further optimize treatment process.
Purchase and install 2-raw water streaming current monitors	Replacement of two older units, 1 currently not operational	1829848	2019 Docket	\$ -	\$ -	\$ 55,000	\$ -	\$ 10,695	Nashua	Yes	\$ 27.81	\$ 297	Devices used to optimize water treatment at Nashua Facility - Purchase in new lab equipment line above
Aquatic Vegetation Assessment and Management	Aquatic Vegetation Assessment and Management	1807147	2019 Docket	\$ 7,500	\$ 7,500	\$ 7,500	\$ -	\$ -	Various	No	\$ 28.40	\$ -	Study is not QCPAC Qualified
WTP - Replace Filter to Waste Valve Actuator	Replace valve actuator that controls flow of water from filters during waste/backwash phase	1800482	2019 Docket	\$ -	\$ -	\$ 6,276	\$ -	\$ 6,276	Nashua	Yes	\$ 27.81	\$ 175	
Website Upgrades	Improved Customer Service Experience	1814346, 1704175 & 1826890	2019 Docket	\$ 10,000	\$ 19,068	\$ 19,068	\$ -	\$ 4,500	Merrimack	No	\$ 28.92	\$ -	Project deferred until 2019
SIEM Appliance	Aggregate Real-time monitoring of system alerts and logs	n/a	2019 Docket	\$ 26,000	\$ -	\$ -	\$ -	\$ -	Merrimack	No	\$ 28.92	\$ -	Project Cancelled due to reduced need
Windows Server Licensing Renewal	Purchase Windows server for virtual servers	1813466	2019 Docket	\$ -	\$ -	\$ 22,925	\$ 22,925	\$ 22,925	Merrimack	No	\$ 28.92	\$ -	The assimilation of multiple new Windows Server licenses from multiple projects into one Enterprise License to cover all virtual servers. Project Finished
AD Change Auditor	Needed to track changes to Authentication Server	n/a	2019 Docket	\$ 4,000	\$ 4,000	\$ -	\$ -	\$ -	Merrimack	No	\$ 28.92	\$ -	Due to the licensing model moving from Purchase to Subscription based, this will become an expense item.
File Server Replacement	Replace older hardware	n/a	2019 Docket	\$ 13,000	\$ -	\$ -	\$ -	\$ -	Merrimack	No	\$ 28.92	\$ -	Project Cancelled due to reduced need
Storage Upgrade	Replace non-supported hardware and increase speed	1817426	2019 Docket	\$ 70,000	\$ 52,000	\$ 52,000	\$ 43,785	\$ 45,197	Merrimack	No	\$ 28.92	\$ -	Project Complete
Munis FER Enhancements	Needed as Business process change	n/a	2019 Docket	\$ 64,000	\$ 64,000	\$ 64,000	\$ -	\$ -	Merrimack	No	\$ 28.92	\$ -	Project deferred until 2019
Click Mobile Application Changes	Needed as Business process change	n/a	2019 Docket	\$ 30,000	\$ 30,000	\$ 30,000	\$ -	\$ -	Merrimack	No	\$ 28.92	\$ -	Deferred to 2019
ClickMobile Move to iPads	Move to a more functional device	1702223, 1707189 & 1807440	2019 Docket	\$ 140,000	\$ 140,000	\$ 140,000	\$ 140,000	\$ 249,378	Merrimack	No	\$ 28.92	\$ -	Hardware purchases and Contractor charges
Additional iPads for Meter Techs	Configuration and deployment of 6 devices	1825224	2019 Docket	\$ -	\$ -	\$ 6,000	\$ 6,000	\$ 4,680				\$ -	
Implement Customer Balances over the phone	Improved Customer Service Experience		2019 Docket	\$ 4,000	\$ 4,000	\$ -	\$ -	\$ -	Merrimack	No	\$ 28.92	\$ -	Deferred until 2019
Miscellaneous Hardware	Run Rate replacements		2019 Docket	\$ 15,000	\$ 15,000	\$ 2,500	\$ 2,500	\$ -	Merrimack	No	\$ 28.92	\$ -	
Miscellaneous Hardware	Purchase network switch for core routing @ Manchester Street	1813280	2019 Docket	\$ -	\$ -	\$ 4,203	\$ 4,203	\$ 4,203	Merrimack	No	\$ 28.92	\$ -	
Miscellaneous Hardware	Castle/Ware Laptops	1818947	2019 Docket	\$ -	\$ -	\$ 4,642	\$ 4,642	\$ 4,642	Merrimack	No	\$ 28.92	\$ -	Replaced desktops. Allows for remote access via VPN
Miscellaneous Hardware	Replacement Printer - Engineering	1817323	2019 Docket	\$ -	\$ 2,249	\$ 2,249	\$ 2,249	\$ 2,249	Merrimack	No	\$ 28.92	\$ -	Replace failed engineering printer
Miscellaneous Software	Run Rate replacements	n/a	2019 Docket	\$ 12,000	\$ 12,000	\$ 12,000	\$ -	\$ -	Merrimack	No	\$ 28.92	\$ -	No plans for the rest of the year. Will request from contingency fund if something comes up
LIMS upgrade	Allow for Electronic Data Collection in the Field	1817795	2019 Docket	\$ 11,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ 939	Merrimack	No	\$ 28.92	\$ -	No additional project costs expected.
Physical Server for Pearl	Physical Server for Pearl	n/a	2019 Docket	\$ 12,000	\$ -	\$ -	\$ -	\$ -	Merrimack	No	\$ 28.92	\$ -	Project Cancelled due to reduced need
Corporate Job Scheduler	Centralized nightly job management and notification	n/a	2019 Docket	\$ 4,000	\$ 4,000	\$ 4,000	\$ -	\$ -	Merrimack	No	\$ 28.92	\$ -	deferred
Consulting	Consulting	n/a	2019 Docket	\$ 32,000	\$ 32,000	\$ 32,000	\$ 32,000		Merrimack	No	\$ 28.92	\$ -	
Laptops for L.G. & D.W.	Laptops for L.G. & D.W.	1813464	2019 Docket	\$ 4,000	\$ 5,442	\$ 5,442	\$ 5,442	\$ 5,442	Merrimack	No	\$ 28.92	\$ -	Three Lap tops acquired for L.G., G.T. and J.B. Replaced desktops. Allows for remote access via VPN. Project Complete
Additional Computers	Additional Computers	1814843	2019 Docket	\$ 4,000	\$ 5,717	\$ 5,717	\$ 5,717	\$ 6,798	Merrimack	No	\$ 28.92	\$ -	Project Complete
Replace 43 desk top computers at Main office	Computers are 7 years old and running on unsupported Windows 7 platform	1825498	2019 Docket	\$ -	\$ -	\$ 41,267	\$ 41,267	\$ 49,614	Merrimack	No	\$ 28.92	\$ -	Moved project from 2019 to 2018
Office 365 Exchange Migration	Office 365 Exchange Migration	1817818	2019 Docket	\$ -	\$ 16,400	\$ 6,200	\$ 6,200	\$ 7,737	Merrimack	No	\$ 28.92	\$ -	
VPN Update	VPN appliance to better support our mobile workforce	1824579	2019 Docket	\$ -	\$ -	\$ -	\$ -	\$ 3,366				\$ -	
Berkshire St	Water Main Replacement	1817715	2019 Docket	\$ -	\$ -	\$ -	\$ -	\$ 5,239	Nashua	Yes	\$ 27.81	\$ 146	2018 Spring clean up associated with water main project completed in 2017.
Bedford Water System Expansion	5/8" Meters	1820043	2019 Docket	\$ -	\$ -	\$ -	\$ -	\$ 10,947	Bedford	Yes	\$ 24.76	\$ 271	Meters and Radios for PFOA customers in Bedford
GIS/GeoSync/Work	GIS/GeoSync/Work	1813962	2019 Docket	\$ -	\$ -	\$ -	\$ -	\$ 13,360	Various	Yes	\$ 28.40	\$ 379	
2017 Phase 2 Install Overhead Crane and Door-WTP Process Area Design	2018 Phase 2 Install Overhead Crane and Door-WTP Process Area Design	1814354	2019 Docket	\$ -	\$ -	\$ -	\$ -	\$ 12,412	Nashua	Yes	\$ 27.81	\$ 345	
New Virtual Server	New Virtual Server	1819083	2019 Docket	\$ -	\$ -	\$ -	\$ -	\$ 16,321	Merrimack	Yes	\$ 28.92	\$ 472	
Replace VFD	Replace VFD, Booster #2, Orchard Ave Station	1819288	2019 Docket	\$ -	\$ -	\$ -	\$ -	\$ 1,719	Nashua	Yes	\$ 27.81	\$ 48	

Project Name/Description	Project Description	Work Order #	Financing Docket No.	Approved Budgeted Amount	Estimated Project Cost as of 6/30/2018	Estimated Project Cost as of 9/30/2018	Estimated Project Cost as of 11/30/2018	Final Project cost as of 12/31/2018	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since 1/30/2018
Unitrends RC823S	Backup and Disaster Recovery Device	1617283	2019 Docket	\$ -	\$ -	\$ -	\$ -	\$ 27,998	Merrimack	No	\$ 28.92	\$ -	
W. Allds St. Water Main Replacement - Main Street Nashua Intersections	W. Allds St. Water Main Replacement - Main Street Nashua Intersections	1700632	2019 Docket	\$ -	\$ -	\$ -	\$ -	\$ 27,969	Nashua	Yes	\$ 27.81	\$ 778	
W Allds Street Phase II (Main to end) Int with Main Street Nashua Inters	W Allds Street Phase II (Main to end) Int with Main Street Nashua Inters	1700676	2019 Docket	\$ -	\$ -	\$ -	\$ -	\$ 6,531	Nashua	Yes	\$ 27.81	\$ 182	
TIG Welder	TIG Welder	1900419	2019 Docket	\$ -	\$ -	\$ -	\$ -	\$ 2,955	Merrimack	No	\$ 28.92	\$ -	
Utility Truck Replacement	Replacement of #47 with Truck #315	1900418	2019 Docket	\$ -	\$ -	\$ -	\$ -	\$ 62,215	Merrimack	No	\$ 28.92	\$ -	
Additional Trench Boxes	Additional Trench Boxes	1826437	2019 Docket	\$ -	\$ -	\$ -	\$ -	\$ 22,241	Merrimack	No	\$ 28.92	\$ -	
Overhead Crane and Door	WTP Process Area Installation	1807303	2019 Docket	\$ -	\$ -	\$ -	\$ -	\$ 19,761	Nashua	Yes	\$ 27.81	\$ 550	
Sweet Hill Well #3	Sweet Hill Well #3 (2018 Carryover)	1813054	2019 Docket	\$ -	\$ -	\$ -	\$ -	\$ 2,408	Plaistow	Yes	\$ 28.93	\$ 70	
SCADA System Upgrade	WTP - 2018 replace all SCADA computers and upgrade system	1813303	2019 Docket	\$ -	\$ -	\$ -	\$ -	\$ 20,642	Nashua	Yes	\$ 27.81	\$ 574	
Amherst Water System Expansion	Meters and Radios	1806832	2019 Docket	\$ -	\$ -	\$ -	\$ -	\$ 16,646	Amherst	Yes	\$ 31.59	\$ 526	Meters and Radios for PFOA customers in Amherst
#353-Service Truck Replacement (#47)	#353-Service Truck Replacement (#47)	1813945	2019 Docket	\$ -	\$ -	\$ -	\$ -	\$ 1,103	Merrimack	No	\$ 27.81	\$ -	
Retainage	Retainage		2019 Docket					\$ (197,247)	Nashua	Yes	\$ 27.81	\$ (5,485)	Please see the "Retainage Support" tab for breakdown of amount. This is retainage on projects completed above. The \$\$ held in retainage will need to be recovered in 2020 QCPAC.
				\$ 10,008,000	\$ 9,102,095	\$ 6,807,006	\$ 8,600,675	\$ 8,263,302	Projected Property Tax Expense associated with 2018 QCPAC projects -			\$ 198,464	

