Pennichuck Water Works, Inc. DW 20-020 Schedule A - Modified Revenue Requirement sought in DW19-084 Computation of QCPAC Surcharge Revised per Staff 3-1 to reflect final Bond TIC 2/9/2020, Revised 5/18/2020, Revised 6/16/2020 per Staff Tech DR's 6/30/2020 Update

	DW19-084 PWW requested Revenues			QCPAC For 2019 Capital Additions pro formas			QCPAC Surcharge for 2019 Capital Additions			QCPAC For 2020 Capital Additions pro formas			-	PAC Surcharge r 2020 Capital Additions	QCPAC For 2021 Capital Additions pro formas		
City Bond Fixed Revenue Requirement (CBFRR)	\$	7,729,032		\$	-		\$	7,729,032		\$	-		\$	7,729,032		\$	-
Operating Expense Revenue Requirement	\$	20,503,558	(1)	\$	416,593	(4)	\$	20,920,151		\$	168,212	(4)	\$	21,088,363	(4)	\$	257,759
Annual Principal and Interest Payments	\$	6,999,023	(2)	\$	867,226	(5)	\$	7,866,249		\$	428,538		\$	8,294,787		\$	659,296
Principal and Interest Coverage Requirement		1.10	(3)					1.10						1.10			
Principal and Interest Revenue Requirement	\$	7,698,925					\$	8,652,874					\$	9,124,266			
Proposed Revenue Requirement w/out special contract revenues	\$	35,325,072	(8)				\$	36,695,614	(8)				\$	37,335,218	(8)		
Current Water Revenues excluding CBFRR	-						\$	28,966,582					\$	29,606,186			
Add: City Bond Fixed Revenue Requirement							\$	7,729,032					\$	7,729,032			
Current Water Revenues with CBFRR							\$	36,695,614					\$	37,335,218			
Percent QCPAC Surcharge (9)								3.88%						1.81%			
Cumulative QCPAC Surcharge (13)								3.88%						5.69%			
Cumulative QCPAC monthly increase in average single family residential bill							\$	2.13					\$	3.13			
Average monthly single family residential bill with QCPAC	\$	55.02					\$ 57.16					\$ 58.15					

Notes:

(1) Operating Expense Revenue requirement is the sum of the Total Operating Expenses, Property Tax Expense, Amortization Expense and Payroll Tax Expenses requested in DW19-084

(2) Annual Principal and interest payments for PWW debt associated with all plant in service as requested in DW19-084

(3) Principal and interest coverage of 1.10 is as approved in DW16-806

(4) QCPAC operating expenses are based on the property taxes for used and useful plant added during the year

(5) Portion of Annual Principal and interest payments for debt associated with plant placed in service between 1/1/2019 and 12/31/2019 based on a 30 year bond with an actual total all in interest rate of 4.261869% (6) QCPAC Principal and Interest expenses are based on 30 5.00% for 2020 through 2022 Capital Expenditures unless funding is via an SRF/DWGTF financing. year bond with interest rate of

(7) QCPAC percent revenue surcharges based on increase in revenues from the revenues requested in DW19-084

(8) Reduction in revenues associated with fixed contracts as follows: Hudson Annual Fixed Chg S 32,800 Milford Annual Fixed Chg \$ 81,000 A-B Annual Fixed Chg \$ 371,430 3.38%

30 year bond with interest rate of (9) QCPAC Principal and Interest expenses for DWGTF financing are based on a

(11) Cumulative surcharge percentage is based on total surcharge revenues collected divided by the revenues requested in DW19-084

(12) Operating expense revenues requested in DW19-084 less total Other Revenues of 420,712 S

(13) QCPAC percent revenue surcharges based on requested revenues being sought in DW19-084

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

for	AC Surcharge 2021 Capital Additions	Capit	AC For 2022 al Additions o formas	QCPAC Surcharge for 2022 Capital Additions					
\$	7,729,032			\$	7,729,032				
\$	21,346,123	Ş	234,350	\$	21,580,472				
\$	8,954,084	Ş	596,310	\$	9,550,394				
	1.10				1.10				
\$	9,849,492			\$	10,505,433				
\$	38,318,203			\$	39,208,494				
\$	30,589,171			\$	31,479,462				
\$	7,729,032			\$	7,729,032				
\$	38,318,203			\$	39,208,494				
	2.78%				2.52%				
	8.47%				10.99%				
\$	4.66			\$	6.28				
\$	59.68			\$	61.31				

that was not requested for recovery in DW19-084

PEU Annual Fixed Chg	121,213
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Pennichuck Water Works, Inc. DW 20-020 2020 QCPAC Filing Revised 3/27/2020 per Staff DR1 Revised 6/16/2020 per Staff Tsch Session DR's

Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	2019 Capex Budget		Eligible for 2020 QCPAC Surcharge		Estimated Project Cost as of 9/30/2019	Estimated Project Cost as of 11/30/2019	Final QCPAC eligible Project Costs as of 12/31/2019	Community	Taxable
New Services (10) Renewed Services (20)	Single Family, Owner Build, New Homes Replacement of failed services	20 workorders 21, 22 & 23 workorders	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018	\$ 46,000 \$ 92,000	\$ 46,000 \$ 92,000	Yes Yes	\$ 46,000 \$ 92,000	\$ 36,000 \$ 96,000	\$ 58,000 \$ \$ 103,000 \$	69,936 101,648	Various Various	Yes Yes
Hydrants (10)	Replacement of non functional hydrants	30 & 31 workorders	DW17-183	26,101	2/2/2018	\$ 50,000	\$ 50,000	Yes	\$ 50,000	-	\$ 42,000 \$	\$ 40,209	Various	Yes
Gates (10) Padice (7750)	Replacement of Failed Gate Valves Replace out of warrantee failed radio meter readers	12 & 13 workorders	DW17-183	26,101 26,101	2/2/2018	\$ 40,000 \$ 275,000	\$ 40,000 \$ 30,000	Yes	\$ 40,000 \$ 30,000	\$ 12,000 \$ 42,500	\$ 12,000 \$ \$ 48,000 \$	\$ 10,573 \$ 48,942	Various	Yes
Radios (2750) Meters (Growth) 5/8"-2" - Core & CWS (480)	Meters (Growth) 5/8"-2" - Core & CWS (480)	54 workorders 50 workorders	DW17-183 DW17-183	26,101	2/2/2018 2/2/2018	\$ 275,000 \$ 48,000	\$ 30,000 \$ 48,000	Yes Yes	\$ 50,000 \$ 48,000	\$ 42,500 \$ 240,000		\$ 46,942 \$ 207,025	Various Various	Yes Yes
Meters 5/8"-6" Lead Meter Exchange - Core & CWS (3000)	Meters 5/8"-6" Lead Meter Exchange - Core & CWS (3000)	50 workorders	DW17-183	26,101	2/2/2018	\$ 300,000	\$ 300,000	Yes	\$ 300,000		\$ 200,000		Various	Yes
Entrance Security Gate & Perimeter Fence Replace 13 yr Vac Trailer - Safety & Maint issue	Entrance Security Gate & Perimeter Fence Replace 13 yr Vac Trailer - Safety & Maint issue	1901598 1917721	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018	\$ 75,000 \$ 100,000	\$ 75,000 \$	Yes Yes	\$ 75,000 \$	\$ 75,000	\$ 75,000 \$ \$ 29,710 \$	66,204 29,710	Merrimack	Yes Yes
Protectus Meter Upgrade	Spitbrook Rd Protectus Meter Upgrade	n/a	DW17-183	26,101	2/2/2018	\$ 21,000	\$ 21,000	Yes	\$ 21,000	\$ 21,000		- <u>-</u>	Nashua	Yes
Pipe Freeze Kits (2)	RoFrost Turbo 2 Electric Pipe Freeze Kts	1915135 1918551	DW17-183 DW17-183	26,101 26,101	2/2/2018	s -	\$ 7,400	Yes	\$ 7,400 \$ 17,500			0,010	Nashua	No
Plate Compactors (4) Network Digital Display for Distribution Department	Replacement of failed compactors unable to obtain repair parts Relocate & network display to Assignment room & new 75" display in Conference Rm	1918551 1917719	0.1 DSRR	20,101	2/2/2018	ş -	\$ 17,500 \$ 2,700	Yes No	\$ 17,500 \$ 2,700		* .0,000 ,	\$ 15,888 \$ 2,597	Nashua Merrimack	No
Poly-Caster Sander	Poly-Caster Sander	1917720	DW17-183	26,101	2/2/2018			Yes		ş -	\$ 7,460 \$	\$ 7,460	Merrimack	No
2018 Dodge Ram 2500 (#313) 2018 Dodge Ram 2500 (#344)	Carryover Costs to 2018 projects not recovered in prior QCPAC Carryover Costs to 2018 projects not recovered in prior QCPAC	1907613 1907612	0.1 DSRR 0.1 DSRR			\$ - e	\$ 1,969 \$ 1.969	No	\$ 1,969 \$ 1,969		ę	5 1,969 5 1,969	Merrimack	No
2018 Dodge Ram 2500 (#314) 2018 Dodge Ram 2500 (#315)	Carryover Costs to 2018 projects not recovered in prior QCPAC	1907612	0.1 DSRR 0.1 DSRR			s -	\$ 2,542	No No	\$ 2,542		ę		Merrimack	No
2018 Dodge Ram Promaster 1500 Cargo Van (#347)	Carryover Costs to 2018 projects not recovered in prior QCPAC	1907987	0.1 DSRR			ş -	\$ 1,060	No	\$ 1,060		\$ 1,060 \$	\$ 1,060	Merrimack	No
2018 Dodge Ram Promaster 1500 Cargo Van (#348) 2018 Dodge Ram Promaster 1500 Cargo Van (#349)	Carryover Costs to 2018 projects not recovered in prior QCPAC Carryover Costs to 2018 projects not recovered in prior QCPAC	1907988 1907989	0.1 DSRR 0.1 DSRR			ş -	\$ 1,060 \$ 1,060	No	\$ 1,060 \$ 1,060	ę .,	.,		Merrimack	No
Meter Data Logging Equipment	Carryover Costs to 2018 projects not recovered in prior QCPAC	1907985	0.1 DSRR			s -	\$ 2,849	No	\$ 2,849		÷ -,000 ,	\$ 2,850	Various	Yes
Gilman Street	Replace 1470 LF of 8 inch CI with 12 inch DIPCL	1607377, 1702856,	DW17-183	26,101	2/2/2018	\$ 550,000	\$ 615,000	Yes	\$ 615,000	\$ 718,063	\$ 661,000	\$ 661,270	Nashua	Yes
Elm Street	Replace 875 LF of 6 inch CI with 12 inch DIPCL	1806433, 1901176 1702871, 1812907, 1901599	DW17-183	26,101	2/2/2018	\$ 559,350	\$ 255,000	Yes	\$ 255,000	\$ 378,600	\$ 378,600 \$	\$ 373,328	Nashua	Yes
Monroe Street	Replace 310 LF of 4 inch CI with 8 inch DIPCL	1702866, 1812908, 1901602	DW17-183	26,101	2/2/2018	\$ 122,270	\$ 120,000	Yes	\$ 120,000	\$ 174,926	\$ 105,000 \$	\$ 97,541	Nashua	Yes
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	ş -	ş -	Yes	\$ -	\$ -	\$ 97,000 \$	\$ 61,918	Nashua	Yes
W.Pearl Street	Replace 340 LF of 8" CIP with 120 LF of 12" DIPCL and 220 LF of 8" DIPCL	1702869, 1812909, 1901603	DW17-183	26,101	2/2/2018	\$ 138,050	\$ 140,000	Yes	\$ 140,000	\$ 224,486	\$ 175,000 \$	\$ 178,120	Nashua	Yes
Harvard Street	Replace 800 LF of 8 inch CI with 8 inch DIPCL Install at the int of W. Hollis St and Panther Dr.	1814742, 1901604 n/a	DW17-183	26,101 26,101	2/2/2018 2/2/2018	\$ 247,500	\$ 249,200	Yes	\$ 249,200	\$ 249,200	\$ 260,000 \$	\$ 259,668	Nashua	Yes
West Hollis Street Check Valve Pit			DW17-183	26,101	2/2/2018	\$ 88,000	ş -	Yes	s -	\$ -	8 -		Nashua	Yes
NWS Improvements - Manchester Street	Add 2700 LF of 24 inch DIPCL on Manchester St.	1806805, 1900422				\$ 660,000	\$ 660,000	Yes	\$ 660,000	\$ 730,000	\$ 650,000 \$	\$ 507,141	Nashua	Yes
NWS Improvements -Route 101A and Route 121 (Amherst)	Add 2200 LF of 12 inch DIPCL to close loop	1806810, 1901607	DWGTF			\$ 550,000	\$ 550,000	Yes	\$ 550,000	\$ 550,000	\$ 694,000 \$	\$ 548,252	Nashua	Yes
NWS Improvements - Tinker Road	Replace 825 LF of 16 inch AC with 825 LF of 24 inch DIPCL	1702835, 1806434, 1900421	Financing	26,197	12/3/2018	\$ 522,500	\$ 522,500	Yes	\$ 522,500	\$ 526,000	\$ 490.000 \$	\$ 369,378	Nashua	Vae
NWS Improvements - Deerwood Drive & Amherst St. Intersection	Replace 1300 LF of 12 inch AC with 1300 LF of 24 inch DIPCL	1806808, 1901609	DW18-133			\$ 467,500	\$ 467,500	Yes	\$ 467,500		\$ 140,000 \$	\$ 158,469	Nashua	Yes
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	\$ 635,800	\$ 655,000	\$ 1,338,000 \$	1,302,871	Nashua	Yes
NWS Improvements Ponemah Rd/Route 101A Loop	Add 2200 LF of 12 inch DIPCL to close two loop major dead ends	1901611				\$ 484,000 Included in NWS	\$ 484,000 Included in NWS	Yes	\$ 484,000	\$ -	\$ - 5	\$-	Nashua	Yes
NWS Improvements - Engineering Design and Inspection City of Nashua Sewer - Chase Street	Engineering and Inspection of NW System watermain improvements Replace 470 LF of 6 inch CIP with 470 LF of 6 inch DIPCL	1829925, 1900484	0.1 DSRR DW17-183	26,101	2/2/2018	Improvemts above \$ 176,000	Improvemts above \$ 190,000	No Yes	\$ - \$ 190,000	\$ - \$ 174,882	\$ - \$ \$ 175,400 \$	\$ 174,347 \$ 175,370	Nashua Nashua	Yes
City of Nashua Sewer - Ash Street	Replace 710 LF of 6 inch CIP with 710 LF of 12 inch DIPCL	1814367, 1915975	DW17-183	26,101	2/2/2018	\$ 242,000	\$ 162,800	Yes	\$ 162,800		\$ 180,000 \$	\$ 156,252	Nashua	Yes
City of Nashua Sewer - Lake Street City of Nashua Paving - Vilna St.	Replace 2950 LF of 6 inch CI with 12 inch DIPCL Replace 15 LF of 1.5 inch steel with 2 inch HDPE for paving program	1814740, 1915976 1915860	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018	\$ 990,000	\$ 1,710,500 \$ 16,750	Yes Yes	\$ 1,890,050 \$ 16,750	1 1.1.1.1.1.1	\$ 1,610,000 \$ \$ 20,566 \$	\$ 1,608,850 \$ 17,400	Nashua	Yes Yes
Interconnection to BWC	Carryover Costs to 2018 projects not recovered in prior QCPAC	1913800	0.1 DSRR	20,101	2/2/2010	ş -	\$ 3,400	No	\$ 3,400	+ -0,000	\$ 3,400 \$	\$ 17,400 \$ -	Nashua	Yes
Woodward Avenue	Carryover Costs to 2018 projects not recovered in prior QCPAC	1910117	0.1 DSRR			ş -	\$ 2,200	No	\$ 2,200		\$ 2,640 \$		Nashua	Yes
Ritter Street Factory Street	Carryover Costs to 2018 projects not recovered in prior QCPAC Carryover Costs to 2018 projects not recovered in prior QCPAC	1910116 1909270	0.1 DSRR 0.1 DSRR			s -	\$ 6,890 \$ 20,209	No No	\$ 6,890 \$ 20,209		\$ 10,000 \$ \$ 20,209 \$	20,209	Nashua Nashua	Yes Yes
Taylor Street	Carryover Costs to 2018 projects not recovered in prior QCPAC	1906988	0.1 DSRR			ş -	\$ 233	No	\$ 233		\$ 233	233	Nashua	Yes
Shakespeare HP System Exp	Carryover Costs to 2018 projects not recovered in prior QCPAC	1901942 1915006	0.1 DSRR 0.1 DSRR		-	\$ - \$ -	\$ 257 \$ 17,900	No	\$ 257 \$ 17,900		\$ 257 \$ \$ 18,261 \$	\$ 257	Nashua	Yes
City of Nashua Paving - Mill St.	Abandon 1.5" Steel water main and switch customers over to parallel 8" water main				. /. /	3 -	· · · · · · · · · · · · · · · · · · ·	- 10				\$ 17,321	Nashua	No
City of Nashua Paving - Ferryalls Ct	Replace 35 ft of 1" copper water main crossing Canal St with a 4" DIPCL Water Main	1908316	DW17-183	26,101	2/2/2018	3 -	\$ 58,580	Yes	\$ 58,580	\$ 58,580	\$ 58,580 \$	\$ 51,988	Nashua	Yes
City of Nashua Paving - Salvail Ct City of Nashua Paving - Nutt St - Final Paving and restoration	Replace 1.5" Steel water main and install a 4" DIPCL Water Main (contaminated area) Pavement restoration and final landscaping	1908317 1702842, 1907682	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018	\$ - \$ -	\$ 95,000 \$ 13,000	Yes	\$ 95,000 \$ 13,000	÷	ę , 19000 ,		Nashua Nashua	Yes
City of Nashua Paving - Nutt St - Final Paving and restoration City of Nashua Paving - Cheshire St - Final Cleanup	Favement restoration and mai landscaping Fence repair and site clean up	1908353	DW17-183 DW17-183	26,101	2/2/2018	ş -	\$ 1,400	Yes	\$ 1,400				Nashua	Yes
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	\$ 215,100			\$ 174,754	Nashua	Yes
City of Nashua Paving - Main St.	Main St final paving at intersection with Factory St. Carry over from 2018	1900348, 1915859 1702875, 1915858	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018	ş -	\$ 24,500 \$ 24.850	Yes	\$ 24,500 \$ 24,850			\$ 1,402 \$ 18,316	Nashua	Yes
City of Nashua Paving - Lemon St - Carry over from 2017 City of Nashua Paving - Lowell St - Carry over from 2017	Paving only - Carry over from 2017 Paving only - Carry over from 2017	1915857	DW17-183 DW17-183	26,101	2/2/2018	s -	\$ 24,850 \$ 37,000	Yes Yes	\$ 24,850 \$ 37,000			5 18,510 5 37,084	Nashua Nashua	Yes Yes
City of Nashua Paving - Green St - Carry over from 2017	Paving only - Carry over from 2017	1915844	DW17-183	26,101	2/2/2018	ş -	\$ 10,000	Yes	\$ 10,000	÷,	\$ 9,500 \$	\$ 8,906	Nashua	Yes
City of Nashua Paving - Beard St - Carry over from 2017 City of Nashua Paving - Terrace St - Carry over from 2017	Paving only - Carry over from 2017 Paving only - Carry over from 2018	1915845	DW17-183 DW17-183	26,101	2/2/2018 2/2/2018	\$ - \$	\$ 25,900 \$ 20,500	Yes	\$ 25,900 \$ 20,500	1	\$ 23,000 \$ \$ 12,000 \$	\$ 21,689 \$ 10,600	Nashua	Yes
City of Nashua Paving - Terrace St - Carry over from 2017 City of Nashua Paving - Warren St - Carry over from 2017	Paving only - Carry over from 2018 Paving only - Carry over from 2017	1915843 1702870, 1915842	DW17-183 DW17-183	26,101 26,101		\$ -	\$ 20,500 \$ 19,500	Yes Yes	\$ 20,500 \$ 19,500		<i></i>		Nashua Nashua	Yes Yes
Merrimack River Intake	Year Round Raw Water Intake from Merrimack River	1502180, 1601369, 1701489, 1807360, 1901612, 1908505	DWGTF Financing DW19-026	26,247	5/3/2019	\$ 5,500,000	\$ 6,600,000	Yes	\$ 6,600,000	\$ 6,600,000	\$ 6,300,000	\$ 6,299,764	Merrimack	Yes
Asset Management Outside GIS Consulting Services	Outside GIS Consulting Services	1900414	DW17-183	26,101	2/2/2018	\$ 60,000			\$ 60,000				Various	No
Asset Management Water Modeling Consulting	Water Modeling Consulting	1900414	DW17-183 DW17-183	26,101	2/2/2018	\$ 36,000	\$ 36,000	100	\$ 36,000 \$ 14,000		\$ 20,000 \$	ş -	Various	No
Asset Management Trimble R2 Units WAM/Synergen Upgrade Cost & Functionality Study	Trimble R2 Units WAM/Synergen Upgrade Cost & Functionality Study	1900414 1900568, 1910219	DW17-183 0.1 DSRR	26,101	2/2/2018	\$ 14,000 \$ -	\$ 14,000 \$ 45,000	100	\$ 14,000 \$ 45,000		\$ - \$ \$ 45,000	5 - 5 27,804	Various Various	Yes No
Investment in developer installed services at 1xannual revenue	Per tariff	n/a	DW17-183	26,101	2/2/2018	\$ 60,000	\$ 60,000	Yes	\$ 60,000	\$ 85,000	\$ 85,000 \$	\$ 90,434	Various	Yes
2019 Ford Escape	Replace Totaled 2015 Ford Escape Bower Dam reconstruction and engineering	1907481 1824545, 1900432	DW17-183 0.1 DSRR	26,101	2/2/2018	\$ - \$ 25,000	\$ 23,998 \$ 25,000	105	\$ 23,998 \$ 25,000				Merrimack	No No
Bower Dam reconstruction and engineering Bowers Dam Letter of Deficiency design/analysis	Bower Dam reconstruction and engineering perform Hydraulic and Hydrology analysis, design improvements to address spillway capacity	1901734, 1907078	0.1 DSRR			\$ 25,000	\$ 25,000 \$ 35,000	No	\$ 25,000 \$ 35,000	\$ 25,000 \$ 35,000	\$ 25,000 \$ \$ 35,000 \$	s -	Merrimack	No
Harris Dam Letter of Deficiency design/analysis	perform Hydraulic and Hydrology analysis, design improvements to address spillway capacity	1907076	0.1 DSRR				\$ 40,000	No	\$ 40,000	\$ 40,000	\$ 40,000 \$	ş -	Merrimack	No
Supply Pond Letter of Defiance design/analysis	perform Hydraulic and Hydrology analysis, design improvements to address spillway capacity	1907077	0.1 DSRR				\$ 35,000	No	\$ 35,000	\$ 35,000	\$ 35,000 \$	ş -	Merrimack	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	\$ 15,445	\$ 15,445	\$ 16,995 \$	\$ 11,260	Various	Yes
Booster Pump replacement/rebuild	WTP Rebuild pump end, Intermediate Pump #3	1914986	DW17-183	26,101	2/2/2018		\$ 24,555	Yes	\$ 24,555					Yes
Well Pump replacements	Well Pump replacements	60, 61, 62 & 63 workorders 60, 61, 62 & 63	DW17-183	26,101	2/2/2018	\$ 15,000	\$ 15,000	Yes	\$ 15,000	\$ 15,000	\$ 11,000 \$	\$ 16,995	Various	Yes
Chemical Feed pump replacements	Chemical Feed pump replacements	workorders	DW17-183	26,101	2/2/2018	\$ 10,000	\$ 10,000	Yes	\$ 10,000	\$ 10,000	\$ 2,000 \$	ş <u>-</u>	Various	Yes
Upgrade SCADA historian software, new hardware Twin Ridge rebuild softener system, install radon treatment	upgrade SCADA historian software, new hardware Twin Ridge rebuild softener system, install radon treatment	n/a 1907731	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018	\$ 150,000 \$ 50,000		Yes Yes	\$ 150,000 \$ 50,000			s - s 11,112	Various Plaistow	Yes Yes
Mise. Structural Improvements	Misc. Structural Improvements	n/a	DW17-183	26,101	2/2/2018	\$ 20,000	\$ 10,700	Yes	\$ 10,700	\$ 10,700	<u>s</u> - s	\$ -	Various	Yes
Misc. Structural Improvements	Replace Fire Alarm System CPU Replace Natural Gas Heater, High Pine Station	1907102, 1910221 1917491	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018	s -	\$ 9,300	Yes	\$ 9,300	\$ 9,300	\$ 9,300 \$ \$ 4,050 \$	\$ 9,251 \$ 4,050	Nashua	Yes
Misc. Structural Improvements	repace isaturai cras ricatei, rigii rifle Station	191/491				1		1 05			4,050	e 4,050	Nashua	Yes
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased	n/a	DW17-183	26,101	2/2/2018	\$ 17,500	\$ 9,928	Yes	\$ 9,928	s -	s - s	ş <u>-</u>	Various	Yes
Miscellaneous Equipment Purchased Miscellaneous Equipment Purchased	Purchase 2 Gas Monitors for WS Confined Space Program Purchase Entry Tripod and Winch for WS Confined Space Program	1907611 1910296	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018	5 - S	\$ 4,568 \$ 3,004	Yes Yes	\$ 4,568 \$ 3,004				Nashua Nashua	Yes Yes
опоссногодо гариритент г изспазен	r accurace randy rupped and which for we confided space riogram	1710220	DW1/-103	20,101	2/ 2/ 2010		¥ 3,004	1 05	¥ 3,004	y 5,004	¥ 3,004 3	r 3,004	1 NASHUA	1 05

