

	Approved DW19-084 Revenues	QCPAC For 2019 Capital Additions	QCPAC Surcharge for 2019 Capital Additions	QCPAC For 2020 Capital Additions pro forma	QCPAC Surcharge for 2020 Capital Additions	QCPAC For 2021 Capital Additions pro forma	QCPAC Surcharge for 2021 Capital Additions	QCPAC For 2022 Capital Additions pro forma	QCPAC Surcharge for 2022 Capital Addition	QCPAC For 2023 Capital Additions pro forma	QCPAC Surcharge for 2023 Capital Additions	QCPAC For 2023 Capital Additions pro forma	QCPAC Surcharge for 2023 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
DW19-084 Operating Expense Revenue Requirement	\$ 21,296,618 (1)	\$ 416,593	\$ 21,713,211	\$ 155,083 (4)	\$ 21,868,294	\$ 176,160 (4)	\$ 22,044,454 (4)	\$ 137,708 (4)	\$ 22,182,162	\$ 162,214 (4)	\$ 22,344,376	\$ 282,692 (4)	\$ 22,627,068
DW19-084 Annual Principal and Interest Payments	\$ 6,176,477 (2)	\$ 854,442	\$ 7,030,919	\$ 351,395 (5)	\$ 7,382,314	\$ 408,348 (6)	\$ 7,790,662	\$ 411,634 (10)	\$ 8,202,296	\$ 532,136 (10)	\$ 8,734,432	\$ 816,561 (6)	\$ 9,550,993
Principal and Interest Coverage Requirement	1.10 (3)		1.10		1.10		1.10		1.10		1.10		1.10
DW19-084 Principal and Interest Revenue Requirement	\$ 6,794,124		\$ 7,734,011		\$ 8,120,546		\$ 8,569,728		\$ 9,022,525		\$ 9,607,875		\$ 10,506,093
DW19-084 Revenue Requirement	\$ 35,819,774		\$ 37,176,254		\$ 37,717,871		\$ 38,343,214		\$ 38,933,719		\$ 39,681,283		\$ 40,862,192
DW19-084 Revenue Requirement less Other Revenues	\$ 35,399,062 (12)		\$ 36,755,541		\$ 37,297,159		\$ 37,922,502		\$ 38,513,007		\$ 39,260,571		\$ 40,441,480
DW19-084 Revenue Requirement less Other Revenues less Fixed Special Contract Revenues	\$ 34,792,618 (8)		\$ 36,149,098		\$ 36,690,716 (8)		\$ 37,316,058 (8)		\$ 37,906,564		\$ 38,654,127		\$ 39,835,036
Percent QCPAC Surcharge (7)			3.90%		1.56%		1.80%		1.70%		2.15%		3.39%
Cumulative QCPAC Surcharge (11)			3.90%		5.46%		7.25%		8.95%		11.10%		14.49%
Cumulative QCPAC monthly increase in average single family residential bill			\$ 2.17		\$ 3.04		\$ 4.04		\$ 4.98		\$ 6.18		\$ 8.07
Average monthly single family residential bill with QCPAC	\$ 55.65		\$ 57.82		\$ 58.69		\$ 59.69		\$ 60.63		\$ 61.83		\$ 63.72

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 NHPUC Order #26,425.
- (2) Annual Principal and interest payments for PWW debt associated with all plant in service as approved in DW 19-084.
- (3) Principal and interest coverage of 1.10 is as approved in DW 16-806.
- (4) QCPAC operating expenses are based on the property taxes for used and useful plant added during the year
- (5) Portion of Annual Principal and interest payments for debt associated with plant placed in service between 1/1/2020 and 12/31/2020 based on a 30 year bond with an actual total all in interest rate of 4.277920% being the all-in TIC (Total Interest Cost) for the bonded amount of \$6,695,000 resulting in an annual P&I payment of \$375,584
- (6) QCPAC Principal and Interest expenses for Bonds sold on April 26, 2022 to pay for 2021 QCPs are as follows:
 

3	year bond with an actual total all in interest rate of 4.277920% being the all-in TIC (Total Interest Cost) for the bonded amount of \$90,000 resulting in an annual P&I payment of \$32,764
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- (7) QCPAC percent revenue surcharges based on increase in revenues from the revenues granted in DW 19-084
- (8) Reduction in revenues associated with fixed contracts as follows:
 

Hudson Annual Fixed Chg	\$ 32,800	Milford Annual Fixed Chg	\$ 81,000	A-B Annual Fixed Chg	\$ 371,430	PEU Annual Fixed Chg	\$ 121,213
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- (9) QCPAC Principal and Interest expenses for DWGITF financing are based on a 30 year bond with interest rate of 3.38%
- (10) QCPAC Principal and Interest expenses for 2023, 2024 and 2025 Bonds to be 2022, 2023 and 2024 QCPs are based on 6.00% for 2022 through 2024 Capital Expenditures unless funding is via an SRF/DWGITF financing.
- (11) Cumulative surcharge percentage is based on total surcharge revenues collected divided by the revenues granted in DW 19-084 that are impacted by the QCPAC.
- (12) Operating expense revenues approved in DW 19-084 less total Other Revenues of \$ 420,712

**Impact on Single Family Residential Home:**

Monthly meter charge approved in DW 19-084 -	\$ 24.34
Average Single Family Consumption per DW 19-084 (CCF) -	7.77
Volumetric Charge approved in DW 19-084 -	\$ 4.03
Ave. Single Family monthly bill with rates approved in DW 19-084 -	\$ 55.65

Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Board Approved 2019 Capex Budget	Board Approved 2019 Capex Budget, Revised 8/24/19	Eligible for 2020 QCPAC Surcharge	Final QCPAC eligible Project Costs as of 12/31/2019	Community	Taxable	Tax Rate (I)	QCPAC Eligible Property Tax Expense (Based on Qtrly Update)	Explanation for Change/Addition/Deletion since Petition Filing
New Services (10)	Single Family, Owner Build, New Homes	20 workorders	DW17-183	26,101	2/2/2018	\$ 46,000	\$ 46,000	Yes	\$ 69,936	Various	Yes	\$ 27.02	\$ 1,890	12 installed through 12/31.
Renewed Services (20)	Replacement of failed services	21, 22 & 23 workorders	DW17-183	26,101	2/2/2018	\$ 92,000	\$ 92,000	Yes	\$ 101,648	Various	Yes	\$ 27.02	\$ 2,747	29 installed through 12/31.
Hydrants (10)	Replacement of non-functional hydrants	30 & 31 workorders	DW17-183	26,101	2/2/2018	\$ 50,000	\$ 50,000	Yes	\$ 40,209	Various	Yes	\$ 27.02	\$ 1,086	7 installed through 12/31.
Gates (10)	Replacement of Failed Gate Valves	12 & 13 workorders	DW17-183	26,101	2/2/2018	\$ 40,000	\$ 40,000	Yes	\$ 10,573	Various	Yes	\$ 27.02	\$ 286	4 installed through 12/31.
Radios (2750)	Replace out of warrant failed radio meter readers.	54 workorders	DW17-183	26,101	2/2/2018	\$ 275,000	\$ 30,000	Yes	\$ 48,942	Various	Yes	\$ 27.02	\$ 1,322	Deferred Radio Replacement program (Radios are 12 years old). 495 replaced through 12/31.
Meters (Growth) 5/8"-2" - Core & CWS (480)	Meters (Growth) 5/8"-2" - Core & CWS (480)	50 workorders	DW17-183	26,101	2/2/2018	\$ 48,000	\$ 48,000	Yes	\$ 207,025	Various	Yes	\$ 27.02	\$ 5,594	1732 installed/replaced through 12/31.
Meters 5/8"-6" Lead Meter Exchange - Core & CWS (3000)	Meters 5/8"-6" Lead Meter Exchange - Core & CWS (3000)	50 workorders	DW17-183	26,101	2/2/2018	\$ 300,000	\$ 300,000	Yes	\$ -	Various	Yes	\$ 27.02	\$ -	
Entrance Security Gate & Perimeter Fence	Entrance Security Gate & Perimeter Fence	1901598	DW17-183	26,101	2/2/2018	\$ 75,000	\$ 75,000	Yes	\$ 66,204	Merrimack	Yes	\$ 28.86	\$ 1,911	
Replace 13 yr Vac Trailer - Safety & Maint issue	Replace 13 yr Vac Trailer - Safety & Maintenance issue	1917721	DW17-183	26,101	2/2/2018	\$ 100,000	\$ -	Yes	\$ 29,710	Merrimack	Yes	\$ 28.86	\$ 857	Then Company was leasing a vac machine for 2019. It was decided to buy out the lease.
Protectus Meter Upgrade	Sprbrook Rd Protectus Meter Upgrade	n/a	DW17-183	26,101	2/2/2018	\$ 21,000	\$ 21,000	Yes	\$ -	Nashua	Yes	\$ 26.23	\$ -	Deferred until 2020.
Pipe Freeze Kits (2)	RoFrost Turbo 2 Electric Pipe Freeze Kits	1915135	DW17-183	26,101	2/2/2018	\$ -	\$ 7,400	Yes	\$ 6,970	Nashua	No	\$ 26.23	\$ -	Existing Freeze kits have failed and not repairable 15+ years old.
Plate Compactors (4)	Replacement of failed compactors unable to obtain repair parts.	1918551	DW17-183	26,101	2/2/2018	\$ -	\$ 17,500	Yes	\$ 15,888	Nashua	No	\$ 26.23	\$ -	Existing units have failed and parts for repair are not available.
Network Digital Display for Distribution Department	Relocate & network display to Assignment room & new 75" display in Conference Room.	1917719	0.1 DSRR			\$ -	\$ 2,700	No	\$ 2,597	Merrimack	No	\$ 28.86	\$ -	Existing steel sander rusted through and was replaced with new sander.
Poly-Caster Sander	Poly-Caster Sander	1917720	DW17-183	26,101	2/2/2018	\$ -	\$ 7,460	Yes	\$ 7,460	Merrimack	No	\$ 28.86	\$ -	
2018 Dodge Ram 2500 (#313)	Carryover Costs to 2018 projects not recovered in prior QCPAC.	1907613	0.1 DSRR			\$ -	\$ 1,969	No	\$ 1,969	Merrimack	No	\$ 28.86	\$ -	
2018 Dodge Ram 2500 (#314)	Carryover Costs to 2018 projects not recovered in prior QCPAC.	1907612	0.1 DSRR			\$ -	\$ 1,969	No	\$ 1,969	Merrimack	No	\$ 28.86	\$ -	
2018 Dodge Ram 2500 (#315)	Carryover Costs to 2018 projects not recovered in prior QCPAC.	1907615	0.1 DSRR			\$ -	\$ 2,542	No	\$ 2,542	Merrimack	No	\$ 28.86	\$ -	
2018 Dodge Ram Promaster 1500 Cargo Van (#347)	Carryover Costs to 2018 projects not recovered in prior QCPAC.	1907987	0.1 DSRR			\$ -	\$ 1,060	No	\$ 1,060	Merrimack	No	\$ 28.86	\$ -	
2018 Dodge Ram Promaster 1500 Cargo Van (#348)	Carryover Costs to 2018 projects not recovered in prior QCPAC.	1907988	0.1 DSRR			\$ -	\$ 1,060	No	\$ 1,060	Merrimack	No	\$ 28.86	\$ -	
2018 Dodge Ram Promaster 1500 Cargo Van (#349)	Carryover Costs to 2018 projects not recovered in prior QCPAC.	1907989	0.1 DSRR			\$ -	\$ 1,060	No	\$ 1,060	Merrimack	No	\$ 28.86	\$ -	
Meter Data Logging Equipment	Carryover Costs to 2018 projects not recovered in prior QCPAC.	1907885	0.1 DSRR			\$ -	\$ 2,849	No	\$ 2,850	Various	Yes	\$ 27.02	\$ 77	Equipment used in leak detection.
Gilman Street	Replace 1470 LF of 8 inch CI with 12 inch DIPCL.	1607377, 1702856, 1806433, 1901176	DW17-183	26,101	2/2/2018	\$ 550,000	\$ 615,000	Yes	\$ 661,270	Nashua	Yes	\$ 26.23	\$ 17,345	Pavement contribution to the City of Nashua paid in 2018 (\$127,264).
Elm Street	Replace 875 LF of 6 inch CI with 12 inch DIPCL.	1702871, 1812907, 1901599	DW17-183	26,101	2/2/2018	\$ 559,350	\$ 255,000	Yes	\$ 373,328	Nashua	Yes	\$ 26.23	\$ 9,792	Pavement contribution to City of Nashua of \$67,650 included.
Monroe Street	Replace 310 LF of 4 inch CI with 8 inch DIPCL.	1702866, 1812908, 1901602	DW17-183	26,101	2/2/2018	\$ 122,270	\$ 120,000	Yes	\$ 97,541	Nashua	Yes	\$ 26.23	\$ 2,558	Pavement contribution to City of Nashua of \$18,000 included.
Garden Street	Replace 74 LF of 8" CIP with 8 inch DIPCL and reconnect City Hall Fire serviced missed during Elm St work.	1918487	DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ 61,918	Nashua	Yes	\$ 26.23	\$ 1,624	Connecting Nashua City Hall sprinkler connection that was missed during the Elm St project. Also replaces a portion of the Garden Street water main. Per City almost all work had to be performed on Sunday nights. Final paving in Spring 2020 \$18,000 not included.
W. Pearl Street	Replace 340 LF of 8" CIP with 120 LF of 12" DIPCL and 220 LF of 8" DIPCL.	1702869, 1812909, 1901603	DW17-183	26,101	2/2/2018	\$ 138,050	\$ 140,000	Yes	\$ 178,120	Nashua	Yes	\$ 26.23	\$ 4,672	Pavement contribution to City of Nashua of \$27,200 included.
Harvard Street	Replace 800 LF of 8 inch CI with 8 inch DIPCL.	1814742, 1901604	DW17-183	26,101	2/2/2018	\$ 247,500	\$ 249,200	Yes	\$ 259,668	Nashua	Yes	\$ 26.23	\$ 6,811	Pavement contribution to City of Nashua of \$38,000 included.
West Hollis Street Check Valve Pit	Install at the int of W. Hollis St and Panther Dr.	n/a	DW17-183	26,101	2/2/2018	\$ 88,000	\$ -	Yes	\$ -	Nashua	Yes	\$ 26.23	\$ -	Deferred to future year to accommodate additional water main projects.
NWS Improvements - Manchester Street	Add 2700 LF of 24 inch DIPCL on Manchester St.	1806805, 1900422				\$ 660,000	\$ 660,000	Yes	\$ 507,141	Nashua	Yes	\$ 26.23	\$ 13,302	Added security fence replacement (1,700 LF) along Manchester Street - some work will carry over into 2020 included.
NWS Improvements -Route 101A and Route 121 (Amherst)	Add 2200 LF of 12 inch DIPCL to close loop.	1806810, 1901607				\$ 550,000	\$ 550,000	Yes	\$ 548,252	Nashua	Yes	\$ 26.23	\$ 14,381	Adjusted cost based on final installed materials in 2020 - some work will carry over into 2020.
NWS Improvements - Tinker Road	Replace 825 LF of 16 inch AC with 825 LF of 24 inch DIPCL.	1702835, 1806434, 1900421	DWGTIF Financing DW18-133	26,197	12/3/2018	\$ 522,500	\$ 522,500	Yes	\$ 369,378	Nashua	Yes	\$ 26.23	\$ 9,689	Adjusted cost based on final installed materials in 2020 - some work will carry over into 2021.
NWS Improvements - Deerwood Drive & Amherst St. Intersection	Replace 1300 LF of 12 inch AC with 1300 LF of 24 inch DIPCL.	1806808, 1901609				\$ 467,500	\$ 467,500	Yes	\$ 158,469	Nashua	Yes	\$ 26.23	\$ 4,157	Adjusted cost based on final installed materials in 2020 - some work will carry over into 2022.
NWS Improvements - Deerwood Dr. Northwest Blvd Loop	Add 3400 LF of 20 inch HDPE including RR pipe jacking.	1806806, 1901610				\$ 635,800	\$ 635,800	Yes	\$ 1,302,871	Nashua	Yes	\$ 26.23	\$ 34,174	Adjusted cost based on final installed materials in 2020 - some work will carry over into 2023.
NWS Improvements Ponemah Rd/Route 101A Loop	Add 2200 LF of 12 inch DIPCL to close two loop major dead ends.	1901611				\$ 484,000	\$ 484,000	Yes	\$ -	Nashua	Yes	\$ 26.23	\$ -	Project cancelled and replaced with piping in projects above.
NWS Improvements - Engineering Design and Inspection	Engineering and Inspection of NW System watermain improvements.		0.1 DSRR			Included in NWS Improvements above	Included in NWS Improvements above	No	\$ 174,347	Nashua	Yes	\$ 26.23	\$ 4,573	
City of Nashua Sewer - Chase Street	Replace 470 LF of 6 inch CIP with 470 LF of 6 inch DIPCL.	1829925, 1900484	DW17-183	26,101	2/2/2018	\$ 176,000	\$ 190,000	Yes	\$ 175,370	Nashua	Yes	\$ 26.23	\$ 4,600	Project Complete
City of Nashua Sewer - Ash Street	Replace 710 LF of 6 inch CIP with 710 LF of 12 inch DIPCL.	1814367, 1915975	DW17-183	26,101	2/2/2018	\$ 242,000	\$ 162,800	Yes	\$ 156,252	Nashua	Yes	\$ 26.23	\$ 4,098	Pavement contribution to City of Nashua of \$20,832 included.
City of Nashua Sewer - Lake Street	Replace 2950 LF of 6 inch CI with 12 inch DIPCL.	1814740, 1915976	DW17-183	26,101	2/2/2018	\$ 990,000	\$ 1,710,500	Yes	\$ 1,608,850	Nashua	Yes	\$ 26.23	\$ 42,200	Pavement contribution to City of Nashua of \$344,000 included.
City of Nashua Paving - Vilna St.	Replace 15 LF of 1.5 inch steel with 2 inch HDPE for paving program.	1915860	DW17-183	26,101	2/2/2018	\$ -	\$ 16,750	Yes	\$ 17,400	Nashua	Yes	\$ 26.23	\$ 456	Includes final paving - complete
Interconnection to BWC	Carryover Costs to 2018 projects not recovered in prior QCPAC.	1900429	0.1 DSRR			\$ -	\$ 3,400	No	\$ -	Nashua	Yes	\$ 26.23	\$ -	Carry over costs from project completed in 2018, pay for with 0.1 DSRR.
Woodward Avenue	Carryover Costs to 2018 projects not recovered in prior QCPAC.	1910117	0.1 DSRR			\$ -	\$ 2,200	No	\$ -	Nashua	Yes	\$ 26.23	\$ -	Carry over costs from project completed in 2018, pay for with 0.1 DSRR.
Ritter Street	Carryover Costs to 2018 projects not recovered in prior QCPAC.	1910116	0.1 DSRR			\$ -	\$ 6,890	No	\$ -	Nashua	Yes	\$ 26.23	\$ -	Carry over costs from project completed in 2018, pay for with 0.1 DSRR.
Factory Street	Carryover Costs to 2018 projects not recovered in prior QCPAC.	1909270	0.1 DSRR			\$ -	\$ 20,209	No	\$ 20,209	Nashua	Yes	\$ 26.23	\$ 530	Carry over costs from project completed in 2018, pay for with 0.1 DSRR.
Taylor Street	Carryover Costs to 2018 projects not recovered in prior QCPAC.	1906988	0.1 DSRR			\$ -	\$ 233	No	\$ 233	Nashua	Yes	\$ 26.23	\$ 6	Carry over costs from project completed in 2018, pay for with 0.1 DSRR.
Shakespeare HP System Exp	Carryover Costs to 2018 projects not recovered in prior QCPAC.	1901942	0.1 DSRR			\$ -	\$ 257	No	\$ 257	Nashua	Yes	\$ 26.23	\$ 7	Carry over costs from project completed in 2018, pay for with 0.1 DSRR.
City of Nashua Paving - Mill St.	Abandon 1.5" Steel water main and switch customers over to parallel 8" water main.	1915006	0.1 DSRR			\$ -	\$ 17,900	No	\$ 17,321	Nashua	No	\$ 26.23	\$ -	Includes final paving - complete. Charged to Cost of Removal, Pay for with 0.1 DSRR.
City of Nashua Paving - Ferralls Ct	Replace 35 ft of 1" copper water main crossing Canal St with a 4" DIPCL Water Main.	1908316	DW17-183	26,101	2/2/2018	\$ -	\$ 58,580	Yes	\$ 51,988	Nashua	Yes	\$ 26.23	\$ 1,364	Ferralls 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	\$ -	\$ 95,000	Yes	\$ 79,258	Nashua	Yes	\$ 26.23	\$ 2,079	Includes final paving - complete
City of Nashua Paving - Nutt St - Final Paving and restoration	Pavement restoration and final landscaping	1702842, 1907682	DW17-183	26,101	2/2/2018	\$ -	\$ 13,000	Yes	\$ 6,549	Nashua	Yes	\$ 26.23	\$ 172	\$6,240 of this will be recovered from Liberty Gas.
City of Nashua Paving - Cheshire St - Final Cleanup	Fence repair and site clean up	1908353	DW17-183	26,101	2/2/2018	\$ -	\$ 1,400	Yes	\$ 486	Nashua	Yes	\$ 26.23	\$ 13	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.	1915974	DW17-183	26,101	2/2/2018	\$ -	\$ 215,100	Yes	\$ 174,754	Nashua	Yes	\$ 26.23	\$ 4,584	Includes base paving - Finished paving required in 2020 not included.
City of Nashua Paving - Main St.	Main St final paving at intersection with Factory St. Carry over from 2018.	1900348, 1915859	DW17-183	26,101	2/2/2018	\$ -	\$ 24,500	Yes	\$ 1,402	Nashua	Yes	\$ 26.23	\$ 37	Final paving bill for this project.
City of Nashua Paving - Lemon St - Carry over from 2017	Paving only - Carry over from 2017.	1702875, 1915858	DW17-183	26,101	2/2/2018	\$ -	\$ 24,850	Yes	\$ 18,316	Nashua	Yes	\$ 26.23	\$ 480	Final paving bill for this project.
City of Nashua Paving - Lowell St - Carry over from 2017	Paving only - Carry over from 2017.	1915857	DW17-183	26,101	2/2/2018	\$ -	\$ 37,000	Yes	\$ 37,084	Nashua	Yes	\$ 26.23	\$ 973	Final paving bill for this project.
City of Nashua Paving - Green St - Carry over from 2017	Paving only - Carry over from 2017.	1915844	DW17-183	26,101	2/2/2018	\$ -	\$ 10,000	Yes	\$ 8,906	Nashua	Yes	\$ 26.23	\$ 234	Final paving bill for this project.
City of Nashua Paving - Beard St - Carry over from 2017	Paving only - Carry over from 2017.	1915845	DW17-183	26,101	2/2/2018	\$ -	\$ 25,900	Yes	\$ 21,689	Nashua	Yes	\$ 26.23	\$ 569	Final paving bill for this project.
City of Nashua Paving - Terrace St - Carry over from 2017	Paving only - Carry over from 2018.	1915843	DW17-183	26,101	2/2/2018	\$ -	\$ 20,500	Yes	\$ 10,600	Nashua	Yes	\$ 26.23	\$ 278	Final paving bill for this project.
City of Nashua Paving - Warren St - Carry over from 2017	Paving only - Carry over from 2017.	1702870, 1915842	DW17-183	26,101	2/2/2018	\$ -	\$ 19,500	Yes	\$ 16,762	Nashua	Yes	\$ 26.23	\$ 440	Final paving bill for this project.
Merrimack River Intake	Year Round Raw Water Intake from Merrimack River.	1502180, 1601369, 1701489, 1807360, 1901612, 1908505	DWGTIF Financing DW19-026	26,247	5/3/2019	\$ 5,500,000	\$ 6,600,000	Yes	\$ 6,299,764	Merrimack	Yes	\$ 28.86	\$ 181,811	Bids higher than Engineers estimate due to tight contractor market and changes in final permit requirements that impacted initial design that engineers estimate was based on. An estimated amount of \$362,000 of clean up work to be carried into 2020.
Asset Management Outside GIS Consulting Services	Outside GIS Consulting Services	1900044	DW17-183	26,101	2/2/2018	\$ 60,000	\$ 60,000	Yes	\$ 7,961	Various	No	\$ 27.02	\$ -	
Asset Management Water Modeling Consulting	Water Modeling Consulting	1900044	DW17-183	26,101	2/2/2018	\$ 36,000	\$ 36,000	Yes	\$ -	Various	No	\$ 27.02	\$ -	
Asset Management Trimble R2 Units	Trimble R2 Units	1900044	DW17-183	26,101	2/2/2018	\$ 14,000	\$ 14,000	Yes	\$ -	Various	Yes	\$ 27.02	\$ -	
WAM/Synergen Upgrade Cost & Functionality Study	WAM/Synergen Upgrade Cost & Functionality Study	1900568, 1910219	0.1 DSRR			\$ -	\$ 45,000	No	\$ 27,804	Various	No			

Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	60, 61, 62 & 63 workorders	DW17-183	26,101	2/2/2018	\$ 40,000	\$ 15,445	Yes	\$ 11,260	Various	Yes	\$ 27.02	\$ -	304	0 pumps replaced, 5 rebuilds through 12/31/2019.
Booster Pump replacement/rebuild	WTP Rebuild pump end, Intermediate Pump #3	1914986	DW17-183	26,101	2/2/2018	\$ -	\$ 24,555	Yes	\$ 24,554	Nashua	Yes	\$ 26.23	\$ -	644	Pump Bearings failed on Intermediate Booster Pump at WTP.
Well Pump replacements	Well Pump replacements	60, 61, 62 & 63 workorders	DW17-183	26,101	2/2/2018	\$ 15,000	\$ 15,000	Yes	\$ 16,995	Various	Yes	\$ 27.02	\$ -	459	4 replaced through 12/31/2019.
Chemical Feed pump replacements	Chemical Feed pump replacements	60, 61, 62 & 63 workorders	DW17-183	26,101	2/2/2018	\$ 10,000	\$ 10,000	Yes	\$ -	Various	Yes	\$ 27.02	\$ -	-	No replacements occurred during 2019.
Upgrade SCADA historian software, new hardware	Upgrade SCADA historian software, new hardware	n/a	DW17-183	26,101	2/2/2018	\$ 150,000	\$ 150,000	Yes	\$ -	Various	Yes	\$ 27.02	\$ -	-	Scope of project was more clearly defined resulting in a reduction in cost.
Twin Ridge rebuild softener system, install radon treatment.	Twin Ridge rebuild softener system, install radon treatment.	1907731	DW17-183	26,101	2/2/2018	\$ 50,000	\$ 50,000	Yes	\$ 11,112	Plaistow	Yes	\$ 25.93	\$ -	288	Project scope was limited to MTM media replacement.
Misc. Structural Improvements	Misc. Structural Improvements	n/a	DW17-183	26,101	2/2/2018	\$ 20,000	\$ 10,700	Yes	\$ -	Various	Yes	\$ 27.02	\$ -	-	Reduced by replacement of failed Fire Alarm CPU.
Misc. Structural Improvements	Replace Fire Alarm System CPU.	1907102, 1910221	DW17-183	26,101	2/2/2018	\$ -	\$ 9,300	Yes	\$ 9,251	Nashua	Yes	\$ 26.23	\$ -	243	Fire Alarm CPU failed due to electrical surge.
Misc. Structural Improvements	Replace Natural Gas Heater, High Pine Station.	1917491	DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ 4,050	Nashua	Yes	\$ 26.23	\$ -	106	Failed heater. Part of run rate Misc Structural Improvements.
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased	n/a	DW17-183	26,101	2/2/2018	\$ 17,500	\$ 9,928	Yes	\$ -	Various	Yes	\$ 27.02	\$ -	-	-
Miscellaneous Equipment Purchased	Purchase 2 Gas Monitors for WS Confined Space Program.	1907611	DW17-183	26,101	2/2/2018	\$ -	\$ 4,568	Yes	\$ 4,568	Nashua	Yes	\$ 26.23	\$ -	120	Routine Miscellaneous Equipment purchase
Miscellaneous Equipment Purchased	Purchase Entry Tripod and Winch for WS Confined Space Program.	1910296	DW17-183	26,101	2/2/2018	\$ -	\$ 3,004	Yes	\$ 3,004	Nashua	Yes	\$ 26.23	\$ -	79	Routine Miscellaneous Equipment purchase
Miscellaneous Equipment Purchased	Replace Chlorine Analyzer, Twin Ridge	1915362	DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ 4,449	Nashua	Yes	\$ 26.23	\$ -	117	Routine Miscellaneous Equipment purchase
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	n/a	DW17-183	26,101	2/2/2018	\$ 30,000	\$ 30,000	Yes	\$ -	Various	Yes	\$ 27.02	\$ -	-	-
Miscellaneous SCADA/Electrical	Replace VFD, Pump #1 Bowers Landing	1916547	DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ 2,118	Various	Yes	\$ 27.02	\$ -	57	-
WTP Structural/HVAC	WTP Structural/HVAC	n/a	DW17-183	26,101	2/2/2018	\$ 10,000	\$ 10,000	Yes	\$ -	Nashua	Yes	\$ 26.23	\$ -	-	-
WTP Structural/HVAC	Replace Heat Exchanger, WTP Office	1917470	DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ 8,328	Nashua	Yes	\$ 26.23	\$ -	218	WTP Structural/HVAC project
Purchase new lab equipment	Purchase new lab equipment	n/a	DW17-183	26,101	2/2/2018	\$ 20,000	\$ 18,500	Yes	\$ -	Nashua	Yes	\$ 26.23	\$ -	-	Reduced by purchase of HACH DR 900 below
Purchase new lab equipment	HACH DR 900	1908450	DW17-183	26,101	2/2/2018	\$ -	\$ 1,500	Yes	\$ 1,435	Nashua	Yes	\$ 26.23	\$ -	38	-
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	DW17-183	26,101	2/2/2018	\$ 10,000	\$ 10,000	Yes	\$ -	Various	Yes	\$ 27.02	\$ -	-	-
Miscellaneous Fencing and Security projects	WTP Perimeter Fence Carryover	1901608	DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ 6,744	Various	Yes	\$ 27.02	\$ -	182	-
Purchase new vehicle for Water Supply Electrician.	Purchase of a new vehicle for the Water Supply Electrician.	1918314	DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ 28,897	Nashua	No	\$ 26.23	\$ -	-	Unbudgeted. Made necessary due to the premature retirement of 2 dept. vehicles.
Replace Ferric Chloride Feed pump.	Replace Ferric Chloride Feed pump.	1901613	DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ 1,713	Nashua	Yes	\$ 26.23	\$ -	45	Pump rebuild was determined to be best course.
Carbon media changeout-filters 1 & 2.	Carbon media changeout-filters 1 & 2	1901614 & 1916780	DW17-183	26,101	2/2/2018	\$ 1,000,000	\$ 1,050,000	Yes	\$ 990,662	Nashua	Yes	\$ 26.23	\$ -	25,985	New PFAS regulations require that all filter media be changed out to ensure compliance with the new PFOA standard which is slated to go into effect on October 1, 2019. Filter media replacement being staged over 6 month intervals. 8 of 12 filters to be replaced in 2019, remaining four filters to be replaced in Spring 2020.
Add 3rd pump at Main Dunstable Booster, replace 1 existing.	Add 3rd pump at Main Dunstable Booster, replace 1 existing.	n/a	DW17-183	26,101	2/2/2018	\$ 120,000	\$ -	Yes	\$ -	Nashua	Yes	\$ 26.23	\$ -	-	Addition of 3rd pump deferred or eliminated until future date subject to performance of rebuilt 2nd pump.
Rebuild Main Dunstable pump #1	Rebuild Pump #1, Main Dunstable, Nashua	1901615	DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ 15,995	Nashua	Yes	\$ 26.23	\$ -	420	-
Replace Kessler Farm booster pump package.	Replace 20 year old package booster station pumps and piping. Piping is steel which is beginning to pit.	n/a	DW17-183	26,101	2/2/2018	\$ 75,000	\$ 75,000	Yes	\$ -	Nashua	Yes	\$ 26.23	\$ -	-	Project deferred until 2020
Stump Pond Subwatershed assessment	Stump Pond Subwatershed assessment	n/a	0.1 DSRP			\$ 25,000	\$ 25,000	No	\$ -	Merrimack	No	\$ 28.86	\$ -	-	Study - Pay for with 0.1 DSRP
Stump Pond Stormwater BMP	Stump Pond Stormwater BMP	1908373	0.1 DSRP			\$ 20,000	\$ 20,000	No	\$ 1,310	Merrimack	No	\$ 28.86	\$ -	-	Study - Pay for with 0.1 DSRP
Public Education -Watershed signage	Public Education -Watershed signage	n/a	0.1 DSRP			\$ 20,000	\$ 20,000	No	\$ -	Merrimack	No	\$ 28.86	\$ -	-	Study - Pay for with 0.1 DSRP
Replace 2 Hach Turbidimeters and associated control module	Replace 2 Hach Turbidimeters and associated control module.	1901618	DW17-183	26,101	2/2/2018	\$ 10,000	\$ 10,000	Yes	\$ 7,978	Nashua	Yes	\$ 26.23	\$ -	209	-
Camera System Upgrade	Carryover Costs from 2018 Project.	1819073, 1900413	0.1 DSRP			\$ -	\$ 7,500	No	\$ 9,756	Nashua	Yes	\$ 26.23	\$ -	256	Carry over costs from project completed in 2018, pay for with 0.1 DSRP
Dredging Feasibility Study	Carryover Costs from 2018 study.	1807145, 1901939	0.1 DSRP			\$ -	\$ 24,600	No	\$ 39,520	Merrimack	No	\$ 28.86	\$ -	-	Study - Pay for with 0.1 DSRP
Source Water Protection Study	Carryover Costs from 2018 study.	1901740	0.1 DSRP			\$ -	\$ 12,000	No	\$ 11,000	Merrimack	No	\$ 28.86	\$ -	-	Study - Pay for with 0.1 DSRP
Aquatic Vegetation Assessment	Carryover Costs from 2018 study.	1807147, 1906080	0.1 DSRP			\$ -	\$ 4,200	No	\$ 9,545	Merrimack	No	\$ 28.86	\$ -	-	Study - Pay for with 0.1 DSRP
Fiber Conduit between WTP and Dist	Install Fiber Conduit between Water Treatment Plant and Distribution to eliminate ongoing Comcast Ethernet line to one of the buildings.	1901619	DW17-183	26,101	2/2/2018	\$ 40,000	\$ 40,000	Yes	\$ 22,896	Nashua	Yes	\$ 26.23	\$ -	601	-
Munis FER Enhancements	Munis FER Enhancements	n/a	DW17-183	26,101	2/2/2018	\$ 35,000	\$ 35,000	Yes	\$ -	Merrimack	No	\$ 28.86	\$ -	-	No upgrades/enhancements will be completed in 2019.
Wireless Access Points for Main Office	Wireless Access Points for Main Office	n/a	DW17-183	26,101	2/2/2018	\$ 14,000	\$ -	Yes	\$ -	Merrimack	No	\$ 28.86	\$ -	-	Monies moved to Vecam Backup Project.
KVM for Data Center	Keyboard Video Mouse for Data Center so that multiple servers can be accessed by one console without having to move the Monitor/Keyboards/ Mouse connections each time.	n/a	DW17-183	26,101	2/2/2018	\$ 2,500	\$ -	Yes	\$ -	Merrimack	No	\$ 28.86	\$ -	-	-
IOS Charging Station	Charging Station for multiple iPads to allow for upgrades across multiple devices concurrently.	n/a	DW17-183	26,101	2/2/2018	\$ 1,200	\$ -	Yes	\$ -	Merrimack	No	\$ 28.86	\$ -	-	-
Digital Signage for Distribution	Digital Signage for Distribution allowing notices and schedules to be more prominently displayed.	1908376	0.1 DSRP	26,101	2/2/2018	\$ 2,000	\$ 1,270	No	\$ -	Merrimack	No	\$ 28.86	\$ -	-	-
VDI Pilot	A pilot to determine whether a Virtual Desktop Infrastructure would be feasible for our environment.	n/a	DW17-183	26,101	2/2/2018	\$ 12,000	\$ -	Yes	\$ -	Merrimack	No	\$ 28.86	\$ -	-	-
Misc Hardware	Misc Hardware	n/a	DW17-183	26,101	2/2/2018	\$ 20,000	\$ 20,000	Yes	\$ -	Merrimack	No	\$ 28.86	\$ -	-	-
Misc Hardware	Mount in Vehicles	1908308	0.1 DSRP			\$ -	\$ -	No	\$ 1,248	Merrimack	No	\$ 28.86	\$ -	-	-
Misc Hardware	2 iPad Pros for IS Testing	1908309	0.1 DSRP			\$ -	\$ -	No	\$ 2,298	Merrimack	No	\$ 28.86	\$ -	-	-
Misc Software	n/a	n/a	DW17-183	26,101	2/2/2018	\$ 12,000	\$ 12,000	Yes	\$ -	Merrimack	No	\$ 28.86	\$ -	-	-
Website upgrades	Website upgrades	n/a	DW17-183	26,101	2/2/2018	\$ 8,000	\$ 8,000	Yes	\$ -	Merrimack	No	\$ 28.86	\$ -	-	-
Implement Customer Balances over the phone	Implement Customer Balances over the phone.	n/a	DW17-183	26,101	2/2/2018	\$ 4,000	\$ 25,500	Yes	\$ -	Merrimack	No	\$ 28.86	\$ -	-	Deferred
Click Resource Assistant	Allow for the moving of customer Appointment from an generic resource to a named resource.	1907952	0.1 DSRP			\$ -	\$ 22,828	No	\$ 22,828	Merrimack	No	\$ 28.86	\$ -	-	-
Database Server License for GIS and other Apps	Purchase Server license for Virtual Environment.	1915920	DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ 7,305	Merrimack	No	\$ 28.86	\$ -	-	Previously licensed software was not suitable for Virtual environment.
Vecam Backup Software	Replacement of existing backup software due to exorbitant vendor fees to keep original system running.	1909216	0.1 DSRP			\$ -	\$ 25,550	No	\$ 15,530	Merrimack	No	\$ 28.86	\$ -	-	-
New RCO Manager Computer	New RCO Manager Computer	1917001	0.1 DSRP			\$ -	\$ -	No	\$ 1,797	Merrimack	No	\$ 28.86	\$ -	-	Replace failed desktop computer.
Kessler Farm Tank Design	Kessler Farm Tank Design	1915117	0.1 DSRP	26,101	2/2/2018	\$ -	\$ -	No	\$ 36,355	Nashua	No	\$ 26.23	\$ -	-	Engineering for tank to be constructed in 2020.
Retainage	Payment of Retainage for projects that were used and useful in 2018.	n/a	DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ 33,586	Merrimack	No	\$ 28.86	\$ -	-	Retainage paid in 2019 for 2018 QCPAC projects.
Short term interest on the PWV Fixed Asset Line of Credit.	Capitalized interest incurred on FALOC draws to fund 2019 Capex from 1/1/2019 thru 4/2/2020.	n/a	DW17-183	26,101	2/2/2018	\$ -	\$ -	Yes	\$ 230,645	Various	No	\$ -	\$ -	-	-
Performance Management Platform Implementation & Technical Integration	Performance Management Platform Implementation & Technical Integration	1916551	DW17-183	26,101	2/3/2018	\$ -	\$ -	Yes	\$ 13,804	Merrimack	No	\$ 28.86	\$ -	-	-
Papercut MF Software for copiers	Papercut MF Software for copiers	1918363	DW17-183	26,101	2/3/2018	\$ -	\$ -	Yes	\$ 3,708	Merrimack	No	\$ 28.86	\$ -	-	-
<b>Pennichuck Water Works Projected 2019 Total Capital Expenditure Budget -</b>						<b>\$ 14,968,170</b>	<b>\$ 16,902,524</b>		<b>\$ 15,801,867</b>	<b>Projected Property Tax Expense associated with</b>		<b>\$ 416,593</b>			

<b>Total Projected PWV QCPAC Capex for 2019 -</b>	<b>\$ 16,832,524</b>	<b>\$ 14,898,170</b>	<b>\$ 15,374,227</b>
<b>Amount funded by DWGTF Merrimack River Intake -</b>	<b>\$ 8,819,800</b>	<b>\$ 8,819,800</b>	<b>\$ 5,359,625</b>
<b>Amount funded by DWGTF Northwest System Improvements -</b>			<b>\$ 2,859,754</b>
<b>Amount to be funded by 2020 Bond Issue -</b>	<b>\$ 8,012,724</b>	<b>\$ 6,078,370</b>	<b>\$ 7,154,848</b>

- Tax rate is the sum of the local community rate plus the Statewide Utility tax rate of \$6.60/\$1000
- Projects funded by 0.1 DSRP funds are not QCPAC eligible because the cash to fund these projects is not bonded. Total 2019 Capex to be funded by 0.1 DSRP funds -
- Portion of Annual Principal and interest payments for debt associated with plant placed in service between 1/1/2019 and 12/31/2019 based on a
- QCPAC Principal and Interest expenses for DWGTF financing for the North West System improvements are based on a
- QCPAC Principal and Interest expenses for DWGTF financing for the Merrimack River Intake are based on a

