Pennichuck Water Works, Inc. DW 22-006 Computation of QCPAC Surcharge 2/14/2022, Revised 6/16/2022 per DOE Set 1 Data Responses Revised 7/14/2022 per DOE Set 2 Data Responses 9/30/2022 Update 11/30/2022 Update

	Approved DW19-084 Revenues	QCPAC For 2019 Capital Additions	QCPAC Surch	QCPAC For 202 harge for Capital Additions dditions forma		QCPAC Surcharge for 2020 Capital Additions	QCPAC For 2021 Capital Additions pro forma	for 20	C Surcharge 021 Capital dditions	QCPAC For 2022 Capital Additions pro forma	QCPAC Surcharge for 2022 Capital Addition	QCPAC For 2023 Capital Additions pro forma	QCPAC Surcharge for 2023 Capital Additions	QCPAC For 2023 Capital Additions pro forma	QCPAC Surcharge for 2023 Capital Additions
City Bond Fixed Revenue Requirement (CBFRR)	\$ 7,729,032	ş -	s 7	7,729,032 \$	- \$	7,729,032	s -	\$	7,729,032	\$ -	\$ 7,729,032		\$ 7,729,032		\$ 7,729,032
DW19-084 Operating Expense Revenue Requirement	\$ 21,296,618	(1) \$ 416,593	\$ 21	1,713,211 \$ 155	5,083 (4) \$	21,868,294	\$ 176,160	(4) \$	22,044,454 (4)	\$ 138,224	4) \$ 22,182,678	\$ 162,214 (4	\$ 22,344,892	\$ 282,692	(4) \$ 22,627,584
DW19-084 Annual Principal and Interest Payments	\$ 6,176,477	(2) \$ 854,442	\$ 7	7,030,919 \$ 351	1,395 (5) \$	7,382,314	\$ 408,348	3 (6) \$	7,790,662	\$ 387,765 (0) \$ 8,178,427	\$ 532,136 (10) \$ 8,710,564	\$ 816,561	(6) \$ 9,527,125
Principal and Interest Coverage Requirement	1.10	(3)		1.10		1.10			1.10		1.10		1.10		1.10
DW19-084 Principal and Interest Revenue Requirement	\$ 6,794,124		\$ 7	7,734,011	\$	8,120,546		\$	8,569,728		\$ 8,996,270		\$ 9,581,620		\$ 10,479,838
DW19-084 Revenue Requirement	\$ 35,819,774		\$ 37	7,176,254	5	37,717,871		\$	38,343,214		\$ 38,907,980		\$ 39,655,544		\$ 40,836,453
DW19-084 Revenue Requirement less Other Revenues	\$ 35,399,062	(12)	\$ 36	6,755,541	\$	37,297,159		\$	37,922,502		\$ 38,487,268		\$ 39,234,831		\$ 40,415,741
DW19-084 Revenue Requirement less Other Revenues less Fixed Special Contract Revenues	\$ 34,792,618	(8)	\$ 36	6,149,098	\$	36,690,716	3)	\$	37,316,058 (8)		\$ 37,880,824		\$ 38,628,388		\$ 39,809,297
Percent QCPAC Surcharge (7)				3.90%		1.56%			1.80%		1.62%		2.15%		3.39%
Cumulative QCPAC Surcharge (11)				3.90%		5.46%			7.25%		8.88%		11.02%		14.42%
Cumulative QCPAC monthly increase in average single family residential bill.			s	2.17	5	3.04		\$	4.04		\$ 4.94		\$ 6.14		\$ 8.02
Average monthly single family residential bill with QCPAC.	\$ 55.65		S	57.82	\$	58.69		\$	59.69		\$ 60.59		§ 61.79		\$ 63.68

Notes:			
(1) Operating Expense Revenue requirement is the sum of the Total Operating Expenses, Property Tax Expense, Amortization Expense and Payroll Tax Expenses approved	in NHPUC Order #26,425.		
(2) Annual Principal and interest payments for PWW debt associated with all plant in service as approved in DW 19-084.			
(3) Principal and interest coverage of 1.10 is as approved in DW 16-806.			