			QCPAC Eligible Property Tax Expense	
ıble	Tax I	Rate (1)	(Based on Qrtly Update)	Explanation for Change/Addition/Deletion since Petition Filing
25	\$	27.02	\$ 1,890	12 installed through 12/31.
25	\$ \$	27.02 27.02	\$ 2,747 \$ 1,086	29 installed through 12/31. 7 installed through 12/31.
25 25	s	27.02	\$ 1,086	4 installed through 12/31.
25	ş	27.02	\$ 1,322	Deferred Radio Replacement program (Radios are 12 years old). 495 replaced through 12/31.
28	ş	27.02	\$ 5,594	1732 installed/replaced through 12/31.
25	\$	27.02	\$ -	
25 25	\$ \$	28.86 28.86	\$ 1,911 \$ 857	Then Company was leasing a vac machine for 2019. It was decided to buy out the lease
25	ş	26.23	\$ -	Deferred until 2020
0	\$	26.23	ş -	Existing Freeze kits have failed and not repairable 15+ years old
0	ş	26.23	ş -	Existing units have failed and parts for repair are not available.
0	\$ \$	28.86 28.86	\$ - \$ -	Existing steel sander rusted through and was replaced with new sander
0	ş	28.86	ş -	
0	\$	28.86	ş -	
0	\$	28.86	ş -	
0	\$ \$	28.86 28.86	\$ - \$ -	
0	s	28.86	\$ -	
25	S	27.02	\$ 77	Equipment used in leak detection
25	\$	26.23	\$ 17,345	Pavement contribution to the City of Nashua paid in 2018 (\$127,264)
:5	s	26.23		Pavement contribution to City of Nashua of \$67,650 included
:5	s	26.23	\$ 9,792	Pavement contribution to City of Nashua of \$18,000 included
~	¥	20.23	\$ 2,558	
'S	\$	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.
es.	s	26.23		Pavement contribution to City of Nashua of \$27,200 included
	s	26.23	\$ 4,672 \$ 6,811	Pavement contribution to City of Nashua of \$28,000 included.
25 25	5	26.23	\$ 6,811 \$ -	Pavement contribution to City of Nashua of \$38,000 included. Deferred to future year to accommodate additional water main projects
				Added security fence replacement (1,700 LF) along Manchester Street - some work will carry over into
es	\$	26.23	\$ 13,302	2020 included
25	ş	26.23	\$ 14,381	Adjusted cost based on final installed materials in 2020 - some work will carry over into 2020
	\$	26.23	\$ 9,689	Adjusted cost based on final installed materials in 2020 - some work will carry over into 2021
:s :s	s	26.23	\$ 4,157	Adjusted cost based on final installed materials in 2020 - some work will carry over into 2021 Adjusted cost based on final installed materials in 2020 - some work will carry over into 2022
s	Ş	26.23	\$ 34,174	Adjusted cost based on final installed materials in 2020 - some work will carry over into 2023
25	ş	26.23	ş -	Project cancelled and replaced with piping in projects above
25	\$	26.23	\$ 4,573	
es	s	26.23	\$ 4,600	Project Complete
25	\$	26.23		Pavement contribution to City of Nashua of \$20,832 included
25	\$	26.23	\$ 42,200	Pavement contribution to City of Nashua of \$344,000 included
25	s s	26.23 26.23	\$ 456	
-5	\$	26.23	\$ - \$ -	Carry over costs from project completed in 2018, pay for with 0.1 DSRR Carry over costs from project completed in 2018, pay for with 0.1 DSRR
25	\$	26.23	\$ -	Carry over costs from project completed in 2018, pay for with 0.1 DSRR
25	\$	26.23	\$ 530	
25	s s	26.23 26.23	\$ 6	
:s 0	\$	26.23	\$ 7 \$ -	Carry over costs from project completed in 2018, pay for with 0.1 DSRR Includes final paving - complete Charged to Cost of Removal, Pay for with 0.1 DSRR
			Ŷ	Ferryalls was replaced last year to the limit of Canal St - complete this is phase 2 extending into Canal St -
28	\$	26.23	\$ 1,364	complete
25	S c	26.23	\$ 2,079	
:S	s s	26.23 26.23	\$ 172 \$ 13	
25 25	s	26.23	\$ 4,584	
28	\$	26.23	\$ 37	Final paving bill for this project.
es	ş	26.23		Final paving bill for this project.
25 25	\$ \$	26.23 26.23	\$ 973 \$ 234	Final paving bill for this project. Final paving bill for this project.
25	\$	26.23		Final paving bill for this project.
es	Ş	26.23	\$ 278	Final paving bill for this project.
25	\$	26.23	\$ 440	Final paving bill for this project.
:S	Ş	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.
0	ş	27.02	ş -	
0 :s	\$	27.02	\$ -	
:s	\$ \$	27.02 27.02	<u>s</u> -	Study to select replacement of Synergyn CMMS system which goes unsupported at the end of 2020.
0 25	ş	27.02	\$ 2,444	/
0	ş	28.86	ş -	Vehicle in accident. Vehicle totaled and needed to be replaced.
0	ş	28.86	Ş -	Design Engineering Work for 2020 Dam rehabilitation
0	ş	28.86	ş -	Letter of deficiency issued by the NHDES Dam Bureau regarding inadequate spillway capacity for this dam
0	ş	28.86	\$-	Letter of deficiency issued by the NHDES Dam Bureau regarding inadequate spillway capacity for this dam
0	\$	28.86	ş -	Letter of deficiency issued by the NHDES Dam Bureau regarding inadequate spillway capacity for this dam
es.	ş	27.02	\$ 304	0 pumps replaced, 5 rebuilds through 12/31/2019
25	\$	26.23	\$ 644	Pump Bearings failed on Intermediate Booster Pump at WIP
:5	ş	27.02	\$ 459	4 replaced through 12/31/2019
25 25	\$	27.02	ş -	No replacements occurred during 2019.
25 25	\$ \$	27.02 25.93		Scope of project was more clearly defined resulting in a reduction in cost. Project scope was limited to MTM media replacement
-3 25	\$		\$ -	Reduced by replacement of failed Fire Alarm CPU
28	\$	26.23	\$ 243	Fire Alarm CPU failed due to electrical surge.
25	\$	26.23	\$ 106	Failed heater. Part of run rate Misc Structural Improvements

