Project Name/Description	Project Description	Financing Work Order # Docket No.	NHPUC Order No.	Date of NHPUC Order	2022 Approved Budgeted Amount, Revised to reflect 2020 QCPAC activity	QCPAC Eligible?	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since 2/9/2020
2022 New Services (10)	Single Family, Owner Build, New Homes	Fu	ture Financing Pet	ition	\$ 50,000	Yes	Various	Yes	\$ 27.02	\$ 1,351	
2022 Renewed Services (20)	Replacement of Failed Services	Fu	ture Financing Pet	ition	\$ 110,000	Yes	Various	Yes	\$ 27.02	\$ 2,972	
2022 Hydrants (10)	Replacement of non-functional hydrants	Fu	ture Financing Pet	ition	\$ 60,000	Yes	Various	Yes	\$ 27.02	\$ 1,621	
2022 Gates (10)	Replacement of Failed Gate Valves	Fu	ture 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).	Fu	ture 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).	Fu	ture 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.	Fu	ture Financing Pet	ition	\$ 70,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles.	Fu	ture Financing Pet	ition	\$ 70,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Replacement Utility Van	New Utility Van to replace existing high mileage/maintenance vehicles.	Fu	ture Financing Pet	ition	\$ 35,000	Yes	Merrimack	No	\$ 28.86	\$ -	
Protectus Meter Upgrade	Protectus Meter Upgrade		0.1 DSRR	1	\$ 22,000	Yes	Nashua	Yes	\$ 26.63	\$ 586	
Sargent Street	Replace 1900 LF 6 inch CI with 1900 LF 16 inch DIPCL.	Fu	ture 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.	Fu	ture 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.	Fu	ture Financing Pet	ition	\$ 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.	Fu	ture Financing Pet	ition	\$ 492,000	Yes	Nashua	Yes	\$ 26.63	\$ 13,102	Water main replacement deferred from 2021 to 2022
Linwood Street	Replace 960 LF of 6 inch CI with 8 inch DIPCL.	Fu	ture Financing Pet	ition	\$ 31,000	Yes	Nashua	Yes	\$ 26.63		
Balcom Street	Replace 1240 LF 6 inch CI with 1240 LF 8 inch DIPCL.	Fu	ture Financing Pet	ition	\$ 40,000	Yes	Nashua	Yes	\$ 26.63	\$ 1,065	
Euclid Avenue	Replace 425 LF 6 inch CI with 425 LF 8 inch DIPCL.	Fu	ture Financing Pet	ition	\$ 14,000	Yes	Nashua	Yes	\$ 26.63		
Fairview Street	Replace 800 LF 6 inch CI with 800 LF 8 inch DIPCL.	Fu	ture Financing Pet	ition	\$ 26,000	Yes	Nashua	Yes	\$ 26.63		
Sargent Street	Replace 1900 LF 6 inch CI with 1900 LF 16 inch DIPCL.	Fu	ture Financing Pet	ition	\$ 62,000	Yes	Nashua	Yes	\$ 26.63		
Courtland Street	Replace 1170 LF 4 inch CI with 1170 LF 16 inch DIPCL.		ture Financing Pet		\$ 38,000	Yes	Nashua	Yes	\$ 26.63		
Alld Street	Replace 1860 LF of 6 & 8 inch CI with 12 inch DIPCL.		ture Financing Pet		\$ 96,000	Yes	Nashua	Yes	\$ 26.63		
Lawndale Avenue	Replace 1085 LF of 6 inch CI with 12 inch DIPCL.	Fu	ture Financing Pet	ition	\$ 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.	Fu	ture Financing Pet	ition	\$ 45,000	Yes	Nashua	Yes	\$ 26.63		
School Street (High to W. Pearl Alleyway)	Replace 400 LF of 4 inch CI with 8 inch DIPCL.		ture Financing Pet		\$ 15,000	Yes	Nashua	Yes	\$ 26.63		
2020 Nashua City Sewer Projects	Residual Paving Contribution for work complete in 2020.		ture Financing Pet		\$ 200,000	Yes	Nashua	Yes	\$ 26.63	\$ 5,326	
Benson Avenue	Replace 550 LF of 4 inch CI with 8 inch DIPCL.		ture Financing Pet		\$ 189,000	Yes	Nashua	Yes	\$ 26.63		
Spaulding Street	Replace 950 LF of 6 inch CI with 8 inch DIPCL.		ture Financing Pet		\$ 325,000	Yes	Nashua	Yes	\$ 26.63	. ,	
Alstead Avenue	Replace 240 LF of 4 inch CI with 4 inch DIPCL.		ture 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.		ture Financing Pet		\$ 93,000	Yes	Nashua	Yes	\$ 26.63		
St Lazare Street	Replace 415 LF of 2 inch CI with 4 inch DIPCL.		ture Financing Pet		\$ 90,000	Yes	Nashua	Yes	\$ 26.63		
Ingalls St (St Camille to end)	Replace 200 LF of 1.5 inch CI with 4 inch DIPCL.		ture Financing Pet		\$ 43,000	Yes	Nashua	Yes	\$ 26.63		
Nye Avenues	Replace 400 LF of 2 & 1.5 inch CI with 4 inch DIPCL.		ture Financing Pet		\$ 86,000	Yes	Nashua	Yes	\$ 26.63		
Copp Street	Replace 350 LF of 6 inch CI with 8 inch DIPCL.		ture Financing Pet		\$ 122,000	Yes	Nashua	Yes	\$ 26.63		
Gray Avenue	Replace 360 LF of 6 inch CI with 6 inch DIPCL.		ture Financing Pet		\$ 100,000	Yes	Nashua	Yes	\$ 26.63		
Coburn Woods (all side streets)	Replace 4400 LF of 2 inch PVC with 4 inch DIPCL.		ture Financing Pet		\$ 1,188,000	Yes	Nashua	Yes	\$ 26.63		
City Sewer Projects	Replace CI with DICLP.		ture Financing Pet		\$ 1,100,000	Yes	Nashua	Yes	\$ 26.63		
Sawyer Street	Replace 1600 LF of 6 inch CI with 12 inch DIPCL.		ture Financing Pet ture Financing Pet		\$ 475,000 \$ 139,000	Yes	Nashua	Yes	\$ 26.63		
Woodward Street	Replace 360 LF 8 inch CI with 470 LF 8 inch DIPCL.		0			Yes	Nashua	Yes	\$ 26.63 \$ 26.63		
Blosson Street	Replace 2400 LF of 6 inch CI and 8 inch CI with 2400 LF of 8 inch DIPCL.		ture Financing Pet ture Financing Pet		\$ 712,000 \$ 60,000	Yes	Nashua	Yes	\$ 20.03 \$ 27.02	\$ 18,961 \$ 1,621	
Investment in developer installed services Booster Pump replacement/rebuild	1x annual revenue per tariff. Booster Pump replacement/rebuild		ture Financing Pet		\$ 60,000 \$ 55,000	Yes Yes	Various Various	Yes Yes	\$ 27.02 \$ 27.02		
Well Pump replacements	Well Pump replacements		ture Financing Pet		\$ 35,000 \$ 18,750	Yes	Various	Yes	\$ 27.02		
Chemical Feed pump replacements	Chemical Feed pump replacements		ture Financing Pet		\$ 15,000	Yes	Various	Yes	\$ 27.02		
Install/replace treatment systems in small CWS	Install/replace treatment systems in small CWS.		ture Financing Pet		\$ 15,000	Yes	Various	Yes	\$ 27.02		
Misc. Structural Improvements	Misc. Structural Improvements		ture Financing Pet		\$ 20,000	Yes	Various	Yes	\$ 27.02 \$ 27.02		
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased		ture Financing Pet		\$ 20,000 \$ 20,000	Yes	Various	Yes	\$ 27.02		
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		ture Financing Pet		\$ 20,000 \$ 30,000	Yes	Various	Yes	\$ 27.02		
Well Rehabilitation	Well Rehabilitation		ture Financing Pet		\$ 50,000 \$ 50,000	Yes	Various	Yes	\$ 27.02		
WTP Structural/HVAC	WTP Structural/HVAC		ture Financing Pet		\$ 50,000 \$ 10,000	Yes	Nashua	Yes	\$ 26.63		
Purchase new lab equipment	Purchase new lab equipment		ture Financing Pet		\$ 20,000	Yes	Nashua	No	\$ 26.63		
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects		ture Financing Pet		\$ 20,000 \$ 10,000	Yes	Various	Yes	\$ 20.03		
Replace Vehicle	Replace Vehicle		ture Financing Pet		\$ 65,000	Yes	Nashua	No	\$ 26.63		
Replace Vehicle	Replace Vehicle		ture Financing Pet		\$ 65.000	Yes	Nashua	No	\$ 26.63		
Replace Vehicle	Replace Vehicle		ture Financing Pet		\$ 40,000	Yes	Nashua	No	\$ 26.63		
Replace Vehicle	Replace Vehicle		ture Financing Pet		\$ 40,000	Yes	Nashua	No	\$ 26.63	1	
Various IT intiatives	Various IT intiatives	10	0.1 DSRR		\$ 400,000	Yes	Nashua	No	\$ 26.63		
		1				- 00		- 10	# 20.00	π.	

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.

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 9/30/2020 Update including reconcilation to approved DW19-084 Revenues

		19-084 PWW ved Revenues		CPAC For 2019 pital Additions pro formas			QCPAC Surchar for 2019 Capita Additions	,	Capita	C For 2020 Additions formas		-	PAC Surcharge r 2020 Capital Additions		Capita	AC For 2021 al Additions o formas
City Bond Fixed Revenue Requirement (CBFRR)	\$	7,729,032		\$ -		ş	\$ 7,729,0	32	\$	-		\$	7,729,032		\$	-
Operating Expense Revenue Requirement	\$	21,296,618	(1)	\$ 416,593	(4)	\$	\$ 21,713,2	11	\$	156,416	(4)	\$	21,869,627	(4)	\$	257,759
Annual Principal and Interest Payments	\$	6,176,477	(2)	\$ 867,226	(5)	Ş	\$ 7,043,7	03	\$	398,728		\$	7,442,431		\$	659,296
Principal and Interest Coverage Requirement		1.10	(3)				1.	10					1.10			
Principal and Interest Revenue Requirement	\$	6,794,124				\$	\$ 7,748,0	73				\$	8,186,674			
Proposed Revenue Requirement w/out special contract revenues	\$	34,792,618	(8)			\$	\$ 36,163,1	60 (8)				\$	36,758,177	(8)		
Current Water Revenues excluding CBFRR	—					\$	\$ 28,434,1	29				\$	29,029,146			
Add: City Bond Fixed Revenue Requirement						\$	\$ 7,729,0	32				\$	7,729,032			
Current Water Revenues with CBFRR						\$	\$ 36,163,1	60				\$	36,758,177			
Percent QCPAC Surcharge (9)							3.9	4%					1.71%			
Cumulative QCPAC Surcharge (13)							3.9	4%					5.65%			
Cumulative QCPAC monthly increase in average single family residential bill						\$	\$ 2.	17				\$	3.11			
Average monthly single family residential bill with QCPAC	\$	55.02				\$	\$ 57.	19				\$	58.13			

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

(6) QCPAC Principal and Interest expenses are based on 30 year bond with interest rate of 5.00% for 2020 through 2022 Capital Expenditures unless funding is via an SRF/DWGTF financing. (7) QCPAC percent revenue surcharges based on increase in revenues from the revenues requested in DW19-084.