(4) QCPAC operating expenses are based on the property taxes for used and useful plant added during the year			
(5) Portion of Annual Principal and interest payments for debt associated with plant placed in service between 1/1/2020 and 12/31/2020 based on a		30 year bond with a projected interest rate of	4.056692% based on a bond issuance in April 2021
(6) QCPAC Principal and Interest expenses for Bonds sold on April 26, 2022 to pay for 2021 QCP's are as follows	30 year bond with an actual total all in interest rate of	4.277920% being the all-in TIC (Total Interst Cost) for the bonded amount of	\$6,695,000 resulting in an annual P&I payment of \$375,584
	3 year bond with an actual total all in interest rate of	4.277920% being the all-in TIC (Total Interst Cost) for the bonded amount of	\$90,000 resulting in an annual P&I payment of \$32,764
(7) QCPAC percent revenue surcharges based on increase in revenues from the revenues granted in DW 19-084			
(8) Reduction in revenues associated with fixed contracts as follows:	Hudson Annual Fixed Chg \$ 32,800	Milford Annual Fixed Chg \$ 81,000 A-B Annual Fixed Chg \$	371,430 PEU Annual Fixed Chg \$ 121,213
(9) QCPAC Principal and Interest expenses for DWGTF financing are based on a	30 year bond with interest rate of	3.38%	
(10) QCPAC Principal and Interest expenses for 2023, 2024 amd 2025 Bonds to be 2022, 2023 and 2024 QCP's are based on	30	6.00% for 2022 through 2024 Capital Expenditures unless	funding is via an SRF/DWGTF financing.
(11) Cumulative surcharge percentage is based on total surcharge revenues collected divided by the revenues granted in DW 19-084 that are impacted by the QCPAC.			
(12) Operating expense revenues approved in DW 19-084 less total Other Revenues of	\$ 420,712		

Impact on Single Family Residential Home:

		DW19-004
Monthly meter charge approved in DW 19-084 -	\$	24
Average Single Family Consumption per DW 19-084 (CCF) -		7
Volumetric Charge approved in DW 19-084 -	ş	4
Ave. Single Family monthly bill with rates approved in DW 19-084 -	\$	55

Second Content of the content of t	Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Board Approved 2019 Capex Budget	Board Approved 2019 Capex Budget, Revised 8/24/19		Final QCPAC eligible Project Costs as of 12/31/2019	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense (Based on Qrtly Update)	Explanation for Change/Addition/Deletion since Petition Filing
Control	New Services (10)	0 11						- /					_		
And Market B. B. And Market B. B. B. And Market B.		A													0 1
Selection of the control of the cont		1													
Second S				20 11 11 100	,		T 10,000	T 10,000		4					
Secretary (1966) Secretary (1															
The second column The			50 workorders	DW17-183	26,101		\$ 300,000	\$ 300,000	Yes	\$ 207,025				\$ -	1/32 installed/repaiced through 12/31.
Seminary Sem	Entrance Security Gate & Perimeter Fence						,	1,							
The content of the	1 / /							-		\$ 29,710					
Company Comp					,					\$ -					
Section Sect		<u> </u>			, -		7								
Marie Control Marie Contro					, .		,								
March Marc	Poly-Caster Sander		1917720	DW17-183	26,101	2/2/2018		, i	Yes	\$ 7,460	Merrimack	No	\$ 28.86	S -	
The part of the	2018 Dodge Ram 2500 (#313)	Carryover Costs to 2018 projects not recovered in prior QCPAC.		0.1 DSRR			\$ -	\$ 1,969	No	\$ 1,969	Merrimack	No			
The second of the control of the c							*						_		
The property of the contribution of the cont	0 \ /						7							-	
Mile Property Mile Mil								- /		* 1,000					
Company Comp			*********				7	+ -,	-1.0	* -,					
Second S	Meter Data Logging Equipment														Equipment used in leak detection.