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

Total PWW Capex for 2018 - \$ 8,263,302

Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Board Approved 2019 Capex Budget	Eligible for 2020 QCPAC Surcharge	Estimated Project Costs as of 6/30/2019	Community	Taxable	Tax Rate (1)	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		DW17-183	26,101	2/2/2018	\$ 46,000	Yes	\$ 46,000	Various	Yes	\$ 28.85	\$ 1,327	
Renewed Services (20)	Replacement of failed services		DW17-183	26,101	2/2/2018	\$ 92,000	Yes	\$ 92,000	Various	Yes	\$ 28.85	\$ 2,654	
Hydramts (10)	Replacement of non functional Hydrams		DW17-183	26,101	2/2/2018	\$ 50,000	Yes	\$ 50,000	Various	Yes	\$ 28.85	\$ 1,443	
Gates (10)	Replacement of Failed Gate Valves		DW17-183	26,101	2/2/2018	\$ 40,000	Yes	\$ 40,000	Various	Yes	\$ 28.85	\$ 1,154	
Radio's (2750)	Replace out of warranty failed radio meter readers		DW17-183	26,101	2/2/2018	\$ 275,000	Yes	\$ 30,000	Various	Yes	\$ 28.85	\$ 866	Deferred Radio Replacement program (Radios are 12 years old). 300 left in budget to replace failed radios.
Meters (Growth) 5/8" 2" - Gate & CWS (480)	Meters (Growth) 5/8" 2" - Gate & CWS (480)		DW17-183	26,101	2/2/2018	\$ 48,000	Yes	\$ 48,000	Various	Yes	\$ 28.85	\$ 1,285	
Meters 5/8" 4" Lead Meter Exchange - Gate & CWS (3000)	Meters 5/8" 4" Lead Meter Exchange - Gate & CWS (3000)		DW17-183	26,101	2/2/2018	\$ 300,000	Yes	\$ 300,000	Various	Yes	\$ 28.85	\$ 8,635	
Entrance Security Gate & Perimeter Fence	Entrance Security Gate & Perimeter Fence		DW17-183	26,101	2/2/2018	\$ 75,000	Yes	\$ 75,000	Merrimack	Yes	\$ 28.92	\$ 2,169	
Replace 13 yr Vac Trailer - Safety & Maint issue	Replace 13 yr Vac Trailer - Safety & Maint issue		DW17-183	26,101	2/2/2018	\$ 100,000	Yes	\$ -	Merrimack	Yes	\$ 28.92	\$ -	Deferred to 2020 due to price increases, model & design changes (trailer or truck)
Protectus Meter Upgrade	Spitbrook Rd Protectus Meter Upgrade		DW17-183	26,101	2/2/2018	\$ 21,000	Yes	\$ 21,000	Nashua	Yes	\$ 27.81	\$ 384	
Pipe Freeze Kits (2)	Re-Front Turbo 2 Electric Pipe Freeze Kits		DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 7,400	Nashua	Yes	\$ 27.81	\$ 206	Existing Freeze kits have failed and not repairable 15+ years old
Network Digital Display Installation	Relocate and network display to Assignment room & new 75" display in Conference Rm		DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 2,700	Merrimack	Yes	\$ 28.92	\$ 78	New technology available to display department information digitally
Plate Compactors (4)	Replacement of failed compactors unable to obtain repair parts		DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 17,500	Nashua	Yes	\$ 30.81	\$ 539	Existing units have failed and parts for repair are not available.
2018 Dodge Ram 2500 (#513)	Carryover Costs to 2018 projects not recovered in prior QCPAC	1907613	0.1 DSRR			\$ -	No	\$ 1,069	Merrimack	No	\$ 28.92	\$ -	
2018 Dodge Ram 2500 (#513)	Carryover Costs to 2018 projects not recovered in prior QCPAC	1907612	0.1 DSRR			\$ -	No	\$ 1,069	Merrimack	No	\$ 28.92	\$ -	
2018 Dodge Ram 2500 (#515)	Carryover Costs to 2018 projects not recovered in prior QCPAC	1907615	0.1 DSRR			\$ -	No	\$ 2,542	Merrimack	No	\$ 28.92	\$ -	
2018 Dodge Ram Promaster 1500 Cargo Van (#347)	Carryover Costs to 2018 projects not recovered in prior QCPAC	1907987	0.1 DSRR			\$ -	No	\$ 1,060	Merrimack	No	\$ 28.92	\$ -	
2018 Dodge Ram Promaster 1500 Cargo Van (#348)	Carryover Costs to 2018 projects not recovered in prior QCPAC	1907988	0.1 DSRR			\$ -	No	\$ 1,060	Merrimack	No	\$ 28.92	\$ -	
2018 Dodge Ram Promaster 1500 Cargo Van (#349)	Carryover Costs to 2018 projects not recovered in prior QCPAC	1907989	0.1 DSRR			\$ -	No	\$ 1,060	Merrimack	No	\$ 28.92	\$ -	
Meter Data Logging Equipment	Carryover Costs to 2018 projects not recovered in prior QCPAC	1907885	0.1 DSRR			\$ -	No	\$ 2,840	Various	Yes	\$ 28.85	\$ 82	Equipment used in leak detection
Gilman Street	Replace 1470 LF of 8 inch CI with 12 inch DIPCL		DW17-183	26,101	2/2/2018	\$ 550,000	Yes	\$ 615,000	Nashua	Yes	\$ 27.81	\$ 17,103	
Elm Street	Replace 875 LF of 6 inch CI with 12 inch DIPCL		DW17-183	26,101	2/2/2018	\$ 559,350	Yes	\$ 255,000	Nashua	Yes	\$ 27.81	\$ 7,092	
Monroe Street	Replace 310 LF of 4 inch CI with 8 inch DIPCL		DW17-183	26,101	2/2/2018	\$ 122,270	Yes	\$ 120,000	Nashua	Yes	\$ 27.81	\$ 3,337	
W Pearl Street	Replace 260 LF of 8 inch CI with 8 inch DIPCL		DW17-183	26,101	2/2/2018	\$ 138,050	Yes	\$ 140,000	Nashua	Yes	\$ 27.81	\$ 3,903	
Harvard Street	Replace 800 LF of 8 inch CI with 8 inch DIPCL		DW17-183	26,101	2/2/2018	\$ 247,500	Yes	\$ 240,200	Nashua	Yes	\$ 27.81	\$ 6,030	
West Hollis Street Check Valve Pit	Install at the int of W. Hollis St and Panther Dr		DW17-183	26,101	2/2/2018	\$ 88,000	Yes	\$ -	Nashua	Yes	\$ 27.81	\$ -	Deferred to future year to accommodate additional water main projects
NWS Improvements - Manchester Street	Add 2700 LF of 24 inch DIPCL on Manchester St.					\$ 660,000	Yes	\$ 660,000	Nashua	Yes	\$ 27.81	\$ 18,355	
NWS Improvements - Route 101A and Route 121 (Amherst)	Add 2200 LF of 12 inch DIPCL to close loop					\$ 550,000	Yes	\$ 550,000	Nashua	Yes	\$ 27.81	\$ 15,206	
NWS Improvements - Timber Road	Replace 825 LF of 16 inch AC with 825 LF of 24 inch DIPCL		DW17-183	26,101	2/2/2018	\$ 522,500	Yes	\$ 522,500	Nashua	Yes	\$ 27.81	\$ 14,531	
NWS Improvements - Deerswood Drive & Amherst St. Intersection	Replace 1300 LF of 12 inch AC with 1300 LF of 24 inch DIPCL					\$ 467,500	Yes	\$ 467,500	Nashua	Yes	\$ 27.81	\$ 13,001	
NWS Improvements - Deerswood Dr. Northwest Blvd Loop	Add 3400 LF of 20 inch HDPE including RR rise in grade					\$ 635,800	Yes	\$ 635,800	Nashua	Yes	\$ 27.81	\$ 17,682	
NWS Improvements Fonesham Rd/Route 101A Loop	Add 2200 LF of 12 inch DIPCL to close two loop major dead ends					\$ 484,000	Yes	\$ 484,000	Nashua	Yes	\$ 27.81	\$ 13,400	
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	Yes	\$ 190,000	Nashua	Yes	\$ 27.81	\$ 5,284	
City of Nashua Sewer - Ash Street	Replace 710 LF of 6 inch CIP with 710 LF of 12 inch DIPCL	1814367	DW17-183	26,101	2/2/2018	\$ 242,000	Yes	\$ 162,800	Nashua	Yes	\$ 27.81	\$ 4,527	
City of Nashua Sewer - Lake Street	Replace 2910 LF of 6 inch CI with 12 inch DIPCL	1814740	DW17-183	26,101	2/2/2018	\$ 990,000	Yes	\$ 1,800,050	Nashua	Yes	\$ 27.81	\$ 52,562	
City of Nashua Paving - Vilus St.	Replace 15 LF of 1.5 inch steel with 2 inch HDPE for paving program		DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 16,750	Nashua	Yes	\$ 27.81	\$ 466	Includes final paving - complete
Interconnection to BWC	Carryover Costs to 2018 projects not recovered in prior QCPAC	1900429	0.1 DSRR			\$ -	No	\$ 3,400	Nashua	Yes	\$ 27.81	\$ 95	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	0.1 DSRR			\$ -	No	\$ 2,200	Nashua	Yes	\$ 27.81	\$ 61	Carry over costs from project completed in 2018, pay for with 0.1 DSRR
Water Street 16	Carryover Costs to 2018 projects not recovered in prior QCPAC	1910116	0.1 DSRR			\$ -	No	\$ 6,800	Nashua	Yes	\$ 27.81	\$ 192	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	0.1 DSRR			\$ -	No	\$ 20,209	Nashua	Yes	\$ 27.81	\$ 562	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	0.1 DSRR			\$ -	No	\$ 233	Nashua	Yes	\$ 27.81	\$ 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	0.1 DSRR			\$ -	No	\$ 257	Nashua	Yes	\$ 27.81	\$ 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					\$ -	Yes	\$ 17,900	Nashua	Yes	\$ 27.81	\$ 498	Includes final paving - complete
City of Nashua Paving - Ferryalls Ct	Replace 35 ft of 1" copper water main crossing Canal St with a 4" DIPCL Water Main	1908316	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 58,580	Nashua	Yes	\$ 27.81	\$ 1,629	Ferryalls was replaced last year to the limit of Canal St - complete this is phase 2 extending into Canal St - complete