(8) Reduction in revenues associated with fixed contracts as follows:Hudson Annual Fixed Chg\$ 32,800Milford Annual Fixed Chg\$ 81,000A-B Annual Fixed Chg\$ 371,430(9) QCPAC Principal and Interest expenses for DWGTF financing are based on a30 year bond with interest rate of3.38%3.38%3.38%

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

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

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

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

for	AC Surcharge 2021 Capital Additions	Capit	AC For 2022 al Additions o formas	for	AC Surcharge 2022 Capital Additions
\$	7,729,032			\$	7,729,032
\$	22,127,387	\$	234,350	\$	22,361,736
\$	8,101,727	\$	596,310	\$	8,698,038
	1.10				1.10
\$	8,911,900			\$	9,567,841
\$	37,741,163			\$	38,631,454
\$	30,012,131			\$	30,902,422
\$	7,729,032			\$	7,729,032
\$	37,741,163			\$	38,631,454
	2.83%				2.56%
	8.47%				11.03%
\$	4.66			\$	6.31
\$	59.68			\$	61.33

that was not requested for recovery in DW19-084.

4.261869%

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

															QCPAC	
												Final QCPAC			Eligible Property Tax	
							Board Approved		Estimated Project		Estimated Project	eligible Project			Expense	
Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Board Approved 2019 Capex Budget	2019 Capex Budget Revised 8/24/19	t, Eligible for 2020 QCPAC Surcharge		Estimated Project st as of 9/30/2019	Cost as of 11/30/2019	Costs as of 12/31/2019 Community	Taxable	Tax Rate (1)	(Based on Qrtly Update	Explanation for Change/Addition/Deletion since Petition Filing
New Services (10)	Single Family, Owner Build, New Homes	20 workorders	DW17-183	26,101	2/2/2018	\$ 46,000	\$ 46,000	Yes	\$ 46,000 \$	36,000	\$ 58,000	\$ 69,936 Various	Yes	\$ 27.02		12 installed through 12/31.
Renewed Services (20) Hydrants (10)	Replacement of failed services Replacement of non-functional hydrants	21, 22 & 23 workorders 30 & 31 workorders	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018				\$ 92,000 \$ \$ 50,000 \$	96,000 36,000		\$ 101,648 Various \$ 40,209 Various	Yes Yes	\$ 27.02 \$ 27.02		2 9 installed through 12/31. 7 installed through 12/31
Gates (10)	Replacement of Failed Gate Valves	12 & 13 workorders		26,101	2/2/2018	ę			\$ 50,000 \$ \$ 40,000 \$	12,000		\$ 40,209 Various \$ 10,573 Various	Yes	\$ 27.02 \$ 27.02	· · · · · · · · · · · · · · · · · · ·	4 installed through 12/31.
Radios (2750)	Replace out of warrantee failed radio meter readers	54 workorders	DW17-183	26,101	2/2/2018 2/2/2018				\$ 30,000 \$	42,500	\$ 48,000	\$ 48,942 Various	Yes	\$ 27.02		2 Deferred Radio Replacement program (Radios are 12 years old). 495 replaced through 12/31.
Meters (Growth) 5/8"-2" - Core & CWS (480) Meters 5/8"-6" Lead Meter Exchange - Core & CWS (3000)	Meters (Growth) 5/8"-2" - Core & CWS (480) Meters 5/8"-6" Lead Meter Exchange - Core & CWS (3000)	50 workorders 50 workorders	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018	÷ 10,000		105	\$ 48,000 \$ 300,000	240,000	\$ 200,000	\$ 207,025 Various Various	Yes	\$ 27.02 \$ 27.02	\$ 5,594	1732 installed/repalced through 12/31.
Entrance Security Gate & Perimeter Fence	Entrance Security Gate & Perimeter Fence	1901598	DW17-183	26,101	2/2/2018	\$ 75,000	\$ 75,000	Yes	\$ 75,000 \$	75,000	*	\$ 66,204 Merrimack	Yes	\$ 28.86		
Replace 13 yr Vac Trailer - Safety & Maint issue Protectus Meter Upgrade	Replace 13 yr Vac Trailer - Safety & Maint issue Spitbrook Rd Protectus Meter Upgrade	1917721 n/a	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018	• ••••••		Yes Yes	\$ - \$ \$ 21,000 \$	- 21.000	\$ 29,710 \$	\$ 29,710 Merrimack \$ - Nashua	Yes Yes	\$ 28.86 \$ 26.23		7 Then Company was leasing a vac machine for 2019. It was decided to buy out the lease. Deferred until 2020
Pipe Freeze Kits (2)	RoFrost Turbo 2 Electric Pipe Freeze Kts	1915135	DW17-183	26,101	2/2/2018		\$ 7,400		\$ 7,400 \$	7,400		\$ 6,970 Nashua	No	\$ 26.23		Existing Freeze kits have failed and not repairable, 15+ years old.
Plate Compactors (4)	Replacement of failed compactors unable to obtain repair parts	1918551	DW17-183 0.1 DSRR	26,101	2/2/2018	s -	\$ 17,500 \$ 2,700		\$ 17,500 \$ \$ 2,700 \$	17,500 2,700		\$ 15,888 Nashua \$ 2,597 Merrimack	No	\$ 26.23 \$ 29.96		Existing units have failed and parts for repair are not available. Existing steel sander rusted through and was replaced with new sander.
Network Digital Display for Distribution Department Poly-Caster Sander	Relocate & network display to Assignment room & new 75" display in Conference Rm Poly-Caster Sander	1917719 1917720	DW17-183	26,101	2/2/2018		\$ 2,/00	No Yes	\$ 2,700 \$	2,700	\$ 2,597 \$ 7,460	\$ 2,597 Merrimack \$ 7,460 Merrimack		\$ 28.86 \$ 28.86		Existing steel sander rusted through and was replaced with new sander.
2018 Dodge Ram 2500 (#313)	Carryover Costs to 2018 projects not recovered in prior QCPAC	1907613	0.1 DSRR			ş -	\$ 1,969	No	\$ 1,969 \$	1,969		\$ 1,969 Merrimack	No	\$ 28.86	ş -	
2018 Dodge Ram 2500 (#314) 2018 Dodge Ram 2500 (#315)	Carryover Costs to 2018 projects not recovered in prior QCPAC Carryover Costs to 2018 projects not recovered in prior QCPAC	1907612 1907615	0.1 DSRR 0.1 DSRR			s -	\$ 1,969 \$ 2,542	- 10	\$ 1,969 \$ \$ 2,542 \$	1,969 2,542		\$ 1,969 Merrimack \$ 2,542 Merrimack		\$ 28.86 \$ 28.86		
2018 Dodge Ram Promaster 1500 Cargo Van (#347)	Carryover Costs to 2018 projects not recovered in prior QCPAC	1907987	0.1 DSRR			s -	\$ 1,060	No	\$ 1,060 \$	1,060	\$ 1,060	\$ 1,060 Merrimack	No	\$ 28.86	ş -	
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		\$ 1,060 \$ \$ 1,060 \$	1,060 1,060		\$ 1,060 Merrimack \$ 1,060 Merrimack		\$ 28.86 \$ 28.86		
Meter Data Logging Equipment	Carryover Costs to 2016 projects not recovered in prior QCPAC	1907885	0.1 DSRR			ş -	\$ 2,849		\$ 2,849 \$	2,849		\$ 2,850 Various		\$ 27.02		7 Equipment used in leak detection.
Gilman Street	Replace 1470 LF of 8 inch CI with 12 inch DIPCL	1607377, 1702856, 1806433, 1901176	DW17-183	26,101	2/2/2018	\$ 550,000	\$ 615,000	Yes	\$ 615,000 \$	718,063	\$ 661,000	\$ 661,270 Nashua	Yes	\$ 26.23	\$ 17.34	Pavement contribution to the City of Nashua paid in 2018 (\$127,264).
		1806433, 1901176 1702871, 1812907,			- /- /						-				\$ 17,345	
Elm Street	Replace 875 LF of 6 inch CI with 12 inch DIPCL	1901599	DW17-183	26,101	2/2/2018	\$ 559,350	\$ 255,000	Yes	\$ 255,000 \$	378,600	\$ 378,600	\$ 373,328 Nashua	Yes	\$ 26.23	\$ 9,792	Pavement contribution to City of Nashua of \$67,650 included.
Monroe Street	Replace 310 LF of 4 inch CI with 8 inch DIPCL	1702866, 1812908, 1901602	DW17-183	26,101	2/2/2018	\$ 122,270	\$ 120,000	Yes	\$ 120,000 \$	174,926	\$ 105,000	\$ 97,541 Nashua	Yes	\$ 26.23	\$ 2.55	Pavement contribution to City of Nashua of \$18,000 included.
	Replace 74 LF of 8" CIP with 8 inch DIPCL and reconnect City Hall Fire serviced missed during		1	1				1	1				1		2,00	Connecting Nashua City Hall sprinkler connection that was missed during the Elm St project. Also
Garden Street	Elm St work	1918487	DW17-183	26,101	2/2/2018	s -	s -	Yes	\$ - \$	-	\$ 97,000	\$ 61,918 Nashua	Yes	\$ 26.23	e	replaces a portion of the Garden Street water main. Per City almost all work had to be performed on
W/Deed Course		1702869, 1812909,	DW/17 102	26.101	2/2/2010	e 100.000	e 10000		e 110.000 -	224.46	e 177.000	e 170.120 N. I	XZ	e 01.55	3 1,624 4	Sunday nights. Final paving in Spring 2020 \$18,000 not included.
W.Pearl Street	Replace 340 LF of 8" CIP with 120 LF of 12" DIPCL and 220 LF of 8" DIPCL	1901603	DW17-183	26,101	2/2/2018	\$ 138,050			\$ 140,000 \$	224,486	\$ 175,000	\$ 178,120 Nashua	Yes	\$ 26.23	\$ 4,672	Pavement contribution to City of Nashua of \$27,200 included.
Harvard Street West Hollis Street Check Valve Pit	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 DW17-183	26,101 26,101	2/2/2018 2/2/2018	\$ 247,500 \$ 88,000		Yes	\$ 249,200 \$ \$	249,200	\$ 260,000 \$	\$ 259,668 Nashua Nashua	Yes Yes	\$ 26.23 \$ 26.23		Pavement contribution to City of Nashua of \$38,000 included. Deferred to future year to accommodate additional water main projects.
	Add 2700 LF of 24 inch DIPCL on Manchester St.	1806805, 1900422	Dw1/-105	20,101	2/2/2010	\$ 660,000			\$ 660,000 \$	730,000	\$ 650,000				÷ -	Added security fence replacement (1,700 LF) along Manchester Street - some work will carry over into
NWS Improvements - Manchester Street													Yes	\$ 26.23	÷	2 2020 included.
NWS Improvements - Route 101A and Route 121 (Amherst)	Add 2200 LF of 12 inch DIPCL to close loop	1806810, 1901607 1702835, 1806434,	DWGTF			\$ 550,000	\$ 550,000	Yes	\$ 550,000 \$	550,000	\$ 694,000	\$ 548,252 Nashua	Yes	\$ 26.23	\$ 14,381	Adjusted cost based on final installed materials in 2020 - some work will carry over into 2020.
NWS Improvements - Tinker Road	Replace 825 LF of 16 inch AC with 825 LF of 24 inch DIPCL	1900421	Financing DW18-133	26,197	12/3/2018	\$ 522,500	\$ 522,500	Yes	\$ 522,500 \$	526,000	\$ 490,000	\$ 369,378 Nashua	Yes	\$ 26.23	\$ 9,689	
NWS Improvements - Deerwood Drive & Amherst St. Intersection NWS Improvements - Deerwood Dr. Northwest Blvd Loop	Replace 1300 LF of 12 inch AC with 1300 LF of 24 inch DIPCL Add 3400 LF of 20 inch HDPE including RR pipe jacking	1806808, 1901609 1806806, 1901610	-			\$ 467,500 \$ 635,800			\$ 467,500 \$ \$ 635,800 \$	480,000 655,000		\$ 158,469 Nashua \$ 1,302,871 Nashua		\$ 26.23 \$ 26.23	\$ 4,157	Adjusted cost based on final installed materials in 2020 - some work will carry over into 2022.
NWS Improvements - Deerwood Dr. Northwest Bivd Loop NWS Improvements - Ponemah Rd/Route 101A Loop	Add 2400 LF of 20 inch FIDPE including KK pipe Jacking Add 2200 LF of 12 inch DIPCL to close two loop major dead ends	1901611				\$ 0.55,800 \$ 484,000			\$ 055,800 \$ \$ 484,000 \$		\$ 1,558,000 \$ -	\$ 1,502,671 Nashua \$ - Nashua		\$ 26.23	\$ 54,1/4	Adjusted cost based on final installed materials in 2020 - some work will carry over into 2023. Project cancelled and replaced with piping in projects above.
NWS Improvements - Engineering Design and Inspection	Engineering and Inspection of NW System watermain improvements		0.1 DSRR			Incuded in NWS	Incuded in NWS	No	s - s	-	ş -	\$ 174,347 Nashua	Yes	\$ 26.23	\$ 4,573	3
City of Nashua Sewer - Chase Street	Replace 470 LF of 6 inch CIP with 470 LF of 6 inch DIPCL	1829925 1900484	DW17-183	26,101	2/2/2018	Improvemts above \$ 176,000	S 190.000	Yes	\$ 190.000 \$	174.882	\$ 175.400	\$ 175,370 Nashua	Yes	\$ 26.23		Project Complete