March Marc	Gilman Street	Replace 1470 LF of 8 inch CI with 12 inch DIPCL.		DW17-183	26,101	2/2/2018	\$ 550,000								Payement contribution to the City of Nachua paid in 2018 (\$127.264)
March Marc	Elm Street	Replace 875 LF of 6 inch CI with 12 inch DIPCL.		DW17-183	26,101	2/2/2018	\$ 559,350	\$ 255,000	Yes	\$ 373,328	Nashua	Yes	\$ 26.23	\$ 9,792	Pavement contribution to City of Nashua of \$67,650 included.
Marches (Marches Marches March	Monroe Street	Replace 310 LF of 4 inch CI with 8 inch DIPCL.		DW17-183	26,101	2/2/2018	\$ 122,270	\$ 120,000	Yes	\$ 97,541	Nashua	Yes	\$ 26.23	\$ 2,558	· · · · · · · · · · · · · · · · · · ·
Section Control Cont	Garden Street			DW17-183	26,101	2/2/2018	ş -	\$ -	Yes	\$ 61,918	Nashua	Yes	\$ 26.23	\$ 1,624	a portion of the Garden Street water main. Per City almost all work had to be performed on Sunday nights.
Selected Van Programme (1987)	W.Pearl Street	*	1901603							· ·				0 1,072	
Second Company Seco			· .		/ -		- /	. ,		\$ 259,668				\$ 6,811	7
State Stat	West Fiolis Street Check Valve Pit	Install at the int of W. Hollis St and Pantner Dr.	11/2	DW1/-183	26,101	2/2/2018	\$ 88,000	\$ -	Yes		Nasnua	res	\$ 26.23	5 -	, , , , , , , , , , , , , , , , , , , ,
Second S	NWS Improvements - Manchester Street NWS Improvements - Pouts 101A and Pouts 121 (Amhorst)							·		-					included.
Section Proceedings (Annual Accordance Proceded (Annual Accordance Proceedings (Annual Accordance Proceedings (Annual Acco		· ·	1702835, 1806434,	Financing	26,197	12/3/2018									<u> </u>
Second Company Amend the Continue of the C	1		1700121	DW18-133						,			\$ 26.23		,
Section Process Proc	NWS Improvements - Deerwood Dr. Northwest Blvd Loop			†				- /							
Strong properties Stro	NWS Improvements Ponemah Rd/Route 101A Loop	3 11 7 0	1901611				\$ 484,000	\$ 484,000	Yes	\$ -	Nashua	Yes	\$ 26.23	S -	Project cancelled and replaced with piping in projects above.
For Name of Part Age 1965	NWS Improvements - Engineering Design and Inspection	Engineering and Inspection of NW System watermain improvements.		0.1 DSRR					No	\$ 174,347	Nashua	Yes	\$ 26.23	\$ 4,573	
Company Comp															
Section Page College					,						- 140-144				
Second								. , , ,							
Control Control State Control Cont					20,101	2/2/2016	*			\$ 17,400 \$ -					
Search Control Control 2019 Seption to concorned perior CYNNL. Control Control 2019 Seption to concorned perior CYNNL. Control Control 2019 Seption to concorned perior CYNNL. Control Control 2019 Seption to concorned perior CYNNL. Control Control 2019 Seption to concorned perior CYNNL. Control Control 2019 Seption to concorned perior CYNNL. Control Control 2019 Seption to concorned perior CYNNL. Control Control 2019 Seption to concorned perior CYNNL. Control Control 2019 Seption to concorned perior CYNNL. Control Control 2019 Seption to concorned perior CYNNL. Control Control 2019 Seption to concorned perior CYNNL. Control Control 2019 Seption to concorned perior CYNNL. Control Control 2019 Seption to concorned perior CYNNL. Control Control 2019 Seption to concorned perior CYNNL. Control Control 2019 Seption to concorned perior CYNNL. Control Control 2019 Seption to concorned perior CYNNL. Control Control 2019 Seption to concorned perior CYNNL. Control Control 2019 Seption to concorned perior CYNNL. Control 2019 Seption to concorned perior CYN	Woodward Avenue							,		\$ -	- 100-100				
Index Control Control (Not power on Storage on the According plant (CPC) FORM 1988	Ritter Street	Carryover Costs to 2018 projects not recovered in prior QCPAC.	1910116	0.1 DSRR			\$ -	\$ 6,890	No	\$ -	Nashua	Yes	\$ 26.23	S -	Carry over costs from project completed in 2018, pay for with 0.1 DSRR.