City of Nashua Paving - Salvail Ct	Replace 1.5" Steel water main and install a 4" DIPCL Water Main (contaminated area)	1908317	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 95,000	Nashua	Yes	\$ 27.81	\$ 2,642	Includes final paving - complete
City of Nashua Paving - Lowell St - Final Paving and restoration	Pavement restoration and final landscaping	1907682	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 13,000	Nashua	Yes	\$ 27.81	\$ 362	\$6,240 of this will be recovered from Liberty Gas
City of Nashua Paving - Chebese St - Final Cleanup	Grass repair and site clean up	1908353	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 1,400	Nashua	Yes	\$ 27.81	\$ 39	Completion of 2018 Workorder Project
City of Nashua - Simon St at Will St Upgrade	Abandon pump station pit and clean up intersection pipe work for improved flows		DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 215,100	Nashua	Yes	\$ 27.81	\$ 5,982	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		DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 24,500	Nashua	Yes	\$ 27.81	\$ 681	Final paving bill for this project.
City of Nashua Paving - Lemon St - Carry over from 2017	Paving only - Carry over from 2017		DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 24,850	Nashua	Yes	\$ 27.81	\$ 691	Estimated paving contribution - Originally anticipated for 2020
City of Nashua Paving - Lowell St - Carry over from 2017	Paving only - Carry over from 2017		DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 37,000	Nashua	Yes	\$ 27.81	\$ 1,029	Estimated paving contribution - Originally anticipated for 2020
City of Nashua Paving - Green St - Carry over from 2017	Paving only - Carry over from 2017		DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 10,000	Nashua	Yes	\$ 27.81	\$ 278	Estimated paving contribution - Originally anticipated for 2020
City of Nashua Paving - Bead St - Carry over from 2017	Paving only - Carry over from 2017		DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 25,000	Nashua	Yes	\$ 27.81	\$ 720	Estimated paving contribution - Originally anticipated for 2020
City of Nashua Paving - Terrace St - Carry over from 2017	Paving only - Carry over from 2018		DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 20,500	Nashua	Yes	\$ 27.81	\$ 570	Estimated paving contribution - Originally anticipated for 2020
City of Nashua Paving - Warren St - Carry over from 2017	Paving only - Carry over from 2017		DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 19,500	Nashua	Yes	\$ 27.81	\$ 542	Estimated paving contribution - Originally anticipated for 2020
Merrimack River Intake	Year Round Raw Water Intake from Merrimack River		DW-GTF Financing			\$ 5,500,000	Yes	\$ 6,000,000	Merrimack	Yes	\$ 28.92	\$ 190,872	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.
Asset Management Outside GIS Consulting Services	Outside GIS Consulting Services		DW17-183	26,101	2/2/2018	\$ 60,000	Yes	\$ 60,000	Various	No	\$ 28.85	\$ -	
Asset Management Water Modeling Consulting	Water Modeling Consulting		DW17-183	26,101	2/2/2018	\$ 36,000	Yes	\$ 36,000	Various	No	\$ 28.85	\$ -	
Asset Management Trimble R2 Units	Trimble R2 Units		DW17-183	26,101	2/2/2018	\$ 14,000	Yes	\$ 14,000	Various	Yes	\$ 28.85	\$ 404	
WAM/Synergien Upgrade Cost & Functionality Study	WAM/Synergien Upgrade Cost & Functionality Study	1900568, 1910129	DW17-183	26,101	2/2/2018	\$ -	No	\$ 45,000	Various	No	\$ 28.85	\$ -	Study to select replacement of Synergien CMMS system which goes unsupported at the end of 2020
Investment in developer installed services at 1x annual revenue	Per tariff		DW17-183	26,101	2/2/2018	\$ 60,000	Yes	\$ 60,000	Various	Yes	\$ 28.85	\$ 1,731	
2019 Ford Escape	Replace Totaled 2015 Ford Escape	1907481	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 23,998	Merrimack	No	\$ 28.92	\$ -	Vehicle in accident. Vehicle totaled and needed to be replaced.
Bower Dam reconstruction and engineering	Bower Dam reconstruction and engineering		DW17-183	26,101	2/2/2018	\$ 25,000	No	\$ 25,000	Merrimack	No	\$ 28.92	\$ -	Design Engineering Work for 2020 Dam rehabilitation
Bowers Dam Letter of Deficiency design/analysis	perform Hydraulic and Hydrology analysis, design improvements to address spillway capacity						No	\$ 35,000	Merrimack	No	\$ 28.92	\$ -	Letter of deficiency issued by the NHDES Dam Bureau regarding inadequate spillway capacity for this dam
Harris Dam Letter of Deficiency design/analysis	perform Hydraulic and Hydrology analysis, design improvements to address spillway capacity						No	\$ 40,000	Merrimack	No	\$ 28.92	\$ -	Letter of deficiency issued by the NHDES Dam Bureau regarding inadequate spillway capacity for this dam
Supply Pond Letter of Deficiency design/analysis	perform Hydraulic and Hydrology analysis, design improvements to address spillway capacity						No	\$ 35,000	Merrimack	No	\$ 28.92	\$ -	Letter of deficiency issued by the NHDES Dam Bureau regarding inadequate spillway capacity for this dam
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild		DW17-183	26,101	2/2/2018	\$ 40,000	Yes	\$ 15,445	Various	Yes	\$ 28.85	\$ 446	Reduced by intermediate booster pump rebuild below.
Booster Pump replacement/rebuild	WTP Rebuild pump end, Intermediate Pump #5	1914986	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 24,555	Nashua	Yes	\$ 27.81	\$ 683	Pump Bearings failed on Intermediate Booster Pump at WTP
Well Pump replacements	Well Pump replacements		DW17-183	26,101	2/2/2018	\$ 15,000	Yes	\$ 15,000	Various	Yes	\$ 28.85	\$ 433	
Chemical Feed pump replacement	Chemical Feed pump replacements		DW17-183	26,101	2/2/2018	\$ 10,000	Yes	\$ 10,000	Various	Yes	\$ 28.85	\$ 289	
Upgrade SCADA historian software, new hardware	Upgrade SCADA historian software, new hardware		DW17-183	26,101	2/2/2018	\$ 150,000	Yes	\$ 150,000	Nashua	Yes	\$ 28.85	\$ 4,328	
Twin Ridge rebuild softener system, install radon treatment	Twin Ridge rebuild softener system, install radon treatment		DW17-183	26,101	2/2/2018	\$ 50,000	Yes	\$ 50,000	Plastow	Yes	\$ 28.85	\$ 1,443	
Misc. Structural Improvements	Misc. Structural Improvements		DW17-183	26,101	2/2/2018	\$ 20,000	Yes	\$ 10,700	Various	Yes	\$ 28.85	\$ 309	Reduced by replacement of failed Fire Alarm CPU
Misc. Structural Improvements	Replace Fire Alarm System CPU	1907102, 1910121	DW17-184	26,102	2/3/2018	\$ -	Yes	\$ 9,300	Nashua	Yes	\$ 28.85	\$ 268	Fire Alarm CPU failed due to electrical surge.
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased		DW17-183	26,101	2/2/2018	\$ 17,500	Yes	\$ 9,028	Yes	\$ 28.85	\$ 286	Reduced by Miscellaneous Equipment purchased to date	
Miscellaneous Equipment Purchased	Purchase 2 Gas Monitors for WS Confined Space Program	1907611	DW17-184	26,102	2/3/2018	\$ -	Yes	\$ 4,568	Nashua	Yes	\$ 28.85	\$ 132	Routine Miscellaneous Equipment purchase.
Miscellaneous Equipment Purchased	Purchase Entry Tripod and Winch for WS Confined Space Program	1910206	DW17-185	26,103	2/4/2018	\$ -	-	\$ 3,004	Nashua	Yes	\$ 28.85	\$ 87	Routine Miscellaneous Equipment purchase
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		DW17-183	26,101	2/2/2018	\$ 30,000	Yes	\$ 30,000	Various	Yes	\$ 28.85	\$ 866	
WTP Structural/HVAC	WTP Structural/HVAC		DW17-183	26,101	2/2/2018	\$ 10,000	Yes	\$ 10,000	Nashua	Yes	\$ 28.85	\$ 289	
Purchase new lab equipment	Purchase new lab equipment		DW17-183	26,101	2/2/2018	\$ 20,000	Yes	\$ 18,500	Nashua	Yes	\$ 28.85	\$ 534	Reduced by purchase of HACH DR 900 below
Purchase new lab equipment	HACH DR 900	1908450	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 1,500	Nashua	Yes	\$ 28.85	\$ 43	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects		DW17-183	26,101	2/2/2018	\$ 10,000	Yes	\$ 10,000	Various	Yes	\$ 28.85	\$ 289	
Replace Ferric Chloride Feed pump	Replace Ferric Chloride Feed pump		DW17-183	26,101	2/2/2018	\$ 10,000	Yes	\$ 10,000	Nashua	Yes	\$ 27.81	\$ 278	
Carbon media changeout filter 1 & 2	Carbon media changeout filter 1 & 2		DW17-183	26,101	2/2								

Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHUPC Order No.	Date of NHUPC	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	Community	Taxable	Tax Rate (%)	QCPAC Eligible Property Tax Expense (Based on Qrly 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	Various	Yes	\$ 28.85	\$ 1,039	6 installed through 9/30. Projecting 1 more by year end.
Booster Pumping (20)	Replacement of failed, 22 x 22 workorders.	21, 22, 23 workorders	DW17-183	26,101	2/2/2018	\$ 92,400	\$ 92,400	Yes	\$ 92,400	\$ 72,000	Various	Yes	\$ 28.85	\$ 2,720	6 installed through 9/30. Projecting 2 more by year end.
Hydrams (10)	Replacement of non functional hydrams (NM - 3 INSTALLED THRU 09/30)	9 & 13 workorders	DW17-183	26,101	2/2/2018	\$ 50,000	\$ 50,000	Yes	\$ 50,000	\$ 36,000	Various	Yes	\$ 28.85	\$ 1,039	5 installed through 9/30. Projecting 1 more by year end.
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	Various	Yes	\$ 28.85	\$ 346	5 installed through 9/30. Projecting 1 more by year end.
Radios (2750)	Replace out of warranty failed radio meter readers	54 workorders	DW17-183	26,101	2/2/2018	\$ 275,000	\$ 30,000	Yes	\$ 30,000	\$ 42,500	Various	Yes	\$ 28.85	\$ 1,226	Deferred Radio Replacement program (Radio are 12 years old). 300 left in budget to replace failed radios.
Meters (Growths) 5/8" 2" - Core & CWS (480)	Meters (Growths) 5/8" 2" - Core & CWS (480)	50 workorders	DW17-183	26,101	2/2/2018	\$ 48,000	\$ 48,000	Yes	\$ 48,000	\$ 240,000	Various	Yes	\$ 28.85	\$ 6,924	1513 installed/ replaced through 9/30. Projecting 750 more by year end.
Meters (2.5" 2" 1" Lead Meter Installation - Core & CWS (3000)	Meters (2.5" 2" 1" Lead Meter Installation - Core & CWS (3000)	50 workorders	DW17-183	26,101	2/2/2018	\$ 30,000	\$ 30,000	Yes	\$ 30,000	\$ 30,000	Various	Yes	\$ 28.85	\$ 845	159 installed through 9/30. Projecting 750 more by year end.
Leakage Security Gates & Perimeter Fence	Leakage Security Gates & Perimeter Fence	1901598	DW17-183	26,101	2/2/2018	\$ 75,000	\$ 75,000	Yes	\$ 75,000	\$ 75,000	Memmuck	No	\$ 28.92	\$ 2,169	
Buildings 13 via Vias Trailer - Safety & Main issue	Buildings 13 via Vias Trailer - Safety & Main issue	n/a	DW17-183	26,101	2/2/2018	\$ 100,000	\$ 100,000	Yes	\$ 100,000	\$ 21,000	Memmuck	Yes	\$ 28.92	\$ -	(Deferred to 2020 due to rise in increases, model & design changes (trailer or truck)
Pipes, Meter Upgrade	Siphon & Rd Projects Meter Upgrade	n/a	DW17-183	26,101	2/2/2018	\$ 21,000	\$ 21,000	Yes	\$ 21,000	\$ 21,000	Memmuck	No	\$ 28.92	\$ 584	
Pipe Freeze Kits (2)	Rollout Turbo 2 Electric Pipe Freeze Kits	1915135	DW17-183	26,101	2/2/2018	\$ 7,400	\$ 7,400	Yes	\$ 7,400	\$ 7,400	Nashua	Yes	\$ 27.81	\$ 206	Existing freeze kits have failed and not repairable 15+ years old
Network Digital Display Installation	Relocate & network display to Assignment room & new 75" display in Conference Room	n/a	DW17-183	26,101	2/2/2018	\$ -	\$ 2,700	Yes	\$ 2,700	\$ 2,700	Memmuck	Yes	\$ 28.92	\$ 78	New technology available to display department information digitally
Plan Computers (4)	Replacement of failed computer unable to obtain repair parts	n/a	DW17-183	26,101	2/2/2018	\$ -	\$ 17,500	Yes	\$ 17,500	\$ 17,500	Nashua	Yes	\$ 30.81	\$ 539	Existing units have failed and parts for repair are not available.
2018 Dodge Ram 2500 (#513)	Carrollover Costs to 2018 projects not recovered in prior QCPAC	1907615	0.1 DSRR			\$ -	\$ 1,909	No	\$ 1,909	\$ 1,909	Memmuck	No	\$ 28.92	\$ -	
2018 Dodge Ram 2500 (#514)	Carrollover Costs to 2018 projects not recovered in prior QCPAC	1907612	0.1 DSRR			\$ -	\$ 1,909	No	\$ 1,909	\$ 1,909	Memmuck	No	\$ 28.92	\$ -	
2018 Dodge Ram 2500 (#515)	Carrollover Costs to 2018 projects not recovered in prior QCPAC	1907615	0.1 DSRR			\$ -	\$ 2,542	No	\$ 2,542	\$ 2,542	Memmuck	No	\$ 28.92	\$ -	
2018 Dodge Ram Promoter 1500 Cargo Van (#547)	Carrollover Costs to 2018 projects not recovered in prior QCPAC	1907989	0.1 DSRR			\$ -	\$ 1,060	No	\$ 1,060	\$ 1,060	Memmuck	No	\$ 28.92	\$ -	
2018 Dodge Ram Promoter 1500 Cargo Van (#548)	Carrollover Costs to 2018 projects not recovered in prior QCPAC	1907988	0.1 DSRR			\$ -	\$ 1,060	No	\$ 1,060	\$ 1,060	Memmuck	No	\$ 28.92	\$ -	
2018 Dodge Ram Promoter 1500 Cargo Van (#549)	Carrollover Costs to 2018 projects not recovered in prior QCPAC	1907989	0.1 DSRR			\$ -	\$ 1,060	No	\$ 1,060	\$ 1,060	Memmuck	No	\$ 28.92	\$ -	
Meat Dam Logging Equipment	Carrollover Costs to 2018 projects not recovered in prior QCPAC	1907985	0.1 DSRR			\$ -	\$ 2,849	No	\$ 2,849	\$ 2,849	Various	Yes	\$ 28.85	\$ 82	Equipment used in leak detection
Gilman Street	Replace 1470 L.F. of 8 inch CI with 12 inch DIPC1	1407377, 1702856, 1806433, 1901176	DW17-183	26,101	2/2/2018	\$ 550,000	\$ 615,000	Yes	\$ 615,000	\$ 718,063	Nashua	Yes	\$ 27.81	\$ 19,969	Payment contribution to the City of Nashua paid in 2018 (\$127,264)
Elgin Street	Replace 875 L.F. of 6 inch CI with 12 inch DIPC1	1702871, 1812907, 1901599	DW17-183	26,101	2/2/2018	\$ 559,550	\$ 255,000	Yes	\$ 255,000	\$ 378,600	Nashua	Yes	\$ 27.81	\$ 10,520	Payment contribution to City of Nashua of \$138,807 included
Manning Street	Replace 310 L.F. of 4 inch CI with 8 inch DIPC1	1702866, 1812908, 1901602	DW17-183	26,101	2/2/2018	\$ 122,270	\$ 120,000	Yes	\$ 120,000	\$ 174,026	Nashua	Yes	\$ 27.81	\$ 4,865	Payment contribution to City of Nashua of \$40,687 included
W Pearl Street	Replace 260 L.F. of 8 inch CI with 8 inch DIPC1	1702869, 1812909, 1901603	DW17-183	26,101	2/2/2018	\$ 138,030	\$ 140,000	Yes	\$ 140,000	\$ 224,486	Nashua	Yes	\$ 27.81	\$ 6,243	Payment contribution to City of Nashua of \$82,485 included
Harvard Street	Replace 800 L.F. of 8 inch CI with 8 inch DIPC1	1814742, 1901604	DW17-183	26,101	2/2/2018	\$ 247,500	\$ 249,200	Yes	\$ 249,200	\$ 249,200	Nashua	Yes	\$ 27.81	\$ 6,970	Payment contribution to City of Nashua of \$75,000 not included as contribution is not expected to be paid until 2020
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	\$ 27.81	\$ -	Deferred to future year to accommodate additional water main projects
NWS Improvements - Manchester Street	Add 2700 L.F. of 24 inch DIPC1 on Manchester St	1806405, 1903422				\$ 660,000	\$ 660,000	Yes	\$ 660,000	\$ 790,000	Nashua	Yes	\$ 27.81	\$ 20,301	Added security fence replacement (2500 L.F.) above Manchester Street
NWS Improvements - Route 101A and Route 121 (Amherst)	Add 2200 L.F. of 12 inch DIPC1 to close loop	1806410, 1901607				\$ 550,000	\$ 550,000	Yes	\$ 550,000	\$ 550,000	Nashua	Yes	\$ 27.81	\$ 15,296	Advised cost based on final installed materials
NWS Improvements - Tucker Road	Replace 825 L.F. of 16 inch AC with 825 L.F. of 24 inch DIPC1	1806434, 1900421	DW-GTF			\$ 522,500	\$ 522,500	Yes	\$ 522,500	\$ 526,000	Nashua	Yes	\$ 27.81	\$ 14,628	Advised cost based on final installed materials
NWS Improvements - Deepwood Drive & Amherst St. Intersection	Replace 1300 L.F. of 12 inch AC with 1300 L.F. of 24 inch DIPC1	1901609	Financing			\$ 467,500	\$ 467,500	Yes	\$ 467,500	\$ 480,000	Nashua	Yes	\$ 27.81	\$ 13,549	Advised cost based on final installed materials
NWS Improvements - Deepwood Dr. Northeast Blvd Loop	Add 3400 L.F. of 24 inch DIPC1 to close loop	1806434, 1901610				\$ 635,800	\$ 635,800	Yes	\$ 635,800	\$ 655,000	Nashua	Yes	\$ 27.81	\$ 18,214	Advised cost based on final installed materials
NWS Improvements Deepwood Rd/ Route 101A Loop	Add 2200 L.F. of 12 inch DIPC1 to close two loop motor dead ends	1901611				\$ 484,000	\$ 484,000	Yes	\$ 484,000	\$ -	Nashua	Yes	\$ 27.81	\$ -	Project cancelled and replaced with repairs in progress above
City of Nashua Sewer - Chase Street	Replace 470 L.F. of 6 inch CP with 470 L.F. of 6 inch DIPC1	1829525, 1900484	DW17-183	26,101	2/2/2018	\$ 176,000	\$ 190,000	Yes	\$ 190,000	\$ 174,882	Nashua	Yes	\$ 27.81	\$ 4,863	Project Completed