<b>12/31/2019</b>	\$ 427,640	The 12/31/2019 0.1 DSRP amount has been increased by	\$ 21,175
		to reflect the Staff DR21 response indicating that	
		of the project costs being funded with DWGTF is being funded with 0.1 DSRP monies.	
	30 year bond with an actual total all in interest rate of	4.261869%	resulting in annual P&I expenses of
	30 year bond with interest rate of	2.704%	resulting in annual P&I expenses of
	30 year bond with interest rate of	3.380%	resulting in annual P&I expenses of

Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Board Approved 2020 Capex Budget	QCPAC Eligible?	Estimated Project Cost as of 6/30/2020	Estimated Project Cost as of 9/30/2020	Estimated Project Cost as of 11/30/2020	Final Project cost as of 12/31/2020	Community	Taxable	2020 Tax Rate (%)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion from Board Approved 2020 Capex Budget
New Services (10)	Single Family, Owner Build, New Homes	20 workorders	DW17-183	26,101	2/2/2018	\$ 50,000	Yes	\$ 25,000	\$ 25,000	\$ 31,090	\$ 36,746	Various	Yes	\$ 28.45	\$ 1,045	6 new services through 12/31/20.
Renewed Services (20)	Replacement of failed services.	21, 22 & 23 workorders	DW17-183	26,101	2/2/2018	\$ 110,000	Yes	\$ 60,000	\$ 75,000	\$ 68,052	\$ 68,052	Various	Yes	\$ 28.45	\$ 1,936	19 Renewed Services Installed through 12/31/2020.
Hydrants (10)	Replacement of non-functional hydrants (Run rate) (8 YTD)	30 & 31 workorders	DW17-183	26,101	2/2/2018	\$ 60,000	Yes	\$ 44,000	\$ 55,000	\$ 48,000	\$ 41,401	Various	Yes	\$ 28.45	\$ 1,178	12 Hydrants Repaired/Replaced through 12/31/2020.
Gates (10)	Replacement of Failed Gate Valves	12 & 13 workorders	DW17-183	26,101	2/2/2018	\$ 40,000	Yes	\$ 40,000	\$ 50,000	\$ 40,000	\$ 43,189	Various	Yes	\$ 28.45	\$ 1,229	9 Gates Repaired/Replaced through 12/31/2020.
Radios (560)	Replacement of out of Warrantee Failed Radios (280), New Meters for new customers (280).	54 workorders	DW17-183	26,101	2/2/2018	\$ 58,000	Yes	\$ 40,000	\$ 50,000	\$ 51,000	\$ 50,832	Various	Yes	\$ 28.45	\$ 1,446	498 Radios Installed/Replaced through 12/31/2020.
Meters (Growth) 5/8"-2" - Core & CWS (280)	Meters (Growth) 5/8"-2" - Core & CWS (280)	50 workorders	DW17-183	26,101	2/2/2018	\$ 29,000	Yes	\$ 55,300	\$ 91,000	\$ 96,000	\$ 94,935	Various	Yes	\$ 28.45	\$ 2,686	631 Meters Installed/Replaced through 12/31/2020.
Meters 5/8"-6" - Replace failed meters - Core & CWS (200)	Meters 5/8"-6" failed meters - Core & CWS (200)	2005200	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ -	\$ -	\$ -	\$ -	Various	Yes	\$ 28.45	\$ -	Total included in row above.
Replace Mud sucker pump	Replace 15+ year old ditch pump.	2006391	DW17-183	26,101	2/2/2018	\$ 70,000	Yes	\$ 6,356	\$ 6,356	\$ 6,356	\$ 6,356	Various	Yes	\$ 28.45	\$ 181	
Replacement Utility Truck	Replacement for #47 - 2006 Ford F-350, 130K miles Does not pass inspection.	2006390	DW17-183	26,101	2/2/2018	\$ 70,000	Yes	\$ 70,000	\$ 70,000	\$ 70,000	\$ 66,969	Merrimack	No	\$ 28.52	\$ -	
Replacement Utility Truck	Replacement for #76 - 2008 Ford F-350, 150K miles, Does not pass inspection.	2006389	DW17-183	26,101	2/2/2018	\$ 70,000	Yes	\$ 70,000	\$ 70,000	\$ 70,000	\$ 68,951	Merrimack	No	\$ 28.52	\$ -	
Replacement Utility Truck	Replacement for #4 - 2010 Ford F-350, 140K miles Does not pass inspection.	n/a	DW17-183	26,101	2/2/2018	\$ 70,000	Yes	\$ 70,000	\$ 70,000	\$ 7,000	\$ 68,429	Merrimack	No	\$ 28.52	\$ -	
Valve Turner & Vac Truck	Replacement for #60 - 14 Year Vac Trailer w/excessive rot, will not pass inspection.	2004436	DW17-183	26,101	2/2/2018	\$ 160,000	Yes	\$ -	\$ -	\$ -	\$ -	Merrimack	No	\$ 28.52	\$ -	Deferred. Not available due to impact of COVID19 on manufacturing.
Foreman's Truck	Replacement for #59 - 2011 International, 120K Miles, High Hours, Electrical, body issues.	n/a	DW17-183	26,101	2/2/2018	\$ 140,000	Yes	\$ 140,000	\$ 140,000	\$ 140,000	\$ 79,206	Merrimack	No	\$ 28.52	\$ -	Deferred until 2020.
Locker Room Benches @ Distribution Facility	Permanent Benches for Male & Female locker rooms.	n/a	DW17-183	26,101	2/2/2018	\$ 7,500	Yes	\$ 7,500	\$ -	\$ -	\$ -	Merrimack	Yes	\$ 28.52	\$ -	Deferred until 2021 due to COVID19 delays.
Locker Room Deep Wash Sinks	Deep stainless wash sinks to replace existing sinks in male & female locker rooms.	n/a	DW17-183	26,101	2/2/2018	\$ 7,500	Yes	\$ 7,500	\$ 7,500	\$ -	\$ -	Merrimack	Yes	\$ 28.52	\$ -	Deferred until 2021 due to COVID19 delays.
Office Space for Const & Maint Supervisor	Permanent office space for Construction & Maintenance Supervisor.	n/a	DW17-183	26,101	2/2/2018	\$ 12,000	Yes	\$ 12,000	\$ -	\$ -	\$ -	Merrimack	Yes	\$ 28.52	\$ -	Deferred until 2020 due to COVID19 delays.
Landscape improvements	Repair Hill Sides @ 16 DWH and overseed with erosion mix.	2008276	DW17-183	26,101	2/2/2018	\$ 12,000	Yes	\$ 12,000	\$ 12,000	\$ 12,550	\$ 15,350	Merrimack	Yes	\$ 28.52	\$ 438	
Automatic Entrance Gate @ Distribution Facility	Replace manual gate @ Distribution facility with automatic gate.	2000718		0.1 DSR		\$ 10,000	No	\$ 10,000	\$ 10,000	\$ -	\$ 3,083	Merrimack	Yes	\$ 28.52	\$ 88	Work delayed on long range gate reader until 2021, due to COVID19.
Emergency Gas Detection Meters	Emergency Gas Detection Meters	2006033	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ -	\$ 10,411	\$ 10,411	\$ 10,411	Merrimack	Yes	\$ 28.52	\$ 297	Replace existing failed triector.
Replacement Equipment/Excavator Trailer	Replacement Equipment/Excavator Trailer	2007566	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ -	\$ -	\$ 19,457	\$ 17,917	Merrimack	No	\$ 28.52	\$ -	
Buyout Lease of HP T2530PS Large Format Printer (OPS)	Buyout Lease of HP T2530PS Large Format Printer (OPS).	2008268	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ -	\$ -	\$ 6,994	\$ 4,995	Merrimack	No	\$ 28.52	\$ -	
West Hollis Street Check Valve Pit	Install at the intersection of W. Hollis St and Panther Dr.	n/a	DW17-183	26,101	2/2/2018	\$ 88,000	Yes	\$ -	\$ -	\$ -	\$ -	Nashua	Yes	\$ 27.13	\$ -	Deferred
NWS Improvements - Manchester Street	Install 1700 LF of 24 inch DI and new Fencing.	2000383	DWGT			\$ 125,000	Yes	\$ 140,000	\$ 140,000	\$ 86,000	\$ 85,059	Nashua	Yes	\$ 27.13	\$ 2,308	
NWS Improvements - Deerwood Dr. Northwest Blvd Loop	Add 3400 LF of 20 inch HDPE including RR pipe jacking.	2000386	DWGT			\$ 40,000	Yes	\$ 25,000	\$ 25,000	\$ 18,500	\$ 19,576	Nashua	Yes	\$ 27.13	\$ 531	
NWS Improvements Veteran's Rd/Route 101A Loop	Add 2200 LF of 12 inch DIPCL to close two loop major dead ends.	2000384	DWGT			\$ 125,000	Yes	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,566	Nashua	Yes	\$ 27.13	\$ 3,407	
NWS Improvements Tinker Road Paving and restoration	NWS Improvements Tinker Road Paving and restoration.	2000385	DWGT			\$ 125,000	Yes	\$ 32,000	\$ 32,000	\$ 126,000	\$ 125,458	Nashua	Yes	\$ 27.13	\$ 3,404	
Simon & Will Street - Paving	Simon & Will Street - Paving	2000387	DW17-183	26,101	2/2/2018	\$ 30,000	Yes	\$ 30,000	\$ 30,000	\$ -	\$ -	Nashua	Yes	\$ 27.13	\$ -	Deferred
Garden Street - Final Paving	Garden Street - Final Paving	2000388	DW17-183	26,101	2/2/2018	\$ 18,000	Yes	\$ 18,000	\$ 18,000	\$ -	\$ -	Nashua	Yes	\$ 27.13	\$ -	Deferred
City of Nashua Sewer - Lake Street	Replace 2950 LF of 6 inch CI with 12 inch DIPCL (Paving).	2000378	DW17-183	26,101	2/2/2018	\$ 30,000	Yes	\$ 30,000	\$ 30,000	\$ -	\$ 10,589	Nashua	Yes	\$ 27.13	\$ 287	
Merrimack River Intake	Year Round Raw Water Intake from Merrimack River	2000380	DWGT	26,247	5/3/2019	\$ 140,375	Yes	\$ 192,109	\$ 192,109	\$ 192,109	\$ 140,375	Merrimack	Yes	\$ 28.52	\$ 4,003	Amount of MRI raw water intake funds still available from DWGT.
Merrimack River Intake	Year Round Raw Water Intake from Merrimack River	2000380	DW17-183	26,101	2/2/2018	\$ 221,625	Yes	\$ 247,891	\$ 260,000	\$ 260,000	\$ 253,590	Merrimack	Yes	\$ 28.52	\$ 7,232	Project cost increased by \$80,000 to develop Source Water Protection plan required by NHDES.
Replace Kessler Farm booster pump package	Replace 31 year old package booster station pumps and piping.	2000389	DW17-183	26,101	2/2/2018	\$ 75,000	Yes	\$ 178,000	\$ 200,600	\$ 188,000	\$ 190,901	Nashua	Yes	\$ 27.13	\$ 5,179	Budget to be increased as a portion of site work for the Kessler Farm Tank was transferred to this project. Winning project bid was higher than engineer's estimate.
Risk and Resilience Assessment and Emergency Response Plan	Complete Risk and Resilience Assessment and Emergency Response Plan as required by the USEPA.	2002053	DW17-183	26,101	2/2/2018	\$ 120,000	Yes	\$ 120,000	\$ 120,000	\$ 120,000	\$ 117,274	Various	No	\$ 28.45	\$ -	
Asset Management - GIS QA/QC ahead of NEW CMMS	GIS QA/QC Ahead of NEW CMMS	1900414, 2000362	DW17-183	26,101	2/2/2018	\$ 40,000	Yes	\$ 40,000	\$ 40,000	\$ 40,000	\$ 56,448	Merrimack	Yes	\$ 28.52	\$ 1,610	
Brook Street (Lake St Area PH2)	Replace 225 LF of 4 inch and 915 LF of 6 inch CI with 1140 LF of 8 inch DIPCL.	1502511, 2003423	DW17-183	26,101	2/2/2018	\$ 380,000	Yes	\$ 274,000	\$ 209,000	\$ 276,000	\$ 257,109	Nashua	Yes	\$ 27.13	\$ 6,975	Restoration work slated for 2021 was completed in 2020.
Hamilton Street (Lake St Area PH2)	Replace 410 LF of 6 inch CI with 4 inch DIPCL.	1502512, 2003422	DW17-183	26,101	2/2/2018	\$ 87,000	Yes	\$ 63,000	\$ 142,000	\$ 137,000	\$ 126,068	Nashua	Yes	\$ 27.13	\$ 3,420	
Burnitt Street (Lake St Area PH2)	Replace 425 LF of 4 inch CI with 8 inch DIPCL.	1502513, 2003420	DW17-183	26,101	2/2/2018	\$ 141,000	Yes	\$ 95,000	\$ 108,700	\$ 146,800	\$ 134,733	Nashua	Yes	\$ 27.13	\$ 3,655	
Burnitt Street (Lake St Area PH2)	Replace 125 LF of 4 inch CI with 4 inch DIPCL.	n/a	DW17-183	26,101	2/2/2018	\$ 38,000	Yes	\$ 27,000	\$ 54,300	\$ -	\$ -	Nashua	Yes	\$ 27.13	\$ -	Included in row above.
Verona Street (Lake St Area PH2)	Replace 675 LF of 6 inch CI with 8 inch DIPCL.	2007542	DW17-183	26,101	2/2/2018	\$ 226,000	Yes	\$ 162,000	\$ 173,900	\$ 205,100	\$ 182,847	Nashua	Yes	\$ 27.13	\$ 4,961	Required the use of temporary main that was not initially part of the design.
Sarasota Ave (Lake St Area PH2)	Replace 250 LF of 6 inch CI with 8 inch DIPCL.	n/a	DW17-183	26,101	2/2/2018	\$ 83,000	Yes	\$ 62,000	\$ 118,100	\$ 70,000	\$ -	Nashua	Yes	\$ 27.13	\$ -	
Amherst Dodge Rd Watermain Abandonment	Abandon Approx. 700 LF of AC Main, Transfer 2 services & 1 Hyd to parallel 8" DIPCL water main.	2001229	DW17-183	26,101	2/2/2018	\$ 20,000	Yes	\$ 71,000	\$ 105,750	\$ 146,000	\$ 149,710	Amherst	No	\$ 32.93	\$ -	Scope of job expanded to replace multiple broken or leaking valves discovered during the shutdown process.
Kessler Farm Tank Replacement	Replaced 4 MG painted steel water tank with 4 MG prestressed, precast water tank.	2000379		0.1 DSR		\$ 3,388,000	No	\$ 60,000	\$ 60,000	\$ 60,000	\$ 65,161	Nashua	No	\$ 27.13	\$ -	Design only. Construction deferred until 2021.
Replace Engineering Pickup	2020 Ford Escape SE - Replace Vehicle #101	2006652	DW17-183	26,101	2/2/2018	\$ 35,000	Yes	\$ 35,000	\$ 24,431	\$ 24,431	\$ 23,470	Merrimack	No	\$ 28.52	\$ -	
Replace Engineering SUV #34	2020 Ford Escape SE - Replace Vehicle #401	2006755	DW17-183	26,101	2/2/2018	\$ 30,000	Yes	\$ 30,000	\$ 23,474	\$ 24,474	\$ 24,432	Merrimack	No	\$ 28.52	\$ -	
Investment in developer installed services at 1sannual revenue	Per tariff	n/a	DW17-183	26,101	2/2/2018	\$ 60,000	Yes	\$ 84,000	\$ 62,000	\$ 80,000	\$ 79,591	Various	Yes	\$ 28.45	\$ 2,265	136 Developer Installed Services through 12/31/2020.
Asset Management Inmble R2 Units	Add two new GPS units for additional staff.	2003535	DW17-183	26,101	2/2/2018	\$ 24,000	Yes	\$ 24,000	\$ 24,000	\$ 24,000	\$ 21,963	Merrimack	No	\$ 28.52	\$ -	
Merrimack River Pumping Station	Add third 350 horsepower pump and motor with variable frequency drive.	2003759	DW17-183	26,101	2/2/2018	\$ 260,000	Yes	\$ 360,000	\$ 600,000	\$ 600,000	\$ 485,114	Merrimack	Yes	\$ 28.52	\$ 13,835	Added Pump Station roof hatches and roofing to facilitate pump replacement in the future. Bid price received for new pump was higher than anticipated. Added Electrical system upgrades for code and redundancy. There will be an additional \$140,000 of expenditures to complete this project in 2021.
Crescent Street (sewer related)	Replace 250 LF of 4 inch CI and 96 LF of 1 1/4 inch CL with 150 LF of 4" PVC.	2001230	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 44,700	\$ 33,600	\$ 39,000	\$ -	Nashua	Yes	\$ 27.13	\$ 1,484	Added due to Kessler Farm Tank deferral to 2021.
Crescent Street (paving contribution)	Replace 250 LF of 4 inch CI and 96 LF of 1 1/4 inch CL with 150 LF of 4" PVC.	2001230	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 8,000	\$ 15,000	\$ 15,000	\$ 54,705	Nashua	Yes	\$ 27.13	\$ -	Added due to Kessler Farm Tank deferral to 2021.
School Street	Replace 400 LF of 4 inch CI with 600LF of 6 inch DIPCL (creates a looped system).	2003533	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 244,000	\$ 166,850	\$ 267,000	\$ 270,734	Nashua	Yes	\$ 27.13	\$ 7,345	Added due to Kessler Farm Tank deferral to 2021, restoration work that was planned for 2021 was completed in 2020.
Fulton Street (Lake St Area PH2)	Replace 180 LF of 2" CL with 4" DIPCL - addition to Lake St Ph 2 project.	2007556	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 40,000	\$ 93,950	\$ 92,900	\$ 80,801	Nashua	Yes	\$ 27.13	\$ 2,192	Added due to Kessler Farm Tank deferral to 2021.
Manatee St (Lake St Area PH2)	Replace 240 LF of 6 inch CI with 8" DIPCL - addition to Lake St Ph 2 project.	2007543	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 55,000	\$ 84,000	\$ 54,500	\$ 49,820	Nashua	Yes	\$ 27.13	\$ 1,352	Added due to Kessler Farm Tank deferral to 2021.
Ash St (Lake St Area PH2)	Replace 480 LF of 6 inch CI with 8 and 6 inch DIPCL - added to Lake St Ph 2.	2007540	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 102,000	\$ 157,450	\$ 164,300	\$ 149,975	Nashua	Yes	\$ 27.13	\$ 4,069	Added due to Kessler Farm Tank deferral to 2021.
Fields Grove Crossing (Lake St Area PH2)	Cross City park with 16" HDPE direction bore - 890 LF- added to Lake St Ph 2.	2007557	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 60,000	\$ 60,000	\$ 20,000	\$ -	Nashua	Yes	\$ 27.13	\$ -	Added due to Kessler Farm Tank deferral to 2021.
Pine St (Lake St Area PH2) Manatee and Sarasota intersection work	Cut in tees for manatee and sarasota.	2007541	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ -	\$ -	\$ 31,500	\$ 90,922	Nashua	Yes	\$ 27.13	\$ 2,467	Intersection work associated with Sarasota and Manatee projects.
Ingalls St - complete in 2020	Emergency water main replacement - 175' of Galv (1921) replaced with 4" PVC.	2007544	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 38,000	\$ 45,300	\$ 37,000	\$ 33,471	Nashua	Yes	\$ 27.13	\$ 908	Added due to Kessler Farm Tank deferral to 2021.
Walnut St - water main (added to crescent/school st project)	Paving related to water main replacement - replace 50' of 12" CI															

Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Board Approved 2020 Capex Budget	QCPAC Eligible?	Estimated Project Cost as of 6/30/2020	Estimated Project Cost as of 9/30/2020	Estimated Project Cost as of 11/30/2020	Final Project cost as of 12/31/2020	Community	Taxable	2020 Tax Rate (%)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion from Board Approved 2020 Capex Budget
Misc. Structural Improvements	Misc. Structural Improvements	n/a	DW17-183	26,101	2/2/2018	\$ 20,000	Yes	\$ 16,700	\$ -	\$ -	\$ -	Various	Yes	\$ 28.52	\$ -	
Misc. Structural Improvements	Replace Fire Alarm System Control Boards - Damaged by Lightning Strike.	2006032	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ -	\$ 15,120	\$ 15,120	\$ 14,242	Nashua	Yes	\$ 27.13	\$ 386	
Misc. Structural Improvements	Replace Maple Haven Pump Station Roof.	2008269	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ -	\$ -	\$ 4,235	\$ 5,170	Derry	Yes	\$ 29.06	\$ 150	
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased	n/a	DW17-183	26,101	2/2/2018	\$ 17,500	Yes	\$ 8,437	\$ 8,473	\$ -	\$ -	Nashua	Yes	\$ 27.13	\$ -	
Miscellaneous Equipment Purchased	Replace Sewage Ejection Pump, Snow Station	2003515	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 3,300	\$ 3,300	\$ 3,300	\$ 3,287	Nashua	Yes	\$ 27.13	\$ 89	
Miscellaneous Equipment Purchased	WTP Replace Filter-to-Waste Valve	1918552	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 2,353	\$ 2,353	\$ 2,353	\$ 2,353	Nashua	Yes	\$ 27.13	\$ 64	This was in 2019 budget, but did not go useful until 2020.
Miscellaneous Equipment Purchased	Replace Sludge Pump #2, WTP.	2004525	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 3,410	\$ 3,410	\$ 3,410	\$ 3,406	Various	Yes	\$ 28.52	\$ 97	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	n/a	DW17-183	26,101	2/2/2018	\$ 30,000	Yes	\$ 8,500	\$ 8,500	\$ -	\$ -	Various	Yes	\$ 28.52	\$ -	
Miscellaneous SCADA/Electrical	Replace VFD, Pump #3 - High Pines Booster	2003512	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 9,500	\$ 9,500	\$ 9,500	\$ 9,523	Nashua	Yes	\$ 27.13	\$ 258	
Miscellaneous SCADA/Electrical	Install cellular SCADA device, HI and LO, Derry.	2004180	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,354	Derry	Yes	\$ 27.02	\$ 64	
Miscellaneous SCADA/Electrical	SCADA control system, Powder Hill, Donald St.	2004989	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 9,500	\$ 9,500	\$ 9,500	\$ -	Bedford	Yes	\$ 27.02	\$ -	Deferred
Miscellaneous SCADA/Electrical	Replace Intermediate Pump 3, VFD at WTP.	2008126	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ -	\$ -	\$ 5,500	\$ -	Nashua	Yes	\$ 27.13	\$ -	Deferred
Rebuild NWS booster pump #2	Rebuild NWS booster pump #2.	2003436	DW17-183	26,101	2/2/2018	\$ 40,000	Yes	\$ -	\$ 50,000	\$ 50,000	\$ 43,464	Nashua	Yes	\$ 27.13	\$ 1,179	
WTP Structural/HVAC	WTP Structural/HVAC	n/a	DW17-183	26,101	2/2/2018	\$ 10,000	Yes	\$ 10,000	\$ 10,000	\$ -	\$ -	Nashua	Yes	\$ 27.13	\$ -	
Purchase new lab equipment	Purchase new lab equipment.	n/a	DW17-183	26,101	2/2/2018	\$ 20,000	Yes	\$ 20,000	\$ 20,000	\$ 5,000	\$ -	Nashua	Yes	\$ 27.13	\$ -	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	DW17-183	26,101	2/2/2018	\$ 10,000	Yes	\$ 10,000	\$ -	\$ -	\$ -	Various	Yes	\$ 27.13	\$ -	
Replace Vehicle 200	Replace Vehicle 200	2007616	DW17-183	26,101	2/2/2018	\$ 40,000	Yes	\$ 40,000	\$ 35,000	\$ 35,000	\$ 31,949	Nashua	No	\$ 27.13	\$ -	
Replace Vehicle 201	Replace Vehicle 201	2004137	DW17-183	26,101	2/2/2018	\$ 55,000	Yes	\$ 55,000	\$ 55,000	\$ 55,000	\$ 53,062	Nashua	No	\$ 27.13	\$ -	
Replace Vehicle 63	Replace Vehicle 63	n/a	DW17-183	26,101	2/2/2018	\$ 40,000	Yes	\$ 40,000	\$ -	\$ -	\$ -	Nashua	No	\$ 27.13	\$ -	Deferred
Repair/Replace Soffit and Fascia, Boat House Bldg.	Repair/Replace Soffit and Fascia, Boat House Bldg.	n/a	DW17-183	26,101	2/2/2018	\$ 30,000	Yes	\$ 30,000	\$ -	\$ -	\$ -	Nashua	Yes	\$ 27.13	\$ -	No contractors available. Deferred until 2021.
Carbon media changeout-filters 5 & 6	Carbon media changeout-filters 5 & 6.	2003490	DW17-183	26,101	2/2/2018	\$ 500,000	Yes	\$ 500,000	\$ 450,000	\$ 450,000	\$ 495,331	Nashua	Yes	\$ 27.13	\$ 13,438	
Install new Day Fuel Tank, Controller and related equip., FWPS Generator	Install new Day Fuel Tank, Controller and related equip., FWPS Generator.	n/a	DW17-183	26,101	2/2/2018	\$ 75,000	Yes	\$ 75,000	\$ -	\$ -	\$ -	Nashua	Yes	\$ 27.13	\$ -	Deferred until 2021. Project scope being evaluated under new code.
SCADA PLC Replacements	SCADA PLC Replacements	n/a	DW17-183	26,101	2/2/2018	\$ 75,000	Yes	\$ 75,000	\$ -	\$ -	\$ -	Nashua	Yes	\$ 27.13	\$ -	Deferred until 2021.
Replace 2 Hach Turbidimeters and associated control module	Replace 2 Hach Turbidimeters and associated control module.	2007545	DW17-183	26,101	2/2/2018	\$ 10,000	Yes	\$ 10,000	\$ 18,000	\$ 18,000	\$ 16,929	Nashua	Yes	\$ 27.13	\$ 459	Changed from 2 to 4 units.
Rebuild Merrimack River pump #2	Rebuild Merrimack River pump #2.	2008305	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ -	\$ -	\$ 93,100	\$ 93,090	Merrimack	Yes	\$ 28.86	\$ 2,687	
Supply Pond Dam Modifications per NHDES LOD	Engineering, Permitting, Design Services	2008270		0.1 DSRP		\$ -	No	\$ -	\$ -	\$ -	\$ 69,000	Merrimack/Nashua	No	\$ 27.55	\$ -	Engineering Design Work only
Harris Dam Raise Earthen Embankment, Dike wall	Engineering, Permitting, Design Services	2008271		0.1 DSRP		\$ -	No	\$ -	\$ -	\$ 90,000	\$ -	Merrimack/Nashua	No	\$ 27.55	\$ -	Engineering Design Work only
Munis FER Enhancements	Munis FER Enhancements	n/a	DW17-183	26,101	2/2/2018	\$ 35,000	Yes	\$ 35,000	\$ 35,000	\$ 35,000	\$ -	Merrimack	No	\$ 28.52	\$ -	
Misc Hardware	Misc Hardware	n/a	DW17-183	26,101	2/2/2018	\$ 20,000	Yes	\$ 6,945	\$ -	\$ 1,500	\$ -	Merrimack	No	\$ 28.52	\$ -	
Misc Hardware	Laptop Purchase for Regulatory Department - JK	2001987	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 1,660	\$ 1,660	\$ 1,660	\$ 1,397	Merrimack	No	\$ 28.52	\$ -	Purchase to accommodate work from home created by COVID19.
Misc Hardware	Laptop Purchase for Regulatory Department - CAH	2002761	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 1,400	\$ 1,400	\$ 1,400	\$ 1,397	Merrimack	No	\$ 28.52	\$ -	Purchase to accommodate work from home created by COVID19.
Misc Hardware	Laptop Purchase for onboarding employees (5)	2002930	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 9,995	\$ 9,995	\$ 9,995	\$ 9,913	Merrimack	No	\$ 28.52	\$ -	Purchase to accommodate work from home created by COVID19.
Misc Hardware	Laptop Purchase for New Employee C. Harding	2005120	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ -	\$ 2,491	\$ 2,491	\$ 2,491	Merrimack	No	\$ 28.52	\$ -	Purchase to accommodate work from home created by COVID19.
Misc Hardware	Spare Laptop Purchase	2005238	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ -	\$ 1,005	\$ 1,005	\$ 1,005	Merrimack	No	\$ 28.52	\$ -	Purchase to accommodate work from home created by COVID19.
Misc Hardware	New Laptop for Accounting new hire - Payroll Admin	2006388	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ -	\$ 1,160	\$ 1,160	\$ 1,160	Merrimack	No	\$ 28.52	\$ -	Purchase to accommodate work from home created by COVID19.
Misc Software	Misc Software	n/a	DW17-183	26,101	2/2/2018	\$ 12,000	Yes	\$ 2,880	\$ -	\$ -	\$ -	Merrimack	No	\$ 28.52	\$ -	
Misc Software	Macola Development Environment for testing upgrade.	2002276	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 5,280	\$ 5,280	\$ 5,280	\$ 6,400	Merrimack	No	\$ 28.52	\$ -	
Misc Software	Tyler Notify	2003317	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 3,840	\$ 3,840	\$ 3,840	\$ 3,024	Merrimack	No	\$ 28.52	\$ -	
Misc Software	MSL Server License for Munis Upgrade	2005976	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ -	\$ 6,350	\$ 6,350	\$ -	Merrimack	No	\$ 28.52	\$ -	Deferred
Website upgrades	Website upgrades	n/a	DW17-183	26,101	2/2/2018	\$ 8,000	Yes	\$ 8,000	\$ -	\$ -	\$ -	Merrimack	No	\$ 28.52	\$ -	
Salmon Replacement at WTP	The server at WTP is over 7 years old and should be replaced. I am recommending to replace the server with a VM host for ease of use and reliability.	2003704	DW17-183	26,101	2/2/2018	\$ 15,000	Yes	\$ 15,000	\$ 15,000	\$ 15,000	\$ 9,366	Merrimack	No	\$ 28.52	\$ -	
Additional UPS for Distribution Data Center	We are starting to leverage this datacenter more with more equipment. The current UPS is over subscribed and we need to protect everything in there.	2003493	DW17-183	26,101	2/2/2018	\$ 1,600	Yes	\$ 1,600	\$ 1,600	\$ 1,600	\$ 2,060	Merrimack	No	\$ 28.52	\$ -	
Meraki Wireless AP's for WTP	The current AP's at WTP are tied into the wireless at HQ. We will be changing to the Meraki solution for HQ so these will need to be replaced.	2003426	DW17-183	26,101	2/2/2018	\$ 3,000	Yes	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,252	Merrimack	No	\$ 28.52	\$ -	
Storage Replacement for PS6110 Array	Nimble add-on shelf - 33tb usable	2003425	DW17-183	26,101	2/2/2018	\$ 57,000	Yes	\$ 30,000	\$ 30,000	\$ 30,000	\$ 16,145	Merrimack	No	\$ 28.52	\$ -	
Veeam Backup of O365	Backup documents stored in the cloud within Office 365.	n/a	DW17-183	26,101	2/2/2018	\$ 2,000	Yes	\$ -	\$ 2,000	\$ 2,000	\$ 2,000	Merrimack	No	\$ 28.52	\$ -	
Client Remote Control Software	5 licenses	n/a	DW17-183	26,101	2/2/2018	\$ 1,300	Yes	\$ -	\$ 1,300	\$ 1,300	\$ -	Merrimack	No	\$ 28.52	\$ -	
CMMS replacement project	Replace Synegen/WAM with newer more cost effective/improved functionality system.	2000368	DW17-183	26,101	2/2/2018	\$ 600,000	Yes	\$ 600,000	\$ 600,000	\$ 450,000	\$ 433,263	Nashua	Yes	\$ 27.13	\$ 11,754	Project implementation has been slowed due to COVID19. Project \$\$ not used in 2020 will carry over into 2021.
New Building	New Building	2001988		0.1 DSRP		\$ 78,300	No	\$ 140,000	\$ 140,000	\$ 140,000	\$ 610,337	Nashua	Yes	\$ 27.13	\$ 16,558	
New Building - Server Room Networking	Routers/Switches/Racks/Patch Panels	2100047		0.1 DSRP		\$ 19,000	No	\$ 12,800	\$ 12,800	\$ 12,800	\$ 14,888	Nashua	Yes	\$ 27.13	\$ 404	
New Building - Phone System	Replacement of existing Phone system. New system will not work with existing hardware.	2100043		0.1 DSRP		\$ 70,000	No	\$ 60,000	\$ 60,000	\$ 60,000	\$ 77,830	Nashua	Yes	\$ 27.13	\$ 2,112	
JAMF - IOS mobile Management	Software configuration support for JAMF product.	2004171	DW17-183	26,101	2/2/2018	\$ 6,000	Yes	\$ 6,000	\$ 6,000	\$ 6,000	\$ 5,400	Merrimack	No	\$ 28.52	\$ -	
Document Management	Software to allow for document tracking and flow management (Accounting).	n/a	DW17-183	26,101	2/2/2018	\$ 8,000	Yes	\$ 5,400	\$ 5,400	\$ -	\$ -	Merrimack	No	\$ 28.52	\$ -	
Click Software move to MS sql	Move Click Database from Oracle to MS sql in order to retire Oracle after the WAM replacement project is complete.	2003421	DW17-183	26,101	2/2/2018	\$ 45,000	Yes	\$ 19,500	\$ 19,500	\$ 19,500	\$ 140,012	Merrimack	No	\$ 28.52	\$ -	
Lemon Street, Final Restoration	2020 Carryover Costs	2000693	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	Nashua	Yes	\$ 27.13	\$ 41	Not included in approved 2020 Budget.
Lowell Street, Final Restoration	2020 Carryover Costs	2000694	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 2,500	\$ 2,500	\$ 2,500	\$ -	Nashua	Yes	\$ 27.13	\$ -	Not included in approved 2020 Budget.
West Pearl Street, Final Restoration	2020 Carryover Costs	2000695	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 12,750	\$ 12,750	\$ 12,750	\$ 12,750	Nashua	Yes	\$ 27.13	\$ 346	Not included in approved 2020 Budget.
Retainage	Paid out in 2020 on retainage held on 2019 projects.	N/A	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ -	\$ -	\$ 162,383	\$ 164,061	Nashua	Yes	\$ 27.13	\$ 4,451	
Retainage	Held on various projects listed above. Will be paid out in 2021.	N/A	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ -	\$ -	\$ (54,805)	\$ (35,292)	Nashua	Yes	\$ 27.13	\$ (957)	
FALOC interest	Interest accrued on PWW FALOC from 5/1/2020 to 4/1/2021.		DW17-183	26,101	2/2/2018	\$ -	Yes	\$ -	\$ -	\$ 70,000	\$ 68,066	Various	No	\$ 28.45	\$ -	Projected interest accrued on FALOC \$\$ for funding of 2020 Capex projects.
Elm Street, Final Restoration	2020 Carryover Costs	2000696	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 21,750	\$ 21,750	\$ 21,750	\$ 21,750	Nashua	Yes	\$ 27.13	\$ 590	Not included in approved 2020 Budget.
Warren Street, Final Restoration	2020 Carryover Costs	2000697	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	Nashua	Yes	\$ 27.13	\$ 41	Not included in approved 2020 Budget.
New Drum Hand Truck	New Drum Hand Truck	2003534	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ -	\$ -	\$ -	\$ 1,383	Nashua	Yes	\$ 27.13	\$ 38	
Replace Sludge Discharge Pump #1	Replace Sludge Discharge Pump #1	2100054	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ -	\$ -	\$ -	\$ 3,522	Nashua	Yes	\$ 27.13	\$ 96	
M-Scopes & Metal Detectors	M-Scopes & Metal Detectors	2100055	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ -	\$ -	\$ -	\$ 9,910	Nashua	Yes	\$ 27.13	\$ 269	

Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Board Approved 2020 Capex Budget	QCPAC Eligible?	Estimated Project Cost as of 6/30/2020	Estimated Project Cost as of 9/30/2020	Estimated Project Cost as of 11/30/2020	Final Project cost as of 12/31/2020	Community	Taxable	2020 Tax Rate (l)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion from Board Approved 2020 Capex Budget
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Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Approved Budgeted Amount	QCPAC Eligible?	Estimated Project Cost as of 6/30/2021	Estimated Project Cost as of 9/30/2021	Estimated Project Cost as of 11/30/2021	Final Project cost as of 12/31/2021	Community	Taxable	Tax Rate (l)	QCPAC Eligible Property Tax Expense
Foreman Truck	Upfit of Foreman's Truck body at JC Madigans.	2107517		0.1 DSRR		\$ 61,000	Yes	\$ 61,000	\$ 61,000	\$ 61,000	\$ 69,469	Merrimack	No	\$ 22.26	\$ -
2021 New Services (10)	Single Family, Owner Build, New Homes	Routine	DW20-157	26,459	3/2/2021	\$ 50,000	Yes	\$ 80,000	\$ 75,000	\$ 72,000	\$ 64,613	Various	Yes	\$ 27.31	\$ 1,765
2021 Renewed Services (20)	Replacement of Failed Services	Routine	DW20-157	26,459	3/2/2021	\$ 110,000	Yes	\$ 60,000	\$ 72,000	\$ 64,000	\$ 62,510	Various	Yes	\$ 27.31	\$ 1,707
2021 Hydrants (15)	Replacement of non-functional hydrants	Routine	DW20-157	26,459	3/2/2021	\$ 90,000	Yes	\$ 60,000	\$ 48,000	\$ 48,000	\$ 39,043	Various	Yes	\$ 27.31	\$ 1,066
2021 Gates (10)	Replacement of Failed Gate Valves	Routine	DW20-157	26,459	3/2/2021	\$ 40,000	Yes	\$ 120,000	\$ 120,000	\$ 95,000	\$ 92,088	Various	Yes	\$ 27.31	\$ 2,515
2021 Radios (250)	Replacement of failed radios	Routine	DW20-157	26,459	3/2/2021	\$ 425,000	Yes	\$ 11,000	\$ 11,000	\$ 14,500	\$ 14,749	Various	Yes	\$ 27.31	\$ 403
2021 Radios (4250)	Yr 1 of 10 Replacement of all PWW Radios installed in 2007 (4000), New Radios for New meters for new customers (250). Replacement of failed meters(250).	2101626	DW20-157	26,459	3/2/2021	\$ 50,000	Yes	\$ 400,000	\$ 190,000	\$ 135,000	\$ 121,635	Various	Yes	\$ 27.31	\$ 3,322
2021 Meters (Growth) 5/8"-2" - Core & CWS (TBD)	New meters for new customers (250). Replacement of failed meters(250).	Routine	DW20-157	26,459	3/2/2021	\$ 50,000	Yes	\$ 50,000	\$ 50,000	\$ 62,000	\$ 60,048	Various	Yes	\$ 27.31	\$ 1,670
Replacement Utility Truck	Replacement for Truck #83 - 2011 F350, 110K miles, High maint costs & lots of bod	2103610		Excess 0.1 DSRR funds as of 12/31/2021 per notes 3&4		\$ 70,000	Yes	\$ 70,000	\$ 70,000	\$ 70,000	\$ 67,828	Merrimack	No	\$ 22.26	\$ -
Replacement Utility Truck	Replacement for Truck #9 - 2014 F350, 110K Miles, High maint costs & significant	2103609		Excess 0.1 DSRR funds as of 12/31/2021 per notes 3&4		\$ 70,000	Yes	\$ 70,000	\$ 70,000	\$ 70,000	\$ 67,828	Merrimack	No	\$ 22.26	\$ -
Replacement Full Size Pickup	Replacement for Truck #95 - 2008 Ford Ranger 110K miles did not pass inspection	2103612		Excess 0.1 DSRR funds as of 12/31/2021 per notes 3&4		\$ 45,000	Yes	\$ 45,000	\$ 45,000	\$ 45,000	\$ 44,990	Merrimack	No	\$ 22.26	\$ -
Replacement Full Size Pickup	Replacement for Truck # 20 - 2008 Ford Ranger 135K miles did not pass inspection	NTD <sup>2</sup>	DW20-157	26,459	3/2/2021	\$ 45,000	Yes	\$ -	\$ -	\$ -	\$ -	Merrimack	No	\$ 22.26	\$ -
Replacement SUV - Meter Reading	Replacement for vehicle #21 - 2013 Chevy Equinox 135k miles, high maint costs & Irrigation system, loam & seed area at front of Distribution Building.	2103615		Excess 0.1 DSRR funds as of 12/31/2021 per notes 3&4		\$ 35,000	Yes	\$ 35,000	\$ 35,000	\$ 35,000	\$ 32,451	Merrimack	No	\$ 22.26	\$ -
Landscape Improvements	Replacement for # 96 - 2010 EHWA Valvemat - Valve Turner not functional and c	NTD	DW20-157	26,459	3/2/2021	\$ 15,000	Yes	\$ 15,000	\$ 15,000	\$ -	\$ -	Merrimack	Yes	\$ 22.26	\$ -
Replacement Valve/vac trailer	Replacement for # 96 - 2010 EHWA Valvemat - Valve Turner not functional and c	2105021	DW20-157	26,459	3/2/2021	\$ 65,000	Yes	\$ 72,000	\$ 70,970	\$ 70,970	\$ 70,971	Merrimack	No	\$ 22.26	\$ -
Replacement Equipment Trailer	Replacement for # 53 - 14' BigTex Trailer - Excessive rust & rot and safety issues.	NTD	DW20-157	26,459	3/2/2021	\$ 7,500	Yes	\$ 7,500	\$ 7,500	\$ -	\$ -	Merrimack	No	\$ 22.26	\$ -
Protectus Meter Upgrade	Protectus Meter Upgrade	NTD	DW20-157	26,459	3/2/2021	\$ 22,000	Yes	\$ 22,000	\$ 22,000	\$ -	\$ -	Nashua	Yes	\$ 27.70	\$ -
Valve Turner & Vac Truck	Replacement for #60 - 15 Year Vac/Valve Trailer with excessive rot, will not pass in	2103613	DW20-157	26,459	3/2/2021	\$ 200,000	Yes	\$ 200,000	\$ 200,000	\$ 200,000	\$ 207,981	Merrimack	No	\$ 22.26	\$ -
Miscellaneous Tools for Distribution Department	New Impact Tool/Wrench For Repairing Hydrants	2109058	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ -	\$ -	\$ -	\$ 4,659	Merrimack	No	\$ 22.26	\$ -
Miscellaneous Tools for Distribution Department	Portable Heated Pressure Washer	2109770	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ -	\$ -	\$ -	\$ 8,030	Merrimack	No	\$ 22.26	\$ -
Miscellaneous Tools for Distribution Department	Replacement Piercing Tool/Grundomat	2109774	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ -	\$ -	\$ -	\$ 10,295	Merrimack	No	\$ 22.26	\$ -
Office Space for Const & Maint Supervisor	Permanent office space for Construction & Maintenance Supervisor	NTD	DW20-157	26,459	3/2/2021	\$ 15,000	Yes	\$ 15,000	\$ -	\$ -	\$ -	Merrimack	Yes	\$ 23.26	\$ -
Locker Room Deep Wash Sinks	Deep stainless wash sinks to replace existing sinks in male & female locker rooms.	NTD	DW20-157	26,459	3/2/2021	\$ 10,000	Yes	\$ 10,000	\$ -	\$ -	\$ -	Merrimack	Yes	\$ 22.26	\$ -
Locker Room Benches	Permanent Benches for Male & Female locker rooms.	NTD	DW20-157	26,459	3/2/2021	\$ 7,500	Yes	\$ 7,500	\$ -	\$ -	\$ -	Merrimack	Yes	\$ 22.26	\$ -
Distribution Facility Bird Mitigation	Installation of 3/4" Bird Mitigation Netting to the Outside Vehicle/equipment covered	2105481	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 27,000	\$ 26,250	\$ 26,250	\$ 26,250	Merrimack	Yes	\$ 22.26	\$ 584
Brook Street	Replace 225 LF of 4 inch and 915 LF of 6 inch CI with 1140 LF of 8 inch DIPCL.	2102529	DW20-157	26,459	3/2/2021	\$ 103,000	Yes	\$ 100,000	\$ 95,100	\$ 95,100	\$ 88,038	Nashua	Yes	\$ 27.70	\$ 2,439
Hamilton Street	Replace 410 LF of 6 inch CI with 4 inch DIPCL	2102528	DW20-157	26,459	3/2/2021	\$ 33,000	Yes	\$ 75,000	\$ 70,200	\$ 70,200	\$ 63,817	Nashua	Yes	\$ 27.70	\$ 1,768
Burnitt Street	Replace 425 LF of 4 inch CI with 8 inch DIPCL	2102532	DW20-157	26,459	3/2/2021	\$ 24,000	Yes	\$ 25,000	\$ 28,500	\$ 28,500	\$ 39,353	Nashua	Yes	\$ 27.70	\$ 1,090
Burnitt Street	Replace 125 LF of 4 inch CI with 4 inch DIPCL	combined with above		DW20-157	26,459	3/2/2021	\$ 12,000	Yes	\$ 15,000	\$ 14,300	\$ -	Nashua	Yes	\$ 27.70	\$ -
Verona Street	Replace 675 LF of 6 inch CI with 8 inch DIPCL	2102534	DW20-157	26,459	3/2/2021	\$ 56,000	Yes	\$ 60,000	\$ 51,200	\$ 51,200	\$ 47,447	Nashua	Yes	\$ 27.70	\$ 1,314
Sarasota Ave	Replace 250 LF of 6 inch CI with 8 inch DIPCL	2102531	DW20-157	26,459	3/2/2021	\$ 24,000	Yes	\$ 18,000	\$ 32,730	\$ 32,730	\$ 37,435	Nashua	Yes	\$ 27.70	\$ 1,037
Merrimack River Pumping Station	Add third 350 horsepower pump with electrical and Structural Improvements.	2102256	DW20-157	26,459	3/2/2021	\$ 140,000	Yes	\$ 140,000	\$ 140,000	\$ 140,000	\$ 270,109	Merrimack	Yes	\$ 22.26	\$ 6,013
Kessler Farm Tank Replacement	Replaced 4 MG painted steel water tank with 4 MG prestressed, precast water tank.	2101759	DW20-157	26,459	3/2/2021	\$ 4,000,000	Yes	\$ 4,000,000	\$ 4,344,000	\$ 4,344,000	\$ 3,967,087	Nashua	Yes	\$ 27.70	\$ 109,888
Coburn Woods (all side streets)	Replace 4400 LF of 2 inch PVC with 4 inch DIPCL	2002685 & 2101761	DW20-157	26,459	3/2/2021	\$ 1,855,000	Yes	\$ 1,855,000	\$ 840,000	\$ 840,000	\$ 755,205	Nashua	Yes	\$ 27.70	\$ 20,919
Merrimack River Intake	Merrimack River Intake Modified Source Water Protection Plan	2101763		0.1 DSRR		\$ 30,000	Yes	\$ 110,000	\$ 60,000	\$ 60,000	\$ 124,113	Merrimack	No	\$ 22.26	\$ -
Balcom Street	Replace 1240 LF 6 inch CI with 1240 LF 8 inch DIPCL.	NTD	DW20-157	26,459	3/2/2021	\$ 294,000	Yes	\$ 294,000	\$ -	\$ -	\$ -	Nashua	Yes	\$ 27.70	\$ -
Euclid Avenue	Replace 425 LF 6 inch CI with 425 LF 8 inch DIPCL.	NTD	DW20-157	26,459	3/2/2021	\$ 100,000	Yes	\$ 100,000	\$ -	\$ -	\$ -	Nashua	Yes	\$ 27.70	\$ -
Ash Street	Final Paving	2102530	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 30,000	\$ 26,400	\$ 26,400	\$ 24,474	Nashua	Yes	\$ 27.70	\$ 678
Chataqua Avenue	Design work for 2022 project	2101749		0.1 DSRR		\$ -	Yes	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,050	Nashua	No	\$ 27.70	\$ -
Manatee Street	Final Paving, Includes Pine St Intersection	2102535	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 16,000	\$ 13,500	\$ 13,500	\$ 5,433	Nashua	Yes	\$ 27.70	\$ 151
Niquette Drive	2022	2103936	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 52,000	\$ 52,800	\$ 52,800	\$ 50,683	Nashua	Yes	\$ 27.70	\$ 1,404
377 Main Street Repairs	Ph 2	2105498	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 25,000	\$ 24,000	\$ 24,000	\$ 21,700	Nashua	Yes	\$ 27.70	\$ 601
Faxon Avenue	Nearby sewer work forces replacement of outdated 2" CI pipe with 205 LF of new 4" C900 PVC.	2105579		0.1 DSRR		\$ -	Yes	\$ 85,800	\$ 4,000	\$ 4,000	\$ 1,233	Nashua	No	\$ 27.70	\$ -
Faxon Street	Sewer work forces replacement of outdated 6" CI pipe with 528 LF of new 6" DIPCL.	2105580		0.1 DSRR		\$ -	Yes	\$ 219,400	\$ 8,000	\$ 8,000	\$ 2,089	Nashua	No	\$ 27.70	\$ -
Sweet Hill Interconnection	Connecting Pipeline and Meter Pit	NTD		NHDES SRF or DWGTF		\$ 250,000	Yes	\$ -	\$ -	\$ -	\$ -	Plaistow	Yes	\$ 23.89	\$ -
Twin Ridge Interconnection	Connecting Pipeline and Meter Pit	NTD		NHDES SRF or DWGTF		\$ 100,000	Yes	\$ -	\$ -	\$ -	\$ -	Plaistow	Yes	\$ 23.89	\$ -
PWW RRA- ERP	Engineering Evaluations to Implement Recommendations	2106256		0.1 DSRR		\$ 200,000	Yes	\$ 200,000	\$ 200,000	\$ 200,000	\$ 15,762	Various	No	\$ 27.31	\$ -
Main Upsizing for South Depot Rd, Hollis	Upsizing of watermain from required 8" per tariff	2200415	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ -	\$ -	\$ -	\$ 31,273	Hollis	Yes	\$ 27.30	\$ 854
Trimble GPS and Monitoring Equipment	Level Monitors, Pressure Monitors and Flow Monitors	2200386 & 2109775	DW20-157	26,459	3/2/2021	\$ 32,000	Yes	\$ 32,000	\$ 32,000	\$ 32,000	\$ 42,456	Various	No	\$ 27.31	\$ -
Merrimack River Watershed Council	Grant Match with the Stakeholders \$40k for five years.	NTD		0.1 DSRR		\$ 40,000	Yes	\$ 40,000	\$ 40,000	\$ 40,000	\$ -	Various	No	\$ 27.31	\$ -
Investment in Developer Services	1x Annual Revenue	Routine	DW20-157	26,459	3/2/2021	\$ 90,000	Yes	\$ 140,000	\$ 80,000	\$ 63,000	\$ 61,777	Various	Yes	\$ 27.31	\$ 1,687
Engineering Vehicle	SUV Replaces a 2014 vehicle with over 150,000 miles.	NTD	DW20-157	26,459	3/2/2021	\$ 30,000	Yes	\$ 30,000	\$ -	\$ -	\$ -	Nashua	No	\$ 27.70	\$ -
Engineering Vehicle	SUV Replaces (#34) 2010 with over 196,000 miles.	NTD	DW20-157	26,459	3/2/2021	\$ 30,000	Yes	\$ 30,000	\$ -	\$ -	\$ -	Nashua	No	\$ 27.70	\$ -
Route 101A Water Main Relocation	Route 101A Water Main Relocation	2008857 & 2102006		0.1 DSRR		\$ -	Yes	\$ 505,000	\$ 15,000	\$ 15,000	\$ 11,537	Nashua	No	\$ 27.70	\$ -
Northwest Pressure System Analysis	Milford, NH	2105480		0.1 DSRR		\$ -	Yes	\$ 25,000	\$ 25,000	\$ 25,000	\$ 16,949	Nashua	No	\$ 27.70	\$ -
Distribution System Analysis - HUDSON	Hydraulic modelling and Engineering analysis of the Pennichuck Distribution system's ability to provide water to Hudson, NH	2105499		0.1 DSRR		\$ -	Yes	\$ 25,000	\$ 25,000	\$ 25,000	\$ 5,058	Nashua	No	\$ 27.70	\$ -
Pennichuck Brook Aerial Survey	Pennichuck Brook Aerial Survey	2106254		0.1 DSRR		\$ -	Yes	\$ -	\$ 19,500	\$ 19,500	\$ 14,930	Various	No	\$ 27.31	\$ -
New Building	New Building 2021 Carryover Costs	2001988 & 2101751		0.1 DSRR		\$ -	Yes	\$ 35,000	\$ 35,000	\$ 35,000	\$ 31,982	Nashua	Yes	\$ 27.70	\$ 886
COO Vehicle	SUV Replaces a 2014 vehicle with over 150,000 miles.	NTD	DW20-157	26,459	3/2/2021	\$ 30,000	Yes	\$ -	\$ -	\$ -	\$ -	Nashua	No	\$ 27.70	\$ -
Bon Terrain Contractual Payment	Phase 1 payment per SNHWC contract with Tana Properties.	NTD	DW20-157	26,459	3/2/2021	\$ 129,200	Yes	\$ 129,200	\$ 129,200	\$ -	\$ -	Amherst	No	\$ 26.29	\$ -
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	Routine	DW20-157	26,459	3/2/2021	\$ 40,000	Yes	\$ 30,000	\$ 54,000	\$ 5,000	\$ 41,731	Merrimack	Yes	\$ 22.26	\$ 929
Booster Pump replacement/rebuild	Bowers Landing Replace VFD, Fire Pump #1	2102277	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 4,719	\$ 4,719	\$ 4,719	\$ 4,719	Merrimack	Yes	\$ 22.26	\$ 105
Booster Pump replacement/rebuild	Bowers Landing Replace VFD, Fire Pump #2	2102278	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 4,641	\$ 4,641	\$ 4,641	\$ 4,642	Merrimack	Yes	\$ 22.26	\$ 103
Booster Pump replacement/rebuild	High Pine Ave, Replace VFD, Pump #1	2108089	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ -	\$ -	\$ -					

Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Approved Budgeted Amount	QCPAC Eligible?	Estimated Project Cost as of 6/30/2021	Estimated Project Cost as of 9/30/2021	Estimated Project Cost as of 11/30/2021	Final Project cost as of 12/31/2021	Community	Taxable	Tax Rate (l)	QCPAC Eligible Property Tax Expense
Miscellaneous SCADA/Electrical	Purchase new Studio 5000 Ilix SCADA Software	2105691	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ -	\$ 4,272	\$ 4,272	\$ 4,273	Nashua	Yes	\$ 27.70	\$ 118
Miscellaneous SCADA/Electrical	Purchase spare circuit boards for Rotork actuators	2107682	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ -	\$ 4,345	\$ 4,345	\$ -	Nashua	Yes	\$ 27.70	\$ -
Miscellaneous SCADA/Electrical	Replace 5 year old SCADA node computers	NTD	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ -	\$ 29,000	\$ -	\$ -	Nashua	Yes	\$ 27.70	\$ -
Miscellaneous SCADA/Electrical	Replace PLC at High Pine Pump Station	2108485	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ -	\$ -	\$ -	\$ 13,075	Nashua	Yes	\$ 27.70	\$ 362
Replace 6 Ultrasonic Tank Level monitors	Replace failed WTP Bulk and Day tank level monitors	2107683 & 2108371	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ -	\$ -	\$ -	\$ 11,190	Nashua	Yes	\$ 27.70	\$ 310
Rebuild 1 High lift/Intermediate pump	Rebuild 1 High lift/Intermediate pump	NTD	DW20-157	26,459	3/2/2021	\$ 25,000	Yes	\$ 25,000	\$ 25,000	\$ -	\$ -	Nashua	Yes	\$ 27.70	\$ -
Replace VFD, Intermediate Pump #3 WTP	Replace VFD, Intermediate Pump #3 WTP	2102309	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 28,000	\$ 28,000	\$ 28,000	\$ 27,298	Nashua	Yes	\$ 27.70	\$ 756
WTP Structural/HVAC	WTP Structural/HVAC	NTD	DW20-157	26,459	3/2/2021	\$ 10,000	Yes	\$ 10,000	\$ 10,000	\$ -	\$ -	Various	Yes	\$ 27.70	\$ -
Purchase new lab equipment	Purchase Lab Bench Top Turbidimeter	2108537	Excess 0.1 DSRF funds as of 12/31/2021 per notes 3&4			\$ 20,000	Yes	\$ 20,000	\$ 20,000	\$ 5,000	\$ 4,367	Nashua	No	\$ 27.70	\$ -
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	NTD	DW20-157	26,459	3/2/2021	\$ 10,000	Yes	\$ 1,850	\$ -	\$ -	\$ -	Various	Yes	\$ 27.70	\$ -
Miscellaneous Fencing and Security projects	Install Perimeter Fence around remote wells, Badger Hill, Milford	2103214	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 8,150	\$ 8,150	\$ 8,150	\$ 8,150	Various	Yes	\$ 27.70	\$ 223
Add Third pump - Donald Street Booster Station	Add Third pump - Donald Street Booster Station	NTD	DW20-157	26,459	3/2/2021	\$ 40,000	Yes	\$ -	\$ -	\$ -	\$ -	Bedford	Yes	\$ 22.08	\$ -
Vehicle replacement	Vehicle replacement-replace vehicle 210. >160,000 miles, 3K repairs in 2020.	2108277	Excess 0.1 DSRF funds as of 12/31/2021 per notes 3&4			\$ 55,000	Yes	\$ 55,000	\$ 55,000	\$ 45,000	\$ 41,677	Nashua	No	\$ 27.70	\$ -
Vehicle replacement	Vehicle replacement - Replace vehicle 351. >163,000 miles, 6K repairs in 2020.	NTD	DW20-157	26,459	3/2/2021	\$ 40,000	Yes	\$ 40,000	\$ -	\$ -	\$ -	Nashua	No	\$ 27.70	\$ -
Replace 6 filter turbidimeters (manufacturer no longer supports current units).	Replace 6 filter turbidimeters (manufacturer no longer supports current units).	NTD	DW20-157	26,459	3/2/2021	\$ 30,000	Yes	\$ 30,000	\$ 30,000	\$ -	\$ -	Nashua	Yes	\$ 27.70	\$ -
Rebuild of Pump 2 @ Merrimack River Intake.	Rebuild of Pump 2 @ Merrimack River Intake.	2108557	DW20-157	26,459	3/2/2021	\$ 75,000	Yes	\$ 75,000	\$ 75,000	\$ 75,000	\$ 113,322	Merrimack	Yes	\$ 22.26	\$ 2,523
Replace Disconnect Switch On Pump 2 At Merrimack River	Replace Disconnect Switch On Pump 2 At Merrimack River	2108529	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ -	\$ -	\$ -	\$ 4,046	Merrimack	Yes	\$ 22.26	\$ 90
Repair/Replace Soffit and Fascia, Boat House Bldg.	Repair/Replace Soffit and Fascia, Boat House Bldg.	2103205	DW20-157	26,459	3/2/2021	\$ 30,000	Yes	\$ 15,000	\$ 12,600	\$ -	\$ -	Nashua	Yes	\$ 27.70	\$ -
Install new Day Fuel Tank, Controller and related equip. FWPS Generator	Regulatory requirement, existing equipment is malfunctioning and unreliable, Soft metals present in piping system which is not allowed.	NTD	DW20-157	26,459	3/2/2021	\$ 75,000	Yes	\$ -	\$ -	\$ -	\$ -	Nashua	No	\$ 27.70	\$ -
Replace Pakscan Master Station, WTP	Replace Pakscan Master Station, WTP	2103886	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 44,000	\$ 44,082	\$ 44,082	\$ 44,082	Nashua	Yes	\$ 27.70	\$ 1,221
New SCADA Control System, Powder Hill, Bedford	New SCADA Control System, Powder Hill, Bedford	2103888	Excess 0.1 DSRF funds as of 12/31/2021 per notes 3&4			\$ -	Yes	\$ 9,500	\$ 9,500	\$ 9,500	\$ 9,475	Bedford	Yes	\$ 22.08	\$ 209
Bowers Dam 2021 Permitting and design	Bowers Dam 2021 Permitting and design	2107806	0.1 DSRF			\$ -	Yes	\$ -	\$ 154,000	\$ 154,000	\$ 39,917	Merrimack/Nashua	No	\$ 25.11	\$ -
CMMS replacment project	Replace Synergen/WAM with newer more cost effective/improved functionality system	2101757	DW20-157	26,459	3/2/2021	\$ 100,000	Yes	\$ 100,000	\$ 100,000	\$ 65,010	\$ 65,010	Nashua	No	\$ 27.70	\$ -
Infoview Licenses	Infoview Licenses	2104021	Excess 0.1 DSRF funds as of 12/31/2021 per notes 3&4			\$ 65,000	Yes	\$ 53,450	\$ 53,450	\$ 53,450	\$ 53,450	Nashua	No	\$ 27.70	\$ -
Redundant Internet	The new phone system, these phone lines use the internet to make and receive telephone calls. We currently only have a single internet feed for the office and the WTP/Distribution facilities. This project provides a secondary internet feed into the Distribution facility which internet will provide us a redundant path to the internet in case one fails. This secondary internet feeds the internet load from the 3 major locations between the 2 internet connections instead of one.	2102395	Excess 0.1 DSRF funds as of 12/31/2021 per notes 3, 4&5 with remainder being funded via the Bond approved in NHPUC Order #23,459			\$ 69,000	Yes	\$ 69,000	\$ 44,832	\$ 44,832	\$ 43,470	Nashua	No	\$ 27.70	\$ -
Treatment Plant and Distribution security retrofit	Update both the Treatment plant and Distribution to the same security system that the new HQ is using so that there is one badge procedure and system to maintain. It will also give us better analytics and notifications of access to each of the buildings.	2103934	DW20-157	26,459	3/2/2021	\$ 37,000	Yes	\$ 120,000	\$ 126,000	\$ 126,000	\$ 128,419	Nashua	Yes	\$ 27.70	\$ 3,557
IT Storage Room / Work Room	Add tool box, work bench and parts storage to the IT room to keep things organized to provide a place to work on physical computers and perform repairs.	2105690	DW20-157	26,459	3/2/2021	\$ 4,000	Yes	\$ 4,000	\$ 4,000	\$ 4,000	\$ 1,255	Nashua	No	\$ 27.70	\$ -
Cybernetics Disk Array	Replace 7 year of device used for system back ups.	2104055	Excess 0.1 DSRF funds as of 12/31/2021 per notes 3&4			\$ 20,000	Yes	\$ 12,000	\$ 20,000	\$ 20,000	\$ 10,943	Nashua	No	\$ 27.70	\$ -
Virtual Desktops	The majority of the office computers will be 5 years old in 2021. The plan is create a Virtual Desktop that will support up to 50 concurrent users. By shifting the computing and disk requirements to a client server will increase computer speed that will allow the existing desktops to remain in service for several more years. Additionally the client server provides more flexibility to the end user to allow them to work at other locations and still get all their settings and programs to perform their job.	2104056	Excess 0.1 DSRF funds as of 12/31/2021 per notes 3&4			\$ 106,000	Yes	\$ 60,000	\$ 96,000	\$ 96,000	\$ 48,859	Nashua	No	\$ 27.70	\$ -
Computer Updates	There are 30 Computers that are due for replacement in 2023. These computers have very slow hard drives which make these computer frustrating for the end user to use. The systems decrease production from the user because of the time that programs open or being responsive. We should at least update these computers with new SSD drives to increase the productivity of the end user and give them a better end user experience.	NTD	DW20-157	26,459	3/2/2021	\$ 6,000	Yes	\$ 6,000	\$ -	\$ -	\$ -	Nashua	No	\$ 27.70	\$ -
Snow Station Switch Replacement	Replace the outdated switch that connects the fiber optic cable from outside to the inside of the WTP.	NTD	DW20-157	26,459	3/2/2021	\$ 1,000	Yes	\$ 1,000	\$ 1,000	\$ 1,000	\$ -	Nashua	Yes	\$ 27.70	\$ -
Munis FER Enancements	Munis FER Enhancements	NTD	DW20-157	26,459	3/2/2021	\$ 35,000	Yes	\$ 35,000	\$ 20,384	\$ 25,000	\$ -	Nashua	No	\$ 27.70	\$ -
Click to Munis Data interfaces	Implement connection between ClickSoft and Munis to reduce the need of user to duplicate data entry into Munis from information captured in ClickMobile.	NTD	DW20-157	26,459	3/2/2021	\$ 20,000	Yes	\$ 20,000	\$ -	\$ -	\$ -	Nashua	No	\$ 27.70	\$ -
CMMS PLL Implementation	Implementation of Cityworks PLL. Cityworks PLL simplifies applications for customers	2103213	Excess 0.1 DSRF funds as of 12/31/2021 per notes 3&4			\$ 170,000	Yes	\$ 125,595	\$ 170,000	\$ 170,000	\$ 140,049	Nashua	No	\$ 27.70	\$ -
Cityworks PLL License	License for above (Estimate)	NTD	DW20-157	26,459	3/2/2021	\$ 40,000	Yes	\$ 13,875	\$ -	\$ -	\$ -	Nashua	No	\$ 27.70	\$ -
Misc Hardware	Misc Hardware	NTD	DW20-157	26,459	3/2/2021	\$ 20,000	Yes	\$ 8,082	\$ 9,527	\$ 5,000	\$ -	Various	No	\$ 27.70	\$ -
Misc Hardware	Small MFP's at Distribution	2101826	Excess 0.1 DSRF funds as of 12/31/2021 per notes 3&4			\$ -	Yes	\$ 2,195	\$ 2,195	\$ 1,895	\$ 1,895	Various	No	\$ 27.70	\$ -
Misc Hardware	Replacement Laptops - CS	2102671	Excess 0.1 DSRF funds as of 12/31/2021 per notes 3&4			\$ -	Yes	\$ 3,500	\$ 3,500	\$ 3,500	\$ 4,995	Various	No	\$ 27.70	\$ -
Misc Hardware	New Laptops for Engineering Interns	2103177	Excess 0.1 DSRF funds as of 12/31/2021 per notes 3&4			\$ -	Yes	\$ 3,349	\$ 2,454	\$ 2,454	\$ 2,782	Various	No	\$ 27.70	\$ -
Misc Hardware	4 iPads & iPad cases	2105019	Excess 0.1 DSRF funds as of 12/31/2021 per notes 3&4			\$ -	Yes	\$ 2,874	\$ 2,874	\$ 2,874	\$ 2,874	Various	No	\$ 27.70	\$ -
Misc Hardware	Windows Server License	2109595	Excess 0.1 DSRF funds as of 12/31/2021 per notes 3&4			\$ -	Yes	\$ -	\$ -	\$ -	\$ 1,099	Nashua	No	\$ 27.70	\$ -
Misc Hardware	Laptops for Remote Workers	2109754	Excess 0.1 DSRF funds as of 12/31/2021 per notes 3&4			\$ -	Yes	\$ -	\$ -	\$ -	\$ 6,726	Various	No	\$ 27.70	\$ -
Remote User Laptops	Remote User Laptops	2104113	Excess 0.1 DSRF funds as of 12/31/2021 per notes 3&4			\$ -	Yes	\$ 36,000	\$ 36,000	\$ 36,000	\$ 37,897	Various	No	\$ 27.70	\$ -
Misc Software	Misc Software	NTD	DW20-157	26,459	3/2/2021	\$ 12,000	Yes	\$ 12,000	\$ -	\$ -	\$ -	Various	No	\$ 27.70	\$ -
WTP Wifi expansion	WTP Wifi expansion	NTD	DW20-157	26,459	3/2/2021	\$ 15,000	Yes	\$ -	\$ -	\$ -	\$ -	Nashua	No	\$ 27.70	\$ -
Redundant VPN Installation	Redundant VPN Installation	2108090	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ -	\$ 14,616	\$ 14,616	\$ -	Nashua	No	\$ 27.70	\$ -
Laptop for Scada/Electrical Tech	Laptop for Scada/Electrical Tech	2108558	Excess 0.1 DSRF funds as of 12/31/2021 per notes 3&4			\$ -	Yes	\$ -	\$ -	\$ -	\$ 1,129	Nashua	No	\$ 27.70	\$ -
RCO Call Recording	RCO Call Recording	2108554	0.1 DSRF			\$ -	Yes	\$ -	\$ -	\$ -	\$ 7,560	Nashua	No	\$ 27.70	\$ -
Union Negotiations 2021	Negotiations for 2021 to 2023 Union Contract	2200472	0.1 DSRF			\$ -	Yes	\$ -	\$ -	\$ -	\$ 1,356	Various	No	\$ 27.70	\$ -
Retainage	Paid out in 2021 on retainage held on 2020 projects.	N/A	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ -	\$ -	\$ -	\$ 35,292	Various	No	\$ 27.70	\$ -
Retainage	Held on various projects listed above. Will be paid out in 2022.	N/A	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ -	\$ -	\$ -	\$ (432,409)	Various	No	\$ 27.70	\$ -
Projected short term interest on FALOC	Interest incurred to finance 2021 Capex until permanent financing is achieved	N/A	Excess 0.1 DSRF funds as of 12/31/2021 per notes 3&4			\$ -	Yes	\$ 128,379	\$ 128,379	\$ 128,379	\$ 105,244	N/A	No	\$ -	\$ -
<b>Pennichuck Water Works Projected 2021 Total Cap</b>						<b>\$ 12,015,200</b>	<b>\$ -</b>	<b>\$ 11,171,559</b>	<b>\$ 9,200,600</b>	<b>\$ 8,698,989</b>	<b>\$ 7,585,454</b>	<b>Projected Property Tax Expense associated with</b>		<b>\$ 176,160</b>	

Total for 0.1 DSRF 2021 Projects - \$ 1,296,000  
 Total Projected Bond funded PWW QCPAC Capex for 2021 (3) (4) - \$ 10,369,200  
 Total Projected NHDES SRF/DWGTFF funded PWW QCPAC Capex for 2021 - \$ 350,000



Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Approved Budgeted Amount	QCPAC Eligible?	Estimated Project Cost as of 6/30/2021	Estimated Project Cost as of 9/30/2021	Estimated Project Cost as of 11/30/2021	Final Project cost as of 12/31/2021	Community	Taxable	Tax Rate (l)	QCPAC Eligible Property Tax Expense
	Estimated Bond Terms (Bonds to be sold in April 2022) - DWGITF Terms -	30	Years @	4.27792%	resulting in P&I of	\$ 620,050		\$ 589,324	\$ 508,403	\$ 478,408	\$ 408,348				The P&I expenses associated with the April 26, 2022 bond sales is as delineated in note 5 on the 2020-2024 QCPAC Rev Req Tab of this workbook.
		30	Years @	3.38%	resulting in P&I of	\$ 18,745		\$ -	\$ -	\$ -	\$ -				

1. Tax rate is the sum of the local community rate plus the Statewide Utility tax rate of \$6.60/\$1000
2. NTD - No Work Order Established to Date
3. 0.1 DSRR cash balance as of 12/31/2021 after funding 2021 0.1 DSRR capital expenditures - \$
4. Amount to be bonded for in April 2022 is reduced by the 0.1 DSRR cash balance in Note 3 above.
5. Since the 12/31/2021 combined balance of the RSF accounts was \$5,163,252 none of the remaining \$

570,701 based on the 12/31/2021 PWW 0.1 DSRR cash balance of \$ 1,018,148

570,701 was necessary to true up the RSF funds to the total desired imprest value of \$3,920,000 the remaining 12/31/2021 0.1 DSRR funds were used to pay for 2021 Capex projects.

Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Approved Budgeted Amount	QCPAC Eligible?	Estimated Year End Project Cost as of 09/30/2022	Community	Taxable	Tax Rate (l)	QCPAC Eligible Property Tax Expense	Explanation for Change /Addition/Deletion since Feb 2022 Filing
Office Space for Const & Maint Supervisor	Permanent Office space for Construction & Maint Supervisor	n/a	DW20-157	26,459	3/2/2021	\$ 15,000	Yes	\$ -	Merrimack	Yes	\$ 22.26	\$ -	Deferred to 2023
Locker Room Wash Sinks	Deep stainless wash sinks to replace existing sinks in male & female locker rooms	n/a	DW20-157	26,459	3/2/2021	\$ 10,000	Yes	\$ 10,000	Merrimack	Yes	\$ 22.26	\$ 223	
Locker Room Benches	Permanent Benches in Men's & Women's Locker Rooms	n/a	DW20-157	26,459	3/2/2021	\$ 7,500	Yes	\$ 7,500	Merrimack	Yes	\$ 22.26	\$ 167	
2022 New Services (15)	Single Family, Owner Build, New Homes	Routine	DW20-157	26,459	3/2/2021	\$ 75,000	Yes	\$ 75,000	Various	Yes	\$ 27.31	\$ 2,048	7 New Services thru 09/30/2022. 3 more projected through end of year.
2022 Renewed Services (20)	Replacement of Failed Services	Routine	DW20-157	26,459	3/2/2021	\$ 110,000	Yes	\$ 110,000	Various	Yes	\$ 27.31	\$ 3,004	24 Renewed Services thru 09/30/2022. Six more projected through end of year
2022 Hydrants (10)	Replacement of non functional hydrants	Routine	DW20-157	26,459	3/2/2021	\$ 60,000	Yes	\$ 15,000	Various	Yes	\$ 27.31	\$ 410	1 Hydrant Replaced thru 09/30/2022. Two more replacement through end of year
2022 Gates (20)	Replacement of Failed Gate Valves	Routine	DW20-157	26,459	3/2/2021	\$ 80,000	Yes	\$ 72,000	Various	Yes	\$ 27.31	\$ 1,966	8 Gate Valves Replaced thru 09/30/2022. Two more through end of year.
2022 Radios (250)	New Radios for new customers (250)	Routine	DW20-157	26,459	3/2/2021	\$ 25,000	Yes	\$ 177,000	Various	Yes	\$ 27.31	\$ 4,834	137 Radios Installed thru 09/30/2022. 40 more replacement projected through year end.
2022 Radios (2800)	Yr 2 of 10 year Replacement of all PWW Radios installed in 2007 (2800)	2200381	DW20-157	26,459	3/2/2021	\$ 280,000	Yes	\$ 240,000	Various	Yes	\$ 27.31	\$ 6,554	1224 Radios Replaced thru 09/30/2022. 1200 more through year end
2022 Meters (Growth) 5/8"-2" - Core & CWS (TBD)	New meters for new customers, including PFOA (250). Replacement of failed meters(250)	Routine	DW20-157	26,459	3/2/2021	\$ 50,000	Yes	\$ 60,000	Various	Yes	\$ 27.31	\$ 1,639	317 Meters Replaced thru 09/30/2022. 150 more projected through year end.
Replacement Dump Truck	Replacement for Truck # 7, 2011 Peterbilt T-335, 100K+ miles, 2500 hrs, high maint & Repair	n/a	DW20-157	26,459	3/2/2021	\$ 125,000	Yes	\$ -	Merrimack	No	\$ 22.26	\$ -	Deferred due to availability
Replacement Utility Truck	New Utility Truck to replace #84, 2014 F-350, 120k miles, High maint & Repair costs	2204657	DW20-157	26,459	3/2/2021	\$ 70,000	Yes	\$ 53,995	Merrimack	No	\$ 22.26	\$ -	
Replacement Utility Truck	New Utility Truck to replace #9, 2014 F-350, 120k miles, High Maint & Repair costs	2204656	DW20-157	26,459	3/2/2021	\$ 70,000	Yes	\$ 53,600	Merrimack	No	\$ 22.26	\$ -	
Replacement Supervisor Pickup	New Full sized Pickup to replace #21, 2013 Chevy Equinox, 150k miles, Hi Maint & Repair costs	2204655	DW20-157	26,459	3/2/2021	\$ 50,000	Yes	\$ 54,340	Merrimack	No	\$ 22.26	\$ -	
Protectus Meter Upgrade	Protectus Meter Upgrade	n/a	DW20-157	26,459	3/2/2021	\$ 22,000	Yes	\$ -	Nashua	Yes	\$ 27.70	\$ -	Deferred due to availability
Miscellaneous Construction Equipment	Miscellaneous Construction Equipment	n/a	DW20-157	26,459	3/2/2021	\$ 40,000	Yes	\$ -	Merrimack	No	\$ 22.26	\$ -	Budget Money moved to a different un-budgeted project/projects
New 22 Ton Tilt Trailer	22 Ton Tilt Trailer to transport Excavator for Distribution Crew Work	2205058	DW20-157	26,459	3/2/2021	\$ 30,000	Yes	\$ 39,421	Merrimack	No	\$ 22.26	\$ -	
Air Compressor for Vac/Valve Truck	Inline Air Compressor for Valve/Vac Truck for Jack Hammer & other equipment use	2206577	DW20-157	26,459	3/2/2021	\$ 12,000	Yes	\$ 18,450	Merrimack	No	\$ 22.26	\$ -	
New 3" Neptune Construction Meters	Purchase 2 new 3" Neptune Construction Meters to meet Demand	2203895	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 2,890	Merrimack	No	\$ 22.26	\$ -	Misc Construction Equipment Budget - Row 23
New Cut Saws for Distribution	2 New Stihl Cust saws for Distribution	2203898	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 3,528	Merrimack	No	\$ 22.26	\$ -	Misc Construction Equipment Budget - Row 24
New Mechanics Field Service Vehicle	New Mechanics Field Service Vehicle	2204653	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ -	Merrimack	No	\$ 22.26	\$ -	Misc Construction Equipment Budget - Row 25
Replacement Utility Trailer	Replacement Utility Trailer for Foreman	2204991	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 6,800	Merrimack	No	\$ 22.26	\$ -	
New Neptune Construction Meters	2 New Neptune Construction Meters for Contractor requests	2205668	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 2,890	Merrimack	No	\$ 22.26	\$ -	Misc Construction Equipment Budget - Row 25
Irrigation Sys. Inst. at Dist. Facility	Installation of Irrigation System at Distribution Facility	2205669	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 3,120	Merrimack	No	\$ 22.26	\$ -	
Loam & Hydroseed at Dist. Facility	Installation of Loam and Hydroseeding at Distribution Facility	2205672	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 8,333	Merrimack	No	\$ 22.26	\$ -	
Kessler Farm Tank Replacement	Replaced 4 MG painted steel water tank with 4 MG prestressed, precast water tank.	2200501	DW20-157	26,459	3/2/2021	\$ 300,000	Yes	\$ 272,000	Nashua	Yes	\$ 27.70	\$ 7,534	
Coburn Woods (all side streets) Phase 1	Replace 4400 LF of 2 inch PVC with 4 inch DIPCL.	2200500	DW20-157	26,459	3/2/2021	\$ 300,000	Yes	\$ 189,000	Nashua	Yes	\$ 27.70	\$ 5,235	
Miami Street	Complete main replacement and restoration in 2021 - Replace 429 LF of 2" CL pipe with 8" DIPCL	2201253	DW20-157	26,459	3/2/2021	\$ 177,000	Yes	\$ 187,550	Nashua	Yes	\$ 27.70	\$ 5,195	
Kendrick Street	Sewer work forces replacement of outdated 6" CI pipe with 466 LF of new 6" DIPCL	2201252	DW20-157	26,459	3/2/2021	\$ 190,000	Yes	\$ 130,000	Nashua	Yes	\$ 27.70	\$ 3,601	Paving on this was deferred until 2023. Paving cost will be reduced and shared with the City.
Faxon Avenue	Nearby sewer work forces replacement of outdated 2" CI pipe with 205 LF of new 4" C900 PVC	2201254	DW20-157	26,459	3/2/2021	\$ 86,000	Yes	\$ 86,000	Nashua	Yes	\$ 27.70	\$ 2,382	
Faxon Street	Sewer work forces replacement of outdated 6" CI pipe with 528 LF of new 6" DIPCL	2201255	DW20-157	26,459	3/2/2021	\$ 220,000	Yes	\$ 195,000	Nashua	Yes	\$ 27.70	\$ 5,402	Bid was lower than the engineer's estimate
Chataqua Ave	Broad St. to End Replace/Add 780 feet of 1.25"4"/6" Installed in 1915-1963 with 4"/6"	2200426	DW20-157	26,459	3/2/2021	\$ 209,000	Yes	\$ 267,000	Nashua	Yes	\$ 27.70	\$ 7,396	Paving restoration requirements were more than anticipated.
Niquette Dr.	E. Dunstable to service 12 Niquette Replace/Add 525 feet of 2" installed in 1960 with 4"	2200427	DW20-157	26,459	3/2/2021	\$ 131,000	Yes	\$ 127,200	Nashua	Yes	\$ 27.70	\$ 3,523	
Pine Hill Ave	Wright Rd. to End Replace/Add 300 feet of 1.25" installed in 1953 with 4"	2200422	DW20-157	26,459	3/2/2021	\$ 75,000	Yes	\$ 92,400	Nashua	Yes	\$ 27.70	\$ 2,559	Old pipe records were not accurate requiring more pipe to be replaced.
Mt. Pleasant St.	Merrimack St. to Manchester St. Replace/Add 400 feet of 1.5" installed in 1955 with 8"	2200423	DW20-157	26,459	3/2/2021	\$ 117,000	Yes	\$ 204,200	Nashua	Yes	\$ 27.70	\$ 5,656	More paving and night work than anticipated
French St.	Merrimack St. to 10 French Replace/Add 340 feet of 2"/6" installed in 1887 & 1926 with 4"/6"	2200424	DW20-157	26,459	3/2/2021	\$ 87,000	Yes	\$ 178,040	Nashua	Yes	\$ 27.70	\$ 4,932	More paving and night work than anticipated
Dudley St.	June St. to E. Hobart St. Replace/Add 830 feet of 1.25"/8" CI/AC installed in 1957-1971 with 8"	2200428	DW20-157	26,459	3/2/2021	\$ 256,000	Yes	\$ 300,000	Nashua	Yes	\$ 27.70	\$ 8,310	
Ledgewood Hills Dr. /Heather	To Intersection Replace/Add 10 feet of Unconnected installed in with 8"	2200429	DW20-157	26,459	3/2/2021	\$ 5,000	Yes	\$ 5,000	Nashua	Yes	\$ 27.70	\$ 152	
Rita St.	Allids St. to 6 Rita Replace/Add 210 feet of 1.5" CI/AC installed in 1956 with 4"	2200430				\$ 53,000	No	\$ 2,899	Nashua	No	\$ 27.70	\$ -	Design only
Salem St.	Whitney St. to Summer St. Replace/Add 855 feet of 4"/6" installed in 1888-1927 with 6"	2200425				\$ 253,000	No	\$ 300	Nashua	No	\$ 27.70	\$ -	Design only
Walnut St.	W. Pearl St. to W. Hollis St. Replace/Add 830 feet of 6"/8" installed in 1888-1931 with 12"	2200431				\$ 312,000	No	\$ 300	Nashua	No	\$ 27.70	\$ -	Design only
Garden Street	Emergency replacement of 150 lf of 6" CIP with 8" DIP		DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 50,000	Nashua	Yes	\$ 27.70	\$ 1,385	City Sewer Project - Budget from row 54
Route 101A Water Main Relocation	Route 101A Water Main Relocation	n/a	DW20-157	26,459	3/2/2021	\$ 600,000	Yes	\$ -	Nashua	Yes	\$ 27.70	\$ -	
PWW RRA- ERP	Implement Recommendations Evaluated in 2021	n/a	DW20-157	26,459	3/2/2021	\$ 500,000	Yes	\$ -	Various	Yes	\$ 27.31	\$ -	Budget Money moved to a different unbudgeted project/projects
Milford Booster Station	Replace/Relocate Milford Booster Station (Design & Permitting)	2201853				\$ 60,000	No	\$ 6,827	Milford	No	\$ 25.15	\$ -	Station to be designed, owned and operated by the Milford Water Department.
City Sewer Projects (2022)	Replace CI, AC, and other older main distributed by sewer construction	n/a	DW20-157	26,459	3/2/2021	\$ 300,000	Yes	\$ -	Nashua	Yes	\$ 27.70	\$ -	No city sewer projects projected for remainder of year
Coburn Tank Area HP Zone Watermain	Create new HP area with 1600 LF of Water Main and Check Valves	n/a				\$ 800,000	Yes	\$ 5,000	Nashua	No	\$ 27.70	\$ -	Design only, project deferred
Coburn Tank Area HP Booster Station	New Domestic flow and pressure booster station	n/a				\$ 550,000	Yes	\$ -	Nashua	No	\$ 27.70	\$ -	Design only, project deferred
Investment in Developer Services	1x Annual Revenue	Routine	DW20-157	26,459	3/2/2021	\$ 140,000	Yes	\$ 75,000	Various	Yes	\$ 27.31	\$ 2,048	87 Developer Services thru 09/30/2022, 30 more projected by year end
Trimble GPS and Monitoring Equipment	Level Monitors, Pressure Monitors and Flow Monitors	2204654	DW20-157	26,459	3/2/2021	\$ 32,000	Yes	\$ 20,000	Merrimack	No	\$ 22.26	\$ -	
Sweet Hill Interconnection	Connecting Pipeline and Meter Pit	n/a	SRF			\$ 220,000	Yes	\$ 10,000	Plaistow	Yes	\$ 23.89	\$ 239	Design only, project deferred
Twin Ridge Interconnection	Connecting Pipeline and Meter Pit	n/a	SRF			\$ 100,000	Yes	\$ 10,000	Plaistow	Yes	\$ 23.89	\$ 239	Design only, project deferred
Engineering Vehicle	SUV Replaces 2010 SUV #33 with over 118,000 miles.	n/a	DW20-157	26,459	3/2/2021	\$ 30,000	Yes	\$ -	Nashua	No	\$ 27.70	\$ -	Budget Money moved to 2201770
Engineering Vehicle	SUV Replaces (#34) 2010 with over 196,000 miles.	n/a	DW20-157	26,459	3/2/2021	\$ 30,000	Yes	\$ -	Nashua	No	\$ 27.70	\$ -	Budget Money moved to 2206415
Snow Station Building Addition	Addition of a third High Lift Pump (Design & Permitting)	n/a				\$ 100,000	Yes	\$ -	Nashua	No	\$ 27.70	\$ -	Project deferred
Engineering Studies: WTP	Chemical Feed and Storage, PFAS treatment	2205826				\$ 50,000	Yes	\$ 90,000	Nashua	No	\$ 27.70	\$ -	Project deferred
Atherton Commos	Install 9 Meter Boxes (Pits) and 45 inside meters with expansion tank	n/a	DW20-157	26,459	3/2/2021	\$ 125,000	Yes	\$ -	Amherst	Yes	\$ 26.29	\$ -	Project deferred
English Woods Alternative Source Interconnection	Interconnect the English Woods CWS to the Donald St ps w/ building expansion to remove chloramines	n/a	DW20-157	26,459	3/2/2021	\$ 310,000	Yes	\$ 5,000	Bedford	Yes	\$ 22.08	\$ 110	Design only, project deferred
2022 Chevy Equinox (Rep totaled #151)	Purchase a replacement vehicle due to storm damage (Rep totaled #151)	2201770	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 29,876	Nashua	Yes	\$ 27.70	\$ 828	
Merrimack River Intake SWPP	Merrimack River Intake SWPP	2201931				\$ -	No	\$ 29,725	Various	No	\$ 27.31	\$ -	
Coburn HP Sys. - Plann./Design/Prop.	Coburn HP Sys. - Plann./Design/Prop.	2204845				\$ -	No	\$ 8,000	Nashua	No	\$ 27.70	\$ -	
Water Quality Monitoring Device	Replacement for vandalized sonde/water quality monitoring probe	2206244	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 22,000	Nashua	Yes	\$ 27.70	\$ 609	
2022 Small Diameter Water Main Replacement - South	Nye Avenue Main Replacement - PWW - 2022	2206578	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 95,000	Nashua	Yes	\$ 27.70	\$ 2,632	
2022 Small Diameter Water Main Replacement - South	Almont St Main Replacement (Design) 2022	2206683				\$ -	No	\$ 1,100	Nashua	No	\$ 27.70	\$ -	Design only
2022 Small Diameter Water Main Replacement - South	Chapman St Main Repl. (Design) 2022	2206684				\$ -	No	\$ 1,100	Nashua	No	\$ 27.70	\$ -	Design only
2022 Small Diameter Water Main Replacement - South	Cherry St Main Replacement (Design) 2022	2206685				\$ -	No	\$ 1,100	Nashua	No	\$ 27.70	\$ -	Design only
2022 Small Diameter Water Main Replacement - South	D St Main Replacement (Design) 2022	2206686				\$ -	No	\$ 1,100	Nashua	No	\$ 27.70	\$ -	Design only
2022 Small Diameter Water Main Replacement - South	Nye Ave Main Replacement (Design) 2022	2206687				\$ -	No	\$ 1,100	Nashua	No	\$ 27.70	\$ -	Design only
2022 Small Diameter Water Main Replacement - South	Palm St Main Replacement (Design) 2022	2206688				\$ -	No	\$ 1,100	Nashua	No	\$ 27.70	\$ -	Design only
2022 Small Diameter Water Main Replacement - South	Savoy St Main Replacement (Design) 2022	2206689				\$ -	No	\$ 1,100	Nashua	No	\$ 27.70	\$ -	Design only
2022 Small Diameter Water Main Replacement - South	Swan St Main Replacement (Design) 2022	2206690				\$ -	No	\$ 1,100	Nashua	No	\$ 27.70	\$ -	Design only
2022 Small Diameter Water Main Replacement - South	Union St Main Replacement (Design) 2022	2206691				\$ -	No	\$ 1,100	Nashua	No	\$ 27.70	\$ -	Design only
Replace 6 filter turbidimeters (manufacturer no longer supports	Replace 6 filter turbidimeters (manufacturer no longer supports current units)	n/a	DW20-157	26,459	3/2/2021	\$ 30,000	Yes</						

Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Approved Budgeted Amount	QCPAC Eligible?	Estimated Year End Project Cost as of 09/30/2022	Community	Taxable	Tax Rate (l)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since Feb 2022 Filing
WTP Structural/HVAC	WTP Structural/HVAC	n/a	DW20-157	26,459	3/2/2021	\$ 20,000	Yes	\$ -	Nashua	Yes	\$ 27.70	\$ -	Budget Money moved to a different unbudgeted project/projects
Purchase new lab equipment	Purchase new lab equipment	n/a	DW20-157	26,459	3/2/2021	\$ 20,000	Yes	\$ -	Nashua	No	\$ 27.70	\$ -	Budget Money moved to a different unbudgeted project/projects
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	DW20-157	26,459	3/2/2021	\$ 10,000	Yes	\$ -	Various	Yes	\$ 27.31	\$ -	
Bowers Dam Spillway reconstruction/increase capacity	Bowers Dam Spillway reconstruction/increase capacity	2201369	DW20-157	26,459	3/2/2021	\$ 1,850,000	Yes	\$ 110,263	Merrimack/Nashua	Yes	\$ 25.11	\$ 2,768	Deferred due to supply chain issues and potential funding through NHDES HHDP
vehicle replacement	vehicle replacement	2205056	DW20-157	26,459	3/2/2021	\$ 55,000	Yes	\$ 45,359	Nashua	No	\$ 27.70	\$ -	
vehicle replacement	vehicle replacement	n/a	DW20-157	26,459	3/2/2021	\$ 40,000	Yes	\$ -	Nashua	No	\$ 27.70	\$ -	Deferred
Re-paint FWPS ceiling	Re-paint FWPS ceiling	n/a	DW20-157	26,459	3/2/2021	\$ 20,000	Yes	\$ -	Nashua	Yes	\$ 27.70	\$ -	Budget Money moved to a different unbudgeted project/projects
1433000	Carbon Filter Media	2202953	DW20-157	26,459	3/2/2021	\$ 1,300,000	Yes	\$ 1,433,000	Nashua	Yes	\$ 27.70	\$ 39,694	
Rebuild Bulk Sodium Hypochlorite Piping	Rebuild Bulk Sodium Hypochlorite piping system in the bulk chemical storage area at WTP	2202391	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 6,092	Nashua	Yes	\$ 27.70	\$ 169	
Purchase (2) confined space gas	Purchase (2) confined space gas monitors and related equipment	2203399	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 3,521	Nashua	Yes	\$ 27.70	\$ 98	
Purchase (2) Hach DR 900 devices	Purchase (2) Hach DR 900 water testing devices	2204849	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 4,240	Nashua	Yes	\$ 27.70	\$ 117	
Replace valve & actuator, Pulsator	Replacement of the valve and electric actuator for Pulsator Extraction Valve 2A	2204850	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 11,269	Nashua	Yes	\$ 27.70	\$ 312	
Purchase Underwater Remote Operated Veh.	Purchase Underwater Remote Operated Vehicle to perform tank inspections	2204919	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 10,224	Nashua	Yes	\$ 27.70	\$ 283	
Replace Radio Comm. - Shakespeare Tank	Replacement of the spread spectrum radio system with a cellular system	2205518	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 5,245	Nashua	Yes	\$ 27.70	\$ 145	
Replace Soft Starter Pump 1 Taylor Falls	Replace Soft Starter Pump 1 Taylor Falls	2206239	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 3,880	Nashua	Yes	\$ 27.70	\$ 107	
Rebuild WTP, Polymer Feed 1 Mixer/Motor	Rebuild WTP, Polymer Feed 1 Mixer/Motor	2206240	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 4,500	Nashua	Yes	\$ 27.70	\$ 125	
Replace Uranium Treatment System	Replace Uranium Treatment System	2207274	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ -	Derry	Yes	\$ 29.50	\$ -	
Replace Main Breaker Pump 1 Merrimack River	Replace 600 amp Main Breaker Pump 1 Merrimack River	2207860	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ -	Nashua	Yes	\$ 27.70	\$ -	
Replace 2 6in Sys. Iso Valve at Drew Woods	Replace 2 6in System Isolation Valves at Drew Woods	2207867	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 3,857	Derry	Yes	\$ 29.50	\$ 114	
Redundant VPN Project	Replace current Firewall and add a second firewall and internet feed at Distribution	2201937	DW20-157	26,459	3/2/2021	\$ 14,000	Yes	\$ 13,772	Nashua	No	\$ 27.70	\$ -	
PLL Implementatin Project	2022 CMMS PLL Implementation CO	2201250	DW20-157	26,459	3/2/2021	\$ 10,000	Yes	\$ 10,139	Nashua	No	\$ 27.70	\$ -	
SEIM	On premise appliance that will sift through server logs looking for anomylies and notify IT of issues.	n/a	DW20-157	26,459	3/2/2021	\$ 40,000	Yes	\$ -	Nashua	No	\$ 27.70	\$ -	Deferred to 2023
Cameras for Plant	Update and add additional cameras at WTP and pond intakes to enhanced security connection without the need for high end desptops or laptops.	2201772	DW20-157	26,459	3/2/2021	\$ 137,000	Yes	\$ 29,725	Nashua	No	\$ 27.70	\$ -	Remainder of work (\$100,000) to be completed in 2023
Virtualization of Engineering Applications	Virtual desktop environment for Engineering so that a user can work anywhere with an network connection without the need for high end desptops or laptops.	2207263	DW20-157	26,459	3/2/2021	\$ 83,000	Yes	\$ 44,000	Nashua	No	\$ 27.70	\$ -	
Secondary Production Storage	Additional storage to our production environment	2203420	DW20-157	26,459	3/2/2021	\$ 52,000	Yes	\$ 22,147	Nashua	No	\$ 27.70	\$ -	
Veeam Back Licensing to support SCADA Servers	Standardization of Backup software for SCADA servers to be what the rest of the Company uses.	n/a	DW20-157	26,459	3/2/2021	\$ 16,000	Yes	\$ -	Nashua	Yes	\$ 27.70	\$ -	
5th Virtual Server	Due to our strategy of moving towards a virtualized infrastructure, this would give us the necessary redundancy incase on of our existing Virtual servers fails.	2203421	DW20-157	26,459	3/2/2021	\$ 45,000	Yes	\$ 30,946	Nashua	No	\$ 27.70	\$ -	
Boardroom Camera and Microphone	Needed as the equipment currently used from the previous facility is not providing a quality experience	2207849	DW20-157	26,459	3/2/2021	\$ 15,000	Yes	\$ 16,000	Nashua	No	\$ 27.70	\$ -	Deferred to 2023
Update Audio in Distribution Lunch/Training room	As we are doing more training at this location, additional configuration changes are needed.	n/a	DW20-157	26,459	3/2/2021	\$ 14,000	Yes	\$ -	Merrimack	No	\$ 22.26	\$ -	Budget Money used for various software projects noted below.
Miscellaneous Software	Miscellaneous Software	n/a	DW20-157	26,459	3/2/2021	\$ 12,000	Yes	\$ -	Nashua	No	\$ 27.70	\$ -	Budget Money used for various hardware projects noted below.
Miscellaneous Hardware	Miscellaneous Hardware	n/a	DW20-157	26,459	3/2/2021	\$ 22,000	Yes	\$ -	Nashua	No	\$ 27.70	\$ -	Budget Money moved to a different unbudgeted project/projects
AV Updates for Distribution 2022 CO	AV Updates for Distribution 2022 CO	2200432	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 4,880	Merrimack	No	\$ 22.26	\$ -	Misc Hardware budget
2022 Laptops for Remote Workers CO	2022 Laptops for Remote Workers CO	2201235	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 1,475	Various	No	\$ 27.31	\$ -	Misc Hardware budget
2022 SCADA Network Update CO	2022 SCADA Network Update CO	2201333	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 87,177	Nashua	No	\$ 27.70	\$ -	
Laptop for New Employee (IS)	Laptop for New Employee (IS)	2201855	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 2,081	Nashua	No	\$ 27.70	\$ -	Misc Hardware budget
Network Load Balancer	Network Load Balancer for VPN connections	2204822	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 6,780	Nashua	No	\$ 27.70	\$ -	Misc software budget
Mobile Device Purchases/Upgrades	Upgrading Users Mobile Devices	2205399	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 55,000	Various	No	\$ 27.31	\$ -	
Replacement Laptop for IS Employee	Replacement Laptop for IS Employee	2207262	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 2,559	Nashua	No	\$ 27.70	\$ -	Misc Hardware budget
New Vehicle for PWSC Employee	New Vehicle for PWSC Employee	2206415	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 29,012	Nashua	No	\$ 27.70	\$ -	
Retainage	Paid out in 2022 on retainage held on 2023 projects.	N/A	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 190,342	Various	No	\$ 27.31	\$ -	
Retainage	Held on various projects listed above. Will be paid out in 2023.	N/A	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ (400,819)	Various	No	\$ 27.31	\$ -	
Projected short term interest on FALOC	Interest incurred to finance 2022 Capex until permanent financing is achieved	N/A	DW20-157	26,459	3/2/2021	\$ 155,000	Yes	\$ 207,000	N/A	No	N/A	\$ -	
<b>Pennichuck Water Works Projected 2022 Total Capital Expenditure Budget -</b>						<b>\$ 12,146,500</b>		<b>\$ 5,819,017</b>	<b>Projected Property Tax Expense associated with</b>		<b>\$ 137,708</b>		

Total for 0.1 DSRR 2022 Projects -	\$ 150,000	\$ 152,951	
Total Projected Bond funded PWW QCPAC Capex for 2022 -	\$ 11,616,500	\$ 5,666,066	
Total Projected NHDES SRF/DWGTf funded PWW QCPAC Capex for 2022 -	\$ 320,000	\$ -	\$ 60,000 for Milford Booster. Milford to pay for this work directly.

Estimated Bond Terms (Bonds to be sold in April 2023) -	30	Years @	6.0% resulting in P&I of	\$ 843,926	\$ 411,634
Estimated SRF Terms -	20	Years @	3.38% resulting in P&I of	\$ 22,272	\$ -
			Total Projected P&I -	<u>\$ 866,198</u>	<u>\$ 411,634</u>