City of Nashua Sewer - Ash Street	Replace 710 LF of 6 inch CIP with 710 LF of 12 inch DIPCL	1814367, 1915975	DW17-183	26,101	2/2/2018	\$ 242,000	\$ 162,800		\$ 162,800 \$	225,666	+	\$ 156,252 Nashua	Yes	\$ 26.23	\$ 4,098	Pavement contribution to City of Nashua of \$20,832 included.
City of Nashua Sewer - Lake Street	Replace 2950 LF of 6 inch CI with 12 inch DIPCL	1814740, 1915976 1915860	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018	\$ 990,000	\$ 1,710,500 \$ 16,750		\$ 1,890,050 \$ \$ 16,750 \$	1,780,000	-,0-0,000	\$ 1,608,850 Nashua \$ 17,400 Nashua	Yes	\$ 26.23 \$ 26.23		Pavement contribution to City of Nashua of \$344,000 included.
City of Nashua Paving - Vilna St. Interconnection to BWC	Replace 15 LF of 1.5 inch steel with 2 inch HDPE for paving program Carryover Costs to 2018 projects not recovered in prior QCPAC	1915800	0.1 DSRR	20,101	2/2/2018	ş -	\$ 3,400		\$ 16,750 \$ \$ 3,400 \$	20,566 3,400		\$ - Nashua	Yes	\$ 26.23	\$ 450	5 Includes final paving - complete. Carry over costs from project completed in 2018, pay for with 0.1 DSRR.
Woodward Avenue	Carryover Costs to 2018 projects not recovered in prior QCPAC	1910117	0.1 DSRR			ş -	\$ 2,200		\$ 2,200 \$	2,640		\$ - Nashua	Yes	\$ 26.23 © 26.23	ş -	Carry over costs from project completed in 2018, pay for with 0.1 DSRR.
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	- 10	\$ 6,890 \$ \$ 20,209 \$	10,000 24.250		\$ - Nashua \$ 20,209 Nashua	Yes	\$ 26.23 \$ 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.
Taylor Street	Carryover Costs to 2018 projects not recovered in prior QCPAC	1906988	0.1 DSRR			ş -	\$ 233		\$ 233 \$	233		\$ 233 Nashua	Yes	\$ 26.23		5 Carry over costs from project completed in 2018, pay for with 0.1 DSRR.
Shakespeare HP System Exp City of Nashua Paving - Mill St.	Carryover Costs to 2018 projects not recovered in prior QCPAC Abandon 1.5" Steel water main and switch customers over to parrallel 8" water main	1901942 1915006	0.1 DSRR 0.1 DSRR			\$ - \$	\$ 257 \$ 17,900	- 10	\$ 257 \$ \$ 17,900 \$	257 18.261	Ŧ = === :	\$ 257 Nashua \$ 17.321 Nashua	Yes	\$ 26.23 \$ 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.
	Replace 35 ft of 1" copper water main crossing Canal St with a 4" DIPCL Water Main	1908316	DW17-183	26,101	2/2/2018		\$ 58,580		\$ 58,580 \$	58,580	\$ 58,580	\$ 51,988 Nashua	Yes	\$ 26.23	ş -	Ferryalls was replaced last year to the limit of Canal St - complete this is phase 2 extending into Canal St -
City of Nashua Paving - Ferryalls Ct						ə -	\$ 95.000			-					\$ 1,364	
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	100	\$ 95,000 \$ \$ 13,000 \$	94,800 13,500	-	\$ 79,258 Nashua \$ 6,549 Nashua	Yes	\$ 26.23 \$ 26.23	\$ 2,079 \$ 172	Includes final paving - complete. S6.240 of this will be recovered from Liberty Gas.
City of Nashua Paving - Cheshire St - Final Cleanup	Fence repair and site clean up	1908353	DW17-183	26,101	2/2/2018		\$ 1,400		\$ 1,400 \$	1,400	\$ 1,400	\$ 486 Nashua	Yes	\$ 26.23	÷	Completion of 2018 Workorder Project.
City of Nashua - Simon St at Will St Upgrade City of Nashua Paving - Main St.	Abandon pump station pit and clean up intersection pipe work for improved flows Main St final paving at intersection with Factory St. Carry over from 2018	1915974 1900348 1915859	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018		\$ 215,100 \$ 24,500		\$ 215,100 \$ \$ 24,500 \$	233,250 24,500		\$ 174,754 Nashua \$ 1.402 Nashua	Yes	\$ 26.23 \$ 26.23	1	Includes base paving - Finished paving required in 2020 not included. Final paving bill for this project.
City of Nashua Paving - Lemon St - Carry over from 2017	Paving only - Carry over from 2017	1702875, 1915858	DW17-183	26,101	2/2/2018		\$ 24,850		\$ 24,850 \$	24,850		\$ 18,316 Nashua	Yes	\$ 26.23		 Final paving bill for this project.
City of Nashua Paving - Lowell St - Carry over from 2017	Paving only - Carry over from 2017	1915857	DW17-183	26,101	2/2/2018	7	\$ 37,000		\$ 37,000 \$ \$ 10,000 \$	40,000	- 00,000	\$ 37,084 Nashua	Yes	\$ 26.23 © 26.23		5 Final paving bill for this project.
City of Nashua Paving - Green St - Carry over from 2017 City of Nashua Paving - Beard St - Carry over from 2017	Paving only - Carry over from 2017 Paving only - Carry over from 2017	1915844 1915845	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018	s - s -	\$ 10,000 \$ 25,900	Yes Yes	\$ 10,000 \$ \$ 25,900 \$	29,000	\$ 9,500 \$ 23,000	\$ 8,906 Nashua \$ 21,689 Nashua	Yes Yes	\$ 26.23 \$ 26.23		Final paving bill for this project. Final paving bill for this project.
City of Nashua Paving - Terrace St - Carry over from 2017	Paving only - Carry over from 2018	1915843	DW17-183	26,101	2/2/2018		\$ 20,500		\$ 20,500 \$	22,000			Yes	\$ 26.23	\$ 278	3 Final paving bill for this project.
City of Nashua Paving - Warren St - Carry over from 2017	Paving only - Carry over from 2017	1702870, 1915842 1502180, 1601369,	DW17-183 DWGTF	26,101	2/2/2018	ş -	\$ 19,500	Yes	\$ 19,500 \$	26,000	\$ 15,892	\$ 16,762 Nashua	Yes	\$ 26.23	\$ 440	 Final paving bill for this project. Bids higher than Engineer's estimate due to tight contractor market and changes in final permit
Merrimack River Intake	Year Round Raw Water Intake from Merrimack River	1701489, 1807360,	Financing	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	\$ 28.86	\$ 181,811	requirements that impacted initial design that engineers estimate was based on. An estimated amount of
		1901612, 1908505	DW19-026		0 /0 /2010	-	-				-			-		\$362,000 of clean up work to be carryed into 2020.
Asset Management Outside GIS Consulting Services Asset Management Water Modeling Consulting	Outside GIS Consulting Services Water Modeling Consulting	1900414 1900414	DW17-183 DW17-183	26,101	2/2/2018 2/2/2018				\$ 60,000 \$ \$ 36,000 \$	20,000 20,000		\$ 7,961 Various \$ - Various	No	\$ 27.02 \$ 27.02		
Asset Management Trimble R2 Units	Trimble R2 Units	1900414	DW17-183	26,101					\$ 14,000 \$	-	\$ -	\$ - Various	Yes	\$ 27.02	ş -	
WAM/Synergen Upgrade Cost & Functionality Study	WAM/Synergen Upgrade Cost & Functionality Study	1900568, 1910219	0.1 DSRR DW17-183	26 101	2/2/2018	\$ -	\$ 45,000	- 10	\$ 45,000 \$	45,000		\$ 27,804 Various		\$ 27.02 \$ 27.02	\$ -	Study to select replacement of Synergyn CMMS system which goes unsupported at the end of 2020.
Investment in developer installed services at 1xannual revenue 2019 Ford Escape	Per tariff Replace Totaled 2015 Ford Escape	n/a 1907481	DW17-183 DW17-183	26,101	2/2/2018	ų 00,000	\$ 60,000 \$ 23,998		\$ 60,000 \$ \$ 23,998 \$	85,000 23,988	\$ 85,000 \$ 23,988	\$ 90,434 Various \$ 23,998 Merrimack	Yes No	\$ 27.02 \$ 28.86		Vehicle in accident. Vehicle totalled and needed to be replaced.
Bower Dam reconstruction and engineering	Bower Dam reconstruction and engineering	1824545, 1900432	0.1 DSRR			\$ 25,000	\$ 25,000	No	\$ 23,998 \$ \$ 25,000 \$	23,988 25,000	\$ 25,000	\$ - Merrimack		\$ 28.86		Design Engineering Work for 2020 Dam rehabilitation.
Bowers Dam Letter of Defficiency design/analysis	perform Hydraulic and Hydrology analysis, design improvements to address spillway capacity	1901734, 1907078	0.1 DSRR				\$ 35.000	No	\$ 35,000 \$	35.000	\$ 35,000	\$ - Merrimack	No	\$ 28.86	s -	Letter of deficiency issued by the NHDES Dam Bureau regarding inadequate spillway capacity for this dam.
							ę 33,000	110	ę 33,000 ę			y Merrinnaek			Ŷ	Letter of deficiency issued by the NHDES Dam Bureau regarding inadequate spillway capacity for this
Harris Dam Letter of Defficiency 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	\$ - Merrimack	No	\$ 28.86	ş -	dam. Later of deficiency issued by the NUDES Dam Bureau recording in degrate collegest construction this
Supply Pond Letter of Deficncy 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	\$ - Merrimack	No	\$ 28.86	ş -	Letter of deficiency issued by the NHDES Dam Bureau regarding inadequate spillway capacity for this dam.
		60, 61, 62 & 63	DW17-183	26,101	2/2/2018		e	Yes				\$ 11.260 Various	×7	e		0
Booster Pump replacement/rebuild Booster Pump replacement/rebuild	Booster Pump replacement/rebuild WIP Rebuild pump end, Intermediate Pump #3	workorders 1914986	DW17-183	26,101	2/2/2018	\$ 40,000 \$ -	\$ 15,445 \$ 24,555		\$ 15,445 \$ \$ 24,555 \$	15,445 24,555	\$ 16,995 \$ 24,555	\$ 11,260 Various \$ 24,554 Nalshua	Yes Yes	\$ 27.02 \$ 26.23	\$ 304 \$ 644	O pumps replaced, 5 rebuilds through 12/31/2019 Pump Bearings failed on Intermediate Booster Pump at WTP.
		60, 61, 62 & 63	DW17-183	26,101	2/2/2018											4 replaced through 12/31/2019
Well Pump replacements	Well Pump replacements	workorders 60, 61, 62 & 63	2.017/105	-		\$ 15,000	\$ 15,000	Yes	\$ 15,000 \$	15,000	\$ 11,000	\$ 16,995 Various	Yes	\$ 27.02	\$ 459	
Chemical Feed pump replacements	Chemical Feed pump replacements	60, 61, 62 & 63 workorders	DW17-183	26,101	2/2/2018	\$ 10,000	\$ 10,000	Yes	\$ 10,000 \$	10,000	\$ 2,000	\$ - Various	Yes	\$ 27.02	ş -	No replacements occurred during 2019.
Upgrade SCADA historian software, new hardware	Upgrade SCADA historian software, new hardware	n/a	DW17-183	26,101	2/2/2018	\$ 150,000			\$ 150,000 \$	150,000		\$ - Various	Yes	\$ 27.02		Scope of project was more clearly defined resulting in a reduction in cost.
Twin Ridge rebuild softener system, install radon treatment Misc. Structural Improvements	Twin Ridge rebuild softener system, install radon treatment Misc. Structural Improvements	1907731 n/a	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018	\$ 50,000 \$ 20,000			\$ 50,000 \$ \$ 10,700 \$	4,000 10,700		\$ 11,112 Plaistow \$ - Various	Yes Yes	\$ 25.93 \$ 27.02		Project scope was limited to MTM media replacement. Reduced by replacement of failed Fire Alarm CPU.
Misc. Structural Improvements	Replace Fire Alarm System CPU	1907102, 1910221	DW17-183	26,101	2/2/2018	\$ \$	\$ 9,300	Yes	\$ 9,300 \$	9,300	\$ 9,300	\$ 9,251 Nashua	Yes	\$ 26.23	\$ 243	Fire Alarm CPU failed due to electrical surge.
Misc. Structural Improvements	Replace Natural Gas Heater, High Pine Station	1917491	DW17-183	26,101	2/2/2018			Yes			\$ 4,050	\$ 4,050 Nashua	Yes	\$ 26.23		5 Failed heater. Part of run rate Misc Structural Improvements.
		- 1-	DW17-183	26,101	2/2/2018	\$ 17,500	\$ 9.928	Yes	\$ 9.928 \$	-	s -	\$ - Various	Yes	\$ 27.02	s -	
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased	n/a	DW1/-105													
Miscellaneous Equipment Purchased Miscellaneous Equipment Purchased 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	n/a 1907611 1910296	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018	ş -	\$ 4,568 \$ 3,004		\$ 4,568 \$ \$ 3,004 \$	4,568 3,004		\$ 4,568 Nashua \$ 3,004 Nashua		\$ 26.23 \$ 26.23		Routine Miscellaneous Equipment purchase Routine Miscellaneous Equipment purchase