City of Nashua Sewer - Ash Street	Replace 101 L.F. of 6 inch CP with 101 L.F. of 12 inch DIPC1	1814847, 1915975	DW17-183	26,101	2/2/2018	\$ 242,400	\$ 182,800	Yes	\$ 182,800	\$ 225,646	Nashua	Yes	\$ 27.81	\$ 6,276	Payment contribution to City of Nashua of \$33,000 included
City of Nashua Sewer - Lake Street	Replace 2590 L.F. of 6 inch CI with 12 inch DIPC1	1814740, 1915976	DW17-183	26,101	2/2/2018	\$ 990,000	\$ 1,710,500	Yes	\$ 1,800,500	\$ 1,780,000	Nashua	Yes	\$ 27.81	\$ 49,562	Payment contribution to City of Nashua of \$344,000 included
City of Nashua Paving - Vilna St.	Replace 15 L.F. of 1.5 inch steel with 2 inch HDPE for paving program	1915860	DW17-183	26,101	2/2/2018	\$ -	\$ 16,750	Yes	\$ 16,750	\$ 20,566	Nashua	Yes	\$ 27.81	\$ 572	Includes final paving - complete
Improvements to BWC	Carrollover Costs to 2018 projects not recovered in prior QCPAC	1900429	0.1 DSRR			\$ -	\$ 3,400	No	\$ 3,400	\$ 3,400	Nashua	Yes	\$ 27.81	\$ 95	Carrollover costs from project completed in 2018, pay for with 0.1 DSRR
Westland Avenue	Carrollover Costs to 2018 projects not recovered in prior QCPAC	1900429	0.1 DSRR			\$ -	\$ 2,280	No	\$ 2,280	\$ 2,280	Nashua	Yes	\$ 27.81	\$ 629	Carrollover costs from project completed in 2018, pay for with 0.1 DSRR
River Street	Carrollover Costs to 2018 projects not recovered in prior QCPAC	1901616	0.1 DSRR			\$ -	\$ 6,890	No	\$ 6,890	\$ 6,890	Nashua	Yes	\$ 27.81	\$ 278	Carrollover costs from project completed in 2018, pay for with 0.1 DSRR
Factory Street	Carrollover Costs to 2018 projects not recovered in prior QCPAC	1902720	0.1 DSRR			\$ -	\$ 20,200	No	\$ 20,200	\$ 24,250	Nashua	Yes	\$ 27.81	\$ 674	Carrollover costs from project completed in 2018, pay for with 0.1 DSRR
Tucker Street	Carrollover Costs to 2018 projects not recovered in prior QCPAC	1906088	0.1 DSRR			\$ -	\$ 213	Yes	\$ 213	\$ 213	Nashua	Yes	\$ 27.81	\$ 57	Carrollover costs from project completed in 2018, pay for with 0.1 DSRR
Shakespeare HP System Fan	Carrollover Costs to 2018 projects not recovered in prior QCPAC	1901942	0.1 DSRR			\$ -	\$ 257	No	\$ 257	\$ 257	Nashua	Yes	\$ 27.81	\$ 7	Carrollover 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				\$ -	\$ 17,900	Yes	\$ 17,900	\$ 18,261	Nashua	Yes	\$ 27.81	\$ 508	Includes final paving - complete
City of Nashua Paving - Ferryside Ct	Replace 35 ft of 1" copper water main crossing Canal St with a 4" DIPC1 Water Main	1908316	DW17-183	26,101	2/2/2018	\$ -	\$ 58,580	Yes	\$ 58,580	\$ 58,580	Nashua	Yes	\$ 27.81	\$ 1,629	Ferryside was replaced last year to the limit of Canal St - complete this is phase 2 extending into Canal St - complete
City of Nashua Paving - Salafit Ct	Replace 1.5" Steel water main and install a 4" DIPC1 Water Main (contaminated area)	1908317	DW17-183	26,101	2/2/2018	\$ -	\$ 95,000	Yes	\$ 95,000	\$ 94,800	Nashua	Yes	\$ 27.81	\$ 2,636	Includes final paving - complete
City of Nashua Paving - Near St - Final Paving and restoration	Final paving restoration and final landscaping	1908318	DW17-183	26,101	2/2/2018	\$ -	\$ 13,000	Yes	\$ 13,000	\$ 13,000	Nashua	Yes	\$ 27.81	\$ 375	60% of this will be recovered from Liberty Gate
City of Nashua Paving - Cheshire St - Final Cleanup	Final cleanup and site clean up	1908323	DW17-183	26,101	2/2/2018	\$ -	\$ 1,400	Yes	\$ 1,400	\$ 1,400	Nashua	Yes	\$ 27.81	\$ 39	Completion of 2018 Workorder Project
City of Nashua - Simon St a Will 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	Nashua	Yes	\$ 27.81	\$ 6,487	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	1900346, 1915989				\$ 24,500	\$ 24,500	Yes	\$ 24,500	\$ 24,500	Nashua	Yes	\$ 27.81	\$ 686	Final paving bid for this project
City of Nashua Paving - Jermun St - Carry over from 2017	Paving only - Carry over from 2017	1915858	DW17-183	26,101	2/2/2018	\$ -	\$ 34,850	Yes	\$ 34,850	\$ 24,850	Nashua	Yes	\$ 27.81	\$ 691	Estimated paving contribution - Originally anticipated for 2020
City of Nashua Paving - Lowell St - Carry over from 2017	Paving only - Carry over from 2017	1915857	DW17-183	26,101	2/2/2018	\$ -	\$ 37,000	Yes	\$ 37,000	\$ 40,000	Nashua	Yes	\$ 27.81	\$ 1,112	Estimated paving contribution - Originally anticipated for 2020
City of Nashua Paving - Glen St - Carry over from 2017	Paving only - Carry over from 2017	1915844	DW17-183	26,101	2/2/2018	\$ -	\$ 10,000	Yes	\$ 10,000	\$ 11,000	Nashua	Yes	\$ 27.81	\$ 306	Estimated paving contribution - Originally anticipated for 2020
City of Nashua Paving - Bead St - Carry over from 2017	Paving only - Carry over from 2018	1915845	DW17-183	26,101	2/2/2018	\$ -	\$ 25,500	Yes	\$ 25,500	\$ 29,000	Nashua	Yes	\$ 27.81	\$ 806	Estimated paving contribution - Originally anticipated for 2020
City of Nashua Paving - Terrace St - Carry over from 2017	Paving only - Carry over from 2018	1915843	DW17-183	26,101	2/2/2018	\$ -	\$ 30,500	Yes	\$ 30,500	\$ 22,000	Nashua	Yes	\$ 27.81	\$ 612	Estimated paving contribution - Originally anticipated for 2020
City of Nashua Paving - Warren St - Carry over from 2017	Paving only - Carry over from 2017	1915842	DW17-183	26,101	2/2/2018	\$ -	\$ 19,500	Yes	\$ 19,500	\$ 26,000	Nashua	Yes	\$ 27.81	\$ 723	Estimated paving contribution - Originally anticipated for 2020
Memmuck River Intake	Year Round Raw Water Intake from Memmuck River	1502180, 1401303, 1701485, 1807560	DW-GTF	Financing		\$ 5,500,000	\$ 6,600,000	Yes	\$ 6,600,000	\$ 6,600,000	Memmuck	Yes	\$ 28.92	\$ -	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.
Asset Management Outside GIS Consulting Services	Outside GIS Consulting Services	1900414	DW17-183	26,101	2/2/2018	\$ 60,000	\$ 60,000	Yes	\$ 60,000	\$ 20,000	Various	No	\$ 28.85	\$ 190,872	
Asset Management Water Modeling Consulting	Water Modeling Consulting	1900414	DW17-183	26,101	2/2/2018	\$ 36,000	\$ 36,000	Yes	\$ 36,000	\$ 20,000	Various	No	\$ 28.85	\$ -	
Asset Management Trouble R2 Unit	Trouble R2 Unit	1900414	DW17-183	26,101	2/2/2018	\$ 14,000	\$ 14,000	Yes	\$ 14,000	\$ 5,000	Various	Yes	\$ 28.85	\$ -	
WAM System Upgrade Cost & Feasibility Study	WAM System Upgrade Cost & Feasibility Study	1900408, 1910219				\$ 45,000	\$ 45,000	Yes	\$ 45,000	\$ 45,000	Nashua	Yes	\$ 28.85	\$ -	Study to select replacement of Struxerg CMMB system which goes unsupported at the end of 2020.
Investment in developer installed services at Exanville Avenue	Per staff	1907481	DW17-183	26,101	2/2/2018	\$ 60,000	\$ 60,000	Yes	\$ 60,000	\$ 85,000	Various	Yes	\$ 28.85	\$ 2,452	Projected based on \$75,935 paid out through 9/30.
2019 Flood Escape	Replace Totaled 2013 Flood Escape	1907481	DW17-183	26,101	2/2/2018	\$ -	\$ 23,998	Yes	\$ 23,998	\$ 23,998	Memmuck	No	\$ 28.92	\$ -	Vehicle in accident. Vehicle totaled and needed to be replaced.
Boiler Dam reconstruction and engineering	Boiler Dam reconstruction and engineering	1824545, 1900432	DW17-183	26,101	2/2/2018	\$ 25,000	\$ 25,000	No	\$ 25,000	\$ 25,000	Memmuck	No	\$ 28.92	\$ -	Design Engineering Work for 2020 Dam rehabilitation
Boilers Dam Letter of Deficiency design/analysis	perform Hydraulic and Hydrologic analysis, design improvements to address spillway capacity	1901734, 1907078				\$ 35,000	\$ 35,000	No	\$ 35,000	\$ 35,000	Memmuck	No	\$ 28.92	\$ -	Letter of deficiency issued by the NHDES Dam Bureau regarding inadequate spillway capacity for this dam
Harris Dam Letter of Deficiency design/analysis	perform Hydraulic and Hydrologic analysis, design improvements to address spillway capacity	1907076				\$ 40,000	\$ 40,000	No	\$ 40,000	\$ 40,000	Memmuck	No	\$ 28.92	\$ -	Letter of deficiency issued by the NHDES Dam Bureau regarding inadequate spillway capacity for this dam
Supply Pond Letter of Deficiency design/analysis	perform Hydraulic and Hydrologic analysis, design improvements to address spillway capacity	1907077													