27.02

26.23

120 Routine Miscellaneous Equipment purchase utine Miscellaneous Equipment purchas

		10152/2	TOWAR ACT	26 101	2/2/2010			X.		, , I	· · · · · · · ·	1.110			04.05		
Miscellaneous Equipment Purchased	Replace Chlorine Analyzer, Twin Ridge	1915362	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018	\$ - \$ \$ 30.000 \$	-	Yes	\$ - \$ \$ 30.000 \$	4,449		4,449 Nashu		-	26.23	s 117	7 Routine Miscellaneous Equipment purchase
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	n/a	B 417 105	, .	1 7	9 50,000 P	30,000	Yes	\$ 30,000 \$	27,800		- Variou	100	Ŷ	27.02	<u>s</u> -	
Miscellaneous SCADA/Electrical	Replace VFD, Pump #1 Bowers Landing	1916547	DW17-183	26,101	2/2/2018			Yes	s - s	2,200		2,118 Variou			27.02	\$ 51	7
WTP Structural/HVAC	WTP Structural/HVAC	n/a	DW17-183	26,101	2/2/2018	\$ 10,000 \$	10,000	Yes	\$ 10,000 \$	10,000		- Nashu			26.23	ş -	
WTP Structural/HVAC	Replace Heat Exchanger, WTP Office	1917470	DW17-183	26,101	2/2/2018	s - s	-	Yes	ş - ş	-		8,328 Nashu			26.23	\$ 218	8 WTP Structural/HVAC project
Purchase new lab equipment	Purchase new lab equipment	n/a	DW17-183	26,101	2/2/2018	\$ 20,000 \$		Yes	\$ 18,500 \$	18,500		- Nashu		-	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	s - s	1,500	Yes	\$ 1,500 \$	1,500		1,435 Nashu			26.23	\$ 38	3
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	DW17-183	26,101	2/2/2018	\$ 10,000 \$	10,000	Yes	\$ 10,000 \$	3,256		- Variou		-	27.02	\$ -	
Miscellaneous Fencing and Security projects	WTP Perimeter Fence Carryover	1901608	DW17-183	26,101	2/2/2018	\$ - \$	-	Yes	s - s	6,744		6,744 Variou			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	s - s	-	\$ 32,400 \$	28,897 Nashu		-	26.23	ş -	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	ş - ş	-	Yes	ş - ş	-	\$ 1,713 \$	1,713 Nashu	Yes	\$	26.23	\$ 45	5 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	\$ 1,525,000 \$	975,000	\$ 975,000 \$	990,662 Nashu	Yes	s	26.23	\$ 25,985	New PFAS regulations require that all filter media be changed out to enure compliance with the new PFO. 5 standard which is slated to go into effect on October 1, 2019. Filter media replacement being staged over te 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	ş - ş	-	ş - ş	- Nashu	Yes	\$	26.23	ş -	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	ş - ş	-	Yes	\$	15,995	\$ 15,995 \$	15,995 Nashu	Yes	\$	26.23	\$ 420	
	Replace 20 year old package booster station pumps and piping. Piping is steel which is beginning			26,101	2/2/2018												
Replace Kessler Farm booster pump package	to pit	n/a	DW17-183	20,101	2/2/2018	\$ 75,000 \$	75,000	Yes	\$ 75,000 \$	75,000	s - s	- Nashu	Yes	s	26.23	ş -	Project deferred until 2020
Stump Pond Subwatershed assessment	Stump Pond Subwatershed assessment	n/a	0.1 DSRR			\$ 25,000 \$	25,000	No	\$ 25,000 \$	25,000		 Merrima 			28.86	ş -	Study - Pay for with 0.1 DSRR
Stump Pond Stormwater BMP	Stump Pond Stormwater BMP	1908373	0.1 DSRR			\$ 20,000 \$	20,000	No	\$ 20,000 \$	20,000	\$ 20,000 \$	1,310 Merrima	k No	\$	28.86	ş -	Study - Pay for with 0.1 DSRR
Public Education -Watershed signage	Public Education -Watershed signage	n/a	0.1 DSRR			\$ 20,000 \$	20,000	No	\$ 20,000 \$	20,000		Merrima	k No	\$	28.86	ş -	Study - Pay for with 0.1 DSRR
Replace 2 Hach Turbidimeters and associated control module	Replace 2 Hach Turbidimeters and associated control module	1901618	DW17-183	26,101	2/2/2018	\$ 10,000 \$	10,000	Yes	\$ 10,000 \$	8,000		7,978 Nashu	Yes	\$	26.23	\$ 209	
Camera System Upgrade	Carryover Costs from 2018 Project	1819073, 1900413	0.1 DSRR			ş - ş	7,500	No	\$ 7,500 \$	7,500		9,756 Nashu			26.23	\$ 250	5 Carry over costs from project completed in 2018, pay for with 0.1 DSRR
Dredging Feasibility Study	Carryover Costs from 2018 study	1807145, 1901939	0.1 DSRR			ş - ş	24,600	No	\$ 24,600 \$	24,600		39,520 Merrima	k No	\$	28.86	ş -	Study - Pay for with 0.1 DSRR
Source Water Protection Study	Carryover Costs from 2018 study	1901740	0.1 DSRR			ş - ş	12,000	No	\$ 12,000 \$	12,000		11,000 Merrima			28.86	ş -	Study - Pay for with 0.1 DSRR
Aquatic Vegetation Assessment	Carryover Costs from 2018 study	1807147, 1906080	0.1 DSRR			ş - ş	4,200	No	\$ 4,200 \$	4,200	\$ 4,200 \$	9,545 Merrima	k No	\$	28.86	ş -	Study - Pay for with 0.1 DSRR
Fiber Conduit between WTP and Dist	Install Fiber Conduit between Water Treatment Plant and Distribution to eliminate ongoing	1901619	DW17-183	26,101	2/2/2018	\$ 40,000 \$	40,000	Yes	\$ 40,000 \$	36,000	\$ 24,985 \$	22,896 Nashu	Yes	e	26.23		
Fiber Conduit between w FF and Dist	Comcast Ethernet line to one of the buildings	1901019	Dw1/-185	20,101	2/2/2018	ş 40,000 ş	40,000	1 cs	a 40,000 a	30,000	a 24,765 a	22,690 INashu	165	ş	20.23	\$ 601	1
Munis FER Enhancements	Munis FER Enhancements	n/a	DW17-183	26,101	2/2/2018	\$ 35,000 \$	35,000	Yes	\$ 35,000 \$	35,000	ş - ş	 Merrima 	k No	\$	28.86	ş -	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	s - s	-	s - s	 Merrima 	k No	\$	28.86	ş -	Monies moved to Veeam Backup Project
KVM for Data Center	Keyboard Video Mouse for Data Center so that multiple servers can be accessed by one console without having to move the Monitor/Keyboards/ Mouse connections each time.	n/a	DW17-183	26,101	2/2/2018	\$ 2,500 \$	-	Yes	s - s	-	s - s	- Merrima	k No	s	28.86	s -	
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	s - s	-	s - s	- Merrima	k No	s	28.86	s -	
Digital Signage for Distribution	Digital Signage for Distribution allowing notices and schedules to be more prominently displayed	1908376	0.1 DSRR	26,101	2/2/2018	\$ 2,000 \$	1,270	No	\$ 1,270 \$	1,270	\$ 1,270 \$	- Merrima	k No	•	28.86	e	
	A pilot to determine whether a Virtual Desktop Infrastructure would be feasible for our													3	20.00	ə -	
VDI Pilot	environment	p/a	DW17-183	26,101	2/2/2018	s 12.000 s		Ves	e e		e e	Marrim	l. N.		28.86	e	
Mise Hardware	Mise Hardware	n/a	DW17-183	26 101	2/2/2018	ų 12,000 ų	20.000	Yes	\$ 20.000 \$	16 153	s 16153 s	- Merrima	-K 110	e e	28.86	3 - e	
Misc Hardware	Must Hardware Mount in Vehicles	n/a 1908308	0.1 DSRR	20,101	2/2/2010	9 20,000 3 e	20,000	1 es	e 20,000 \$	1 397	ų 10,155 ų	1 248 Merrima			28.86		
Misc Hardware	2 iPad Pros for IS Testing	1908308	0.1 DSRR	1	1	3	-	No	3 e	2,450		2 298 Merrima			28.86		
Misc Fiardware Misc Software	2 IPad Pros for IS Testing Misc Software	1908309	DW17-183	26 101	2/2/2018	\$ 12.000 \$	12 000	Ves	\$ 12,000 \$	2,450		2,298 Merrima		ę	28.86		
Website upgrades	Website upgrades	n/a	DW17-183	26,101	2/2/2018	ų 12,000 ų	8,000	Yes	\$ 8,000 \$	8.000		- Merrima		-	28.86		
		11/ a	DW17-183	26,101	2/2/2018		0,000	Yes	\$ 25.550 \$	0,000	ç <u>0,000 ş</u>	- Merrima			28.86		Deferred
Implement Customer Balances over the phone	Implement Customer Balances over the phone	n/a						1.03	- 20,000 à	-		- Mettilli		9	20.00		areas and a second s
Implement Customer Balances over the phone	Implement Customer Balances over the phone	n/a															
Click Resource Assistant	Allow for the moving of customer Appointment from an generic resource to a named resource.	1907952	0.1 DSRR		- /- /	\$ - s	22,828	No	\$ 22,828 \$	22,828		22,828 Merrima		\$	28.86	ş -	
P · · · · · · · · · · · · · · · · · · ·	Allow for the moving of customer Appointment from an generic resource to a named resource. Purchase Server license for Virtual Environment			26,101	2/2/2018	\$ - s	22,828	No Yes	\$ 22,828 \$ \$ - \$	22,828 7,200		22,828 Merrima 7,305 Merrima		s s	28.86 28.86	ş - ş -	Previously licensed software was not suitable for Virtual environment
Click Resource Assistant	Allow for the moving of customer Appointment from an generic resource to a named resource.	1907952	0.1 DSRR	26,101	2/2/2018	\$ - s \$ - s \$ - s	22,828		\$ 22,828 \$ \$ - \$ \$ 25,550 \$	-		,	sk No	s s s	20.00	\$ - \$ - \$ -	Previously licensed software was not suitable for Virtual environment
Click Resource Assistant Database Server License for GIS and other Apps Veeam Backup Software	Allow for the moving of customer Appointment from an generic resource to a named resource. Purchase Server license for Virtual Environment	1907952 1915920	0.1 DSRR DW17-183	26,101	2/2/2018	\$ - s \$ - s \$ - s	22,828 - 25,550	Yes	Ş - Ş	7,200	\$ 7,200 \$	7,305 Merrima	:k No :k No	ş	28.86	ş -	
Click Resource Assistant Database Server License for GIS and other Apps Veeam Backup Software New RCO Manager Computer	Allow for the moving of customer Appointment from an generic resource to a named resource. Purchase Server license for Virtual Environment Replacement of existing backup software due to exorbitant vendor fees to keep original system running. New RCO Manager Computer	1907952 1915920 1909216 1917001	0.1 DSRR DW17-183 0.1 DSRR 0.1 DSRR	26,101		\$ - <u>s</u> \$ - <u>s</u> \$ - <u>s</u> \$ - <u>s</u> s - <u>s</u>	22,828 - 25,550	Yes No	Ş - Ş	7,200	\$ 7,200 \$ \$ 25,500 \$ \$ 2,800 \$	7,305 Merrima 15,530 Merrima 1,797 Merrima	ck No ck No	s	28.86 28.86 28.86	ş -	Replace failed desktop computer
Click Resource Assistant Database Server License for GIS and other Apps Veeam Backup Software New RCO Manager Computer Kessler Farm Tank Design	Allow for the moving of customer Appointment from an generic resource to a named resource. Purchase Server license for Virtual Environment Replacement of existing backup software due to exorbitant vendor fees to keep original system running. New RCO Manager Computer Kessler Farm Tank Design	1907952 1915920 1909216	0.1 DSRR DW17-183 0.1 DSRR 0.1 DSRR 0.1 DSRR	26,101	2/2/2018	\$ - s \$ - s \$ - s \$ - s \$ - s \$ - s	22,828	Yes No No No	Ş - Ş	7,200 25,500	\$ 7,200 \$ \$ 25,500 \$ \$ 2,800 \$ \$ 50,000 \$	7,305 Merrima 15,530 Merrima 1,797 Merrima 36,355 Nashu	ck No ck No ck No No	s s s	28.86 28.86 28.86 26.23	\$ - <u>\$ -</u> \$ -	Replace failed desktop computer Engineering for tank to be constructed in 2020.
Click Resource Assistant Database Server License for GIS and other Apps Vecam Backup Software New RCO Manager Computer Kessler Farm Tank Design Retainage	Allow for the moving of customer Appointment from an generic resource to a named resource. Purchase Server license for Virtual Environment Replacement of existing backup software due to exorbitant vendor fees to keep original system running. New RCO Manager Computer Kessler Farm Tank Design Payment of Retainage for projects that were used and useful in 2018.	1907952 1915920 1909216 1917001	0.1 DSRR DW17-183 0.1 DSRR 0.1 DSRR 0.1 DSRR 0.1 DSRR DW17-183	26,101 26,101	2/2/2018 2/2/2018	\$ - s \$ - s	22,828	Yes No No Yes	Ş - Ş	7,200	\$ 7,200 \$ \$ 25,500 \$ \$ 2,800 \$ \$ 50,000 \$	7,305 Merrima 15,530 Merrima 1,797 Merrima 36,355 Nashu 33,586 Merrima	ck No ck No ck No ck No	\$ \$ \$ \$	28.86 28.86 28.86	\$ - <u>\$ -</u> \$ -	Replace failed desktop computer
Click Resource Assistant Database Server License for GIS and other Apps Veeam Backup Software New RCO Manager Computer Kessler Farm Tank Design Retainage Short term interest on the PWW Fixed Asset Line of Credit	Allow for the moving of customer Appointment from an generic resource to a named resource. Purchase Server license for Virtual Environment Replacement of existing backup software due to exorbitant vendor fees to keep original system running. New RCO Manager Computer Kessler Farm Tank Design Pavment of Retainage for projects that were used and useful in 2018. Capitalized interest incurred on FALOC draws to fund 2019 Capex from 1/1/2019 thru 4/2/2020	1907952 1915920 1909216 1917001 1915117	0.1 DSRR DW17-183 0.1 DSRR 0.1 DSRR 0.1 DSRR 0.1 DSRR DW17-183 DW17-183	26,101 26,101 26,101	2/2/2018 2/2/2018 2/2/2018	\$ - s \$	22,828 - 25,550 - -	Yes No No Yes Yes	Ş - Ş	7,200 25,500 - 148,006 -	\$ 7,200 \$ \$ 25,500 \$ \$ 2,800 \$ \$ 50,000 \$ \$ 174,418 \$ \$ - \$	7,305 Merrima 15,530 Merrima 1,797 Merrima 36,355 Nashu 33,586 Merrima 230,645 Variou	ck No ck No ck No ck No ck No	\$ \$ \$ \$	28.86 28.86 28.86 26.23 28.86	\$ - <u>\$ -</u> \$ -	Replace failed desktop computer Engineering for tank to be constructed in 2020.
Click Resource Assistant Database Server License for GIS and other Apps Vecam Backup Software New RCO Manager Computer Kessler Farm Tank Design Retainage	Allow for the moving of customer Appointment from an generic resource to a named resource. Purchase Server license for Virtual Environment Replacement of existing backup software due to exorbitant vendor fees to keep original system running. New RCO Manager Computer Kessler Farm Tank Design Payment of Retainage for projects that were used and useful in 2018.	1907952 1915920 1909216 1917001	0.1 DSRR DW17-183 0.1 DSRR 0.1 DSRR 0.1 DSRR 0.1 DSRR DW17-183	26,101 26,101	2/2/2018 2/2/2018	\$ - s \$	22,828 - - - - - - - - -	Yes No No Yes	Ş - Ş	7,200 25,500	\$ 7,200 \$ \$ 25,500 \$ \$ 2,800 \$ \$ 50,000 \$ \$ 174,418 \$ \$ - \$	7,305 Merrima 15,530 Merrima 1,797 Merrima 36,355 Nashu 33,586 Merrima	ck No ck No ck No ck No ck No ck No ck No	\$ \$ \$ \$ \$ \$	28.86 28.86 28.86 26.23	\$ <u>-</u> \$ <u>-</u> \$ <u>-</u> \$ <u>-</u> \$ <u>-</u> \$ <u>-</u>	Replace failed desktop computer Engineering for tank to be constructed in 2020.

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

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

 11/30/2019
 12/31/2019

 469,651
 \$ 427,640

 The 12/31/2019 0.1 DSRR amount has been increased by to reflect the Staff DR21 response indicating that
 \$ 21,175

 of the project costs being funded with DWGTF is being funded with 0.1 DSRR monies.