Miscellaneous Equipment Purchased	Replace Chlorine Analyzer, Twin Ridge	1915362	DW17-183	26,101	2/2/2018	S -	S -	Yes	s -	4.449	\$ 4.449 \$	4,449	Nashua	Yes	\$ 2	5.23 \$	117 Routine Miscellaneous Equipment purchase
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	n/a	DW17-183	26,101	2/2/2018		30,000	Yes	\$ 30,000	27.800		-	Various	Yes		7.02 \$	-
Miscellaneous SCADA/Electrical	Replace VFD, Pump #1 Bowers Landing	1916547	DW17-183	26,101	2/2/2018		\$ -	Yes	\$ -	2,200		2.118		Yes		1.02 \$	57
WTP Structural/HVAC	WTP Structural/HVAC	n/a	DW17-183	26,101	2/2/2018		0 \$ 10,000		\$ 10.000	10,000		-	Nashua	Yes		5.23 \$	-
WTP Structural/HVAC	Replace Heat Exchanger, WTP Office	1917470	DW17-183	26,101	2/2/2018		\$	Yes	S -	-	\$ 8328 \$	8 328	Nashua	Yes		123 \$	218 WTP Structural/HVAC project
Purchase new lab equipment	Purchase new lab equipment	n/a	DW17-183	26,101	2/2/2018	\$ 20.00) \$ 18,500	Yes	\$ 18,500	18,500	\$ 18,500 \$	-	Nashua	Yes	\$ 2	5.23 \$	 Reduced by purchase of HACH DR 900 below.
Purchase new lab equipment	HACH DR 900	1908450	DW17-183	26,101	2/2/2018	S -	\$ 1.500	Yes	\$ 1,500	5 1.500	\$ 1,500 \$	1.435	Nashua	Yes	\$ 2	5.23 \$	38
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	DW17-183	26,101	2/2/2018	\$ 10.00) \$ 10.000	Yes	\$ 10,000	3.256	\$ 3,256 \$	-	Various	Yes	\$ 2	7.02 \$	-
Miscellaneous Fencing and Security projects	WTP Perimeter Fence Carryover	1901608	DW17-183	26,101	2/2/2018	S -	S -	Yes	S -	6,744	\$ 6,744 \$	6.744	Various	Yes	\$ 2	7.02 \$	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	S -	s -	Yes	S -	5 -	\$ 32,400 \$	28,897	Nashua	No	\$ 2	5.23 \$	- Unbudgeted. Made necessary due to the premature retirement of 2 dept. vehicles.
Replace Ferric Chloride Feed pump	Replace Ferric Chloride Feed pump	1901613	DW17-183	26,101	2/2/2018	S -	S -	Yes	S -	; -	\$ 1,713 \$	1,713	Nashua	Yes	\$ 2	5.23 \$	45 Pump rebuild was determined to be best course.
Carbon media changeout-filters 1 & 2	Carbon media changeout-filters 1 & 2	1901614 & 1916780	DW17-183	26,101	2/2/2018	\$ 1,000,00			\$ 1,525,000	\$ 975,000	\$ 975,000 \$	990,662	Nashua	Yes			New PFAS regulations require that all filter media be changed out to ensure compliance with the new PFOA standard which is slated to go into effect on October 1, 2019. Filter media replacement being stay over 6 month intervals. 8 of 12 filters to be replaced in 2019, remaining four filters to be replaced in Spri 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) \$ -	Yes	\$ -	-	ş - ş	-	Nashua			5.23 \$	 Addition of 3rd pump deferred or elminated 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		5 15,995	\$ 15,995 \$	15,995	Nashua	Yes	§ 2	5.23 \$	420
Replace Kessler Farm booster pump package	Replace 20 year old package booster station pumps and piping. Piping is steel which is beginning to pit	n/a	DW17-183	26,101	2/2/2018	\$ 75,00	5,000	Yes	\$ 75,000	\$ 75,000	s - s		Nashua	Yes	\$ 2	5.23 \$	- Project deferred until 2020
Stump Pond Subwatershed assessment	Stump Pond Subwatershed assessment	n/a	0.1 DSRR			\$ 25,00	3 \$ 25,000	No	\$ 25,000	\$ 25,000	\$ 25,000 \$	-	Merrimack	No	\$ 2	3.86 \$	 Study - Pay for with 0.1 DSRR
Stump Pond Stormwater BMP	Stump Pond Stormwater BMP	1908373	0.1 DSRR			\$ 20,00	20,000	No	\$ 20,000	\$ 20,000	\$ 20,000 \$	1,310	Merrimack	No	\$ 2	3.86 \$	 Study - Pay for with 0.1 DSRR
Public Education -Watershed signage	Public Education -Watershed signage	n/a	0.1 DSRR			\$ 20,00	20,000	No	\$ 20,000	20,000	\$ 20,000		Merrimack	No	\$ 2	3.86 \$	 Study - Pay for with 0.1 DSRR
Replace 2 Hach Turbidimeters and associated control module	Replace 2 Hach Turbidimeters and associated control module	1901618	DW17-183	26,101	2/2/2018	\$ 10,00) \$ 10,000	Yes	\$ 10,000	\$ 8,000 \$ 7,500	\$ 8,001 \$	7,978	Nashua	Yes	\$ 2	5.23 \$	209
Camera System Upgrade	Carryover Costs from 2018 Project	1819073, 1900413	0.1 DSRR			ş -	\$ 7,500	No	\$ 7,500	5 7,500	\$ 7,500 \$	9,756	Nashua	Yes	\$ 2	5.23 \$	256 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 -	\$ 24,600	No	\$ 24,600	\$ 24,600	\$ 24,600 \$	39,520	Merrimack	No	\$ 2	3.86 \$	 Study - Pay for with 0.1 DSRR
Source Water Protection Study	Carryover Costs from 2018 study	1901740	0.1 DSRR			ş -	\$ 12,000	No	\$ 12,000	\$ 12,000	\$ 12,000 \$	11,000	Merrimack	No	\$ 2	3.86 \$	 Study - Pay for with 0.1 DSRR
Aquatic Vegetation Assessment	Carryover Costs from 2018 study	1807147, 1906080	0.1 DSRR			ş -	\$ 4,200	No	\$ 4,200	\$ 4,200	\$ 4,200 \$	9,545	Merrimack	No	\$ 2	3.86 \$	 Study - Pay for with 0.1 DSRR
Fiber Conduit between WTP and Dist	Install Fiber Conduit between Water Treatment Plant and Distribution to eliminate ongoing	1901619	DW17-183	26,101	2/2/2018	\$ 40,00) \$ 40,000	Yes	\$ 40,000	\$ 36,000	\$ 24,985 \$	22,896	Nashua	Yes	\$ 2	5.23	
Piber Conduit between w IP and Dist	Comcast Ethernet line to one of the buildings	1901619	DW1/-185	26,101	2/2/2018	\$ 40,00	5 40,000	1 es	ş 40,000	50,000	a 24,985 a	22,890	INashua	1 es	\$ 2	\$	601
Munis FER Enhancements	Munis FER Enhancements	n/a	DW17-183	26,101	2/2/2018		\$ 35,000	Yes	\$ 35,000	35,000	ş - ş	-	Merrimack	No	\$ 2	3.86 \$	 No upgrades enhancements will be completed in 2019.
Wireless Access Points for Main Office	Wireless Access Points for Main Office	n/a	DW17-183	26,101	2/2/2018	\$ 14,00) Ş -	Yes	s -	ş -	ş - ş	-	Merrimack	No	\$ 2	3.86 \$	 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	\$ 2,50) ş -	Yes	s -	÷ -	s - s	-	Merrimack	No	\$ 2	3.86 \$	-
IOS Charging Station	Charging Station for multiple iPads to allow for upgrades across multiple devices concurrently.	n/a	DW17-183	26,101	2/2/2018	\$ 1.20) S -	Yes	s -	; <u> </u>	s - s	-	Merrimack	No	\$ 2	3.86 \$	
Digital Signage for Distribution	Digital Signage for Distribution allowing notices and schedules to be more prominently displayed	1908376	0.1 DSRR	26,101	2/2/2018	\$ 2,00) \$ 1,270	No	\$ 1,270	\$ 1,270	\$ 1,270 \$	-	Merrimack	No			
	A pilot to determine whether a Virtual Desktop Infrastructure would be feasible for our		DW17-183	26,101	2/2/2018										.\$ 2	3.86 \$	-
VDI Pilot	environment	n/a	DW1/-165	20,101	2/2/2010	\$ 12,00) \$ -	Yes	ş -	-	ş <u>-</u> ş		Merrimack	No	\$ 2	3.86 \$	-
Misc Hardware	Misc Hardware	n/a	DW17-183	26,101	2/2/2018	\$ 20,00	20,000	Yes	\$ 20,000	16,153	\$ 16,153 \$	-	Merrimack	No	\$ 2	3.86 \$	-
Misc Hardware	Mount in Vehicles	1908308	0.1 DSRR				ş -	No		1,397	\$ 1,397 \$	1,248	Merrimack	No	\$ 2	3.86 \$	
Misc Hardware	2 iPad Pros for IS Testing	1908309	0.1 DSRR				ş -	No		2,450	\$ 2,450 \$	2,298	Merrimack	No	\$ 2	3.86 \$	
Misc Software	Misc Software	n/a	DW17-183	26,101	2/2/2018	\$ 12,00) \$ 12,000	Yes	\$ 12,000	12,000	\$ 12,000 \$	-	Merrimack	No	\$ 2	3.86 \$	
Website upgrades	Website upgrades	n/a	DW17-183	26,101	2/2/2018	\$ 8,00	\$ 8,000	Yes	\$ 8,000	\$ 8,000	\$ 8,000 \$		Merrimack	No	\$ 2	3.86 \$	
Implement Customer Balances over the phone	Implement Customer Balances over the phone	n/a	DW17-183	26,101	2/2/2018	\$ 4,00	25,500	Yes	\$ 25,550	5 -	ş <u>-</u> ş		Merrimack	No	\$ 2	3.86 \$	- Deferred
Click Resource Assistant	Allow for the moving of customer Appointment from an generic resource to a named resource.	1907952	0.1 DSRR			\$-	\$ 22,828	No	\$ 22,828	\$ 22,828	\$ 22,828 \$	22,828	Merrimack	No	\$ 2	3.86 \$	-
Database Server License for GIS and other Apps	Purchase Server license for Virtual Environment	1915920	DW17-183	26,101	2/2/2018	\$ -	s -	Yes	ş -	5 7,200	\$ 7,200 \$	7,305	Merrimack	No	\$ 2	3.86 \$	 Previously licensed software was not suitable for virtual environment.
Veeam Backup Software	Replacement of existing backup software due to exorbitant vendor fees to keep original system	1909216	0.1 DSRR			\$-	\$ 25.550	No	\$ 25,550	\$ 25,500	\$ 25,500 \$	15,530	Merrimack	No	\$ 2	86 \$	
N PCO M C	New RCO Manager Computer	1909210	0.1 DSRR		-	e	¥ 23,330	No	e		\$ 2,800 \$	1 797	Merrimack	No	9 Z	3.86 \$	Dealers & Tel Jackson and the
New RCO Manager Computer	contraction of the second s			26 101	2/2/2010	3 -			ð -	-	÷ -3000 ÷	-31.71			-		- Replace failed desktop computer.
Kessler Farm Tank Design	Kessler Farm Tank Design	1915117	0.1 DSRR	26,101	2/2/2018			No	S -	5 -	\$ 50,000 \$	36,355		No		5.23 \$	 Engineering for tank to be constructed in 2020.
Retainage	Payment of Retainage for projects that were used and useful in 2018.		DW17-183	26,101	2/2/2018		s -	Yes	ş -	148,006	\$ 174,418 \$	33,586			\$ 2	3.86 \$	 Retainage paid in 2019 for 2018 QCPAC projects.
Short term interest on the PWW Fixed Asset Line of Credit	Capitalized interest incurred on FALOC draws to fund 2019 Capex from 1/1/2019 thru 4/2/2020		DW17-183	26,101	2/2/2018		s -	Yes	ş -	-	s - s	230,645		No		\$	
Performance Management Platform Implementation & Technical Integration	Performance Management Platform Implementation & Technical Integration	1916551	DW17-183	26,101	2/3/2018	5 -	5 -	Yes	8 -	\$ 13,804	\$ 13,804 \$	13.804	Merrimack	No	\$ 2	3.86 \$	-
Papercut MF Software for copiers	Papercut MF Software for copiers	1918363	DW17-183	26.101	2/3/2018	0	0	Yes	0		A	3,708	Merrimack	No	a -	3.86 \$	