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 (1)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since 2/9/2019
New Services (10)	Single Family, Owner Build, New Homes		DW17-183	26,101	2/2/2018	\$ 46,000	Yes	Various	Yes	\$ 28.85	\$ 1,327	
Renewed Services (20)	Replacement of failed services		DW17-183	26,101	2/2/2018	\$ 92,000	Yes	Various	Yes	\$ 28.85	\$ 2,654	
Hydrants (10)	Replacement of non functional hydrants		DW17-183	26,101	2/2/2018	\$ 50,000	Yes	Various	Yes	\$ 28.85	\$ 1,443	
Gates (10)	Replacement of Failed Gate Valves		DW17-183	26,101	2/2/2018	\$ 40,000	Yes	Various	Yes	\$ 28.85	\$ 1,154	
Radios (300)	Replace out of warrantee failed radio meter readers		DW17-183	26,101	2/2/2018	\$ 30,000	Yes	Various	Yes	\$ 28.85	\$ 866	
Meters (Growth) 5/8"-2" - Core & CWS (480)	Meters (Growth) 5/8"-2" - Core & CWS (480)		DW17-183	26,101	2/2/2018	\$ 48,000	Yes	Various	Yes	\$ 28.85	\$ 1,385	
Meters 5/8"-6" Lead Meter Exchange - Core & CWS (3000)	Meters 5/8"-6" Lead Meter Exchange - Core & CWS (3000)		DW17-183	26,101	2/2/2018	\$ 300,000	Yes	Various	Yes	\$ 28.85	\$ 8,655	
Entrance Security Gate & Perimeter Fence	Entrance Security Gate & Perimeter Fence		DW17-183	26,101	2/2/2018	\$ 75,000	Yes	Merrimack	Yes	\$ 28.92	\$ 2,169	
Replace 13 yr Vac Trailer - Safety & Maint issue	Replace 13 yr Vac Trailer - Safety & Maint issue		DW17-183	26,101	2/2/2018	\$ 100,000	Yes	Merrimack	Yes	\$ 28.92	\$ 2,892	
Protectus Meter Upgrade	Spitbrook Rd Protectus Meter Upgrade		DW17-183	26,101	2/2/2018	\$ 21,000	Yes	Nashua	Yes	\$ 27.81	\$ 584	
Gilman Street	Replace 1470 LF of 8 inch CI with 12 inch DIPCL		DW17-183	26,101	2/2/2018	\$ 550,000	Yes	Nashua	Yes	\$ 27.81	\$ 15,296	
Elm Street	Replace 875 LF of 6 inch CI with 12 inch DIPCL		DW17-183	26,101	2/2/2018	\$ 559,350	Yes	Nashua	Yes	\$ 27.81	\$ 15,556	
Monroe Street	Replace 310 LF of 4 inch CI with 8 inch DIPCL		DW17-183	26,101	2/2/2018	\$ 122,270	Yes	Nashua	Yes	\$ 27.81	\$ 3,400	
W.Pearl Street	Replace 260 LF of 8 inch CI with 8 inch DIPCL		DW17-183	26,101	2/2/2018	\$ 138,050	Yes	Nashua	Yes	\$ 27.81	\$ 3,839	
Harvard Street	Replace 800 LF of 8 inch CI with 8 inch DIPCL		DW17-183	26,101	2/2/2018	\$ 247,500	Yes	Nashua	Yes	\$ 27.81	\$ 6,883	
West Hollis Street Check Valve Pit	Install at the int of W. Hollis St and Panther Dr.		DW17-183	26,101	2/2/2018	\$ -	Yes	Nashua	Yes	\$ 27.81	\$ -	
NWS Improvements - Manchester Street	Add 2700 LF of 24 inch DIPCL on Manchester St.		DWGTF Financing			\$ 660,000	Yes	Nashua	Yes	\$ 27.81	\$ 18,355	
NWS Improvements -Route 101A and Route 121 (Amherst)	Add 2200 LF of 12 inch DIPCL to close loop					\$ 550,000	Yes	Nashua	Yes	\$ 27.81	\$ 15,296	
NWS Improvements - Tinker Road	Replace 825 LF of 16 inch AC with 825 LF of 24 inch DIPCL					\$ 522,500	Yes	Nashua	Yes	\$ 27.81	\$ 14,531	
NWS Improvements - Deerwood Drive & Amherst St. Intersection	Replace 1300 LF of 12 inch AC with 1300 LF of 24 inch DIPCL					\$ 467,500	Yes	Nashua	Yes	\$ 27.81	\$ 13,001	
NWS Improvements - Deerwood Dr. Northwest Blvd Loop	Add 3400 LF of 20 inch HDPE including RR pipe jacking					\$ 635,800	Yes	Nashua	Yes	\$ 27.81	\$ 17,682	
NWS Improvements Ponemah Rd/Route 101A Loop	Add 2200 LF of 12 inch DIPCL to close two loop major dead ends					\$ 484,000	Yes	Nashua	Yes	\$ 27.81	\$ 13,460	
City of Nashua Sewer - Chase Street	Replace 470 LF of 6 inch CIP with 470 LF of 6 inch DIPCL		DW17-183	26,101	2/2/2018	\$ 2,700,000	Yes	Nashua	Yes	\$ 27.81	\$ 75,087	
City of Nashua Sewer - Ash Street	Replace 710 LF of 6 inch CIP with 710 LF of 12 inch DIPCL		DW17-183	26,101	2/2/2018		Yes	Nashua	Yes	\$ 27.81	\$ -	
City of Nashua Sewer - Lake Street	Replace 2950 LF of 6 inch CI with 12 inch DIPCL		DW17-183	26,101	2/2/2018		Yes	Nashua	Yes	\$ 27.81	\$ -	
Merrimack River Intake	Year Round Raw Water Intake from Merrimack River		DWGTF Financing			\$ 5,500,000	Yes	Merrimack	Yes	\$ 28.92	\$ 159,060	
Asset Management Outside GIS Consulting Services	Outside GIS Consulting Services		DW17-183	26,101	2/2/2018	\$ 60,000	Yes	Various	No		\$ -	
Asset Management Water Modeling Consulting	Water Modeling Consulting		DW17-183	26,101	2/2/2018	\$ 36,000	Yes	Various	No		\$ -	
Asser Management Trimble R2 Units	Trimble R2 Units		DW17-183	26,101	2/2/2018	\$ 14,000	Yes	Various	Yes	\$ 28.85	\$ 404	
Investment in developer installed services at 1xannual revenue	Per tariff		DW17-183	26,101	2/2/2018	\$ 60,000	Yes	Various	Yes	\$ 28.85	\$ 1,731	
Bower Dam reconstruction and engineering	Bower Dam reconstruction and engineering		DW17-183	26,101	2/2/2018	\$ 25,000	No	Merrimack	No		\$ -	Design Engineering Work for 2020 Dam rehabilitation
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild		DW17-183	26,101	2/2/2018	\$ 40,000	Yes	Various	Yes	\$ 28.85	\$ 1,154	
Well Pump replacements	Well Pump replacements		DW17-183	26,101	2/2/2018	\$ 15,000	Yes	Various	Yes	\$ 28.85	\$ 433	
Chemical Feed pump replacements	Chemical Feed pump replacements		DW17-183	26,101	2/2/2018	\$ 10,000	Yes	Various	Yes	\$ 28.85	\$ 289	
Upgrade SCADA historian software, new hardware	upgrade SCADA historian software, new hardware		DW17-183	26,101	2/2/2018	\$ 150,000	Yes	Various	Yes	\$ 28.85	\$ 4,328	
Twin Ridge rebuild softener system, install radon treatment	Twin Ridge rebuild softener system, install radon treatment		DW17-183	26,101	2/2/2018	\$ 50,000	Yes	Plaistow	Yes	\$ 28.85	\$ 1,443	
Misc. Structural Improvements	Misc. Structural Improvements		DW17-183	26,101	2/2/2018	\$ 20,000	Yes	Various	Yes	\$ 28.85	\$ 577	
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased		DW17-183	26,101	2/2/2018	\$ 17,500	Yes	Various	Yes	\$ 28.85	\$ 505	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		DW17-183	26,101	2/2/2018	\$ 30,000	Yes	Various	Yes	\$ 28.85	\$ 866	
WTP Structural/HVAC	WTP Structural/HVAC		DW17-183	26,101	2/2/2018	\$ 10,000	Yes	Nashua	Yes	\$ 28.85	\$ 289	
Purchase new lab equipment	Purchase new lab equipment		DW17-183	26,101	2/2/2018	\$ 20,000	Yes	Nashua	Yes	\$ 28.85	\$ 577	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects		DW17-183	26,101	2/2/2018	\$ 10,000	Yes	Various	Yes	\$ 28.85	\$ 289	
Replace Ferric Chloride Feed pump	Replace Ferric Chloride Feed pump		DW17-183	26,101	2/2/2018	\$ 10,000	Yes	Nashua	Yes	\$ 28.85	\$ 289	
Carbon media changeout-filters 1 & 2	Carbon media changeout-filters 1 & 2		DW17-183	26,101	2/2/2018	\$ 525,000	Yes	Nashua	Yes	\$ 28.85	\$ 15,146	
Add 3rd pump at Main Dunstable Booster, replace 1 existing	Add 3rd pump at Main Dunstable Booster, replace 1 existing		DW17-183	26,101	2/2/2018	\$ 120,000	Yes	Nashua	Yes	\$ 28.85	\$ 3,462	
Replace Kessler Farm booster pump package	Replace 20 year old package booster station pumps and piping. Piping is steel which is beginning to pit		DW17-183	26,101	2/2/2018	\$ 75,000	Yes	Nashua	Yes	\$ 28.85	\$ 2,164	
Stump Pond Subwatershed assessment	Stump Pond Subwatershed assessment		DW17-183	26,101	2/2/2018	\$ 25,000	No	Merrimack	No		\$ -	Study - Amortized expense
Stump Pond Stormwater BMP	Stump Pond Stormwater BMP		DW17-183	26,101	2/2/2018	\$ 20,000	No	Merrimack	No		\$ -	BMP Engineering and Design
Public Education -Watershed signage	Public Education -Watershed signage		DW17-183	26,101	2/2/2018	\$ 20,000	Yes	Merrimack	Yes	\$ 28.85	\$ 577	
Replace 2 Hach Turbidimeters and associated control module	Replace 2 Hach Turbidimeters and associated control module		DW17-183	26,101	2/2/2018	\$ 10,000	Yes	Nashua	Yes	\$ 28.85	\$ 289	
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		DW17-183	26,101	2/2/2018	\$ 40,000	Yes	Nashua	No		\$ -	
Munis FER Enhancements	Munis FER Enhancements		DW17-183	26,101	2/2/2018	\$ 35,000	Yes	Merrimack	No		\$ -	
Wireless Access Points for Main Office	Wireless Access Points for Main Office		DW17-183	26,101	2/2/2018	\$ 14,000	Yes	Merrimack	No		\$ -	
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/Keyboard/Mouse between servers		DW17-183	26,101	2/2/2018	\$ 2,500	Yes	Merrimack	No		\$ -	
IOS Charging Station	Charging Station for multiple iPads to allow for upgrades across multiple devices concurrently.		DW17-183	26,101	2/2/2018	\$ 1,200	Yes	Merrimack	No		\$ -	
Digital Signage for Distribution	Digital Signage for Distribution allowing notices and schedules to be more prominently displayed		DW17-183	26,101	2/2/2018	\$ 2,000	Yes	Merrimack	No		\$ -	
VDI Pilot	A pilot to determine whether a Virtual Desktop Infrastructure would be feasible for our environment		DW17-183	26,101	2/2/2018	\$ 12,000	Yes	Merrimack	No		\$ -	
Misc Hardware	Misc Hardware		DW17-183	26,101	2/2/2018	\$ 20,000	Yes	Merrimack	No		\$ -	
Misc Software	Misc Software		DW17-183	26,101	2/2/2018	\$ 12,000	Yes	Merrimack	No		\$ -	
Website upgrades	Website upgrades		DW17-183	26,101	2/2/2018	\$ 8,000	Yes	Merrimack	No		\$ -	
Implement Customer Balances over the phone	Implement Customer Balances over the phone		DW17-183	26,101	2/2/2018	\$ 4,000	No	Merrimack	No		\$ -	
Pennichuck Water Works Projected 2019 Total Capital Expenditure Budget -						\$ 15,462,170		Projected Property Tax Expense associated with			\$ 429,380	