					Board Approved 2020 Capex	Estimated F	ject Estimated Proje Cost as of	ct Estimated Project Cost as of	Final Project cost				QCPAC Eligible Property Tax	
Project Name/Description ew Services (10)	Project Description Single Family, Owner Build, New Homes	Work Order # 20 workorders	Financing Docket No. NHPUC Order No.	Date of NHPUC Order	Budget QCPAC	Eligible? 6/30/20	9/30/2020			Community 'I Various	axable T	Fax Rate (1)	Expense Explanation for Change/Addition/Deletion since 2/9/2020 676 No new service to year to date. Projecting 5 new services by year end.	ļ
served services (20) event Services (20) innts (10)	Single Family, Counter Build, New Homes Reelacement of fields services Replacement of non functional hydrants (Run rate) (8 YTD)	workorders workorders	Future Financing Petition Future Financing Petition Future Financing Petition	1	\$ 110,000 \ \$ 60,000 \ \$	(cs \$ ((cs \$ 4	100			Various Various	Yes S	s 27.02 s	 Ison new service to veter to care. Projecting 5 new services of veter end. 1,621. 7. Renewal Services Instilled through 06/30/2020. Projecting 10 more replacements by 1,189. 2. Hydrants Repaired/Replaced through 06/30/2020. Projecting 5 more replacements by 	
4.00	Revlacement of Failed Gate Valves	12 & 13 workorders	Future Financing Petition		\$ 40,000 Y	S 4				Various	Yes	\$ 27.02	5 Gates Repaired/Replaced through 06/30/2020. Projecting 5 more replacement by en	d of year.
os (560) rs (Growth) 5/8"-2" - Core & CWS (280)	Replacement of out of Warrantee Failed Radios (280). New Meters for new Meters (Growth) 5/8"-2" - Core & CWS (280)	54 workorders 50 workorders	Future Financing Petition Future Financing Petition	9	\$ 58,000	(cs \$ 4 (cs \$ 5	100 500			Various	Yes S Yes S	\$ 27.02 \$ \$ 27.02 \$	 I.081 I.081 188 Radios Installed/Replaced through 06/30/2020. Projecting 200 more replacments I.494 445 Meters Installed/Replaced through 06/30/2020. 	by end of year
ers 5/8"-6" - Replace faled meters - Core & CWS (200) lace Mud sucker pump	Meters 5/8"-6" fuiled meters - Core & CWS (200) Replace 15+ year old diach pump	50 workorders 2005200	Future Financing Petition		\$ 21.000 Y	ícs S ícs S	- 356			Various	Yes \$		Total included in row above 172	
lacement Utility Truck lacement Utility Truck	Revlacement for #47 - 2006 Ford f-350, 130K miles Does not rass inspection Replacement for #76 - 2008 Ford F-350, 150K miles, Does not pass inspection	n/a n/a	Future Financing Petition Future Financing Petition	2	\$ 70,000 ¥ \$ 70,000 ¥	ícs S ícs S	000				No S	\$ 28.86 \$ \$ 28.86 \$		
lacement Utility Truck re Turner & Vac Truck	Replacement for #4-2010 Ford f-350, 140K miles Does not pass inspection Replacement for #60 - 14 Year Vac Trailer w/excessive rot, will not pass inspection	n/a n/a	Future Financing Petition Future Financing Petition	3		íos S T	100			Merrimack Merrimack		\$ 28.86 \$ \$ 28.86 \$	Deferred. Not aviable due to impact of CoVID on manufacturing	
man's Truck ser Room Benches @ Distribution Facility	issues. Permanent Benches for Male & Female locker rooms	2004436 n/a	Future Financing Petition Future Financing Petition	2		(cs \$ 14	200			Merrimack		\$ 28.86 \$	- 216	
ker Room Deep Wash Sinks cc Space for Const & Maint Supervisor	Deep stainless wash sinks to replace existing sinks in male & female locker rooms	n/a	Future Financing Petition Future Financing Petition	3	\$ 7,500 Y \$ 12,000 Y	ícs S	500			Merrimack	Yes S	\$ 28.86 \$ \$ 28.86 \$	216 346	
de Space for Consid & Manit Supervisor discape improvements munite Entrance Gate @ Distribution Facility	Permanent office space for Contraction & Maintenance Supervisor Repair Hill Sides @ 16 DWH and overseed with crosson mix	n/a n/a	Future Financing Petition 0.1 DSRR	1	\$ 12,000 Y	ícs \$ 1	000			Merrimack	Yes \$	\$ 28.86 \$	346	
mine Entrance Cute (d) Distribution Facility Hollis Street Check Valve Pit 5 Immovements - Manchester Street	Reveace manual outs (d) Distribution facility with automatic state Install at the int of W. Hollis St and Panther Dr. Install 1700 LF of 24 inch DI and new Fencine	2000718 n/a 2000383	Future Financing Petition DWGTF	3	\$ 10,000 ? \$ 88,000 Y \$ 125,000 Y	No S 1 (cs S (cs S 14	200			Nashua	Yes S	\$ 28.86 \$ \$ 26.23 \$ \$ 26.23 \$	289 - deforred	
i Improvements - Mastricier Ateet i Improvements - Deerwood Dr. Northwest Blvd Loop i Improvements Veteran's Rd/Route 101A Loop	Add 3400 LF of 29 inch DF ind new Perturbation RR vine inching Add 3400 LF of 20 inch HDPE including RR vine inching Add 2200 LF of 12 inch DIPCL to close two loop major dead ends	2000385 2000386 2000384	DWGIF	5	\$ 40,000 Y		200			Nashua	Yes S Yes S	\$ 26.23 \$	- 556 - 3,279	
improvements Tinker Road Paving and restoration n & Will Street - Paving	NWS Immovements Tinker Road Pavine and restoration Simon & Will Street - Pavine	2000385 2000387	DWGTF Future Financing Petition			ícs S 3				Nashua	Yes S	s 26.23 s s 26.23 s	839 787	
n Street - Final Paving of Nashua Sewer - Lake Street	Garden Street - Final Pavine Replace 2950 LF of 6 inch CI with 12 inch DIPCL (Paving)	2000388 2000378	Future Financing Petition Future Financing Petition	3		ícs S I				Nashua	Yes S	\$ 26.23 \$ \$ 26.23 \$	472 787	
imack River Intake	Year Round Raw Water Intake from Merrimack River Year Round Raw Water Intake from Merrimack River		DWGTF Financing DW19-026 26,247 Future Financing Petition	5/3/2019		(cs \$ 15 (cs \$ 24				Merrimack		\$ 28.86 \$ \$ 28.86 \$	5,544 Amount of MRI raw water intake funds still avialable from DWGTF 7,154 Project cost increased by \$80,000 to develop Source Water Protection plan required by 7	NUTURS
ee Kesler Farm booster pump package	Replace 31 year old package booster station pumps and piping.	2000380	Future Financing Petition	1	\$ 75,000	\$ 17				Nashua	Yes \$	\$ 26.86 3	4.609 Budget to be increased as a portion of site work for the Kessler Farm Tank was	ShDES
and Resilience Assessment and Emergency Response Plan	Complete Risk and Resilience Assessment and Emergency Response Plan as	2002053	Future Financing Petition	1	\$ 120,000	ícs \$ 13	100			Various	No \$	\$ 27.02 \$	transferred to this project	
Management - GIS QA/QC shead of NEW CMMS	required by the USEPA GIS OA/OC Ahead of NEW CMMS	1900414, 2000362	Future Financing Petition	1	\$ 40,000	ícs S 4					Yes S	s 28.86 s	1.154	
k Street	Replace 225 LF of 4 inch and 915 LF of 6 inch CI with 1140 LF of 8 inch DIPCI.	2003423	Future Financing Petition			(cs \$ 2)				Merrimack	Yes S	\$ 28.86 \$	7.908	
ton Street Street	Replace 410 LF of 6 inch CI with 4 inch DIPCL Replace 425 LF of 4 inch CI with 8 inch DIPCL Replace 425 LF of 4 inch CI with 8 inch DIPCL	2003422 2003420	Future Financing Petition Future Financing Petition Eutone Einsteine Petition	1		(cs \$ 0 (cs \$ 5	100			Nashua	Yes \$	\$ 26.23 \$ \$ 26.23 \$	1,652 2,492	
II Street na Street	Replace 125 LF of 4 inch CI with 4 inch DIPCL Replace 675 LF of 6 inch CI with 8 inch DIPCL Replace 675 LF of 6 inch CI with 8 inch DIPCL	n/a n/a	Future Financing Petition Future Financing Petition Future Financing Petition	9		(cs \$ 2 (cs \$ 10				Nashua	Yes \$	\$ 26.23 \$ \$ 26.23 \$	7(8 4,249 4,249	
iota Ave erst Dodge Rd Watermain Abandonment	Replace 250 LF of 6 inch CI with 8 inch DIPCL. Abandon Approx. 700 LF of AC Main Transfer 2 services & 1 Hyd to parallet 8*	n/a 2001229	Future Financing Petition	9	\$ 83,000 Y \$ 20,000 Y	ícs \$ (ícs \$ 7	100			Nashua Amherst		\$ 26.23 \$ \$ 28.85 \$	-	
er Farm Tank Replacement	DIPCL water main Replaced 4 MG painted steel water tank with 4 MG prestressed, precast water tank.	2000379	0.1 DSRR	3		No \$ (100			Nashua	No \$	\$ 26.23 \$	- Design only. Construction deferred until 2021	
ce Engineering Pickup	Replace Pickup with > 150,000 miles	n/a	Future Financing Petition	1	\$ 35,000 \	ícs \$ 3	100				Yes \$	\$ 28.86 \$	1,010	
tment in developer installed services at Ixannual revenue	Replace SUV with > 150,000 miles Per tariff	n/a n/a	Future Financing Petition Future Financing Petition	3	\$ 30,000 Y \$ 60,000 Y	ics \$ 3 ics \$ 8				Merrimack Various	Yes S	\$ 28.86 \$ \$ 27.02 \$	866 2.270. 71 Developer Installed Services through 06/30/2020. Projecting 80 more by year end	
Management Trimble R2 Units imack River Pumping Station	Add two new GPS units for additional staff Add third 350 horsepower pump and motor with variable frequency drive.	2003535 2003759	Future Financing Petition	1	\$ 24,000 Y \$ 260,000 Y	ícs \$ 3 ícs \$ 36				Merrimack		\$ 28.86 \$ \$ 28.86 \$	10.590 Added Pump Station roof hatches and roofing to facilitate pump replacement in future	
intace River Pumping Station	Add mind 350 non-power pump and motor with variable requertly drive. Replace 250 LF of 4 inch CL and 96 LF of 1 1/4 inch CL with 150 LF of 4" PVC		Future Financing Petition		\$ 200,00 1	s 4					Yes \$		Bid price received for new pump was higher than anticipated 1,172 Added due to Kesler Farm Tank deferral to 2021	
ent 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	Future Financing Petition Future Financing Petition			s	200			Nashua	Yes S	s 26.23 s	210 Added due to Kessler Farm Tank deferral to 2021	
I Street n Street(Lake St Area PH2)	Replace 400 LF of 4 inch CI with 680lf of 6 inch DIPCL (creates a looped system) Replace 180 LF of 2* CL with 4* DIPCL - addition to Lake St Ph 2 project	2003533	Future Financing Petition		\$ - 3	ícs \$ 24 \$ 4	100			Nashua Nashua	Yes \$ Yes \$	\$ 26.23 \$ \$ 26.23 \$	6,400 Added due to Kessler Farm Tank deferral to 2021 1,049 Added due to Kessler Farm Tank deferral to 2021	
itee St (Lake St Area PH2) St (Lake St Area PH2)	Replace 240 LF of 6 inch CI with 8" DIPCL - addition to Lake St Ph 2 project Replace 480 LF of 6 inch CI with 8 and 6 inche DIPCL - added to Lake StPh 2		Future Financing Petition Future Financing Petition			\$ 5 \$ 10				Nashua Nashua	Yes \$	\$ 26.23 \$ \$ 26.23 \$	1,443 Added due to Kessler Farm Tank deferral to 2021 2.675 Added due to Kessler Farm Tank deferral to 2021	
Is Grove Crossing(Lake St Area PHZ)	Cross City park with 16" HDPE direction bore - 890 LF- added to Take St Ph 2		Future Financing Petition Future Financing Petition			s (100					\$ 26.23 \$ \$ 26.23 \$	1,574 Added due to Kessler Farm Tank deferral to 2021 997 Added due to Kessler Farm Tank deferral to 2021	
lls St - complete in 2020 uut St - water main (added to crescent/school st project) uut St (paving contribution)	Emergence water main replacement - 175' of Galy (1921) replaced with 4" PVC raying retained water main replacements - replace 30 or 12. Or and 259' of 8 - Or galaxter = 1 - 12 - 200' (201 pum) Parving Contribution for paving in 2021		Future Financing Petition			5	000			Nashua	Yes \$	\$ 26.23 \$	1,836 Added due to Kessler Farm Tank deferral to 2021	
um Woods (all side streets)	Replace 4400 LF of 2 inch PVC with 4 inch DIPCL	2002685	Future Financing Petition	1		ícs \$ 90				Nashua	Yes \$	\$ 26.23 \$ \$ 26.23 \$	525 Added due to Kessler Farm Tank deferral to 2021 23,607 Added due to Kessler Farm Tank deferral to 2021	
rade SCADA historian software, new hardware at Dam reconstruction and engineering	Unorade SCADA historian software, new hardware Bower Dam reconstruction and engineering	2000376 2000397	Future Financing Petition	-		ícs S (No S				Merrimack	No \$		1.705 Design Engineering Work for 2020 Dam rehabilitation	
ers Dam LOD response engineering is LOD response engineering	Bowers Dam LOD response engineering Harris LOD response engineering	2000373 1907076, 2000375	0.1 DSRR 0.1 DSRR	3		No \$ 1	000	-		shua/Merrimack shua/Merrimack		\$ 27.55 \$ \$ 27.55 \$		
ply Pond LOD response engineering uild Pump 1, Northwest, Nashua	Supply Pond LOD ressonnse envincering final costs for reinstallation and alignment	1907077.2000374	0.1 DSRR Future Financing Petition	.5	\$ 32.000 ?	No S 3	100 457			shua/Merrimack	No S	\$ 27.55 \$ \$ 26.23 \$	- 1,402 Previous Year work was instrumental in the completion of the rebuild of NW Pump #1	
Vehicle for WS electrician	final costs for fit up of new truck purchased in 2019	2000437	Future Financing Petition Future Financing Petition		\$ 3.000	íos S	000			Nashua	No S	\$ 26.23 S		
ter Pump replacement/rebuild Pump replacements	Booster Pamp replacement/rebuild Well Pamp replacements	workorders workorders	Future Financing Petition				100 100			Various	Yes \$	\$ 27.02 \$ \$ 27.02 \$	 1,081 <u>6 Booster Pumps Repaired/Replaced through 06/30/2020.</u> 6 additional rebuilds projec 270 No well pump replacements YTD: Projecting 2 well replacements by end of year. 	
nical Feed pump replacements nical Feed pump replacements	Chemical Feed pump replacements Rebuild Ferric Feed Pumps 2 & 3	workorders 2002269	Future Financing Petition Future Financing Petition	3		ícs \$ ícs \$	757 243					\$ 27.02 \$ \$ 27.02 \$	183 2 Chemical Pumps Repaired/Replaced through 06/30/2020. Projecting two additional 88	chem pump repla
s Dam raise earthen embankment, raise dike wall Structural Improvements	Harris Dam raise earthen embankment, raise dike wall Mise. Structural Improvements	n/a n/a	Future Financing Petition Future Financing Petition	3	\$ 965,000 \	ícs \$	700			shua/Merrimack		\$ 27.55 \$ \$ 27.02 \$	Deferred until 2021 451	
tee Sewage Ejection Pump, Snow Station	Replace Sewage Ejection Pump, Snow Station	2003515	Future Financing Petition Future Financing Petition	3	\$.	s	300 337			Nashua	s	\$ 26.23 \$ \$ 27.02 \$	87 Not included in approved 2020 Budget. 279	
Ilancous Equipment Purchased Ilancous Equipment Purchased	Replace Sewage Ejection Pump, Snow Station New Dram Hand Track	n/a 2003534	Future Financing Petition	3	s 1/300 s	íoi S	400			Various	Yes S	\$ 27.02 \$	38	
Replace Filter-to-Waste Valve diancous Equipment Parchased	WIP Replace Filter-to-Waste Valve Replace Sludge Pump #2, WIP	1918552 2004525	Future Financing Petition Future Financing Petition	1	s . s .)		353 410			Nashua Various	Yes S	\$ 26.23 \$ \$ 27.02 \$	62 This was in 2019 budget, but did not go useful until 2020. 92	
ellaneous SCADA/Electrical ellaneous SCADA/Electrical	Miscellancous SCADA/Electrical Revisare VED, Pump #3 - High Pines Booster	n/a 2003512	Future Financing Petition Future Financing Petition	3			500 500	+		Various	Yes \$	\$ 27.02 \$ \$ 27.02 \$	230 257	
ellancous SCADA/Electrical ellancous SCADA/Electrical	Install cellular SCADA device, HI and LO, Derry	2004180	Future Financing Petition Future Financing Petition	1	ş	ícs \$	500			Various	Yes \$	\$ 27.02 \$ \$ 27.02 \$	68 217	
ild NWS booster pump #1	SCADA control system. Powder Hill, Donald St. Rebuild NWS booster pump #2	2004989 2003436	Future Financing Petition Future Financing Petition	3	\$ 40,000	ícs \$	-			Nashua	Yes \$	\$ 26.23 \$	- Cost of rebuild in row 68	
Structural/HVAC use new lab equipment	WTP Structural/HVAC Parchase new lab equipment	n/a n/a	Future Financing Petition	3	\$ 20,000 \	ícs \$	100			Nashua	Yes \$		262 525	
Rancous Fencing and Security projects ce Vehicle 200	Miscellaneous Fencino and Security projects replace Vehicle 200	n/a n/a	Future Financing Petition Future Financing Petition	3		(cs \$ 1 (cs \$ 4	100					\$ 27.02 \$ \$ 26.23 \$	270	
ce Vehicle 201 ce Vehicle 63	Revlace Vehicle 201 Replace Vehicle 63	2004137 n/a	Future Financing Petition Future Financing Petition	3	\$ 55.000 ¥		200			Nashua		s 26.23 s	-	
r/Replace Soffit and Fascia, Boat House Bldg.	Repair/Replace Soffit and Fascia. Boat House Blde.	n/a	Future Financing Petition	3	\$ 30.000 ¥	ícs S 3	200			Nashua	Yes S	s 26.23 s	787	
in media changeout-filters 5 & 6 I new Day Fuel Tank, Controller and related equip., FWPS Generator	Carbon media changeout-filters 5 & 6 Install new Dav Fuel Tank, Controller and related couin, FWPS Generator	2003490 n/a	Future Financing Petition Future Financing Petition	4	\$ 75.000 ¥		000			Nashua	Yes S	\$ 26.23 \$ \$ 26.23 \$	13,115 1.967	
DA PLC Replacements ace 2 Hach Turbidimeters and associated control module	SCADA PLC Replacements Replace 2 Hach Turbidimeters and associated control module	n/a n/a	Future Financing Petition Future Financing Petition	1			100					\$ 26.23 \$ \$ 26.23 \$	1,967 262	
s FER Enhancements Hardware	Munis FER Enhancements Mise Hardware	n/a n/a	Future Financing Petition Future Financing Petition		\$ 35,000 \	ícs \$ 3	000 945			Merrimack		\$ 28.86 \$	-	
Hardware	Laptop Purchase for Regulatory Department - JK	2001987	Future Financing Petition Future Financing Petition	3	\$. Y	ícs \$	\$60			Merrimack	No \$	\$ 28.86 \$		
lardware lardware	Laptop Purchase for Regulatory Department - CAH Laptop Purchase for onboarding employees (5)	2002761 2002930	Future Financing Petition Future Financing Petition	3	s .) s .)		400			Merrimack Merrimack	No S	\$ 28,86 \$	-	
oftware	Mise Software Macola Development Environment for testing upgrade	n/a 2002276	Future Financing Petition Future Financing Petition		\$ 12,000 Y	ícs \$ ícs \$	580 280				No S			
oftware is unperades	Tyler Notify Website upprades	2003317 n/a	Future Financing Petition Future Financing Petition		\$. Y	ícs \$	840	+		Merrimack	No \$	\$ 28.86 \$ \$ 28.86 \$		
e upprades n Replacement at WTP	Website upgrades 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	n/a 2003704	Future Financing Petition	3		(cs 3 (cs \$ 1				Merrimack		\$ 28.86 \$	-	
onal UPS for Distribution Data Center	We are starting to leverage this datacenter more with more equipment. The current	2003493	Future Financing Petition		\$ 1,600 \$	ícs \$	500	+ +		Merrimack	No \$	\$ 28.86 \$		
	UPS is over subscribed and we need to protect everything in there. The current AP's at WTP are tied into the wireless at HQ. We will be changing to the			-				+						
Wireless AP's for WTP	Maraki solution for HQ so these will need to be replaced.	2003426	Future Financing Petition Future Financing Petition	1			100			Merrimack	No \$	\$ 28.86 \$	-	
e Replacement for PS6110 Array 1 Backup of O365	Nimble addon shelf – 33tb usable Backup documents stored in the cloud within Office 365.	2003425 n/a	Future Financing Petition	3		ícs S	-			Merrimack				
t Remote Control Software	5 literases Replace Synengen/WAM with newer more cost effective/improved functionality	n/a	Future Financing Petition Future Financing Petition	1	\$ 1,300 \	ícs \$				Merrimack	No \$	\$ 28.86 \$		
S replacement project (Estimate) Building - Cable Management in Server Room	Replace Synchern w Ast with newer more cost encover improved nunctionality system Rack/Ladder/Patch Panels/Cable Management/KVM	2000368 2001988	0.1 DSRR		\$ 600.000 Y	(cs \$ 66 No \$	300 560	+		Nashua Nashua	Yes S	s 26.23 s s 26.23 s	15.738 146	
Building - Facility Secure Access/Surveillance	Doors and elevator security/Cameras	2001988	0.1 DSRR	3	\$ 78,300 2	No \$ 14	200			Nashua	Yes S	\$ 26.23 \$	3,672	
Building - Audio/Visual Building - Server Room Networking	Boardroom and Conference Rooms Routers/Switches/Racks/Patch Panels	2001988 2001988	0.1 DSRR 0.1 DSRR	3		No S I	800			Nashua	Yes S	\$ 26.23 \$ \$ 26.23 \$	761	
Building - Wircless	Wireless Access Points for Main Office	2001988	0.1 DSRR			No \$ 1	200			Nashua	N	\$ 26.23 \$	268	