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 \$
 21,175

 to reflect the Staff DR21 response indicating that of the project costs being funded with 0.1 DSRR monies.
 0.1 DSRR monies.

Project Name/Description	
9/30/2020 Update	
Revised 6/16/2020 per Staff Tech DR-1 9/30/2020 Update	
2/9/2020	
DW 20-020 Board Approved 2020 QCPAC Capital Expenditures	

Project Name/Description	Project Description	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Board Approved 2020 Capex Budget	QCPAC Eligible?	Estimated Project Cost as of 6/30/2020	Estimated Project Cost as of 9/30/2020	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since 2/9/2020
New Services (10) Renewed Services (20)	Single Family, Owner Build, New Homes Replacement of failed services	F	future Financing Petition future Financing Petition		\$ 50,000 \$ 110,000	Yes Yes	\$ 25,000 \$ 60,000	\$ 25,000 \$ 75,000	Various Various	Yes Yes	\$ 27.02 \$ 27.02	\$ 676 \$ 2.027	3 new services through 09/30/20. Projecting 1new services by year end. 18 Renewed Services Installed through 09/30/2020. Projecting 2 more replacements by end of year
Hydrants (10)	Replacement of non-functional hydrants (Run rate) (8 YID)	F	uture Financing Petition		\$ 60,000	Yes	\$ 44,000	\$ 55,000	Various	Yes	\$ 27.02		8 Hydrants Repaired/Replaced through 09/30/2020. Projecting 3 more replacements by end of year
Gates (10)	Replacement of Failed Gate Valves		uture Financing Petition	-	\$ 40,000	Yes	\$ 40,000	\$ 50,000	Various	Yes	\$ 27.02	\$ 1,351	9 Gates Repaired/Replaced through 09/30/2020. Projecting 3 more replacement by end of year.
Radios (560) Meters (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)	F	future Financing Petition		\$ 58,000 \$ 29,000	Yes	\$ 40,000 \$ 55,300	\$ 50,000 \$ 91,000	Various	Yes	\$ 27.02 \$ 27.02	\$ 1,351	392 Radios Installed/Replaced through 09/30/2020. Projecting 100 more replacments by end of year 544 Meters Installed/Replaced through 09/30/2020. Projecting 100 more replacements by end of year
Meters 5/8"-6" - Replace faled meters - Core & CWS (200)	Meters 5/8"-6" failed meters - Core & CWS (200)		uture Financing Petition		\$ 21,000	Yes	s .		Various	Yes	\$ 27.02	s -	Total included in row above
Replace Mud sucker pump	Replace 15+ year old ditch pump	12	uture Financing Petition		s -	Yes	\$ 6,356		Various	Yes	\$ 27.02		
Replacement Utility Truck Replacement Utility Truck	Replacement for #47 - 2006 Ford f-350, 130K miles Does not pass inspection Replacment for #76 - 2008 Ford F-350, 150K miles, Does not pass inspection		uture Financing Petition		\$ 70,000 \$ 70,000	Yes	\$ 70,000 \$ 70,000	\$ 70,000 \$ 70,000	Merrimack Merrimack	No	\$ 28.86 \$ 28.86		
Replacement Utility Truck	Replacement for #4-2010 Ford F-350, 150K miles, Does not pass inspection Replacement for #4-2010 Ford F-350, 140K miles Does not pass inspection		future Financing Petition		\$ 70,000	Yes	\$ 70,000 \$ 70,000	\$ 70,000 \$ 70,000	Merrimack	No	\$ 28.86		
Valve Turner & Vac Truck	Replacemnt for #60 - 14 Year Vac Trailer w/excessive rot, will not pass inspection	F	uture Financing Petition		\$ 160,000	Yes	s -	s -	Merrimack	No	\$ 28.86		Deferred. Not avialable due to impact of CoVID on manufacturing
Foreman's Truck	issues.		uture Financing Petition		\$ 140,000	Yes	\$ 140,000	\$ 140,000	Merrimack	No	\$ 28.86	s -	Deferred until 2020
Locker Room Benches @ Distribution Facility	Permanent Benches for Male & Female locker rooms		uture Financing Petition		\$ 7,500	Yes	\$ 7,500	ş -	Merrimack	Yes	\$ 28.86		
Locker Room Deep Wash Sinks	Deep stainless wash sinks to replace existing sinks in male & female locker rooms		uture Financing Petition uture Financing Petition		\$ 7,500 \$ 12,000	Yes	\$ 7,500 \$ 12,000	\$ 7,500	Merrimack	Yes Yes	\$ 28.86 \$ 28.86		Deferred until 2020 due to CoVID19
Office Space for Const & Maint Supervisor Landscape improvements	Permanent office space for Contruction & Maintenance Supervisor Repair Hill Sides @ 16 DWH and overseed with erosion mix		uture Financing Petition		\$ 12,000	Yes	\$ 12,000 \$ 12,000	\$ - \$ 12,000	Merrimack	Yes	\$ 28.86 \$ 28.86		Deterred until 2020 due to CovID19
Automatic Entrance Gate @ Distribution Facility	Replace manual gate @ Distribution facility with automatic gatge	0.1 DSRR			\$ 10,000	No	\$ 10,000	\$ 10,000	Merrimack	Yes	\$ 28.86	\$ 289	
Emergency Gas Detection Meters	Emergency Gas Detection Meters		uture Financing Petition future Financing Petition		ş -	Yes	ş .	\$ 10,411	Merrimack	Yes	\$ 28.86		Replace exsisting failed tritector.
West Hollis Street Check Valve Pit WS Improvements - Manchester Street	Install at the int of W. Hollis St and Panther Dr. Install 1700 LF of 24 inch DI and new Fencing	DWGTF	uture Financing Petition		\$ 88,000 \$ 125,000	Yes	\$ - \$ 140,000	\$ - \$ 140,000	Nashua Nashua	Yes	\$ 26.23 \$ 26.23	\$ - \$ 3.672	deferred
WS Improvements - Deerwood Dr. Northwest Blvd Loop	Add 3400 LF of 20 inch HDPE including RR pipe jacking	DWGTF			\$ 40,000	Yes	\$ 25,000	\$ 25,000	Nashua	Yes	\$ 26.23		
WS Improvements Veteran's Rd/Route 101A Loop	Add 2200 LF of 12 inch DIPCL to close two loop major dead ends	DWGTF			\$ 125,000	Yes	\$ 125,000		Nashua	Yes	\$ 26.23		
WS Improvements Tinker Road Paving and restoration	NWS Improvements Tinker Road Paving and restoration Simon & Will Street - Paving	DWGTF	uture Financing Petition		\$ 125,000 \$ 30,000	Yes	\$ 32,000 \$ 30,000	\$ 32,000 \$ 30,000	Nashua Nashua	Yes	\$ 26.23 \$ 26.23	\$ 839 \$ 787	
iarden Street - Final Paving	Garden Street - Final Paving	F	uture Financing Petition		\$ 18,000	Yes	\$ 18,000	\$ 18,000	Nashua	Yes	\$ 26.23	\$ 472	
äty of Nashua Sewer - Lake Street	Replace 2950 LF of 6 inch CI with 12 inch DIPCL (Paving)		Future Financing Petition	E /2 /0010	\$ 30,000 \$ 140,375	Yes	\$ 30,000 \$ 192,109		Nashua Merrimack	Yes	\$ 26.23		Amount of MD1 and only in the first still with blocks of the SWE TO
derrimack River Intake	Year Round Raw Water Intake from Merrimack River Year Round Raw Water Intake from Merrimack River	DWGTF Financing DW19-026 F	26,247 Juture Financing Petition	5/3/2019	\$ 140,375 \$ 221.625	Yes	\$ 192,109 \$ 247,891	\$ 192,109 \$ 260,000		Yes	\$ 28.86 \$ 28.86		Amount of MRI raw water intake funds still avialable from DWGTF Project cost increased by \$80,000 to develop Source Water Protection plan required by NHDES
Merrimack River Intake			future Financing Petition		\$ 221,625 \$ 75,000	105	\$ 247,891 \$ 178,000	\$ 260,000 \$ 200,600	Merrimack	Yes	\$ 26.23	/,504	Budget to be increased as a portion of site work for the Kessler Farm Tank was transferred to this project
teplace Kessler Farm booster pump package	Replace 31 year old package booster station pumps and piping.	ŀ	same rmancing Petition		a 75,000		ə 1/8,000	\$ 200,600	Nashua	res	ə 26.23	\$ 5,262	
isk and Resilience Assessment and Emergency Response Plan	Complete Risk and Resilience Assessment and Emergency Response Plan as	F	uture Financing Petition		\$ 120,000	Yes	\$ 120,000	\$ 120,000	Various	No	\$ 27.02	-	
sset Management - GIS QA/QC ahead of NEW CMMS	required by the USEPA GIS OA/OC Ahead of NEW CMMS		uture Financing Petition		\$ 40.000	Yes	\$ 40,000		Merrimack	Yes	\$ 28.86	\$ - \$ 1.154	
			uture Financing Petition			. 6.0				100			
Brook Street	Replace 225 LF of 4 inch and 915 LF of 6 inch CI with 1140 LF of 8 inch DIPCL Replace 410 LF of 6 inch CI with 4 inch DIPCI		uture Financing Petition		\$ 380,000 \$ 87,000	Yes	\$ 274,000 \$ 63,000	\$ 209,000 \$ 142,000	Merrimack	Yes Yes	\$ 28.86 \$ 26.23	\$ 6,032 \$ 3,725	
Iamilton Street Burritt Street	Replace 410 LF of 6 inch CI with 4 inch DIPCL Replace 425 LF of 4 inch CI with 8 inch DIPCL	F	uture Financing Petition		\$ 141,000	Yes	\$ 63,000 \$ 95,000	\$ 142,000 \$ 108,700	Nashua Nashua	Yes	\$ 26.23 \$ 26.23	\$ 2,851	
Burnitt Street	Replace 125 LF of 4 inch CI with 4 inch DIPCL		uture Financing Petition		\$ 38,000	Yes	\$ 27,000	\$ 54,300	Nashua	Yes	\$ 26.23	\$ 1,424	
/erona Street jarasota Ave	Replace 675 LF of 6 inch CI with 8 inch DIPCL Replace 250 LF of 6 inch CI with 8 inch DIPCL		uture Financing Petition		\$ 226,000 \$ 83,000	Yes	\$ 162,000 \$ 62,000	\$ 173,900 \$ 118,100	Nashua Nashua	Yes	\$ 26.23 \$ 26.23	\$ 4,561 \$ 3,098	
Amherst Dodge Rd Watermain Abandonment	Abandon Approx. 700 LF of AC Main Transfer 2 services & 1 Hyd to parallet 8"		inture Financing Petition		\$ 20.000	Yes	\$ 71,000	\$ 105,750	Amherst	No	\$ 28.85	- 3,070	Scope of job expanded to replace multiple broken or leaking valves discovers during the shutdown proce
uniterst Dodge Ku waterinan Abandonment	DIPCI, water main	F	uture rinancing reason				\$ 71,000	\$ 105,750	Annerst		-	ş -	Scope or job expanded to reptace multiple broken or leaking varves discovers during the shutdown proces
Sessler Farm Tank Replacement	Replaced 4 MG painted steel water tank with 4 MG prestressed, precast water tank.		0.1 DSRR		\$ 3,388,000	No	\$ 60,000	\$ 60,000	Nashua	No	\$ 26.23	s .	Design only. Construction deferred until 2021
teplace Engineering Pickup	2020 Ford Escape SE - Replace Vehicle #101		uture Financing Petition		\$ 35,000	Yes	\$ 35,000	\$ 24,431	Merrimack	Yes	\$ 28.86	\$ 705	
Replace Engineering SUV #34	2020 Ford Escape SE - Replace Vehicle #401		uture Financing Petition		\$ 30,000	Yes	\$ 30,000		Merrimack	Yes	\$ 28.86		
nvestment in developer installed services at 1xannual revenue	Per tariff Add two new GPS units for additional staff		uture Financing Petition		\$ 60,000	Yes	\$ 84,000		Various	Yes	\$ 27.02	\$ 1,675	82 Developer Installed Services through 09/30/2020. Projecting 30 more by year end