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

Total Projected PWW QCPAC Capex for 2019 - \$ 15,392,170
Amount funded by SRF/DWGTF - \$ 8,819,800
Amount to be funded by 2020 Bond Issue - \$ 6,572,370

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 2/9/2019
New Services (10)	Single Family, Owner Build, New Homes		DW17-183	26,101	2/2/2018	\$ 46,000	Yes	Various	Yes	\$ 28.85	\$ 1,327	
Renewed Services (20)	Replacement of failed services		DW17-183	26,101	2/2/2018	\$ 92,000	Yes	Various	Yes	\$ 28.85	\$ 2,654	
Hydrants (10)	Replacement of non functional hydrants (Run rate) (8 YTD)		DW17-183	26,101	2/2/2018	\$ 50,000	Yes	Various	Yes	\$ 28.85	\$ 1,443	
Gates (10)	Replacement of Failed Gate Valves		DW17-183	26,101	2/2/2018	\$ 40,000	Yes	Various	Yes	\$ 28.85	\$ 1,154	
Radios (300)	Replace out of warrantee failed radio meter readers		DW17-183	26,101	2/2/2018	\$ 30,000	Yes	Various	Yes	\$ 28.85	\$ 866	
Meters (Growth) 5/8"-2" - Core & CWS (480)	Meters (Growth) 5/8"-2" - Core & CWS (480)		DW17-183	26,101	2/2/2018	\$ 48,000	Yes	Various	Yes	\$ 28.85	\$ 1,385	
Meters 5/8"-6" Lead Meter Exchange - Core & CWS (1000)	Meters 5/8"-6" Lead Meter Exchange - Core & CWS (1000)		DW17-183	26,101	2/2/2018	\$ 100,000	Yes	Various	Yes	\$ 28.85	\$ 2,885	
New Utility Vehicle (2)	New Utility Vehicles to replace existing high mileage/maintenance vehicles		DW17-183	26,101	2/2/2018	\$ 130,000	Yes	Merrimack	No	\$ 28.92	\$ -	
New Utility Van (2)	New Utility Vans to replace existing high mileage/maintenance vans		DW17-183	26,101	2/2/2018	\$ 70,000	Yes	Merrimack	No	\$ 28.92	\$ -	
Protectus Meter Upgrade	Protectus Meter Upgrade -		DW17-183	26,101	2/2/2018	\$ 22,000	Yes	Nashua	Yes	\$ 27.81	\$ 612	
Trimble Units for Meter Reading (2)	Replacement of CE Meter Reading Equipment (2)		DW17-183	26,101	2/2/2018	\$ 16,000	Yes	Merrimack	No	\$ 28.92	\$ -	
Residual paving from 2019 main replacement	Residual paving from prior year main replacement		DW17-183	26,101	2/2/2018	\$ -	Yes	Nashua	Yes	\$ 27.81	\$ -	Pavement for 2019 projects moved back to 2019 Capex
Brook Street	Replace 225 LF of 4 inch and 915 LF of 6 inch CI with 1140 LF of 8 inch DIPCL		DW17-183	26,101	2/2/2018	\$ 422,730	Yes	Nashua	Yes	\$ 27.81	\$ 11,756	
Hamilton Street	Replace 410 LF of 6 inch CI with 4 inch DIPCL		DW17-183	26,101	2/2/2018	\$ 97,130	Yes	Nashua	Yes	\$ 27.81	\$ 2,701	
Ash Street	Replace 510 LF of 6 inch CI with 8 inch DIPCL		DW17-183	26,101	2/2/2018	\$ 191,510	Yes	Nashua	Yes	\$ 27.81	\$ 5,326	
Burritt Street	Replace 425 LF of 4 inch CI with 8 inch DIPCL		DW17-183	26,101	2/2/2018	\$ 157,080	Yes	Nashua	Yes	\$ 27.81	\$ 4,368	
Burritt Street	Replace 125 LF of 4 inch CI with 4 inch DIPCL		DW17-183	26,101	2/2/2018	\$ 43,010	Yes	Nashua	Yes	\$ 27.81	\$ 1,196	
Verona Street	Replace 675 LF of 6 inch CI with 8 inch DIPCL		DW17-183	26,101	2/2/2018	\$ 251,130	Yes	Nashua	Yes	\$ 27.81	\$ 6,984	
Sarasota Ave	Replace 250 LF of 6 inch CI with 8 inch DIPCL		DW17-183	26,101	2/2/2018	\$ 92,620	Yes	Nashua	Yes	\$ 27.81	\$ 2,576	
Alld Street	Replace 1860 LF of 6 & 8 inch CI with 12 inch DIPCL		DW17-183	26,101	2/2/2018	\$ 966,570	Yes	Nashua	Yes	\$ 27.81	\$ 26,880	
Lawndale Avenue	Replace 1085 LF of 6 inch CI with 12 inch DIPCL		DW17-183	26,101	2/2/2018	\$ 546,920	Yes	Nashua	Yes	\$ 27.81	\$ 15,210	
Taylor Road (Lynn St to Fifield St)	Replace 725 LF of 8 inch CI with 12 inch DIPCL		DW17-183	26,101	2/2/2018	\$ 365,750	Yes	Nashua	Yes	\$ 27.81	\$ 10,172	
Temple St (south to Gorman)	Replace 900 LF of 8 inch CI with 12 inch DIPCL		DW17-183	26,101	2/2/2018	\$ 457,160	Yes	Nashua	Yes	\$ 27.81	\$ 12,714	
School Street (High to W. Pearl Alleyway)	Replace 400 LF of 4 inch CI with 8 inch DIPCL		DW17-183	26,101	2/2/2018	\$ 151,140	Yes	Nashua	Yes	\$ 27.81	\$ 4,203	
Water Main Replacement - City Sewer Projects	Replacement of various sections of CI pipe		DW17-183	26,101	2/2/2018	\$ -	Yes	Nashua	Yes	\$ 27.81	\$ -	
Kessler Farm Tank Replacement	Kessler Farm Tank Replacement		DW17-183	26,101	2/2/2018	\$ 3,388,000	Yes	Nashua	Yes	\$ 27.81	\$ 94,220	
Replace Engineering Pickup	Replace Pickup with > 150,000 miles		DW17-183	26,101	2/2/2018	\$ 35,000	Yes	Merrimack	No	\$ 28.92	\$ -	
Replace Engineering SUV	Replace SUV with > 150,000 miles		DW17-183	26,101	2/2/2018	\$ 30,000	Yes	Merrimack	No	\$ 28.92	\$ -	
Investment in developer installed services at 1xannual revenue	Per tariff		DW17-183	26,101	2/2/2018	\$ 60,000	Yes	Various	Yes	\$ 28.85	\$ 1,731	
Bowers Dam reconstruction	Bowers Dam reconstruction		DW17-183	26,101	2/2/2018	\$ 900,000	Yes	Merrimack	Yes	\$ 28.92	\$ 26,028	
WTP Perimeter fence	WTP Perimeter fence		DW17-183	26,101	2/2/2018	\$ 80,000	Yes	Merrimack	Yes	\$ 28.92	\$ 2,314	
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild		DW17-183	26,101	2/2/2018	\$ 55,000	Yes	Various	Yes	\$ 28.85	\$ 1,587	
Well Pump replacements	Well Pump replacements		DW17-183	26,101	2/2/2018	\$ 18,750	Yes	Various	Yes	\$ 28.85	\$ 541	
Chemical Feed pump replacements	Chemical Feed pump replacements		DW17-183	26,101	2/2/2018	\$ 15,000	Yes	Various	Yes	\$ 28.85	\$ 433	
Install/replace treatment systems in small CWS	Install/replace treatment systems in small CWS		DW17-183	26,101	2/2/2018	\$ 18,750	Yes	Various	Yes	\$ 28.85	\$ 541	
Misc. Structural Improvements	Misc. Structural Improvements		DW17-183	26,101	2/2/2018	\$ 27,500	Yes	Various	Yes	\$ 28.85	\$ 793	
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased		DW17-183	26,101	2/2/2018	\$ 17,500	Yes	Various	Yes	\$ 28.85	\$ 505	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		DW17-183	26,101	2/2/2018	\$ 27,500	Yes	Various	Yes	\$ 28.85	\$ 793	
Well Rehabilitation	Well Rehabilitation		DW17-183	26,101	2/2/2018	\$ 40,000	Yes	Various	Yes	\$ 28.85	\$ 1,154	
WTP Structural/HVAC	WTP Structural/HVAC		DW17-183	26,101	2/2/2018	\$ 7,500	Yes	Nashua	Yes	\$ 27.81	\$ 209	
Purchase new lab equipment	Purchase new lab equipment		DW17-183	26,101	2/2/2018	\$ 15,000	Yes	Nashua	No	\$ 27.81	\$ -	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects		DW17-183	26,101	2/2/2018	\$ 7,500	Yes	Various	Yes	\$ 28.85	\$ 216	
Replace Vehicle	Replace Vehicle		DW17-183	26,101	2/2/2018	\$ 65,000	Yes	Nashua	No	\$ 27.81	\$ -	
Replace Vehicle	Replace Vehicle		DW17-183	26,101	2/2/2018	\$ 65,000	Yes	Nashua	No	\$ 27.81	\$ -	
Replace Vehicle	Replace Vehicle		DW17-183	26,101	2/2/2018	\$ 40,000	Yes	Nashua	No	\$ 27.81	\$ -	
Replace Vehicle	Replace Vehicle		DW17-183	26,101	2/2/2018	\$ 40,000	Yes	Nashua	No	\$ 27.81	\$ -	
Carbon Media changeout - filters 3 & 4	Carbon Media changeout - filters 3 & 4		DW17-183	26,101	2/2/2018	\$ 525,000	Yes	Nashua	Yes	\$ 27.81	\$ 14,600	
Arsenic treatment to respond to new MCL	Arsenic treatment to respond to new MCL		DW17-183	26,101	2/2/2018	\$ 15,000	Yes	Various	Yes	\$ 28.85	\$ 433	
Various IT Projects	Maintain and replace aging software and hardware		DW17-183	26,101	2/2/2018	\$ 300,000	Yes	Merrimack	No	\$ 28.92	\$ -	
Pennichuck Water Works Projected 2020 Total Capital Expenditure Budget -						\$ 10,179,750		Projected Property Tax Expense associated with		\$ 262,509		