1	Pennichuck Water Works, Inc.
1	DW 20-020
1	Board Approved 2020 QCPAC Capital Expenditures
- 2	/9/2020
	Partiand 6 /16 /2020 nos Staff Tash DP 1

Revised 6/16/2020 per Staff Tech DR-1 6/30/2020 Update

Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Board Approved 2020 Capex Budget	QCPAC Eligible?	Cost as of	Estimated Project Cost as of 9/30/2020 11/30/2020	Final Project cost as of 12/31/2020 Communi	7 Taxab	le Tax Rate (I)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since 2/9/2020
New Building - Phone System	Replacement of existing Phone sytem. New system will not work with existing hardware	2001988	0.1 DSRR			s 70.000	No	s 60.000		Nashua	Yes	\$ 26.23	\$ 1.574	
New Building - Cubicles (per 12/5 DW email)	Cabicles for new headquarters	2001988	0.1 DSRR			\$ 65,000	No	\$ 80.000		Nashua	Yes	\$ 26.23	\$ 2.098	changed to create social distance barrier.
New Building - Appliances (per 1/2/20 conversation with LG)	Appliances (Refridgerator, dishwasher, microwaves, etc)	2001988	0.1 DSRR			\$ 7,000	No	\$ 5,500		Nashua	Yes	\$ 26.23	\$ 144	
New Building - relocation of Genset to New Office location	New Building - relocation of Genset to New Office location	2001988	0.1 DSRR			\$ 60,000	No	\$ 140,000		Nashua	Yes	\$ 26.23	\$ 3,672	
New Building - Office Furniture	New Building - Office Furniture	2001988	0.1 DSRR			\$ 10,000	No	\$ 18,000		Nashua	Yes	\$ 26.23	\$ 472	then in original budget.
AMF - IOS mobile Management	Software configuration support for JAMF product	2004171		Future Financing Petition		\$ 6,000	Yes	\$ 6,000		Merrimad	No	\$ 28.86	s .	
Document Management	Software to allow for document tracking and flow management (Accounting)	n/a		Future Financing Petition		\$ 8,000	Yes	\$ 5,400		Merrimad	No	\$ 28.86	s .	
Click Software move to MS sql	Move Click Database from Oracle to MS sql in order to retire Oracle after the WAM replacement project is complete	2003421		Future Financing Petition		\$ 45.000	Yes	\$ 19.500		Merrimad	No	\$ 28.86	s .	
Lemon Street, Final Restoration	2020 Carryover Costs	2000693		Future Financing Petition		ş .	Yes	\$ 1,500		Nashua	Yes	\$ 26.23	\$ 39	Not included in approved 2020 Budget.
Lowell Street, Final Restoration	2020 Carryover Costs	2000694		Future Financing Petition		s .	Yes	\$ 2.500		Nashua	Yes	\$ 26.23	\$ 66	Not included in approved 2020 Budget.
West Pearl Street, Final Restoration	2020 Carryover Costs	2000695		Future Financing Petition		ş .	Yes	\$ 12,750		Nashua	Yes	\$ 26.23	\$ 334	Not included in approved 2020 Budget.
Elm Street, Final Restoration	2020 Carryover Costs	2000696		Future Financing Petition		s .	Yes	\$ 21,750		Nashua	Yes	\$ 26.23	\$ 571	Not included in approved 2020 Budget.
Warren Street, Final Restoration	2020 Carryover Costs	2000697		Future Financing Petition		ş .	Yes	\$ 1,500		Nashua	Yes	\$ 26.23	\$ 39	Not included in approved 2020 Budget.
				Pennichurck Water Wor	ks Projected 2020 Total Capita	\$ 10,175,700		\$ 7.255.674	8 . 8 .	S Proi	cted Proper	ty Tax Expense	\$ 168,212	

			0.1 DSRR Funded project Total -	\$ 409,300	s	569,8	60
			Total Projected PWW QCPAC Capex for 2020 -	\$ 9,766,400	\$	6,685,8	14
		Total Projected I	WW QCPAC Capex for 2020 funded with Bonds -	\$ 9,211,025	\$	6,130,4	39
Tot	al Projected PWW Q	CPAC Capex for 2020 funded wit	h Drinking Water and Groundwater Trust Fund -	\$ 555,375	\$	555,3	75
		Proje	ct Annual P&I on 2020 QCPAC eligible Projects -	\$ 628,935	\$	428,5	38
Estimated Bond Terms (Bonds to be sold in April 2021) -	30	Years @	5.0%	\$ 599,190	\$	398,7	
DWGTF Terms -	30	Years @	3.38%	\$ 29,744	\$	29,7	44