Asset Management Trimble R2 Units	Add two new GPS units for additional staff	r	uture rmancing retution		\$ 24,000	Yes	\$ 24,000	\$ 24,000	Merrimack	No	\$ 28.86	5 -	Added Pump Station roof hatches and roofing to facilitate pump replacement in future Bid price receives
Merrimack River Pumping Station	Add third 350 horsepower pump and motor with variable frequency drive.	F	uture Financing Petition		\$ 260,000	Yes	\$ 360,000	\$ 600,000	Merrimack	Yes	\$ 28.86	\$ 17,316	variable runn station roomatches and roomig to naminate panh repractment in tunne. Bai price receive was higher than anticipated: Added Electrical system upgrades for code and redundency. There will be a \$140,000 of expenditures to complete this project in 2021.
Crescent Street (sewer related)	Replace 250 LF of 4 inch CI and 96 LF of 1 1/4 inch CL with 150 LF of 4" PVC		uture Financing Petition				\$ 44,700		Nashua	Yes	\$ 26.23		Added due to Kessler Farm Tank deferral to 2021
Crescent Street (paving contribution)	Replace 250 LF of 4 inch CI and 96 LF of 1 1/4 inch CL with 150 LF of 4" PVC		uture Financing Petition uture Financing Petition		-		\$ 8,000	\$ 15,000	Nashua	Yes	\$ 26.23	\$ 393	Added due to Kessler Farm Tank deferral to 2021
chool Street julton 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		uture Financing Petition		ş -	Yes	\$ 244,000 \$ 40,000	\$ 166,850 \$ 93,950	Nashua Nashua	Yes Yes	\$ 26.23 \$ 26.23		Added due to Kessler Farm Tank deferral to 2021 Added due to Kessler Farm Tank deferral to 2021
Manatee St (Lake St Area PH2)	Replace 240 LF of 6 inch CI with 8" DIPCL - addition to Lake St Ph 2 project	F	uture Financing Petition				\$ 55,000	\$ 84,000	Nashua	Yes	\$ 26.23	\$ 2,203	Added due to Kessler Family Fank deferral to 2021
Ash St (Lake St Area PH2)	Replace 480 LF of 6 inch CI with 8 and 6 inche DIPCL - added to Lake StPh 2		uture Financing Petition				\$ 102,000	\$ 157,450	Nashua	Yes	\$ 26.23	\$ 4,130	Added due to Kessler Farm Tank deferral to 2021
ields Grove Crossing(Lake St Area PH2)	Cross City park with 16" HDPE direction bore - 890 LF- added to Lake St Ph 2		future Financing Petition				\$ 60,000	\$ 60,000	Nashua	Yes	\$ 26.23		Added due to Kessler Farm Tank deferral to 2021
ngalls St - complete in 2020	Emergency water main replacement - 175' of Galv (1921) replaced with 4" PVC Paving related water main replacement - replace 56' of 12" CI and 230' of 8" CI		future Financing Petition				\$ 38,000	\$ 45,300	Nashua	Yes	\$ 26.23	\$ 1,188	Added due to Kessler Farm Tank deferral to 2021
Walnut St - water main (added to crescent/school st project)	(1925-unlined) with 286' of 12" DIP	F	future Financing Petition				\$ 70,000	\$ 120,600	Nashua	Yes	\$ 26.23	\$ 3,163	Added due to Kessler Farm Tank deferral to 2021
Valnut St (paving contribution)	Paving Contribution for paving in 2021	I:	future Financing Petition				\$ 20,000	ş -	Nashua	Yes	\$ 26.23		Added due to Kessler Farm Tank deferral to 2021
oburn Woods (all side streets)	Replace 4400 LF of 2 inch PVC with 4 inch DIPCL	F	uture Financing Petition		s .	Yes	\$ 900,000	\$ 150,000	Nashua	Yes	\$ 26.23		Added due to Kessler Farm Tank deferral to 2021. The majority of this project will be occurring in 2021
rennichuck Brook Ponds Aerial Survey	Pennichuck Brook Ponds Aerial Survey	F	uture Financing Petition		e	Yes	e .	\$ 21.700	Nashua	No			expected bid opening.
perade SCADA historian software, new hardware	Upgrade SCADA historian software, new hardware		uture Financing Petition		\$ - \$ 65,000	Yes	\$ - \$ 65,000		Nashua	Yes	\$ 26.23 \$ 26.23		Drouight response. Survey of exposed bottow of Harris and Bowers Pond
owers Dam LOD response engineeriing	Bowers Dam LOD response engineeriing				\$ 10,000	No	\$ 10,000	\$ 10,000	Nashua/Merrimack	No	\$ 27.55	\$ -	Bowers Dam LOD response engineering
larris LOD response engineering	Harris LOD response engineering	0.1 DSRR			\$ 20,000	No	\$ 20,000	\$ 20,000	Nashua/Merrimack	No	\$ 27.55		
apply Pond LOD response engineering	Supply Pond LOD response engineering	0.1 DSRR			\$ 32,000	No	\$ 32,000		Nashua/Merrimack	No	\$ 27.55		
ebuild Pump 1, Northwest, Nashua	final costs for reinstallation and alignment	F	future Financing Petition		\$ 5,000	Yes	\$ 53,457	\$ 3,457	Nashua	Yes	\$ 26.23	\$ 91	Previous Year work was instrumental in the completion of the rebuild of NW Pump #1, remaining \$50,0 rebuild of NWS Pump #2
lew Vehicle for WS electrician	final costs for fit up of new truck purchased in 2019		uture Financing Petition		\$ 3,000	Yes	\$ 3,000	\$ 3,000	Nashua	No	\$ 26.23	ş -	
iooster Pump replacement/rebuild	Booster Pump replacement/rebuild	F	uture Financing Petition	-	\$ 40,000	Yes	\$ 40,000	\$ 35,000	Various	Yes	\$ 27.02	\$ 946	9 Booster Pumps Repaired/Replaced through 09/30/2020. 6 additional rebuilds projected by end of year
iooster Pump replacement/rebuild	WTP Intermediate pump #2 electric motor rebuild		future Financing Petition		ş .	Yes	ş .	\$ 12,644	Nashua	Yes	\$ 26.23		
Fell Pump replacements	Well Pump replacements	F	uture Financing Petition		\$ 15,000	Yes	\$ 10,000	\$ -	Various	Yes	\$ 27.02	s -	1 well pump replacements thru 09/30/20. Projecting 1 additional well replacement by end of year.
hemical Feed pump replacements	Chemical Feed pump replacements		uture Financing Petition		\$ 10,000	Yes	\$ 6,757	\$ 3,500	Various	Yes	\$ 27.02		i i i i i i i i i i i i i i i i i i i
hemical Feed pump replacements	Rebuild Ferric Feed Pumps 2 & 3		uture Financing Petition	-	ş -	Yes	\$ 3,243		Various	Yes	\$ 27.02	\$ 88	
arris Dam raise earthen embankment, raise dike wall	Harris Dam raise earthen embankment, raise dike wall		uture Financing Petition uture Financing Petition		\$ 965,000	Yes	s -		Nashua/Merrimack	Yes	\$ 27.55		Deferred until 2021
lise. Structural Improvements	Mise. Structural Improvements				\$ 20,000	Yes	\$ 16,700	5 -	Various	Yes	\$ 27.02		
lise. Structural Improvements	Replace Fire Alarm System Control Boards - Damaged by Lightning Strike	This will be covered some	e by insurance then by	FALOC I am assuming	ş -	Yes	s -	\$ 15,120	Nashua	Yes	\$ 26.23	\$ 397	May be covered by property insurance
liscellaneous Equipment Purchased	Miscellaneous Equipment Purchased		uture Financing Petition		\$ 17,500	Yes	\$ 8,437	\$ 8,473	Various	Yes	\$ 27.02	\$ 229	
fiscellaneous Equipment Purchased	Replace Sewage Ejection Pump, Snow Station		uture Financing Petition		s .	Yes	\$ 3,300	\$ 3,300	Nashua	I	\$ 26.23	\$ 87	
liscellaneous Equipment Purchased	WTP Replace Filter-to-Waste Valve		uture Financing Petition future Financing Petition		ş -	Yes	\$ 2,353		Nashua		\$ 26.23 \$ 27.02		This was in 2019 budget, but did not go useful until 2020.
liscellaneous Equipment Purchased liscellaneous SCADA/Electrical	Replace Sludge Pump #2, WTP Miscellaneous SCADA/Electrical		uture Financing Petition		\$ - \$ 30.000	Yes	\$ 3,410 \$ 8,500		Various Various	Yes	\$ 27.02 \$ 27.02		
Escellaneous SCADA/Electrical	Replace VFD, Pump #3 - High Pines Booster	F	future Financing Petition		\$ -	Yes	\$ 9,500	\$ 9,500	Various	Yes	\$ 27.02	\$ 257	
fiscellaneous SCADA/Electrical	Install cellular SCADA device, HI and LO, Derry		future Financing Petition		s .	Yes	\$ 2,500		Various	Yes	\$ 27.02		
fiscellaneous SCADA/Electrical	SCADA control system, Powder Hill, Donald St.		uture Financing Petition		s -	Yes	\$ 9,500		Various	Yes	\$ 27.02		
ebuild NWS booster pump #2	Rebuild NWS booster pump #2		uture Financing Petition		\$ 40,000	Yes	s -	\$ 50,000	Nashua	Yes	\$ 26.23		Cost of rebuild in row 68 of 6/30/2020 update column
TP Structural/HVAC	WTP Structural/HVAC		uture Financing Petition uture Financing Petition		\$ 10,000	Yes	\$ 10,000		Nashua	Yes	\$ 26.23		
urchase new lab equipment liscellaneous Fencing and Security projects	Purchase new lab equipment Miscellaneous Fencing and Security projects		uture Financing Petition		\$ 20,000 \$ 10,000	Yes	\$ 20,000 \$ 10,000		Nashua Various	Yes	\$ 26.23 \$ 27.02	\$ 525 \$	
eplace Vehicle 200	replace Vehicle 200		uture Financing Petition		\$ 10,000	Yes	\$ 10,000		Nashua	No	\$ 27.02 \$ 26.23		
eplace Vehicle 201	Replace Vehicle 201	F	future Financing Petition		\$ 55,000	Yes	\$ 55,000		Nashua	No	\$ 26.23		
eplace Vehicle 63	Replace Vehicle 63		uture Financing Petition	-	\$ 40,000	Yes	\$ 40,000	ş -	Nashua	No	\$ 26.23	ş -	Deferred
epair/Replace Soffit and Fascia, Boat House Bldg.	Repair/Replace Soffit and Fascia, Boat House Bldg.		uture Financing Petition		\$ 30,000	Yes	\$ 30,000		Nashua	Yes	\$ 26.23		No contractors available. Deferred until 2021
arbon media changeout-filters 5 & 6	Carbon media changeout-filters 5 & 6		uture Financing Petition future Financing Petition		\$ 500,000	Yes	\$ 500,000	\$ 450,000	Nashua	Yes	\$ 26.23	\$ 11,804	
astall new Day Fuel Tank, Controller and related equip., FWPS Generator	Install new Day Fuel Tank, Controller and related equip., FWPS Generator SCADA PLC Replacements		uture Financing Petition		\$ 75,000 \$ 75,000	Yes	\$ 75,000 \$ 75,000	s -	Nashua Nashua	Yes	\$ 26.23 \$ 26.23	5 - 5	Deferred until 2021. Project scope being evhated under new code Deferred until 2021
	oversees a new supplications						\$ 75,000 \$ 10,000		Nashua		\$ 26.23 \$ 26.23		
SCADA PLC Replacements Replace 2 Hach Turbidimeters and associated control module	Replace 2 Hach Turbidimeters and associated control module		uture Financing Petition future Financing Petition		\$ 10,000	Yes		\$ 18,000		Yes			Changed from 2 to 4 units.