Interpretable Spream Page Composed for See 2001 type required or control control or See 2001 type required or or see 200	Factory Street	Carryover Costs to 2018 projects not recovered in prior QCPAC.					\$ -	\$ 20,209		\$ 20,209					· · · · · · · · · · · · · · · · · · ·
Francis Abache 15° Sectiver man and retric construction over magnetial bif water man. 19556 0.1 Page 1.5 m.	Taylor Street						\$ -	ę <u>2</u> 33	- 1.0	4	- 100-100				
The section of the control of the co							\$ -	7 -0.	- 10	4 -0.	- 140-144				
Possible		<u> </u>									- 1110-11111			-	
19 Of Nahab Prings; Part N + Fresh Personant extensions and fails backgrough 1908-14, 1907-169 1909-14 190							5 -								complete.
1907 1907															
Section Manual Summer Set Will Stift Speak Manual Stift Spea	,														
Main S feal protting a intersections with Fastory S. Carry over from 2017. 1994(a) 1995(b) 1994(a) 1995(b) 1994(a) 1994(a) 1994(b) 1994(a) 1															
Paring only Cardy over from 2017 Paring only Cardy over from 2018 Paring only Cardy over from 2018 Paring only Cardy over from 2018 Paring only Cardy over from 2017 Paring only Cardy over from 2018 Paring only Cardy over from 2017 Paring only Ca	City of Nashua 2 Simon St at Will St Opgrade City of Nashua Paving - Main St.														
Paring only - Carry over from 2017 Paring on							-	- /						\$ 480	Final paving bill for this project.
1958 1958	City of Nashua Paving - Lowell St - Carry over from 2017	Paving only - Carry over from 2017.	1915857	DW17-183	26,101	2/2/2018	\$ -	\$ 37,000	Yes	\$ 37,084	Nashua	Yes	\$ 26.23	\$ 973	Final paving bill for this project.
191848 191849 1	City of Nashua Paving - Green St - Carry over from 2017														
Paving only - Carry over from 2017 Paving on								- /							
1502181, 1601400 1502181, 16														-	
1901612, 1908505 DW19-026	,		1502180, 1601369,	DWGTF											Bids higher than Engineers estimate due to tight contractor market and changes in final permit requirements
Seet Management Water Modeling Consulting Water Modeling Consulting Water Modeling Consulting Seet Management Trimble R2 Units Seet Management Tri			1901612, 1908505	DW19-026											
Seet Management Timible R2 Units 1900414 DW17-183 26,101 2/2/2018 \$ 14,000 Yes \$ - Various Yes \$ 27.02 \$ - Various Yes \$	Asset Management Water Modeling Consulting									\$ -					<u> </u>
VAM/Synergen Upgrade Cost & Functionality Study 1900568, 1910219 0.1 DSRR 5 45,000 No \$ 27,804 Various No \$ 27,02 \$ - Study to select replacement of Synergyn CMMS system which goes unsupported at the end of 2020.	Asset Management Trimble R2 Units									\$ -					
1907 Ford Escape 1907481 19074	WAM/Synergen Upgrade Cost & Functionality Study	WAM/Synergen Upgrade Cost & Functionality Study	1900568, 1910219	0.1 DSRR			\$ -	\$ 45,000	No			No	\$ 27.02	\$ -	
over Dam reconstruction and engineering Bower Dam reconstruction and engineeri							\$ 60,000								