	-		•
6	\$	599,190	s
6	\$	29,744	5

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 2221 New Services (10) Single Family, Owner Build, New Homes 2021 Information (10) Replacement of Failed Services 2021 Information (10) Replacement of Failed Services 2021 Information (10) Replacement of Failed Services 2021 Information (10) Replacement of Failed Starvices 2021 Meters (100) Replacement Of Failed Starvices 2021 Meters (100) Replacement Colliny Track to replace existing high mileage/maintenance version (10) mileage/m					2021 Approved						
2021 New Services (10) Single Family, Owner Build, New Homes 2021 Hydraws (10) Replacement of Failed Services 2021 Hydraws (10) Replacement of non functional hydrams 2021 Light (10) Replacement of non functional hydrams 2021 Light (10) Replacement of Failed Cate Valves 2021 Radios (4000) Begin? Year replacement of all PWW redios (all initial radios inst Replacement Unity Track Replacement Unity Track New Unity Track to replace existing high maleage/maintenance vel Replacement Unity V nack Replacement Unity Van to replace casting high maleage/maintenance vel Protectus Meter Upgrade Protectus Meter Upgrade Protectus Meter Upgrade Protectus Meter Upgrade Replacement Unity Nan Brook Street Replaced 40 LG of ench CI with 3 ench DIPCL Barrit Street Barrit Street Replace 23 LF of 4 inch and 915 LF of 6 inch CI with 140 LF of Immilions Street Replace 243 LF of 4 inch CI with 3 ench DIPCL Barrit Street Replace 241 LF of inch CI with 8 inch DIPCL Strest Barrit Street Replace 250 LF of 6 inch CI with 8 inch DIPCL Street Replace 250 LF of 6 inch CI with 8 inch DIPCL Barrite Street Replace 250 LF of 6 inch CI with 8 inch DIPCL Street Repl					Budgeted Amount,					QCPAC	
2021 New Services (10) Single Family, Owner Build, New Homes 2021 Renewed Services (20) Replacement of Failed Services 2021 Ilydrands (10) Replacement of on functional hydrants 2021 Ilydrands (10) Replacement of on functional hydrants 2021 Ilydrands (10) Replacement of Failed Cate Valves 2021 Radios (4000) Begin 7 vera replacement of all PWW radios (all initial radios inst Replacement Unity Track to replace existing high maleage/maintenance ver 2021 Radios (4000) New Unity Track to replace existing high maleage/maintenance ver Replacement Unity Van New Unity Track to replace existing high maleage/maintenance ver Replacement Unity Van New Unity Van to replace existing high maleage/maintenance ver Portectus Marer Upgrade Protectus Marer Upgrade Portoctus Marer Unity Van New Unity Van to replace existing high maleage/maintenance ver Browk Street Replace: 225 LF of 4 inch and 915 LF of 6 inch Cl with 140 LF of famriti Street Browk Street Replace: 23 LF of 4 inch Cl with 8 inch DIPCL Burnit Street Replace: 245 LF of 4 inch Cl with 8 inch DIPCL Street Replace: 245 LF of 4 inch Cl with 8 inch DIPCL Street Replace: 240 LF of inch Cl with 8 inch DIPCL Strevet				Date of	Revised to reflect					Eligible	
2021 New Services (10) Single Family, Owner Build, New Homes 2021 Renewed Services (20) Replacement of Failed Services 2021 Ilydrands (10) Replacement of on functional hydrants 2021 Ilydrands (10) Replacement of on functional hydrants 2021 Ilydrands (10) Replacement of Failed Cate Valves 2021 Radios (4000) Begin 7 vera replacement of all PWW radios (all initial radios inst Replacement Unity Track to replace existing high maleage/maintenance ver 2021 Radios (4000) New Unity Track to replace existing high maleage/maintenance ver Replacement Unity Van New Unity Track to replace existing high maleage/maintenance ver Replacement Unity Van New Unity Van to replace existing high maleage/maintenance ver Portectus Marer Upgrade Protectus Marer Upgrade Portoctus Marer Unity Van New Unity Van to replace existing high maleage/maintenance ver Browk Street Replace: 225 LF of 4 inch and 915 LF of 6 inch Cl with 140 LF of famriti Street Browk Street Replace: 23 LF of 4 inch Cl with 8 inch DIPCL Burnit Street Replace: 245 LF of 4 inch Cl with 8 inch DIPCL Street Replace: 245 LF of 4 inch Cl with 8 inch DIPCL Street Replace: 240 LF of inch Cl with 8 inch DIPCL Strevet		Financing	NHPUC	NHPUC	2020 QCPAC					Property Tax	
3021 Recrewed Services (20) Replacement of Faded Services 3021 Hydrams (10) Replacement of non functional hydramts 3021 Gates (10) Replacement of Faded Stervices 3021 Attes (10) Replacement of Faded Star Valves 3021 Meters (forowth) 5/8*-2** - Core & CWS (TBD) New meters CBN). Replacement of faded date Valves 3021 Meters (forowth) 5/8*-2** - Core & CWS (TBD) New meters CBN). Replacement of faded date Valves Replacement Unitity Truck New Unity Truck to replace existing high mileage/maintenance vel Replacement Unitity Yan New Unity Yan to replace existing high mileage/maintenance vel Protectus Meter Upgrade Protectus Meter Upgrade Protectus Meter Upgrade Protectus Meter Upgrade Replace 25 LF of 4 inch cl with 4 mch DIPC1. Burnit Street Barnit Street Replace 25 LF of 4 inch cl with 4 mch DIPC1. Burnit Street Replace 25 LF of 4 inch cl with 8 inch DIPC1. Burnit Street Replace 25 LF of 6 inch Cl with 8 inch DIPC1. Burnit Street Replace 260 LF of 6 inch Cl with 8 inch DIPC1. Linawood Street Replace 240 LF of 6 inch Cl with 8 inch DIPC1. Balcom Street Replace 240 LF of 4 inch Cl with 8 inch DIPC1. Balcom Street<	Work Order #	Docket No.	Order No.	Order	activity	QCPAC Eligible?	Community	Taxable	Tax Rate (1)	Expense	Explanation for Change/Addition/Deletion since 2/9/2021
Bits Replacement of non functional hydrants 2021 Gates (10) Replacement of Faled Gate Valves 2021 Radios (4000) Replacement of Faled Gate Valves 2021 Radios (4000) New Totality of Faled Gate Valves 2021 Radios (4000) New Totality Truck to replace cassing high mileage/maintenance vel 2021 Radios (4000) New Unity Truck to replace cassing high mileage/maintenance vel Replacement Unity Truck New Unity Truck to replace cassing high mileage/maintenance vel Replacement Unity Van New Unity Truck to replace cassing high mileage/maintenance vel Perotectus Meter Upgrade Protectus Meter Upgrade Protectus Meter Upgrade Replacement Unity Van to replace cassing high mileage/maintenance vel Replacerent Unity Van Replace 235 LF of 4 inch and 915 LF of 6 inch Cl with 140 LF familion Street Replace 245 LF of 4 inch cl with 3 inch DIPCL Burriti Street Burriti Street Replace 250 LF of 6 inch Cl with 3 inch DIPCL Street Replace 250 LF of 6 inch Cl with 8 inch DIPCL Street Replace 260 LF of 6 inch Cl with 8 inch DIPCL Street Replace 260 LF of 6 inch Cl with 8 inch DIPCL Street Replace 260 LF of 6 inch Cl with 140 DIPCL Replace		Future Financing Petition		\$ 50,000	Yes	Various	Yes	\$ 27.02	\$ 1,351		
Bit Class (10) Replacement of Falcel Gate Valves 9021 Ratios (4000) Beinn 7.var erglacement of all PWW ratios fall initial radios insti New meters for new customers (280). Replacement of falked meter Replacement Unliny Truck. Replacement Unliny Truck New Unliny Truck to replace custing high mileage/maintenance v Replacement Unliny Truck. Replacement Unliny Truck New Unliny Truck to replace custing high mileage/maintenance v Replacement Unliny Van Replacement Unliny Van New Unliny Van to replace custing high mileage/maintenance v Protectus Meter Upgrade Protectus Meter Upgrade Protectus Meter Upgrade Replacement Unliny Van Replace 251 LF of 4 inch and 915 LF of 6 inch CI with 140 LF. Harritt Street Replace 251 LF of 4 inch CI with 140 LF. Burritt Street Replace 251 LF of 4 inch CI with 140 LF. Harritt Street Replace 251 LF of 4 inch CI with 140 DFCI. Burritt Street Replace 251 LF of 4 inch CI with 140 DFCI. Burritt Street Replace 251 LF of 4 inch CI with 140 DFCI. Burritt Street Replace 251 LF of 4 inch CI with 140 DFCI. Burritt Street Replace 201 LF of 6 inch CI with 140 DFCI. Burritt Street Replace 201 LF of 6 inch CI with 140 DFCI. Burritt Street Replace 675 LF of 6 inch CI with 140 DFCI. </td <td></td> <td></td> <td>ure Financing Peti</td> <td></td> <td>\$ 110,000</td> <td>Yes</td> <td>Various</td> <td>Yes</td> <td>\$ 27.02</td> <td>\$ 2,972</td> <td></td>			ure Financing Peti		\$ 110,000	Yes	Various	Yes	\$ 27.02	\$ 2,972	
Bedins (4000) Bedins Traze reducement of all PRW relates full initial radios issue 2021 Meters (Growth) 5/4"-2" - Core & CWS (TBD) New meters for new customers (200). Replacement of falled meters Replacement Unity Track New Uliny Track to replace casting high mileage/maintenance v Replacement Unity Track New Uliny Track to replace casting high mileage/maintenance v Replacement Unity Van New Uliny Track to replace casting high mileage/maintenance vel Protectus Meter Upgrade Protectus Meter Upgrade Replacement Unity Van New Uliny Track to replace casting high mileage/maintenance vel Protectus Meter Upgrade Replace 225 LF of 4 inch and 915 LF of 6 inch CI with 4 MG prestressed, tank. Bronk Street Replace 235 LF of 4 inch CI with 4 mch DIPCL. Burnit Street Replace 235 LF of 4 inch CI with 8 inch DIPCL. Burnit Street Replace 235 LF of 6 inch CI with 8 inch DIPCL. Strest Replace 235 LF of 6 inch CI with 8 inch DIPCL. Linwood Street Replace 230 LF of 6 inch CI with 8 inch DIPCL. Linwood Street Replace 230 LF of 6 inch CI with 8 inch DIPCL. Linwood Street Replace 230 LF of 6 inch CI with 8 inch DIPCL. Paretick Meters Replace 240 LF 6 inch CI with 3 inch DIPCL. Pare			Future Financing Petition §		\$ 60,000	Yes	Various	Yes	\$ 27.02	\$ 1,621	
2021 New meters for new customers (280). Replacement of failed meters Replacement Utility Truck New Utility Truck to replace existing high mileage/maintenance v Replacement Utility Truck New Utility Truck to replace existing high mileage/maintenance v Replacement Utility Truck New Utility Truck to replace existing high mileage/maintenance v Replacement Utility Truck New Utility Truck to replace existing high mileage/maintenance v Replacement Utility Yan New Utility Yan to replace existing high mileage/maintenance v Protectus Meter Upgrade Protectus Meter Upgrade Kessler Farm Tank Replacement Replace 410 LF of a nech Q with 8 inch DIPCL Harniton Street Replace 225 LF of 4 inch cl with 8 inch DIPCL Burritt Street Replace 230 LF of 6 inch Cl with 8 inch DIPCL Strasota Ave Replace 230 LF of 6 inch Cl with 8 inch DIPCL Linwood Street Replace 230 LF of 6 inch Cl with 8 inch DIPCL Burritt Street Replace 230 LF of 6 inch Cl with 8 inch DIPCL Linwood Street Replace 230 LF of 6 inch Cl with 8 inch DIPCL Linwood Street Replace 230 LF of 6 inch Cl with 8 inch DIPCL Burritt Street Replace 200 LF of 6 inch Cl with 8 inch DIPCL Replace Enginenering Fickup <t< td=""><td></td><td></td><td colspan="2">Future Financing Petition §</td><td>\$ 40,000</td><td>Yes</td><td>Various</td><td>Yes</td><td>\$ 27.02</td><td>\$ 1,081</td><td></td></t<>			Future Financing Petition §		\$ 40,000	Yes	Various	Yes	\$ 27.02	\$ 1,081	
Replacement/Utility Track to replace existing high maleage/maintenance velocitation New Utility Track to replace existing high maleage/maintenance velocitation Replacement/Utility Yun New Utility Yun to replace existing high maleage/maintenance velocitation Replacement Utility Yun New Utility Yun to replace existing high maleage/maintenance velocitation Replacement Utility Yun New Utility Yun to replace existing high maleage/maintenance velocitation Replacement Utility Yun New Utility Yun to replace existing high maleage/maintenance velocitation Replaced Fam Tank Replacement Replace 235 LF of 4 unch and with 4 MG prestressed, tank. Bronk Street Replace 235 LF of 4 unch 21 with 4 nch DIPCL. Burnit Street Replace (35 LF of 4 unch 21 with 8 anch DIPCL. Burnit Street Replace (25 LF of 4 unch 21 with 8 anch DIPCL. Jarasota Ave Replace (25 LF of 6 unch (21 with 8 anch DIPCL. Jarasota Ave Replace 235 LF of 6 unch (21 with 8 anch DIPCL. Jarasota Ave Replace 201 LF of 6 unch (21 with 8 anch DIPCL. Jarasota Ave Replace 201 LF of 6 unch (21 with 8 anch DIPCL. Jarasota Ave Replace 201 LF of 6 unch (21 with 8 anch DIPCL. Family Avenue Replace 201 LF of 8 unch (21 with 8 anch DIPCL. Family Avenue Replace 2			ure Financing Peti		\$ 520,000	Yes	Various	Yes	\$ 27.02	\$ 14,050	
Replacement Utility Truck New Utility Truck to replace existing high mileage/maintenance v Replacement Utility Yan New Utility Yano to replace existing high mileage/maintenance v Replacement Utility Yan New Utility Yano to replace existing high mileage/maintenance vd Protectus Meter Upgrade Protectus Meter Upgrade Kessler Farm Tank Replacement Replaced AGG painted steel water tank with 4 MG prestressed, tank. Brook Street Replace 225 LF of 4 inch and 915 LF of 6 inch CI with 1400 LF Hamilton Street Replace 225 LF of 4 inch and 915 LF of 6 inch CI with 8 inch DIPCI. Burritt Street Replace 251 LF of 4 inch CI with 8 inch DIPCI. Strasota Ave Replace 250 LF of 6 inch CI with 8 inch DIPCI. Linwood Street Replace 250 LF of 6 inch CI with 8 inch DIPCI. Strasota Ave Replace 250 LF of 6 inch CI with 8 inch DIPCI. Linwood Street Replace 250 LF of 6 inch CI with 8 inch DIPCI. Fairview Street Replace 250 LF of 6 inch CI with 8 inch DIPCI. Fairview Street Replace 250 LF of 6 inch CI with 8 inch DIPCI. Fairview Street Replace 200 LF of 6 inch CI with 8 inch DIPCI. Fairview Street Replace 200 LF of 6 inch CI with 8 inch DIPCI. Fairview Street Replace 200			Future Financing Petition \$		\$ 50,000	Yes	Various	Yes	\$ 27.02	\$ 1,351	
Replacement Utility Van New Utility Van to replace existing high maleage/maintenance vel Protectus Meter Upgrade Perotectus Meter Upgrade Perotectus Meter Upgrade Protectus Meter Upgrade Perotectus Meter Upgrade Replacement Utility Van to replace existing high maleage/maintenance vel Brook Street Replace 235 LF of 4 inch and 915 LF of 6 inch Cl with 4 MG prestressed, tank. Brook Street Replace 235 LF of 4 inch 2 with 4 anch DIPCJ. Burritt Street Replace 245 LF of 4 inch 2 with 4 anch DIPCJ. Burritt Street Replace 235 LF of 4 inch 2 with 8 anch DIPCJ. Burritt Street Replace 235 LF of 6 inch Cl with 8 anch DIPCJ. Linwood Street Replace 235 LF of 6 inch Cl with 8 anch DIPCJ. Linwood Street Replace 235 LF of 6 inch Cl with 8 anch DIPCJ. Burritt Street Replace 245 LF of 6 inch Cl with 8 anch DIPCJ. Linwood Street Replace 245 LF of 6 inch Cl with 8 anch DIPCJ. Buron Street Replace 240 LF of 6 inch Cl with 8 anch DIPCJ. Buron Street Replace 240 LF of 6 inch Cl with 8 anch DIPCJ. Buron Street Replace 240 LF of 6 inch Cl with 8 anch DIPCJ. School Street (Lingh to W. Pard Alleveway) Replace 240 LF of 8 inch Cl with 1240 LF 8 mch DIPCJ. <			ture Financing Peti		\$ 70,000	Yes	Merrimack	No	\$ 28.86	ş -	
Replacement Utility Van New Utility Van to replace existing high mileage/maintenance vel Protectus Meter Upgrade Pertoccus Meter Upgrade Revolker Upgrade Pertoccus Meter Upgrade Revolk Replacement Replaced 4 MG painted steel water tank with 4 MG prestressed; tank. Brook Street Replace 251.F of 4 inch and 915 LF of 6 inch CI with 1140 LF. Hamilton Street Replace 252.F of 4 inch with 8 inch DIPCL Burrit Street Replace 251.F of 4 inch 1 with 8 inch DIPCL Burrit Street Replace 251.F of 6 inch CI with 8 inch DIPCL Street Replace 250.LF of 6 inch CI with 8 inch DIPCL Street Replace 250.LF of 6 inch CI with 8 inch DIPCL Street Replace 250.LF of 6 inch CI with 8 inch DIPCL Barrit Street Replace 250.LF of 6 inch CI with 280.LF 8 inch DIPCL Eardon Street Replace 250.LF of 6 inch CI with 8 inch DIPCL Eardon Verter Replace 250.LF of 6 inch CI with 8 inch DIPCL Eardon Verter Replace 250.LF of 6 inch CI with 8 inch DIPCL Eardon Verter Replace 250.LF of inch CI with 8 inch DIPCL Eardon Verter Replace 250.LF of inch CI with 8 inch DIPCL Eardon Verter Replace 100.1F of inch CI with 8 inch DIPCL <			ture Financing Peti		\$ 70,000	Yes	Merrimack	No	\$ 28.86	ş -	
Protectus Meter Upgrade Protectus Meter Upgrade Resplaced F ann Tank Replacement Replaced 4 MG painted steel water tank with 4 MG prestressed, tank. Brook Street Replaced 10.1F of 4 inch and 915 LF of 6 inch CI with 1140 LF of tank. Barnito Street Replace 420 LF of 6 inch CI with 4 inch DIPCL. Burrit Street Replace 421 LF of 4 inch CI with 4 inch DIPCL. Burrit Street Replace 675 LF of 4 inch CI with 8 inch DIPCL. Strasota Ave Replace 250 LF of 6 inch CI with 8 inch DIPCL. Linwood Street Replace 250 LF of 6 inch CI with 8 inch DIPCL. Linwood Street Replace 260 LF of 6 inch CI with 8 inch DIPCL. Linwood Street Replace 290 LF of 6 inch CI with 8 inch DIPCL. Burity Street Replace 290 LF of 6 inch CI with 8 inch DIPCL. Burity Street Replace 290 LF of 6 inch CI with 1240 LF 8 inch DIPCL. Burdot Avenue Replace 290 LF of 6 inch CI with 120 LF 8 inch DIPCL. Fernple St (south to gorman) Replace 290 LF of 8 inch CI with 120 LF 100 LF 100 LF. Kerhace Lingingering Pickup with > 150,000 Males Replace Replace-Replace/RUPgrade Me MIord Booster 5 staton > 28,000 Males Replace Engineering Study with > 150,000 Males Replace Cingingering Pickup win > 150,000 Males Replace Ling			ure Financing Peti		\$ 35,000	Yes	Merrimack	No	\$ 28.86	ş -	
Kessler Farm Tark Replacement Replaced 4 MG pained steel water tark with 4 MG prestressed, tark Brook Street Replace 225 LF of 4 inch and 915 LF of 6 inch CI with 140 LF of farch 100 Street Burnit Street Replace 240 LF of 4 inch 2015 LF of 6 inch CI with 8 inch DIPCL. Burnit Street Replace 241 LF of 4 inch CI with 8 inch DIPCL. Burnit Street Replace 242 LF of 4 inch CI with 8 inch DIPCL. Burnit Street Replace 251 LF of 6 inch CI with 8 inch DIPCL. Street Replace 250 LF of 6 inch CI with 8 inch DIPCL. Street Replace 250 LF of 6 inch CI with 8 inch DIPCL. Street Replace 250 LF of 6 inch CI with 8 inch DIPCL. Balorin Street Replace 250 LF of 6 inch CI with 8 inch DIPCL. Balorin Street Replace 250 LF of inch CI with 8 inch DIPCL. Balorin Street Replace 200 LF 6 inch CI with 8 inch DIPCL. Fairciw Street Replace 200 LF 6 inch CI with 8 inch DIPCL. Fairciw Street Replace 200 LF 6 inch CI with 8 inch DIPCL. School Street (High to W. Pearl Alleyway) Replace Engineering Pickup with > 150,000 Miles Replace Engineering Pickup with > 150,000 Miles Replace Engineering Pickup with > 150,000 Miles Replace Enginteerinstal stervices 1 xanual reverue pet tar	les	Fut	ure Financing Peti	ition	\$ 35,000	Yes	Merrimack	No	\$ 28.86	ş -	
Resider Farm Lank Replace Part tank. Brook Street Replace 225 LF of 4 inch and 915 LF of 6 inch. CL with 1140 LF. Harmlton Street Replace 225 LF of 4 inch. CL with 8 inch DIPCL. Burrit Street Replace 225 LF of 4 inch. CL with 8 inch DIPCL. Burrit Street Replace 425 LF of 4 inch. CL with 8 inch DIPCL. Verous Street Replace 675 LF of 6 inch. With 8 inch DIPCL. Larnot Ave Replace 675 LF of 6 inch. With 8 inch DIPCL. Linwood Street Replace 201 LF of 6 inch. CL with 8 inch DIPCL. Balcon Street Replace 200 LF of 6 inch. CL with 8 inch DIPCL. Bardin Aven Replace 200 LF of 6 inch. CL with 8 inch DIPCL. Fariview Street Replace 200 LF of 6 inch. CL with 8 inch DIPCL. Fariview Street Replace 200 LF of 6 inch. CL with 8 inch DIPCL. Fariview Street Replace 200 LF of 6 inch. CL with 8 inch DIPCL. Fariview Street Replace 200 LF of 6 inch. CL with 8 inch DIPCL. Fariview Street Replace 200 LF of 6 inch. CL with 8 inch DIPCL. Replace Engineering Pickup with > 150,000 Miles Replace Engineering Pickup with > 150,000 Miles Replace Engineering SUV Replace Engineering SUV with > 150,000 Miles Milford Booster Pump replacements </td <td></td> <td></td> <td>0.1 DSRR</td> <td></td> <td>\$ 22,000</td> <td>Yes</td> <td>Merrimack</td> <td>No</td> <td>\$ 28.86</td> <td>ş -</td> <td></td>			0.1 DSRR		\$ 22,000	Yes	Merrimack	No	\$ 28.86	ş -	
Hamilton Street Replace 410 LF of 6 inch CI with 4 inch DIPCL. Burritt Street Replace 425 LF of 4 inch CI with 8 inch DIPCL. Burritt Street Replace 675 LF of 4 inch CI with 8 inch DIPCL. Verona Street Replace 675 LF of 6 inch CI with 8 inch DIPCL. Strastot Ave Replace 675 LF of 6 inch CI with 8 inch DIPCL. Lamoud Street Replace 670 LF of 6 inch CI with 8 inch DIPCL. Balcom Street Replace 900 LF of 6 inch CI with 8 inch DIPCL. Faixoto Ave Replace 240 LF of 6 inch CI with 8 inch DIPCL. Faixoice Xtreet Replace 425 LF of inch CI with 8 inch DIPCL. Faixoice Xtreet Replace 425 LF of inch CI with 8 inch DIPCL. Faixoice Xtreet Replace 200 LF of 8 inch CI with 12 alch DIPCL. Faixoice Xtreet Replace 900 LF of 8 inch CI with 8 inch DIPCL. Femple St (outh to gomma) Replace 900 LF of 8 inch CI with 8 inch DIPCL. Replace Engineering Fekun with > 150,000 Mles Replace 200 LF of 8 inch CI with 8 inch DIPCL. Replace Engineering SUV Replace Relocae/Upgrade the Malford Booster Station (>2MGE Robater Station Replace Relocae/Upgrade the Malford Booster Station (>2MGE Robater Pump replacements Chemical Feed pump replacements Ro	ecast water 2000379		ture Financing Peti		\$ 3,328,000	Yes	Nashua	Yes	\$ 26.23	\$ 87,293	Construction deferred from 2020 to 2021
Burnit Street Replace 425 LF of 4 inch CJ with 8 inch DIPCL. Burnit Street Replace 425 LF of 4 inch CJ with 8 inch DIPCL. Verona Street Replace 250 LF of 6 inch CI with 8 inch DIPCL. Saraota Ave Replace 250 LF of 6 inch CI with 8 inch DIPCL. Linwood Street Replace 250 LF of 6 inch CI with 8 inch DIPCL. Saraota Ave Replace 250 LF of 6 inch CI with 8 inch DIPCL. Balcon Street Replace 200 LF of 6 inch CI with 8 inch DIPCL. Balcon Street Replace 210 LF of inch CI with 8 inch DIPCL. Fairwood Street Replace 210 LF of inch CI with 8 inch DIPCL. Fairwood Street Replace 200 LF of inch CI with 25LF 8 inch DIPCL. Fairwood Street (Link) to gorman) Replace 200 LF of inch CI with 25LF 8 inch DIPCL. School Street (Link) to gorman) Replace 200 LF of inch CI with 210 LPCL. School Street (Link) to gorman) Replace 200 LF of inch CI with 210 LPCL. School Street (Suphon Dipercent Pickow) Replace 200 LF of inch CI with 210 LPCL. School Street (Suphon Dipercent Pickow) Replace 200 LF of inch CI with 210 LPCL. School Street Station Replace 200 LF of inch CI with 210 LPCL. Replace Engineering SUV Replace 200 LF of inch CI with 210 LPCL.	8 inch DIPCL		ure Financing Peti		\$ 42,000	Yes	Nashua	Yes	\$ 26.63	\$ 1,118	