unichuck Water Works, Inc.	
7 20-020	
ard Approved 2020 QCPAC Capital Expenditures	
/2020	
vised 6/16/2020 per Staff Tech DR-1	
0/2020 Update	

Project Name/Description	Project Description	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Board Approved 2020 Capex Budget	QCPAC Eligible?	Estimated Project Cost as of 6/30/2020	Estimated Project Cost as of 9/30/2020	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since 2/9/2020
fisc Hardware	Misc Hardware		Future Financing Petition		\$ 20,000	Yes	\$ 6,945	s -	Merrimack	No			
lise Hardware	Laptop Purchase for Regulatory Department - JK		Future Financing Petition		ş -	Yes	\$ 1,660			No	\$ 28.86	ş .	Purchase to accommodate work from home created by CoVID
lise Hardware	Laptop Purchase for Regulatory Department - CAH		Future Financing Petition		s -	Yes	\$ 1,400	\$ 1,400		No	\$ 28.86	s .	Purchase to accommodate work from home created by CoVID
lise Hardware	Laptop Purchase for onboarding employees (5)		Future Financing Petition		ş -	Yes	\$ 9,995			No			Purchase to accommodate work from home created by CoVID
lise Hardware	Laptop Purchase for New Employee C. Harding		Future Financing Petition		ş .	Yes	ş -	\$ 2,491	Merrimack	No	\$ 28.86		Purchase to accommodate work from home created by CoVID
lise Hardware	Spare Laptop Purchase		Future Financing Petition		ş -	Yes	ş -	\$ 1,005		No	\$ 28.86		Purchase to accommodate work from home created by CoVID
lisc Hardware	New Laptop for Accounting new hire - Payroll Admin		Future Financing Petition		ş -	Yes	ş -	\$ 1,160		No	\$ 28.86		Purchase to accommodate work from home created by CoVID
lisc Software	Mise Software		Future Financing Petition		\$ 12,000	Yes	\$ 2,880	s .	Merrimack	No	\$ 28.86	s -	
lise Software	Macola Development Environment for testing upgrade		Future Financing Petition		ş .	Yes	\$ 5,280			No	\$ 28.86	s .	
lisc Software	Tyler Notify		Future Financing Petition		\$.	Yes	\$ 3,840	\$ 3,840	Merrimack	No	\$ 28.86	s .	
lisc Software	MSI. Server License for Munis Upgrade		Future Financing Petition		ş .	Yes	ş .	\$ 6,350	Merrimack	No	\$ 28.86	s .	
/ebsite upgrades	Website upgrades		Future Financing Petition		\$ 8,000	Yes	\$ 8,000		Merrimack	No	\$ 28.86	s .	
almon Replacement at WTP	The server at WTP is over 7 years old and should be replaced. I am recommending to replace the server with a VM host for ease of use and reliability		Future Financing Petition		\$ 15,000	Yes	\$ 15,000	\$ 15,000	Merrimack	No	\$ 28.86	s .	
dditional UPS for Distribution Data Center	We are starting to leverage this datacenter more with more equipment. The current UPS is over subscribed and we need to protect everything in there.		Future Financing Petition		\$ 1,600	Yes	\$ 1,600	\$ 1,600	Merrimack	No	\$ 28.86	s .	
Ieraki Wireless AP's for WTP	The current AP's at WTP are tied into the wireless at HQ. We will be changing to the Maraki solution for HQ so these will need to be replaced.		Future Financing Petition		\$ 3,000	Yes	\$ 3,000	\$ 3,000	Merrimack	No	\$ 28.86	s .	
torage Replacement for PS6110 Array	Nimble addon shelf - 33tb usable		Future Financing Petition		\$ 57,000	Yes	\$ 30,000		Merrimack	No	\$ 28.86	s .	
eeam Backup of O365	Backup documents stored in the cloud within Office 365.		Future Financing Petition		\$ 2,000	Yes	ş .	\$ 2,000	Merrimack	No	\$ 28.86	ş .	
lient Remote Control Software	5 licenses		Future Financing Petition		\$ 1,300	Yes	ş -	\$ 1,300	Merrimack	No	\$ 28.86	s .	
MMS replacment project (Estimate)	Replace Synergen/WAM with newer more cost effective/improved functionality system		Future Financing Petition		\$ 600,000	Yes	\$ 600,000	\$ 600,000	Nashua	Yes	\$ 26.23	\$ 15,738	
lew Building - Cable Management in Server Room	Rack/Ladder/Patch Panels/Cable Management/KVM	0.1 DSRR			\$ 6,700	No	\$ 5,560	\$ 5,560	Nashua	Yes	\$ 26.23	S 146	
ew Building - Facility Secure Access/Surveillance	Doors and elevator security/Cameras	0.1 DSRR			\$ 78,300	No	\$ 140,000	\$ 140,000	Nashua	Yes	\$ 26.23	\$ 3.672	
ew Building - Audio/Visual	Boardroom and Conference Rooms	0.1 DSRR			\$ 11,500	No	\$ 29,000	\$ 29,000	Nashua	Yes	\$ 26.23	\$ 761	
ew Building - Server Room Networking	Routers/Switches/Racks/Patch Panels	0.1 DSRR			\$ 19,000	No	\$ 12,800	\$ 12.800	Nashua	Yes	\$ 26.23	\$ 336	
lew Building - Wireless	Wireless Access Points for Main Office	0.1 DSRR			\$ 13,000	No	\$ 10,200	\$ 10,200	Nashua	Yes	\$ 26.23	\$ 268	
ew Building - AMR Equipment Room	UPS/Rack/Patch Panel/Switch/Transceiver	0.1 DSRR			\$ 6,800	No	\$ 6,800	\$ 6,800	Nashua	Yes	\$ 26.23	\$ 178	
iew Building - Phone System	Replacement of existing Phone sytem. New system will not work with existing hardware	0.1 DSRR			\$ 70,000	No	\$ 60,000	\$ 60,000	Nashua	Yes	\$ 26.23	\$ 1,574	
ew Building - Cubicles (per 12/5 DW email)	Cubicles for new headquarters	0.1 DSRR			\$ 65,000	No	\$ 80,000	\$ 80,000	Nashua	Yes	\$ 26.23	\$ 2,098	Increase in cost due to increasing height of cubicle walls from 65" to 84". Wall height changed to create social distant barrier.
w Building - Appliances (per 1/2/20 conversation with LG)	Appliances (Refridgerator, dishwasher, microwaves, etc)	0.1 DSRR			\$ 7,000	No	\$ 5,500	\$ 5,500	Nashua	Yes	\$ 26.23		
ew Building - relocation of Genset to New Office location	New Building - relocation of Genset to New Office location	0.1 DSRR			\$ 60,000	No	\$ 140,000	\$ 140,000	Nashua	Yes	\$ 26.23	\$ 3,672	Generator at existing building not large enough to power new building. New generator required.
		0.1 DSRR				1					1		
ew Building - Office Furniture	New Building - Office Furniture				\$ 10,000	No	\$ 18,000	\$ 18,000	Nashua	Yes	\$ 26.23		Increase over budger created by a determination to purchase more "sit/stand" desks then in original budget.
AMF - IOS mobile Management	Software configuration support for JAMF product.		Future Financing Petition		\$ 6,000	Yes	\$ 6,000	\$ 6,000	Merrimack	No	\$ 28.86	s -	
ocument Management	Software to allow for document tracking and flow management (Accounting).		Future Financing Petition		\$ 8,000	Yes	\$ 5,400	\$ 5,400	Merrimack	No	\$ 28.86	s -	
ck Software move to MS sql	Move Click Database from Oracle to MS sql in order to retire Oracle after the WAM replacement project is complete.		Future Financing Petition		\$ 45,000	Yes	\$ 19,500	\$ 19,500	Merrimack	No	\$ 28.86	5 -	
mon Street, Final Restoration	2020 Carryover Costs		Future Financing Petition		s -	Yes	\$ 1,500	\$ 1,500	Nashua	Yes	\$ 26.23	\$ 39	Not included in approved 2020 Budget.
well Street, Final Restoration	2020 Carryover Costs		Future Financing Petition		\$.	Yes	\$ 2,500	\$ 2,500	Nashua	Yes	\$ 26.23	\$ 66	Not included in approved 2020 Budget.
est Pearl Street, Final Restoration	2020 Carryover Costs		Future Financing Petition		s -	Yes	\$ 12,750	\$ 12,750	Nashua	Yes	\$ 26.23	\$ 334	Not included in approved 2020 Budget.
m Street, Final Restoration	2020 Carryover Costs		Future Financing Petition		s -	Yes	\$ 21,750	\$ 21,750	Nashua	Yes	\$ 26.23	\$ 571	Not included in approved 2020 Budget.
arren Street, Final Restoration	2020 Carryover Costs		Future Financing Petition		\$ -	Yes	\$ 1,500	\$ 1,500	Nashua	Yes	\$ 26.23	\$ 39	Not included in approved 2020 Budget.
			Bannishanda Watar Ward	s Projected 2020 Total Capita	\$ 10,175,700		\$ 7,252,374	\$ 6,797,422	Projected Prope	Tan Erma	and a second stand	\$ 156,416	