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
2023 New Services (10)	Single Family, Owner Build, New Homes		DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Various	Yes	\$ 27.31	\$ 1,366
2023 Renewed Services (20)	Replacement of Failed Services		DW20-157	26,459	3/2/2021	\$ 110,000	Yes	Various	Yes	\$ 27.31	\$ 3,004
2023 Hydrants (10)	Replacement of non functional hydrants		DW20-157	26,459	3/2/2021	\$ 60,000	Yes	Various	Yes	\$ 27.31	\$ 1,639
2023 Gates (20)	Replacement of Failed Gate Valves		DW20-157	26,459	3/2/2021	\$ 80,000	Yes	Various	Yes	\$ 27.31	\$ 2,185
2023 Radios (250)	New Radios for new customers (250)		DW20-157	26,459	3/2/2021	\$ 25,000	Yes	Various	Yes	\$ 27.31	\$ 683
2023 Radios (2800)	Yr 3 of 10 Year Replacment of all PWW Radios installed in 2007 (2800) by contractor		DW20-157	26,459	3/2/2021	\$ 364,000	Yes	Various	Yes	\$ 27.31	\$ 9,941
2023 Meters (Growth) 5/8"-2" - Core & CWS (TBD)	New meters for new customers, including PFOA (250). Replacement of failed meters(250)		DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Various	Yes	\$ 27.31	\$ 1,366
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles		DW20-157	26,459	3/2/2021	\$ 70,000	Yes	Merrimack	No	\$ 22.26	\$ -
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles		DW20-157	26,459	3/2/2021	\$ 70,000	Yes	Merrimack	No	\$ 22.26	\$ -
Replacment 1/2 Ton Pickup	New Full Sized Pickup to Replace existing high mileage/maintenance pickup		DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Merrimack	No	\$ 22.26	\$ -
Replacement Utility Van	New Utility Van to replace existing high mileage/maintenance vehicles		DW20-157	26,459	3/2/2021	\$ 40,000	Yes	Merrimack	No	\$ 22.26	\$ -
Protectus Meter Upgrade	Protectus Meter Upgrade		DW20-157	26,459	3/2/2021	\$ 22,000	Yes	Nashua	Yes	\$ 27.70	\$ 609
Miscellaneous Construction Equipment	Miscellaneous Construction Equipment		DW20-157	26,459	3/2/2021	\$ 40,000	Yes	Merrimack	No	\$ 22.26	\$ -
Replacement Boom Crane Truck	New Boom Crane truck to Replace #19, 2011 Ford F-450, failing hydraulic Crane, body rot & 100K+ miles		DW20-157	26,459	3/2/2021	\$ 150,000	Yes	Merrimack	No	\$ 22.26	\$ -
Replacement Dump Truck	New Dump Truck to replace #10, 2008 Peterbilt 335, 100K+ miles, 9000hrs, body rot & high Maint & repair costs		DW20-157	26,459	3/2/2021	\$ 150,000	Yes	Merrimack	No	\$ 22.26	\$ -
Chataqua Ave	Broad St. to End Replace/Add 780 feet of 1.25"/4"/6" Installed in 1915-1963 with 4"/6" - Paving & Restoration		DW20-157	26,459	3/2/2021	\$ 106,480	Yes	Nashua	Yes	\$ 27.70	\$ 2,949
Niquette Dr.	E. Dunstable to service 12 Niquette Replace/Add 525 feet of 2" installed in 1960 with 4" - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 72,540	Yes	Nashua	Yes	\$ 27.70	\$ 2,009
Pine Hill Ave	Wright Rd. to End Replace/Add 300 feet of 1.25" installed in 1953 with 4" - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 42,592	Yes	Nashua	Yes	\$ 27.70	\$ 1,180
Mt. Pleasant St.	Merrimack St. to Manchester St. Replace/Add 400 feet of 1.5" installed in 1955 with 8" - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 55,902	Yes	Nashua	Yes	\$ 27.70	\$ 1,548
French St.	Merrimack St. to 10 French Replace/Add 340 feet of 2"/6" installed in 1887 & 1926 with 4"/6" - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 47,916	Yes	Nashua	Yes	\$ 27.70	\$ 1,327
Dudley St.	June St. to E. Hobart St. Replace/Add 830 feet of 1.25"/8" CI/AC installed in 1957-1971 with 8" - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 113,135	Yes	Nashua	Yes	\$ 27.70	\$ 3,134
Ledgewood Hills Dr. /Heather	To Intersection Replace/Add 10 feet of Unconnected installed in with 8 - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 3,993	Yes	Nashua	Yes	\$ 27.70	\$ 111
Rita St.	Allds St. to 6 Rita Replace/Add 210 feet of 1.5" CIDL installed in 1956 with 4" - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 30,613	Yes	Nashua	Yes	\$ 27.70	\$ 848
Salem St.	Whitney St. to Summer St. Replace/Add 855 feet of 4"/6" installed in 1888-1927 with 6" - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 116,463	Yes	Nashua	Yes	\$ 27.70	\$ 3,226
Walnut St.	W. Pearl St. to W. Hollis St. Replace/Add 830 feet of 6"/8" installed in 1888-1931 with 12" - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 113,135	Yes	Nashua	Yes	\$ 27.70	\$ 3,134
City Sewer Projects (2022)	Replace CI, AC, and other older main disrupted by sewer construction - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 100,000	Yes	Nashua	Yes	\$ 27.70	\$ 2,770
Coburn Tank Area HP Zone Watermain	Create new HP area with 1600 LF of Water Main and Check Valves		DW20-157	26,459	3/2/2021	\$ 200,000	Yes	Nashua	Yes	\$ 27.70	\$ 5,540
Milford Booster Station	Replace/Relocate Milford Booster Station (Construction)		DW20-157	26,459	3/2/2021	\$ 850,000	No	Milford	No	\$ 25.15	\$ -
City Sewer Projects (2023)	Replace CI, AC, and other older main disrupted by sewer construction		DW20-157	26,459	3/2/2021	\$ 300,000	Yes	Nashua	Yes	\$ 27.70	\$ 8,310
Swan St.	Cote Ave to Easterly Replace/Add 156 feet of 2" installed in 1953		DW20-157	26,459	3/2/2021	\$ 49,000	Yes	Nashua	Yes	\$ 27.70	\$ 1,357
Chapman St.	Cote Ave to End Replace/Add 156 feet of 1.25" installed in 1948 with 4"		DW20-157	26,459	3/2/2021	\$ 49,000	Yes	Nashua	Yes	\$ 27.70	\$ 1,357
Savoy St.	Euclid Ave to existing 8" Replace/Add 142 feet of 1.25" installed in 1947 with 6"		DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Nashua	Yes	\$ 27.70	\$ 1,385
Palm St.	Lovewell St. to Southerly Replace/Add 420 feet of 4" installed in 1890 with 6"		DW20-157	26,459	3/2/2021	\$ 130,000	Yes	Nashua	Yes	\$ 27.70	\$ 3,601
Almont St.	Forest Park Dr. to Fairlane Ave Replace/Add 370 feet of unknown installed in unknown with 8"		DW20-158	26,459	3/2/2021	\$ 120,000	Yes	Nashua	Yes	\$ 27.70	\$ 3,324
D St.	E. Hollis St. to Bridge St. Replace/Add 500 feet of 4" installed in 1898 with 8"		DW20-157	26,459	3/2/2021	\$ 158,000	Yes	Nashua	Yes	\$ 27.70	\$ 4,377
Union St.	Amory St. to Bridge St. Replace/Add 520 feet of 1.25"-4" installed in 1909-1978 with 12"		DW20-157	26,459	3/2/2021	\$ 210,000	Yes	Nashua	Yes	\$ 27.70	\$ 5,817
Cherry St.	McKean St. to Haines St. Replace/Add 340 feet of 4" installed in 1926 with 4" PVC		DW20-157	26,459	3/2/2021	\$ 97,000	Yes	Nashua	Yes	\$ 27.70	\$ 2,687
Snow Station Transmission Main	Add Approximately 1,500LF of 24 inch Snow Station to end of 16 inch cross country		DW20-157	26,459	3/2/2021	\$ 850,000	Yes	Nashua	Yes	\$ 27.70	\$ 23,545
Nashua Water Treatment Facility	New Chemical Storage Building (Design & Permitting)			0.1 DSRR		\$ 300,000	No	Nashua	No	\$ 27.70	\$ -
Snow Station Building Addition	Addition of a third High Lift Pump (Construction)		DW20-157	26,459	3/2/2021	\$ 1,200,000	Yes	Nashua	Yes	\$ 27.70	\$ 33,240
Merrimack River Watershed Council	Grant Match with other Stakeholders \$40k for five years.			0.1 DSRR		\$ 40,000	No	Various	No	\$ 27.31	\$ -
Trimble GPS and Monitoring Equipment	Level Monitors, Pressure Monitors and Flow Monitors		DW20-157	26,459	3/2/2021	\$ 32,000	Yes	Various	No	\$ 27.31	\$ -
Investment in Developer Services	1x Annual Rvenue		DW20-157	26,459	3/2/2021	\$ 100,000	Yes	Various	Yes	\$ 27.31	\$ 2,731
Replace Engineering SUV	Replace vehicle with high mileage.		DW20-157	26,459	3/2/2021	\$ 30,000	Yes	Nashua	No	\$ 27.70	\$ -
Replace Engineering Pickup	Replace vehicle with high mileage.		DW20-157	26,459	3/2/2021	\$ 45,000	Yes	Nashua	No	\$ 27.70	\$ -
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild		DW20-157	26,459	3/2/2021	\$ 40,000	Yes	Various	Yes	\$ 27.31	\$ 1,092
Well Pump replacements	Well Pump replacements		DW20-157	26,459	3/2/2021	\$ 25,000	Yes	Various	Yes	\$ 27.31	\$ 683
Chemical Feed pump replacements	Chemical Feed pump replacements		DW20-157	26,459	3/2/2021	\$ 10,000	Yes	Various	Yes	\$ 27.31	\$ 273
Install/replace treatment systems in small CWS	Install/replace treatment systems in small CWS		DW20-157	26,459	3/2/2021	\$ 20,000	Yes	Various	Yes	\$ 27.31	\$ 546
Misc. Structural Improvements	Misc. Structural Improvements		DW20-157	26,459	3/2/2021	\$ 30,000	Yes	Various	Yes	\$ 27.31	\$ 819
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased		DW20-157	26,459	3/2/2021	\$ 30,000	Yes	Various	Yes	\$ 27.31	\$ 819
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		DW20-157	26,459	3/2/2021	\$ 60,000	Yes	Various	Yes	\$ 27.31	\$ 1,639
Well Rehabilitation	Well Rehabilitation		DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Various	Yes	\$ 27.31	\$ 1,366
WTP Structural/HVAC	WTP Structural/HVAC		DW20-157	26,459	3/2/2021	\$ 20,000	Yes	Nashua	Yes	\$ 27.70	\$ 554
Purchase new lab equipment	Purchase new lab equipment		DW20-157	26,459	3/2/2021	\$ 20,000	Yes	Nashua	No	\$ 27.70	\$ -
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects		DW20-157	26,459	3/2/2021	\$ 10,000	Yes	Various	Yes	\$ 27.31	\$ 273
Replace Vehicle	Replace Vehicle		DW20-157	26,459	3/2/2021	\$ 65,000	Yes	Nashua	No	\$ 27.70	\$ -
Replace Vehicle	Replace Vehicle		DW20-157	26,459	3/2/2021	\$ 40,000	Yes	Nashua	No	\$ 27.70	\$ -
Carbon Filter Media	Carbon Filter Media		DW20-157	26,459	3/2/2021	\$ 500,000	Yes	Nashua	Yes	\$ 27.70	\$ 13,850
New Customer Appointment Scheduling Software(Click Replacement)	New Customer Appointment Scheduling Software(Click Replacement)		DW20-157	26,459	3/2/2021	\$ 240,000	Yes	Nashua	No	\$ 27.70	\$ -
Runrate Business needs	Runrate Business needs		DW20-157	26,459	3/2/2021	\$ 230,000	Yes	Nashua	No	\$ 27.70	\$ -
Miscellaneous Software	Miscellaneous Software		DW20-157	26,459	3/2/2021	\$ 12,000	Yes	Nashua	No	\$ 27.70	\$ -
Miscellaneous Hardware	Miscellaneous Hardware		DW20-157	26,459	3/2/2021	\$ 22,000	Yes	Nashua	No	\$ 27.70	\$ -
Projected short term interest on FALOC	Interest incurred to finance 2022 Capex until permanent financing is achieved	N/A	DW20-157	26,459	3/2/2021	\$ 147,000	Yes	N/A	No	N/A	\$ -
<b>Pennichuck Water Works Projected 2023 Total Capital Expenditure Budget -</b>						<b>\$ 8,514,768</b>		<b>Projected Property Tax Expense associated with</b>		<b>\$ 162,214</b>	

Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Approved Budgeted Amount	QCPAC Eligible?	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense
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Total for 0.1 DSRR 2023 Projects -	\$	340,000									
Total Projected Bond funded PWW QCPAC Capex for 2023 -	\$	7,324,768	minus the cost of the Milford Booster Station of	\$	850,000						
Total Projected NHDES SRF/DWGTF funded PWW QCPAC Capex for 2023 -	\$	-	Milford to pay for and finance the Milford booster station								
Estimated Bond Terms (Bonds to be sold in April 2024) -		30	Years @	6.0%	resulting in P&I of	\$	532,136				

\$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
2024 New Services (10)	Single Family, Owner Build, New Homes		DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Various	Yes	\$ 27.31	\$ 1,366
2024 Renewed Services (20)	Replacement of Failed Services		DW20-157	26,459	3/2/2021	\$ 110,000	Yes	Various	Yes	\$ 27.31	\$ 3,004
2024 Hydrants (10)	Replacement of non functional hydrants		DW20-157	26,459	3/2/2021	\$ 60,000	Yes	Various	Yes	\$ 27.31	\$ 1,639
2024 Gates (20)	Replacement of Failed Gate Valves		DW20-157	26,459	3/2/2021	\$ 80,000	Yes	Various	Yes	\$ 27.31	\$ 2,185
2024 Radios (250)	New Radios for new customers (250)		DW20-157	26,459	3/2/2021	\$ 25,000	Yes	Various	Yes	\$ 27.31	\$ 683
2024 Radios (2800)	Yr 4 of 10 Year Replacment of all PWW Radios installed in 2007 (2800) by contractor		DW20-157	26,459	3/2/2021	\$ 364,000	Yes	Various	Yes	\$ 27.31	\$ 9,941
2024 Meters (Growth) 5/8"-2" - Core & CWS (TBD)	New meters for new customers, including PFOA (250). Replacement of failed meters(250)		DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Various	Yes	\$ 27.31	\$ 1,366
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles		DW20-157	26,459	3/2/2021	\$ 70,000	Yes	Merrimack	No	\$ 22.26	\$ -
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles		DW20-157	26,459	3/2/2021	\$ 70,000	Yes	Merrimack	No	\$ 22.26	\$ -
Replacment 1/2 Ton Pickup	New Full Sized Pickup to Replace existing high mileage/maintenance pickup		DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Merrimack	No	\$ 22.26	\$ -
Replacement Utility Van	New Utility Van to replace existing high mileage/maintenance vehicles		DW20-157	26,459	3/2/2021	\$ 40,000	Yes	Merrimack	No	\$ 22.26	\$ -
Protectus Meter Upgrade	Protectus Meter Upgrade		DW20-157	26,459	3/2/2021	\$ 22,000	Yes	Nashua	Yes	\$ 27.70	\$ 609
Miscellaneous Construction Equipment	Miscellaneous Construction Equipment		DW20-156	26,459	3/2/2021	\$ 40,000	Yes	Merrimack	No	\$ 22.26	\$ -
Replacement Excavator	New Excavator to replace #330, 2015 Volvo EC-55C, 5000+ Hrs, Body Rot, High Maint & Repair Cost		DW20-157	26,459	3/2/2021	\$ 150,000	Yes	Various	No	\$ 23.71	\$ -
Coburn Woods (all side streets) Phase 2	Replace 4200 LF of 2 inch PVC with 4 inch DIPCL.		DW20-157	26,459	3/2/2021	\$ 1,600,000	Yes	Nashua	Yes	\$ 27.70	\$ 44,320
City Sewer Projects (2023)	Replace CI, AC, and other older main distrupted by sewer construction - Paving		DW20-157	26,459	3/2/2021	\$ 100,000	Yes	Nashua	Yes	\$ 27.70	\$ 2,770
Swan St.	Cote Ave to Easterly Replace/Add 156 feet of 2" installed in 1953 - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 23,430	Yes	Nashua	Yes	\$ 27.70	\$ 649
Chapman St.	Cote Ave to End Replace/Add 156 feet of 1.25" installed in 1948 with 4"-Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 23,430	Yes	Nashua	Yes	\$ 27.70	\$ 649
Savoy St.	Euclid Ave to existing 8" Replace/Add 142 feet of 1.25" installed in 1947 with 6" - Paving & Restoration		DW20-157	26,459	3/2/2021	\$ 21,560	Yes	Nashua	Yes	\$ 27.70	\$ 597
Palm St.	Lovewell St. to Southerly Replace/Add 420 feet of 4" installed in 1890 with 6" - Paving & Restoration		DW20-157	26,459	3/2/2021	\$ 58,560	Yes	Nashua	Yes	\$ 27.70	\$ 1,622
Almont St.	Forest Park Dr. to Fairlane Ave Replace/Add 370 feet of unknown installed in unknown with 8"-Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 51,910	Yes	Nashua	Yes	\$ 27.70	\$ 1,438
D St.	E. Hollis St. to Bridge St. Replace/Add 500 feet of 4" installed in 1898 with 8"-Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 69,210	Yes	Nashua	Yes	\$ 27.70	\$ 1,917
Union St.	Amory St. to Bridge St. Replace/Add 520 feet of 1.25"-4" installed in 1909-1978 with 12" - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 71,870	Yes	Nashua	Yes	\$ 27.70	\$ 1,991
Cherry St.	McKean St. to Haines St. Replace/Add 340 feet of 4" installed in 1926 with 4" PVC - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 47,920	Yes	Nashua	Yes	\$ 27.70	\$ 1,327
Union St.	Amory St. to Bridge St. Replace/Add 520 feet of 1.25"-4" installed in 1909-1978 with 12"-Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 71,870	Yes	Nashua	Yes	\$ 27.70	\$ 1,991
Replace Small Dia Water Main (2024)	Replace approx. 9,000 LF ofsmall diameter water main associated with the lead and copper rule and city paving		DW20-157	26,459	3/2/2021	\$ 3,200,000	Yes	Nashua	Yes	\$ 27.70	\$ 88,640
City Sewer Projects (2024)	Replace CI, AC, and other older main distrupted by sewer construction		DW20-157	26,459	3/2/2021	\$ 600,000	Yes	Nashua	Yes	\$ 27.70	\$ 16,620
Nashua Water Treatment Facility	New Chemicall Storage Building (Construction)		SRF		Petition must be filed	\$ 3,000,000	Yes	Nashua	Yes	\$ 27.70	\$ 83,100
Merrimack River Watershed Council	Grant Match with other Stakeholders \$40k for five years.				0.1 DSRR	\$ 40,000	No	Nashua	No	\$ 27.70	\$ -
Trimble GPS and Monitoring Equipment	Level Monitors, Pressure Monitors and Flow Monitors		DW20-157	26,459	3/2/2021	\$ 32,000	Yes	Nashua	Yes	\$ 27.70	\$ 886
Investment in Developer Services	1x Annual Rvenue		DW20-157	26,459	3/2/2021	\$ 110,000	Yes	Nashua	Yes	\$ 27.70	\$ 3,047
Replace Engineering Pickup	Replace vehicle with high mileage.		DW20-156	26,459	3/2/2021	\$ 45,000	Yes	Various	No	\$ 27.31	\$ -
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild		DW20-157	26,459	3/2/2021	\$ 40,000	Yes	Merrimack	Yes	\$ 22.26	\$ 890
Well Pump replacements	Well Pump replacements		DW20-157	26,459	3/2/2021	\$ 15,000	Yes	Various	Yes	\$ 27.31	\$ 410
Chemical Feed pump replacements	Chemical Feed pump replacements		DW20-157	26,459	3/2/2021	\$ 15,000	Yes	Various	Yes	\$ 27.31	\$ 410
rebuild High lift pump, WTP	rebuild High lift pump, WTP		DW20-157	26,459	3/2/2021	\$ 100,000	Yes	Various	Yes	\$ 27.31	\$ 2,731
Install/replace treatment systems in small CWS	Install/replace treatment systems in small CWS		DW20-157	26,459	3/2/2021	\$ 15,000	Yes	Various	Yes	\$ 27.31	\$ 410
Misc. Structural Improvements	Misc. Structural Improvements		DW20-157	26,459	3/2/2021	\$ 20,000	Yes	Various	Yes	\$ 27.31	\$ 546
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased		DW20-157	26,459	3/2/2021	\$ 30,000	Yes	Various	Yes	\$ 27.31	\$ 819
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		DW20-157	26,459	3/2/2021	\$ 60,000	Yes	Nashua	Yes	\$ 27.70	\$ 1,662
Well Rehabilitation	Well Rehabilitation		DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Various	Yes	\$ 27.31	\$ 1,366
WTP Structural/HVAC	WTP Structural/HVAC		DW20-157	26,459	3/2/2021	\$ 30,000	Yes	Various	Yes	\$ 27.31	\$ 819
Purchase new lab equipment	Purchase new lab equipment		DW20-157	26,459	3/2/2021	\$ 20,000	Yes	Various	No	\$ 27.31	\$ -
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects		DW20-157	26,459	3/2/2021	\$ 10,000	Yes	Various	Yes	\$ 27.31	\$ 273
Replace Vehicle	Replace Vehicle		DW20-157	26,459	3/2/2021	\$ 65,000	Yes	Various	No	\$ 27.31	\$ -
Replace Vehicle	Replace Vehicle		DW20-157	26,459	3/2/2021	\$ 40,000	Yes	Nasnua	No	\$ 27.70	\$ -
Runrate Business needs	Runrate Business needs		DW20-157	26,459	3/2/2021	\$ 400,000	Yes	Nashua	No	\$ 27.70	\$ -
Miscellaneous Software	Miscellaneous Software		DW20-157	26,459	3/2/2021	\$ 12,000	Yes	Various	No	\$ 27.31	\$ -
Miscellaneous Hardware	Miscellaneous Hardware		DW20-157	26,459	3/2/2021	\$ 22,000	Yes	Nashua	No	\$ 27.70	\$ -
Projected short term interest on FALOC	Interest incurred to finance 2022 Capex until permanent financing is achieved	N/A	DW20-157	26,459	3/2/2021	\$ 114,000	Yes	N/A	No	N/A	\$ -
<b>Pennichuck Water Works Projected 2020 Total Capital Expenditure Budget -</b>						<b>\$ 11,405,760</b>	<b>Projected Property Tax Expense associated with</b>		<b>\$ 282,692</b>		
<b>Total for 0.1 DSRR 2024 Projects -</b>						<b>\$ 40,000</b>					
<b>Total Projected Bond funded PWW QCPAC Capex for 2024 -</b>						<b>\$ 8,365,760</b>					
<b>Total Projected NHDES SRF/DWGTf funded PWW QCPAC Capex for 2024 -</b>						<b>\$ 3,000,000</b>					
Estimated Bond Terms (Bonds to be sold in April 2025) -		30	Years @	6.0%	resulting in P&I of	\$ 607,763					
Estimated SRF Terms -		20	Years @	3.38%	resulting in P&I of	\$ 208,798					
<b>Total Projected P&amp;I -</b>						<b>\$ 816,561</b>					

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