Burnit Street Replace 125 LF of 4 inch CI with 4 inch DIPCI. Verona Street Replace 250 LF of 6 inch CI with 8 inch DIPCI. Straxota Ave Replace 250 LF of 6 inch CI with 8 inch DIPCI. Linwood Street Replace 250 LF of 6 inch CI with 8 inch DIPCI. Balcom Street Replace 250 LF of 6 inch CI with 8 inch DIPCI. Fairota Ave Replace 250 LF of 6 inch CI with 8 inch DIPCI. Fairota Street Replace 1240 LF of 6 inch CI with 8 inch DIPCI. Fairotive Street Replace 240 LF of 6 inch CI with 8 inch DIPCI. Fairotive Street Replace 200 LF of 8 inch CI with 1240 LF 8 inch DIPCI. Fernbe St (outh to goman) Replace 200 LF of 8 inch CI with 8 inch DIPCI. Replace Engineering Pickup With 8 inch DIPCI. Replace Engineering Pickup With 8 inch DIPCI. Replace Engineering Pickup With 8 inch DIPCI. Replace Engineering Pickup With 8 inch DIPCI. Milford Booster Station Replace Replacering SUV Replace Replacering SUV Milford Booster Station Is annual recence per turff 2020 Nashu. Cit Sever Projects Jo b determined Booster Pump replacement/rebuild Booster Pump replacement/rebuild Well Pump replacement/rebuil Booster Pump replacements Chernical Feed pump replacemen			Future Financing Petition		\$ 7,000	Yes	Nashua	Yes	\$ 26.63	\$ 186	
Verona Street Reduce 075 LF of 6 inch CI with 8 inch DIRCL. Strastat Ave Berbace 200 LF of 6 inch CI with 8 inch DIRCL. Linwood Street Replace 200 LF of 6 inch CI with 8 inch DIRCL. Balcon Street Replace 200 LF of 6 inch CI with 8 inch DIRCL. Balcon Street Replace 200 LF of 6 inch CI with 8 inch DIRCL. Balcon Street Replace 240 LF 6 inch CI with 240 LF 8 inch DIRCL. Faudid Arenne Replace 432 LF 6 inch CI with 423 LF 8 inch DIRCL. Farriew Street Replace 432 LF 6 inch CI with 260 LF 8 inch DIRCL. School Street (High to W, Pard Allerway) Replace 400 LF of 4 inch CI with 27 inch DIRCL. School Street (High to W, Pard Allerway) Replace 200 LF of 4 inch CI with 2 inch DIRCL. Replace Engineering PEkup Replace 400 LF of 4 inch CI with 2 inch DIRCL. School Street (High to W) Pard Allerway) Replace Engineering PEkup No Miles Replace Engineering PEkup No Miles Replace Engineering PEkup No Miles Replace Engineering PEkup No Miles Replace Topicorenty Status School Status 200 No Miles Replace Engineering PEkup No Miles Ne determined 200 No Miles Replace Indig Net Paroperents Veil Pump replacement/rebuild Weil Pump replacements			ture Financing Peti		\$ 15,000	Yes	Nashua	Yes	\$ 26.63	\$ 399	
Sarssort Ave Replace 250 LF of 6 inch CI with 8 inch DIPCL Linwood Street Replace 200 LF of 6 inch CI with 8 inch DIPCL Balcom Street Replace 1240 LF 6 inch CI with 1240 LF 8 inch DIPCL Eurki Avenue Replace 1240 LF 6 inch CI with 1240 LF 8 inch DIPCL Eurki Avenue Replace 200 LF of 6 inch CI with 1240 LF 8 inch DIPCL Eurki Avenue Replace 200 LF of 6 inch CI with 4251 F 8 inch DIPCL Farrives Virset Replace 200 LF of 8 inch CI with 8 01 LF 3 inch DIPCL Temple S1 (south to gorman) Replace 200 LF of 8 inch CI with 8 inch DIPCL Replace Engineering Pickup with 8 inch DIPCL Replace Engineering Pickup with 8 inch DIPCL Replace Engineering Virbut Replace Engineering Virbut 8 inch DIPCL Matter Booster Station Replace Engineering Virbut 8 inch DIPCL Investment in developer installed services 1 is annual arcune per traiff 2020 Nashua Caix Sever Projects To be determined Booster Pump replacements Well Pump replacement/rebuild Well Pump replacements Supply Pond Spillway Improvements Supply Pond Spillway Improvements Supply Pond Spillway Improvements Miscellancous Equipment Purchased Miscellancous Equipment Purchased Mis			ture Financing Peti		\$ 4,000	Yes	Nashua	Yes	\$ 26.63	\$ 107	
Linwood Street Replace 290 LF of 6 inch CI with 8 inch DIPCL. Balcon Street Replace 245 LF 6 inch CI with 1240 LF 8 inch DIPCL. Endda Avenue Replace 245 LF 6 inch CI with 1240 LF 8 inch DIPCL. Fairview Street Replace 240 LF 6 inch CI with 245 LF 8 inch DIPCL. Fairview Street Replace 240 LF 6 inch CI with 425 LF 8 inch DIPCL. Emplose Notes Replace 240 LF 6 inch CI with 261 LF 8 inch DIPCL. Kehode Street (1 High to W. Pearl Alleyway) Replace 240 LF 6 8 inch CI with 8 inch DIPCL. School Street (1 High to W. Pearl Alleyway) Replace 240 LF 6 8 inch CI with 8 inch DIPCL. Replace Engineering PCkup Replace Engineering PCkup With > 150,000 Miles Replace Engineering PCkup Biology Bio			ture Financing Peti		\$ 15,000	Yes	Nashua	Ycs	\$ 26.63	\$ 399	
Balcons Street Replace 1240 I E 6 inch CI with 1240 LF 8 inch DIPCL. Euclid Avenue Replace 425 IF 6 inch CI with 425 LF 8 inch DIPCL. Farview Street Replace 425 IF 6 inch CI with 425 LF 8 inch DIPCL. Temple St (coult to gorman) Replace 900 LF 6 inch CI with 800 LF 8 inch DIPCL. Replace St (coult to gorman) Replace 900 LF 6 inch CI with 8 inch DIPCL. Replace Engineering Pickup with 8 inch DIPCL. Replace Engineering Pickup with 8 inch DIPCL. Replace Engineering Pickup with 8 inch DIPCL. Replace Engineering Pickup with 8 inch DIPCL. Milford Booster Station Replace Engineering Vickup with 8 inch DIPCL. Milford Booster Station Replace Engineering Vickup with 8 inch DIPCL. Weild Pump replacements / Engineering Vickup with 9 isophytool Miles National Pickup with 9 isophytool Miles Weild Pump replacements Weil Pump replacements Chemical Feed pump replacements Chemical Feed pump replacements Supply Pond Spillway Improvements Supply Pond Spillway Improvements Misc Structural Improvements Misc Structural Improvements Misc Structural Improvements Misc Structural Improvements Misc Structural Improvements Misc Structural Improvements Misc Structural Imprexenents Miscelaneous ScDDA/Electrical			ure Financing Peti		\$ 9,000	Yes	Nashua	Yes	\$ 26.63	\$ 240	
Euclid Avenue Replace 425 LF 6 inch CI with 425 FF 8 inch DIPCL. Fairview Street Replace 300 LF 6 inch CI with 425 FF 8 inch DIPCJ. Endple St (south to gorman) Replace 200 LF 6 of sinch CI with 21 inch DIPCJ. School Street (1 link to W. Pearl Allerway) Replace 200 LF of sinch CI with 21 inch DIPCJ. Replace Tagingering Peckup Replace 400 LF of sinch CI with 21 inch DIPCJ. Replace Tagingering Peckup Replace Engineering 2UV with > 150,000 Miles Replace Tagingering Peckup Replace Engineering 2UV with > 150,000 Miles Replace Tagingering Peckup OM LE of sinch CI with > 150,000 Miles Replace Engineering 2UV with > 150,000 Miles Replace Tagingering Peckup OM LE of sinch CI with > 150,000 Miles Replace Engineering Peckup Miles Replace Tagingering Peckup Miles Milord Booster Station />2MGE Sector 1 to be determined Booster Pump replacements Booster Pump replacements Chemical Feed pump replacements Supple Pond Sollwar Improvements Supple Pond Sollwar Improvements Supple Pond Sollwar Improvements Mise Structural Improvements Mise Entructural Improvements Mise Entructural Improvements Mise Structural Improvements Mise Entructural Improvements Mise Entructural Improvements Mise Entructural Improvements Mise		Future Financing Petition		\$ 284,000	Yes	Nashua	Yes	\$ 26.63	\$ 7,563		
Fairview Street Replace 800 LF 6 inch CI with 800 LF 8 inch DIPCI. Temple St (touth to gorman) Replace 900 LF of 8 inch CI with 2 inch DIPCI. School Street (High to W. Pearl Alleyway) Replace 900 LF of 8 inch CI with 8 inch DIPCI. Replace Engineering Pekup Replace Engineering Pekup with > 150,000 Miles Replace Engineering Pekup with > 150,000 Miles Replace Engineering Pekup with > 150,000 Miles Milford Booster Station Replace Replace: Regineering UP with > 150,000 Miles Washme City Severe Projects To be determined Booster Pump replacement/rebuild Booster Pump replacement/rebuild Well Pump replacements Chemical Feed pump replacements Chemical Feed pump replacements Supply Pond Spillway Improvements Supply Pond Spillway Improvements Supply Pond Spillway Improvements Miscellancous Equipment Purchased Miscellancous EQuipment Purchased Miscellancous SciDD/Electrical Miscellancous SCDD/Electrical Well Rehabilitation Well Rehabilitation Werd Rehabilitation Well Rehabilitation Miscellancous Equipment Purchased Miscellancous EQD/Electrical Miscellancous Equipment Purchased Miscellancous EQD/Electrical Well Rehabil			ture Financing Peti		\$ 368,000	Yes	Nashua	Yes	\$ 26.63	\$ 9,800	
Temple St (south to gorman) Replace 200 LF of 8 meh CI with 12 inch DIPCL. School Street (High to W. Pearl Alleyway) Replace 200 LF of 8 meh CI with 12 inch DIPCL. Replace Engineering Pickup with > 150/000 Miles Replace Engineering Pickup with > 150/000 Miles Replace Engineering View with > 150/000 Miles Replace Engineering View with > 150/000 Miles Milford Booster Station Replace Clagmeering SUV with > 150/000 Miles 2020 Nashan Cit Sewert Porjects To be determined Booster Pump replacement/rebuild Booster Pump replacements Quel Pum replacements Well Pum replacements Unservices Install replace restores motion Misc. Structural Innovorements Stapple Pool Solivav Inprovements Misc. Structural Innovorements Misc. Engineering Miles Misc. Engineering Viewer Porjection Misc. Structural Innovorement Misc. Structural Innovorements Misc. Engineering Miles Misc. Structural Innovorements Misc. Engineering Miles Miscellancous Scatu/Placement Well Pum replacements Miscellancous Scatu/Placement Miscellancous Scatu/Placement Miscellancous Scatu/Placement Well Wile Miles Miscellancous Scatu/Placement Misce			ture Financing Peti		\$ 126,000	Yes	Nashua	Yes	\$ 26.63	\$ 3,355	
School Street (High to W. Pearl Alleyway) Replace 400 [JF of 4 inch CI with 8 inch DIPCI. Replace Engineering Pickup with > 150,000 Miles Replace Engineering Pickup with > 150,000 Miles Replace Engineering VU Replace Engineering VU Replace Engineering VU Milford Booster Station Replace Engineering VU Replace Engineering VU Nursettment in developer installed services Li x annul revenue pet raff > 150,000 Miles 2020 Nashua Giv Sewer Projects To be determined Booster Pump replacement/rebuild Well Pump replacements Well Pump replacements Supply Pood Spillway Improvements Supply Pood Spillway Improvements Supply Pood Spillway Improvements Miles Restaurn systems in small CWS Mise: Structural Improvements Mise: Replace treatment systems in small CWS Misellancous Equipment Purchased Wiseclancous SCADJ/Electrical Miseclancous SCADJ/Electrical Miseclancous SCADJ/Electrical With Pump trachastion Well Rehabilitation Well Rehabilitation Well Rehabilitation With Structural/HVAC Werl Rehabilitation Weil Rehabilitation Weil Rehabilitation With Structural/HVAC Werl Purchase end bis equipment Purchase new lab equipment		Future Financing Petition		\$ 237,000	Yes	Nashua	Yes	\$ 26.63	\$ 6,311		
Replace Engineering Pickup Replace Engineering Pickup with > 150,000 Mdes Replace Engineering SUV Replace Engineering SUV with > 150,000 Mdes Riford Booster Station Replace Regineering SUV Miford Booster Station Replace Relocate/Upgrade the Miford Booster Station (>2MGE D200 Nashua City Severe Projects To be determined Booster Pump replacement/rebuild Booster Pump replacement/rebuild Weil Pumn replacements Weil Pumn replacements Supply Pond Spillwav Improvements Supply Pond Spillwav Improvements Mass: Structural Improvements Misce Elancous CADA/Lectrical Miscellaneous Equipment Purchased Miscellaneous Equipment Purchased Miscellaneous Equipment Purchased Miscellaneous EQADA/Lectrical Weil Runn replacements Miscellaneous Equipment Purchased Miscellaneous Equipment Purchased Miscellaneous Equipment Purchased Weil Rehabilitation Weil Rehabilitation Weil Rehabilitation Weil Rehabilitation Purchase new lab equipment Purchase new lab equipment Purchase new lab equipment Purchase new lab equipment			Future Financing Petition		\$ 329,000	Yes	Nashua	Yes	\$ 26.63	\$ 8,761	
Replace Engineering SUV Replace Engineering SUV with > 150,000 Miles Milford Booster Station Replace (Relocare/Upgrade the Milford) Booster Station (>2MGE) Investment in developer installed services Ix annual revenue per tariff 2020 Nashun Giv Sewer Projects To be determined Booster Pump replacement/rebuild Booster Pump replacement/rebuild Weil Pump replacements Weil Pump replacements Chemical Feed pump replacements Supply Pond Spillway. Improvements Misc, Structural Improvements Misc, Structural Improvements Misc, Structural Improvements Miscelancous SCADA/Electrical Weil Rehabilitation Weil Rehabilitation WTP Structural/HVAC, WTP Structural/HVAC, Purchase new lab equipment Purchase new lab equipment Miscelancous Fencing and Security projects Miscelancous Fencing and Security projects			Future Financing Petition		\$ 135,000	Yes	Nashua	Yes	\$ 26.63	\$ 3,595	
Milford Booster Station Replace/Relocate/Upgrade the Milford Booster Station (>2MGE) Investment in developer installed services 1x annual avernae per traff 2020 Nashua, Caty Sewer Projects To be determined Booster Pump replacement/rebuild Booster Pump replacement/rebuild Well Pump replacements Well Pump replacements Chemical Feed pump replacements Supply Pond Spillway Improvements Supply Pond Spillway Improvements Supply Pond Spillway Improvements Misc Structural Improvements Misc Entructural Improvements Misc Structural Improvements Misc Structural Improvements Misc Structural Improvements Misc Structural Improvements Miscellancous Equipment Purchased Miscellancous Equipment Purchased Miscellancous Faujement Purchased Miscellancous GADA/Electrical Well Rehabilitation Well Rehabilitation Well Rehabilitation Well Rehabilitation Purchase new bal equipment Purchase new lab equipment Purchase new lab equipment Purchase new lab equipment Miscellancous Fencing and Security projects Miscellancous Fencing and Security projects			Future Financing Petition		\$ 36,000	Yes	Nashua	No	\$ 26.63	ş -	
Investment in developer installed services 1x annual revenue per tariff 2020 Nashua Curi Sewer Projects To be determined Booster Pump replacement/rebuild Booster Pump replacement/rebuild Well Pump replacements Well Pump replacements Chemical Feed pump replacements Chemical Feed pump replacements Stapph Pond Spillwar Improvements Stapph Pond Spillwar Improvements Stapph Pond Spillwar Improvements Miscellaroous Equipment Purchased Miscellaroous Equipment Purchased Miscellaroous Equipment Purchased Miscellaroous Equipment Purchased Miscellaroous SCADA/Isectrical Well Rehabilitation Well Rehabilitation Well Rehabilitation Well Rehabilitation Wird Reame Abilitation Purchase new lab equipment Purchase new lab equipment Purchase new lab equipment Miscellaroous Fencing and Security projects Miscellaroous Security projects			Future Financing Petition		\$ 30,000	Yes	Nashua	No	\$ 26.63	ş -	
2020 Nauhun Gity Sever Projects To be determined Booster Pump replacement/rebuild Booster Pump replacement/rebuild Weil Pump replacement/rebuild Woll Pump replacements Chemical Feed pump replacements Chemical Feed pump replacements Supply Pool Spillwav Improvements Supply Pool Spillwav Improvements Install/replace treatment systems in small CWS Install/replace treatment systems in small CWS Mise: Structural Improvements Mise: Annual Improvements Mise: Structural Improvements Mise: Annual Improvements Mise: Structural Improvements Mise: Annual Improvements Mise: Annual Improvements Mise: Annual Improvements Weil Rehabilitation Weil Rehabilitation WIP Structural/IWAC WTP Structural/IWAC Purchase new bacquipment Purchase new lab equipment Miseclancous Fencing and Security projects Miseclancous Fencing and Security projects Miselancous Fencing and Secur			Future Financing Petition		\$ 660,000	Yes	Amherst	Yes	\$ 26.63	\$ 17,576	
Booster Pump replacement/rebuild Booster Pump replacement/rebuild Well Pump replacements Well Pump replacements Chemical Feed pump replacements Chemical Feed pump replacements Stopph Pood Spillway Improvements Stopph Pood Spillway Improvements Install replace reatment systems in small CWS Install replace reatment systems in small CWS Miscell acous I squipment Purchased Miscellancous I squipment Purchased Miscellancous SCADA/Taleetrical Miscellancous SCADA/Taleetrical Well Rehabilitation Well Rehabilitation Well Rehabilitation Well Rehabilitation WIP Structural/HVAC WTP Structural/HVAC Purchase new lab equipment Purchase new lab equipment Miscellancous Fencing and Security projects Miscellancous Fencing and Security projects			Future Financing Petition		\$ 60,000	Yes	Various	Yes	\$ 27.02	\$ 1,621	
Well Pump redacements Well Pump redacements Chemical Feed pump replacements Chemical Feed pump replacements Supply Pool Spillway Improvements Supply Pool Spillway Improvements Install replace treatment systems in small CWS Install/replace treatment systems in small CWS Mise. Structural Improvements Mise. Structural Improvements Mise. Structural Improvements Mise. Structural Improvements Mise.Structural Improvements Mise.Structural Improvements Miselancous Equipment Purchased Miseelancous SCADA/Electrical Well Rehabilitation Well Rehabilitation WIP Structural/HVAC Wrll Partnet and Sequipment Purchase new lab equipment Purchase new lab equipment Miscellancous Fencing and Security projects Miscellancous Fencing and Security projects			Future Financing Petition		\$ 1,100,000	Yes	Nashua	Yes	\$ 26.63	\$ 29,293	
Chemical Feed pump replacements Chemical Feed pump replacements Supply Pond Spillway Improvements Supply Pond Spillway Improvements Install replace treatment systems in small CWS Install/replace treatment systems in small CWS Mise, Structural Improvements Mise, Structural Improvements Mise, Structural Improvements Mise, Structural Improvements Mise, International Improvements Mise, Structural Improvements Mise, Edincous SCADA/Fleetrical Mise, Edincous SCADA/Fleetrical Well Rehabilitation Well Rehabilitation WIP Structural/HVAC WTP Structural/HVAC Purchase new bla equipment Purchase new bla equipment Miscellancous Fencing and Security projects Miscellancous Fencing and Security projects			ure Financing Peti		\$ 55,000	Yes	Various	Yes	\$ 27.02	\$ 1,486	
Supply Pond Spillway Improvements Supply Pond Spillway Improvements Install/replace treatment systems in small CWS Install/replace treatment systems in small CWS Mise: Structural Improvements Mise: Structural Improvements Wise: Machabilitation Mise: Mise: Mise: SICADA/Electrical Well Rehabilitation Well Rehabilitation WTP Structural/IVAC WTP Structural/IVAC Purchase new lab equipment Purchase new lab equipment Miscellancous Fencing and Security projects Miscellancous Fencing and Security projects Replace Vehicle Replace Vehicle			ure Financing Peti		\$ 18,750	Yes	Various	Yes	\$ 27.02	\$ 507	
Install/replace treatment systems in small CWS Install/replace treatment systems in small CWS Misc. Functural Improvements Misc. Structural Improvements Miscellancous Equipment Purchased Miscellancous Equipment Purchased Miscellancous SCADA/Electrical Miscellancous SCADA/Electrical Well Rehabilitation Well Rehabilitation Well Rehabilitation Well Rehabilitation Purchase new bla equipment Purchase new bla equipment Purchase new bla equipment Purchase new bla equipment Miscellancous Fencing and Security projects Miscellancous Fencing and Security projects			ure Financing Peti		\$ 15,000	Yes	Various	Yes	\$ 27.02	\$ 405	
Misc. Structural Improvements Misc. Structural Improvements Miscellancous Equipment Purchased Miscellancous Equipment Purchased Miscellancous Equipment Purchased Miscellancous Ecuipment Purchased Well Rehabilitation Well Rehabilitation WTP Structural/HVAC WTP Structural/HVAC Purchase new lab equipment Purchase new lab equipment Miscellancous Fencing and Security projects Miscellancous Fencing and Security projects Replace Vehicle Replace Vehicle			ure Financing Peti		\$ 750,000	Yes	Merrimack/Nashua	Yes	\$ 27.55	\$ 20,663	
Miscellancous Equipment Purchased Miscellancous Equipment Purchased Miscellancous SCADA/Electrical Miscellancous SCADA/Electrical Well Rehabilitation Well Rehabilitation WTP Structural/IVAC WTP Structural/IVAC Purchase new bla equipment Purchase new bla equipment Purchase new bla equipment Purchase new bla equipment Miscellancous Fencing and Security projects Miscellancous Fencing and Security projects Replace Vehicle Replace Vehicle			ure Financing Peti		\$ 18,750	Yes	Various	Yes	\$ 27.02	\$ 507	
Miscellaneous SCADA/Electrical Miscellaneous SCADA/Electrical Well Rehabilitation Well Rehabilitation WTP Structural/HVAC WTP Structural/HVAC Purchase new lab equipment Purchase new lab equipment Miscellaneous Fencing and Security projects Miscellaneous Fencing and Security projects Replace Vehicle Replace Vehicle			ure Financing Peti		\$ 27,500	Yes	Various	Yes	\$ 27.02	\$ 743	
Well Rehabilitation Well Rehabilitation WTP Structural/HVAC WTP Structural/HVAC Purchase new bla equipment Purchase new bla equipment Miscellancous Fencing and Security projects Miscellancous Fencing and Security projects Replace Vehicle Replace Vehicle			ture Financing Peti ture Financing Peti		\$ 17,500 \$ 27,500	Yes	Various	Yes	\$ 27.02	\$ 473 \$ 743	
WTP Structural/HVAC WTP Structural/HVAC Purchase new lab equipment Purchase new lab equipment Miscellaneous Fencing and Security projects Miscellaneous Fencing and Security projects Replace Vehicle Replace Vehicle						Yes	Various	Yes	\$ 27.02		
Purchase new lab equipment Purchase new lab equipment Miscellancous Fencing and Security projects Miscellancous Fencing and Security projects Replace Vehicle Replace Vehicle		Future Financing Petition Future Financing Petition		\$ 40,000 \$ 7,500	Yes	Various Nashua	Yes	\$ 27.02 \$ 26.63	\$ 1,081		
Miscellaneous Fencing and Security projects Miscellaneous Fencing and Security projects Replace Vehicle Replace Vehicle						Yes	Nashua Nashua		\$ 26.63 \$ 26.63	\$ 200 \$ 399	
Replace Vehicle Replace Vehicle		Future Financing Petition Future Financing Petition		\$ 15,000 \$ 7,500	Yes		Yes		\$ 399 \$ 203		
		Future Financing Petition		\$ /,500 \$ 65,000	Yes	Various Nashua	Yes	\$ 27.02 \$ 26.63			
		Future Financing Petition		\$ 65,000 \$ 65,000	Yes	Nashua Nashua	No	\$ 26.63 \$ 26.63	o -		
Replace Vehicle Replace Vehicle		Future Financing Petition		\$ 65,000 \$ 40,000	Yes	Various	No	\$ 26.63 \$ 28.85	ə -		
Replace Vehicle Replace Vehicle		Future Financing Petition		\$ 40,000 \$ 40,000	Yes	Various Nashua	No	\$ 26.63	ə -		
Replace Vehicle Replace Vehicle Bowers Spillway Reconstruction NHDES Regulatory requirement		Future Financing Petition Future Financing Petition		\$ 40,000 \$ 1.100.000	Yes	Nashua Merrimack/Nashua	Yes	\$ 26.63 \$ 27.55	\$ - \$ 30,305		
Various IT initiatives Various IT initiatives	t	ru	0.1 DSRR		\$ 1,100,000	Yes	Nashua Nashua	1 cs	\$ 27.55 \$ 26.63	9 30,305 8	
Various 11 initiatives	Pennichuck Water Works				\$ 10,557,000	1.05	Projected Proper	- 10		\$ 257.759	