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		0.1 DSRR Funded project Total -	\$ 409,300	5	569,860	\$ 569,860	
	\$ 9,766,400	\$	6,682,514	\$ 6,227,562			
	\$ 9,211,025	\$	6,127,139	\$ 5,672,187			
Total Projected PWW QCP	\$ 555,375	\$	555,375	\$ 555,375			
		Project Annual P&I on 2020 QCPAC eligible Projects -	\$ 628,935	\$	428,323	\$ 398,728	
Estimated Bond Terms (Bonds to be sold in April 2021) -	Years @	5.0%	\$ 599,190	\$	398,579	\$ 368,984	
DWGTF Terms -	Years @	3.38%	\$ 29,744	\$	29,744	\$ 29,744	

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	2021 Approved Budgeted Amount, Revised to reflect 2020 QCPAC activity	QCPAC Eligible?	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since 2/9/2020
2021 New Services (10)	Single Family, Owner Build, New Homes		Fu	ture Financing Pet	ation	\$ 50,000	Yes	Various	Yes	\$ 27.02	\$ 1,351	
2021 Renewed Services (20)	Replacement of Failed Services		Fu	ture Financing Per	ition	\$ 110,000	Yes	Various	Yes	\$ 27.02	\$ 2,972	
2021 Hydrants (10)	Replacement of non functional hydrants		Fu	ture Financing Per	tition	\$ 60,000	Yes	Various	Yes	\$ 27.02	\$ 1,621	
2021 Gates (10)	Replacement of Failed Gate Valves		Fu	ture Financing Per	tition	\$ 40,000	Yes	Various	Yes	\$ 27.02	\$ 1,081	
2021 Radios (4000)	Begin 7 year replacement of all PWW radios (all initial radios installed in 2007)		Fu	ture Financing Pet	ition	\$ 520,000	Yes	Various	Yes	\$ 27.02	\$ 14,050	
2021 Meters (Growth) 5/8"-2" - Core & CWS (TBD)	New meters for new customers (280). Replacement of failed meters (200)		Fu	ture 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		Fu	ture Financing Pet	ition	\$ 70,000	Yes	Merrimack	No	\$ 28.86	s -	
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles		Fu	ture Financing Pet	ition	\$ 70,000	Yes	Merrimack	No	\$ 28.86	s -	
Replacement Utility Van	New Utility Van to replace existing high mileage/maintenance vehicles		Fu	ture Financing Pet	ition	\$ 35,000	Yes	Merrimack	No	\$ 28.86	s -	
Replacement Utility Van	New Utility Van to replace existing high mileage/maintenance vehicles		Fu	ture Financing Per	ition	\$ 35,000	Yes	Merrimack	No	\$ 28.86	s -	
Protectus Meter Upgrade	Protectus Meter Upgrade			0.1 DSRR		\$ 22,000	Yes	Merrimack	No	\$ 28.86	s -	
Kessler Farm Tank Replacement	Replaced 4 MG painted steel water tank with 4 MG prestressed, precast water tank.	2000379	Fu	ture Financing Per	ition	\$ 3,328,000	Yes	Nashua	Ycs	\$ 26.23	\$ 87.293	Construction deferred from 2020 to 2021
Brook Street	Replace 225 LF of 4 inch and 915 LF of 6 inch CI with 1140 LF of 8 inch DIPCL		Fu	ture Financing Per	ition	\$ 42.000	Yes	Nashua	Yes	\$ 26.63	\$ 1.118	
Hamilton Street	Replace 410 LF of 6 inch CI with 4 inch DIPCL			ture Financing Pet		\$ 7.000	Yes	Nashua	Yes	\$ 26.63		
Burritt Street	Replace 425 LF of 4 inch CI with 8 inch DIPCL		Fu	ture Financing Per	ition	\$ 15,000	Yes	Nashua	Yes	\$ 26.63	\$ 399	
Burritt Street	Replace 125 LF of 4 inch CI with 4 inch DIPCL		Fu	ture Financing Per	ition	\$ 4000	Yes	Nashua	Yes	\$ 26.63	\$ 107	
Verona Street	Replace 675 LF of 6 inch CI with 8 inch DIPCL		Fu	ture Financing Pet	ition	\$ 15,000	Yes	Nashua	Yes	\$ 26.63		
Sarasota Ave	Replace 250 LF of 6 inch CI with 8 inch DIPCL		Fu	ture Financing Pet	ition	\$ 9,000	Yes	Nashua	Yes	\$ 26.63		
Linwood Street	Replace 960 LF of 6 inch CI with 8 inch DIPCL.			ture Financing Pet		\$ 284,000	Yes	Nashua	Yes	\$ 26.63		
Balcom Street	Replace 1240 LF 6 inch CI with 1240 LF 8 inch DIPCL.			ture Financing Pet		\$ 368,000	Yes	Nashua	Yes	\$ 26.63		
Euclid Avenue	Replace 425 LF 6 inch CI with 425LF 8 inch DIPCL.			ture Financing Pet		\$ 126,000	Yes	Nashua	Yes	\$ 26.63		
Fairview Street	Replace 800 LF 6 inch CI with 800 LF 8 inch DIPCL.			ture Financing Pet		\$ 237.000	Yes	Nashua	Yes	\$ 26.63		
Temple St (south to gorman)	Replace 900 LF of 8 inch CI with 12 inch DIPCL.			ture Financing Pet		\$ 329,000	Yes	Nashua	Yes	\$ 26.63		
School Street (High to W Pearl Alleyway)	Replace 400 LF of 4 inch CI with 8 inch DIPCL			ture Financing Pet		\$ 135,000	Yes	Nashua	Yes	\$ 26.63		
Replace Engineering Pickup	Replace 400 LF of 4 men CI with 8 men DIPCL2 Replace Engineering Pickup with > 150.000 Miles.			ture Financing Pet		\$ 36,000	Yes	Nashua	No	\$ 26.63		
Replace Engineering SUV	Replace Engineering SUV with > 150,000 Miles.			ture Financing Pet		\$ 30,000	Yes	Nashua	No	\$ 26.63		
Milford Booster Station	Replace / Relocate / Upgrade the Milford Booster Station (>2MGD)			ture Financing Pet		\$ 50,000 \$ 660.000	Yes	Amherst	Yes	\$ 26.63	Ŧ	
Investment in developer installed services	1x annual revenue per tariff			ture Financing Per		\$ 60,000 \$ 60,000	Yes	Various	Yes	\$ 20.03 \$ 27.02		
2020 Nashua City Sewer Projects	To be detremined.			ture Financing Per		\$ 1100.000	Yes	Nashua	Yes	\$ 26.63	÷ .,	
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild.			ture Financing Pet		\$ 1,100,000	Yes	Various	Yes	\$ 20.03		
Well Pump replacements	Well Pump replacements			ture Financing Per		\$ 33,000 \$ 18,750	Yes	Various	Yes	\$ 27.02		
Chemical Feed pump replacements	Chemical Feed pump replacements			ture Financing Pet		\$ 15,000	Yes	Various	Yes	\$ 27.02 \$ 27.02		
Supply Pond Spillway Improvements	Supply Pond Spillway Improvements			ture Financing Pet		\$ 750,000	Yes	Merrimack/Nashua	Yes	\$ 27.55		
Install/replace treatment systems in small CWS	Install/replace treatment systems in small CWS.			ture Financing Pet		\$ 18,750	Yes	Various	Yes	\$ 27.02		
Misc. Structural Improvements	Miscal/replace treatment systems in small Cw.S. Misc. Structural Improvements			ture Financing Pet		\$ 13,730 \$ 27,500	Yes	Various	Yes	\$ 27.02 \$ 27.02		
Mise. Structural improvements Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased			ture Financing Per		\$ 27,500 \$ 17,500	Yes	Various		\$ 27.02 \$ 27.02		
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical			ture Financing Pet		\$ 27,500	Yes	Various	Yes	\$ 27.02		
Wiscellaneous SCADA/Electrical Well Rehabilitation	Wiscenaneous SCADA/ Electrical Well Rehabilitation			ture Financing Per		\$ 27,500 \$ 40,000	Yes	Various	Yes	\$ 27.02 \$ 27.02		
Well Rehabilitation WTP Structural/HVAC	Well Rehabilitation WTP Structural/HVAC			ture Financing Pet		\$ 40,000 \$ 7,500	Yes	Various Nashua	Yes	\$ 27.02 \$ 26.63		
Purchase new lab equipment	Purchase new lab equipment			ture Financing Per		\$ 7,500 \$ 15,000	Yes	Nashua	Yes	\$ 26.63 \$ 26.63		
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects			ture Financing Per		\$ 15,000 \$ 7,500	Yes	Various	Yes	\$ 26.63 \$ 27.02		
Miscellaneous Fencing and Security projects Replace Vehicle	Miscellaneous Fencing and Security projects Replace Vehicle			ture Financing Pet		\$ /,500 \$ 65.000	Yes	Various Nashua	Yes	\$ 27.02 \$ 26.63		
Replace Vehicle Replace Vehicle	Replace Vehicle			ture Financing Per		\$ 65,000 \$ 65,000	Yes	Nashua Nashua	No	\$ 26.63 \$ 26.63		
	Replace Vehicle			ture Financing Pet						\$ 26.63 \$ 28.85		
Replace Vehicle						\$ 40,000 \$ 40,000	Yes	Various	No			
Replace Vehicle	Replace Vehicle			ture Financing Pet		φ 10,000	Yes	Nashua	No	\$ 26.63		
Bowers Spillway Reconstruction	NHDES Regulatory requirement		Pu	ture Financing Per 0.1 DSRR	auon	\$ 1,100,000	Yes	Merrimack/Nashua	Yes	\$ 27.55		
Various IT initiatives	Various IT initiatives		1	0.1 DSRR		\$ 400,000	Yes	Nashua	No	\$ 26.63		1

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.

Pennichuck Water Works, Inc. DW 20-020 Projected 2021 QCPAC Capital Expenditures Revised 3/25/2020 per Staff DR1-6/30/2020 Update, No changes as of 9/30/2020