Perform Hydraulic and Hydrology analysis, design improvements to address spillway capacity. 1901734, 1907078 \$ 35,000 No \$ - Merrimack No \$ 28.86 \$ - Letter of deficiency issued by the NHDES Dam Bureau regarding inadequate spillway capacity for this date after in Dam Letter of Defficiency design/analysis Perform Hydraulic and Hydrology analysis, design improvements to address spillway capacity. 1907076 1907078 1907078 1907078 1907078 1907078 1907078 1907078 1907078 1907078 1907078 1907078 1907078 1907078 1907078 1907078 1907076 190707		 			26,101	2/2/2018	\$ -								
larris Dam Letter of Defficiency design/analysis Perform Hydraulic and Hydrology analysis, design improvements to address spillway capacity. 1907076 0.1 DSRR \$ 40,000 No \$ - Merrimack No \$ 28.86 \$ - Letter of deficiency issued by the NHDES Dam Bureau regarding inadequate spillway capacity for this dam							a 25,000			9 -					
	, ,	, , , , , , , , , , , , , , , , , , , ,						,		÷ -					
upply Pond Letter of Deficincy design/analysis Perform Hydraulic and Hydrology analysis, design improvements to address spillway capacity. 1907077 0.1 DSRR \$ 35,000 No \$ - Merrimack No \$ 28.86 \$ - Letter of deficiency issued by the NHDES Dam Bureau regarding inadequate spillway capacity.	Harris Dam Letter of Deficiency design/analysis		1907076 1907077	0.1 DSRR 0.1 DSRR				\$ 40,000 \$ 35,000		-		No No			Letter of deficiency issued by the NHDES Dam Bureau regarding inadequate spillway capacity for this dam 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								
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	workorders				\$ 40,000 \$	15,445	Yes	\$ 11,260	Various	Yes	\$ 27.02 \$	304 0 pumps replaced, 5 rebuilds through 12/31/2019.
ooster Pump replacement/rebuild	WTP Rebuild pump end, Intermediate Pump #3	1914986	DW17-183	26,101	2/2/2018	\$ - \$	24,555	Yes	\$ 24,554	Nalshua	Yes	\$ 26.23 \$	644 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			-,-,-	\$ 15,000 \$	15,000	Yes	\$ 16,995	Various	Yes	\$ 27.02 \$	459 Freplaced diffolight 12/31/2019.
		60, 61, 62 & 63		26,101	2/2/2018								
Chemical Feed pump replacements	Chemical Feed pump replacements	workorders	DW17-183			\$ 10,000 \$	10,000	Yes	\$ -	Various	Yes	\$ 27.02 \$	- No replacements occurred during 2019.
Upgrade SCADA historian software, new hardware	Upgrade SCADA historian software, new hardware	n/a	DW17-183	26,101	2/2/2018	\$ 150,000 \$	150,000	Yes	\$ -	Various	Yes	\$ 27.02 \$	 Scope of project was more clearly defined resulting in a reduction in cost.
Twin Ridge rebuild softener system, install radon treatment.	Twin Ridge rebuild softener system, install radon treatment.	1907731	DW17-183	26,101	2/2/2018	\$ 50,000 \$	50,000	Yes	\$ 11,112	Plaistow	Yes	\$ 25.93 \$	288 Project scope was limited to MTM media replacement.
Misc. Structural Improvements	Misc. Structural Improvements	n/a	DW17-183	26,101	2/2/2018	\$ 20,000 \$	10,700	Yes	\$ -	Various	Yes	\$ 27.02 \$	 Reduced by replacement of failed Fire Alarm CPU.
Misc. Structural Improvements	Replace Fire Alarm System CPU.	1907102, 1910221	DW17-183	26,101	2/2/2018	\$ - \$	9,300	Yes	\$ 9,251	Nashua	Yes	\$ 26.23 \$	243 Fire Alarm CPU failed due to electrical surge.
fisc. Structural Improvements	Replace Natural Gas Heater, High Pine Station.	1917491	DW17-183	26,101	2/2/2018			Yes	\$ 4,050	Nashua	Yes	\$ 26.23 \$	106 Failed heater. Part of run rate Misc Structural Improvements.