Total Projected PWW QCPAC Capex for 2020 - \$ 10,179,750

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 (1)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since 2/9/2019
New Services (10)	Single Family, Owner Build, New Homes			Future Financing Petition		\$ 46,000	Yes	Various	Yes	\$ 28.85	\$ 1,327	
Renewed Services (20)	Replacement of failed services			Future Financing Petition		\$ 92,000	Yes	Various	Yes	\$ 28.85	\$ 2,654	
Hydrants (10)	Replacement of non functional hydrants (Run rate) (8 YTD)			Future Financing Petition		\$ 50,000	Yes	Various	Yes	\$ 28.85	\$ 1,443	
Gates (10)	Replacement of Failed Gate Valves			Future Financing Petition		\$ 40,000	Yes	Various	Yes	\$ 28.85	\$ 1,154	
Radios (2750)	Replace out of warrantee failed radio meter readers			Future Financing Petition		\$ 275,000	Yes	Various	Yes	\$ 28.85	\$ 7,934	
Meters (Growth) 5/8"-2" - Core & CWS (480)	Meters (Growth) 5/8"-2" - Core & CWS (480)			Future Financing Petition		\$ 48,000	Yes	Various	Yes	\$ 28.85	\$ 1,385	
Meters 5/8"-6" Meter Exchange - Core & CWS (1000)	Meters 5/8"-6" Lead Meter Exchange - Core & CWS (1000)			Future Financing Petition		\$ 100,000	Yes	Various	Yes	\$ 28.85	\$ 2,885	
New Utility Vehicle (2)	New Utility Vehicles to replace existing high mileage/maintenance vehicles			Future Financing Petition		\$ 130,000	Yes	Merrimack	No	\$ 28.92	\$ -	
New Utility Van (2)	New Utility Vans to replace existing high mileage/maintenance vans			Future Financing Petition		\$ 70,000	Yes	Merrimack	No	\$ 28.92	\$ -	
Protectus Meter Upgrade	Protectus Meter Upgrade			Future Financing Petition		\$ 22,000	Yes	Nashua	Yes	\$ 27.81	\$ 612	
New Vac/Valve Trailer	Replacement of 10yr old Vac for safety & Maintenance Reasons			Future Financing Petition		\$ 70,000	Yes	Merrimack	No	\$ 28.92	\$ -	
Residual paving from prior year main replacement	Residual paving from prior year main replacement			Future Financing Petition		\$ 653,350	Yes	Nashua	Yes	\$ 27.81	\$ 18,170	
Benson Avenue	Replace 550 LF of 4 inch CI with 8 inch DIPCL			Future Financing Petition		\$ 210,650	Yes	Nashua	Yes	\$ 27.81	\$ 5,858	
Spaulding Street	Replace 950 LF of 6 inch CI with 8 inch DIPCL			Future Financing Petition		\$ 362,450	Yes	Nashua	Yes	\$ 27.81	\$ 10,080	
Alstead Avenue	Replace 240 LF of 4 inch CI with 4 inch DIPCL			Future Financing Petition		\$ 80,300	Yes	Nashua	Yes	\$ 27.81	\$ 2,233	
Spaulding Avenue	Replace 430 LF of 6, 2, & 1.25 inch CI with 4 inch DIPCL			Future Financing Petition		\$ 104,720	Yes	Nashua	Yes	\$ 27.81	\$ 2,912	
St Lazare Street	Replace 415 LF of 2 inch CI with 4 inch DIPCL			Future Financing Petition		\$ 100,980	Yes	Nashua	Yes	\$ 27.81	\$ 2,808	
Ingalls St (St Camille to end)	Replace 200 LF of 1.5 inch CI with 4 inch DIPCL			Future Financing Petition		\$ 48,730	Yes	Nashua	Yes	\$ 27.81	\$ 1,355	
Nye Avenues	Replace 400 LF of 2 & 1.5 inch CI with 4 inch DIPCL			Future Financing Petition		\$ 96,140	Yes	Nashua	Yes	\$ 27.81	\$ 2,674	
Copp Street	Replace 350 LF of 6 inch CI with 8 inch DIPCL			Future Financing Petition		\$ 136,620	Yes	Nashua	Yes	\$ 27.81	\$ 3,799	
Gray Avenue	Replace 360 LF of 6 inch CI with 6 inch DIPCL			Future Financing Petition		\$ 112,530	Yes	Nashua	Yes	\$ 27.81	\$ 3,129	
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	\$ 27.81	\$ 36,709	
City Sewer Projects	Replace CI with DICLP			Future Financing Petition		\$ 550,000	Yes	Nashua	Yes	\$ 27.81	\$ 15,296	
Sawyer Street	Replace 1600 LF of 6 inch CI with 12 inch DIPCL			Future Financing Petition		\$ 528,000	Yes	Nashua	Yes	\$ 27.81	\$ 14,684	
Woodward Street	Replace 360 LF 8 inch CI with 470 LF 8 inch DIPCL			Future Financing Petition		\$ 155,100	Yes	Nashua	Yes	\$ 27.81	\$ 4,313	
Blosson 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	\$ 27.81	\$ 22,026	
Linwood Street	Replace 960 LF of 6 inch CI with 8 inch DIPCL			Future Financing Petition		\$ 316,800	Yes	Nashua	Yes	\$ 27.81	\$ 8,810	
Balcom Street	Replace 1240 LF 6 inch CI with 1240 LF 8 inch DIPCL			Future Financing Petition		\$ 409,200	Yes	Nashua	Yes	\$ 27.81	\$ 11,380	
Euclid Avenue	Replace 425 LF 6 inch CI with 425LF 8 inch DIPCL			Future Financing Petition		\$ 140,250	Yes	Nashua	Yes	\$ 27.81	\$ 3,900	
Fairview Street	Replace 800 LF 6 inch CI with 800 LF 8 inch DIPCL			Future Financing Petition		\$ 264,000	Yes	Nashua	Yes	\$ 27.81	\$ 7,342	
Sargent Street	Replace 1900 LF 6 inch CI with 1900 LF 16 inch DIPCL			Future Financing Petition		\$ 627,000	Yes	Nashua	Yes	\$ 27.81	\$ 17,437	
Courtland Street	Replace 1170 LF 4 inch CI with 1170 LF 16 inch DIPCL			Future Financing Petition		\$ 386,100	Yes	Nashua	Yes	\$ 27.81	\$ 10,737	
Replace Engineering Pickup	Replace Engineering Pickup with > 150,000 Miles			Future Financing Petition		\$ 36,000	Yes	Merrimack	No	\$ 28.92	\$ -	
Replace Engineering SUV	Replace Engineering SUV with > 150,000 Miles			Future Financing Petition		\$ 30,000	Yes	Merrimack	No	\$ 28.92	\$ -	
Milford Booster Station	Replace/Relocate/Upgrade the Milford Booster Station (>2MGD)			Future Financing Petition		\$ 660,000	Yes	Amherst	Yes	\$ 28.85	\$ 19,041	
Investment in developer installed services at 1xannual revenue	Per tariff			Future Financing Petition		\$ 60,000	Yes	Various	Yes	\$ 28.85	\$ 1,731	
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild			Future Financing Petition		\$ 55,000	Yes	Various	Yes	\$ 28.85	\$ 1,587	
Well Pump replacements	Well Pump replacements			Future Financing Petition		\$ 18,750	Yes	Various	Yes	\$ 28.85	\$ 541	
Chemical Feed pump replacements	Chemical Feed pump replacements			Future Financing Petition		\$ 15,000	Yes	Various	Yes	\$ 28.85	\$ 433	
Install/replace treatment systems in small CWS	Install/replace treatment systems in small CWS			Future Financing Petition		\$ 15,000	Yes	Various	Yes	\$ 28.85	\$ 433	
Misc. Structural Improvements	Misc. Structural Improvements			Future Financing Petition		\$ 20,000	Yes	Various	Yes	\$ 28.85	\$ 577	
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased			Future Financing Petition		\$ 20,000	Yes	Various	Yes	\$ 28.85	\$ 577	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical			Future Financing Petition		\$ 30,000	Yes	Various	Yes	\$ 28.85	\$ 866	
Well Rehabilitation	Well Rehabilitation			Future Financing Petition		\$ 50,000	Yes	Various	Yes	\$ 28.85	\$ 1,443	
WTP Structural/HVAC	WTP Structural/HVAC			Future Financing Petition		\$ 10,000	Yes	Nashua	Yes	\$ 27.81	\$ 278	
Purchase new lab equipment	Purchase new lab equipment			Future Financing Petition		\$ 20,000	Yes	Nashua	No	\$ 27.81	\$ -	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects			Future Financing Petition		\$ 10,000	Yes	Various	Yes	\$ 28.85	\$ 289	
Replace Vehicle	Replace Vehicle			Future Financing Petition		\$ 65,000	Yes	Nashua	No	\$ 27.81	\$ -	
Replace Vehicle	Replace Vehicle			Future Financing Petition		\$ 65,000	Yes	Nashua	No	\$ 27.81	\$ -	
Replace Vehicle	Replace Vehicle			Future Financing Petition		\$ 40,000	Yes	Nashua	No	\$ 27.81	\$ -	
Replace Vehicle	Replace Vehicle			Future Financing Petition		\$ 40,000	Yes	Nashua	No	\$ 27.81	\$ -	
Carbon Media changeout - filters 5 & 5	Carbon Media changeout - filters 5 & 5			Future Financing Petition		\$ 525,000	Yes	Nashua	Yes	\$ 27.81	\$ 14,600	
Various projects	Various projects			Future Financing Petition		\$ 300,000	Yes	Merrimack	No	\$ 28.85	\$ -	
Replacement of CMMS System (Synergen)	Replacement of CMMS System (Synergen)			Future Financing Petition		\$ 1,000,000	Yes	Merrimack	No	\$ 28.85	\$ -	
Pennichuck Water Works Projected 2021 Total Capital Expenditure Budget -						\$ 11,422,670		Projected Property Tax Expense associated with		\$ 267,440		

Total Projected PWW QCPAC Capex for 2021 - \$ 11,422,670

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

Pennichuck Water Works
Accrued Liabilities - Retainage
Account # 241350-2000-001

Accrued Liabilities - Retainage	Balance	January-18	February-18	March-18	April-18	May-18	June-18	July-18	August-18	September-18	October-18	November-18	December-18	Balance
2018 Main St Area Improvement #s 1806801/1806802/1806803/1806804/1806435/ 1806794/1806795/1806796/1806797/1806798/ 1806799/1606835	-	-	-	-	-	-	-	(20,420.50)	(25,173.63)	-	(7,475.46)	(18,821.11)	40,329.97	(31,560.73)
2018 Misc Water Main Improvement #s 1806433/1806828/1806829/180630/180631/ 1806836/1813532	-	-	-	-	-	-	-		(17,779.21)	(25,885.53)	-	(19,591.54)	(10,501.99)	(73,758.27)
N. Granese & Sons														
Bedford Water Expansion PWW #1800734	-	-	-	-	-	-	-	-	-	(13,038.50)	(9,790.00)	-	-	(22,828.50)
NE Earth Mechanics														
Shakespeare HP System Expansion #1813926	-	-	-	-	-	-	-	-	-	-	(19,289.07)	-	(402.00)	(19,691.07)
RWC Enterprises														
Ferryalls Ct #1825319	-	-	-	-	-	-	-	-	-	-	(3,018.00)		(6,149.45)	(9,167.45)
Kinsley St #1825911	-	-	-	-	-	-	-	-	-	-	(6,625.00)		-	(6,625.00)
W. F. Grace														
Marshall St. Water Main #1813935	-	-	-	-	-	-	-	(2,839.05)	-	(17,664.10)	-	(13,112.55)	-	(33,615.70)
TOTAL	-	-	-	-	-	-	-	(23,259.55)	(42,952.84)	(56,588.13)	(46,197.53)	(51,525.20)	23,276.53	(197,246.72)