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

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

Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	2022 Approved Budgeted Amount, Revised to reflect 2020 QCPAC activity	QCPAC Eligible?	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since 2/9/2022
2022 New Services (10)	Single Family, Owner Build, New Homes		Fut	ure Financing Pet	ition	\$ 50,000	Yes	Various	Yes	\$ 27.02	\$ 1,351	
2022 Renewed Services (20)	Replacement of Failed Services		Fut	ure Financing Pet	ition	\$ 110,000	Yes	Various	Yes	\$ 27.02	\$ 2,972	
2022 Hydrants (10)	Replacement of non functional hydrants		Fut	ure Financing Pet	ition	\$ 60,000	Yes	Various	Yes	\$ 27.02	\$ 1.621	
2022 Gates (10)	Replacement of Failed Gate Valves		Fut	ure Financing Pet	ition	\$ 40,000	Yes	Various	Yes	\$ 27.02	\$ 1.081	
2022 Radios (4000)	Year 2 of 7 year replacement of all PWW radios (all initial radios installed in 2007)		Fut	ure Financing Pet	ition	\$ 520,000	Yes	Various	Yes	\$ 27.02	\$ 14,050	
2022 Meters (Growth) 5/8"-2" - Core & CWS	New meters for new customers (280). Replacement of failed meters (200)		Fut	ure Financing Pet	ition	\$ 50,000	Yes	Various	Yes	\$ 27.02	\$ 1,351	
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles		Fut	ure Financing Pet	ition	\$ 70,000	Yes	Merrimack	No	\$ 28.86	ş -	
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles		Fut	ure Financing Pet	ition	\$ 70,000	Yes	Merrimack	No	\$ 28.86	ş -	
Replacement Utility Van	New Utility Van to replace existing high mileage/maintenance vehicles		Fut	ure Financing Pet	ition	\$ 35,000	Yes	Merrimack	No	\$ 28.86	s -	
Protectus Meter Upgrade	Protectus Meter Upgrade			0.1 DSRR		\$ 22,000	Yes	Nashua	Yes	\$ 26.63	\$ 586	
Sargent Street	Replace 1900 LF 6 inch CI with 1900 LF 16 inch DIPCL		Fut	ure Financing Pet	ition	\$ 564,000	Yes	Nashua	Yes	\$ 26.63	\$ 15,019	Water main replacement deferred from 2021 to 2022
Courtland Street	Replace 1170 LF 4 inch CI with 1170 LF 16 inch DIPCL		Fut	ure Financing Pet	ition	\$ 347,000	Yes	Nashua	Yes	\$ 26.63	\$ 9,241	Water main replacement deferred from 2021 to 2022
Alld Street	Replace 1860 LF of 6 & 8 inch CI with 12 inch DIPCL			ure Financing Pet		\$ 870,000	Yes	Nashua	Yes	\$ 26.63	\$ 23,168	Water main replacement deferred from 2021 to 2022
Lawndale Avenue	Replace 1085 LF of 6 inch CI with 12 inch DIPCL			ure Financing Pet		\$ 492,000	Yes	Nashua	Yes	\$ 26.63	\$ 13,102	water main replacement detende nom 2021 to 2022
Linwood Street	Replace 960 LF of 6 inch CI with 8 inch DIPCL			ure Financing Pet		\$ 31,000	Yes	Nashua	Yes	\$ 26.63	\$ 826	
Balcom Street	Replace 1240 LF 6 inch CI with 1240 LF 8 inch DIPCL			ure Financing Pet		\$ 40,000	Yes	Nashua	Yes	\$ 26.63	\$ 1,065	
Euclid Avenue	Replace 425 LF 6 inch CI with 425LF 8 inch DIPCL		Fut	ure Financing Pet	ition	\$ 14,000	Yes	Nashua	Yes	\$ 26.63	\$ 373	
Fairview Street	Replace 800 LF 6 inch CI with 800 LF 8 inch DIPCL		Fut	ure Financing Pet	ition	\$ 26,000	Yes	Nashua	Yes	\$ 26.63	\$ 692	
Sargent Street	Replace 1900 LF 6 inch CI with 1900 LF 16 inch DIPCL		Fut	ure Financing Pet	ition	\$ 62,000	Yes	Nashua	Yes	\$ 26.63	\$ 1,651	
Courtland Street	Replace 1170 LF 4 inch CI with 1170 LF 16 inch DIPCL		Fut	ure Financing Pet	ition	\$ 38,000	Yes	Nashua	Yes	\$ 26.63	\$ 1,012	
Alld Street	Replace 1860 LF of 6 & 8 inch CI with 12 inch DIPCL			ure Financing Pet		\$ 96,000	Yes	Nashua	Yes	\$ 26.63	\$ 2,556	
Lawndale Avenue	Replace 1085 LF of 6 inch CI with 12 inch DIPCL			ure Financing Pet		\$ 54,000	Yes	Nashua	Yes	\$ 26.63	\$ 1,438	
Temple St (south to gorman)	Replace 900 LF of 8 inch CI with 12 inch DIPCL		Fut	ure Financing Pet	ition	\$ 45,000	Yes	Nashua	Yes	\$ 26.63	\$ 1,198	
School Street (High to W. Pearl Alleyway)	Replace 400 LF of 4 inch CI with 8 inch DIPCL		Fut	ure Financing Pet	ition	\$ 15,000	Yes	Nashua	Yes	\$ 26.63	\$ 399	
2020 Nashua City Sewer Projects	Residual Paving Contribution for work complete in 2020			ure Financing Pet		\$ 200,000	Yes	Nashua	Yes	\$ 26.63	\$ 5,326	
Benson Avenue	Replace 550 LF of 4 inch CI with 8 inch DIPCL			ure Financing Pet		\$ 189,000	Yes	Nashua	Yes	\$ 26.63	\$ 5,033	
Spaulding Street	Replace 950 LF of 6 inch CI with 8 inch DIPCL		Fut	ure Financing Pet	ition	\$ 325,000	Yes	Nashua	Yes	\$ 26.63	\$ 8,655	
Alstead Avenue	Replace 240 LF of 4 inch CI with 4 inch DIPCL			ure Financing Pet		\$ 72,000	Yes	Nashua	Yes	\$ 26.63	\$ 1,917	
Spaulding Avenue	Replace 430 LF of 6, 2, & 1.25 inch CI with 4 inch DIPCL			ure Financing Pet		\$ 93,000	Yes	Nashua	Yes	\$ 26.63	\$ 2,477	
St Lazare Street	Replace 415 LF of 2 inch CI with 4 inch DIPCL			ure Financing Pet		\$ 90,000	Yes	Nashua	Yes	\$ 26.63	\$ 2,397	
Ingalls St (St Camille to end)	Replace 200 LF of 1.5 inch CI with 4 inch DIPCL			ure Financing Pet		\$ 43,000	Yes	Nashua	Yes	\$ 26.63	\$ 1,145	
Nye Avenues	Replace 400 LF of 2 & 1.5 inch CI with 4 inch DIPCL			ure Financing Pet		\$ 86,000	Yes	Nashua	Yes	\$ 26.63	\$ 2,290	
Copp Street	Replace 350 LF of 6 inch CI with 8 inch DIPCL			ure Financing Pet		\$ 122,000	Yes	Nashua	Yes	\$ 26.63	\$ 3,249	
Gray Avenue	Replace 360 LF of 6 inch CI with 6 inch DIPCL			ure Financing Pet		\$ 100,000	Yes	Nashua	Yes	\$ 26.63	\$ 2,663	
Coburn Woods (all side streets)	Replace 4400 LF of 2 inch PVC with 4 inch DIPCL			ure Financing Pet		\$ 1,188,000	Yes	Nashua	Yes	\$ 26.63	\$ 31,636	
City Sewer Projects	Replace CI with DICLP			ure Financing Pet		\$ 1,100,000	Yes	Nashua	Yes	\$ 26.63	\$ 29,293	
Sawyer Street	Replace 1600 LF of 6 inch CI with 12 inch DIPCL			ure Financing Pet		\$ 475,000	Yes	Nashua	Yes	\$ 26.63	\$ 12,649	
Woodward Street	Replace 360 LF 8 inch CI with 470 LF 8 inch DIPCL			ure Financing Pet		\$ 139,000	Yes	Nashua	Yes	\$ 26.63	\$ 3,702	
Blosson Street	Replace 2400 LF of 6 inch CI and 8 inch CI with 2400 LF of 8 inch DIPCL			ure Financing Pet		\$ 712,000	Yes	Nashua	Yes	\$ 26.63	\$ 18,961	
Investment in developer installed services	1x annual revenue per tariff			ure Financing Pet		\$ 60,000	Yes	Various	Yes	\$ 27.02	\$ 1,621	
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild			ure Financing Pet		\$ 55,000	Yes	Various	Yes	\$ 27.02	\$ 1,486	
Well Pump replacements	Well Pump replacements			ure Financing Pet		\$ 18,750	Yes	Various	Yes	\$ 27.02	\$ 507	
Chemical Feed pump replacements	Chemical Feed pump replacements			ure Financing Pet		\$ 15,000	Yes	Various	Yes	\$ 27.02	\$ 405	
Install/replace treatment systems in small CWS	Install/replace treatment systems in small CWS			ure Financing Pet		\$ 15,000	Yes	Various	Yes	\$ 27.02	\$ 405	
Misc. Structural Improvements	Misc. Structural Improvements			ure Financing Pet		\$ 20,000	Yes	Various	Yes	\$ 27.02	\$ 540	
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased			ure Financing Pet		\$ 20,000	Yes	Various	Yes	\$ 27.02	\$ 540	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical			ure Financing Pet		\$ 30,000	Yes	Various	Yes	\$ 27.02	\$ 811	
Well Rehabilitation	Well Rehabilitation			ure Financing Pet		\$ 50,000	Yes	Various	Yes	\$ 27.02	\$ 1,351	
WTP Structural/HVAC	WTP Structural/HVAC			ure Financing Pet		\$ 10,000	Yes	Nashua	Yes	\$ 26.63	\$ 266	
Purchase new lab equipment	Purchase new lab equipment			ure Financing Pet		\$ 20,000	Yes	Nashua	No	\$ 26.63	ş -	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects			ure Financing Pet		\$ 10,000	Yes	Various	Yes	\$ 27.02	\$ 270	
Replace Vehicle	Replace Vehicle			ure Financing Pet		\$ 65,000	Yes	Nashua	No	\$ 26.63	ş -	
Replace Vehicle	Replace Vehicle			ure Financing Pet		\$ 65,000	Yes	Nashua	No	\$ 26.63	ş -	
Replace Vehicle	Replace Vehicle			ure Financing Pet		\$ 40,000	Yes	Nashua	No	\$ 26.63	<u>s</u> -	
Replace Vehicle	Replace Vehicle		Fut	ure Financing Pet	nuon	\$ 40,000	Yes	Nashua	No	\$ 26.63	ş -	
Various IT initiatives	Various IT initiatives	1		0.1 DSRR		\$ 400,000 \$ 9,588,750	Yes	Nashua	No	\$ 26.63	ş -	

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

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