•				26.101	2/2/2010								·
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased	n/a	DW17-183	26,101	2/2/2018	\$ 17,500 \$	9,928	Yes	S -	Various	Yes	\$ 27.02 \$	-
Miscellaneous Equipment Purchased	Purchase 2 Gas Monitors for WS Confined Space Program.	1907611	DW17-183	26,101	2/2/2018	S - S	4,568	Yes	\$ 4,568	Nashua	Yes	\$ 26.23 \$	120 Routine Miscellaneous Equipment purchase
fiscellaneous Equipment Purchased	Purchase Entry Tripod and Winch for WS Confined Space Program.	1910296	DW17-183	26,101	2/2/2018	S - S	3,004	Yes	\$ 3,004	Nashua	Yes	\$ 26.23 \$	79 Routine Miscellaneous Equipment purchase
Miscellaneous Equipment Purchased	Replace Chlorine Analyzer, Twin Ridge	1915362	DW17-183	26,101	2/2/2018	S - S	-	Yes	\$ 4,449	Nashua	Yes	\$ 26.23 \$	117 Routine Miscellaneous Equipment purchase
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	n/a	DW17-183	26,101	2/2/2018	\$ 30,000 \$	30,000	Ves	8 -	Various	Yes	\$ 27.02 \$	
Miscellaneous SCADA/Electrical	Replace VFD, Pump #1 Bowers Landing	1916547	DW17-183	26,101	2/2/2018	\$ 50,000	30,000	Yes	\$ 2,118	Various	Yes	\$ 27.02 \$	57
WTP Structural/HVAC	WTP Structural/HVAC	n/a	DW17-183	26 101	2/2/2018	\$ 10,000 \$	10.000	Yes	e 2,110	Nashna	Yes	\$ 26.23 \$	31
				26,101	2/2/2018	5 10,000 5	10,000		8 0.220	radian		\$ 26.23 \$	AND WITH C
TTP Structural/HVAC	Replace Heat Exchanger, WTP Office	1917470	DW17-183			5 - 5		Yes	\$ 8,328	Nashua	Yes		218 WTP Structural/HVAC project
urchase new lab equipment	Purchase new lab equipment	n/a	DW17-183	26,101	2/2/2018	\$ 20,000 \$	18,500	Yes	3 -	Nashua	Yes	\$ 26.23 \$	- Reduced by purchase of HACH DR 900 below
urchase new lab equipment	HACH DR 900	1908450	DW17-183	26,101	2/2/2018	5 - \$	1,500	Yes	\$ 1,435	Nashua	Yes	\$ 26.23 \$	38
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	DW17-183	26,101	2/2/2018	\$ 10,000 \$	10,000	Yes	\$ -	Various	Yes	\$ 27.02 \$	•
Miscellaneous Fencing and Security projects	WTP Perimeter Fence Carryover	1901608	DW17-183	26,101	2/2/2018	\$ - \$	-	Yes	\$ 6,744	Various	Yes	\$ 27.02 \$	182
Purchase new vehicle for Water Supply Electrician.	Purchase of a new vehicle for the Water Supply Electrician.	1918314	DW17-183	26,101	2/2/2018	\$ - \$	-	Yes	\$ 28,897	Nashua	No	\$ 26.23 \$	 Unbudgeted. Made necessary due to the premature retirement of 2 dept. vehicles.
Replace Ferric Chloride Feed pump.	Replace Ferric Chloride Feed pump.	1901613	DW17-183	26,101	2/2/2018	\$ - \$	-	Yes	\$ 1,713	Nashua	Yes	\$ 26.23 \$	45 Pump rebuild was determined to be best course.
C. 1	G 1 F 1 - G 10 2	40044440 4044700	DW45 400	26.101	2/2/2010	e 1,000,000 e	4.050.000	37	8 000 ((2	N. 1	37	0 00 00 0	New PFAS regulations require that all filter media be changed out to ensure compliance with the new PF
Carbon media changeout-filters 1 & 2.	Carbon media changeout-filters 1 & 2	1901614 & 1916780	DW17-183	26,101	2/2/2018	\$ 1,000,000 \$	1,050,000	Yes	\$ 990,662	Nashua	Yes	\$ 26.23 \$	25,985 standard which is slated to go into effect on October 1, 2019. Filter media replacement being staged over
													month intervals. 8 of 12 filters to be replaced in 2019, remaining four filters to be replaced in Spring 202
Add 3rd pump at Main Dunstable Booster, replace 1 existing.	Add 3rd pump at Main Dunstable Booster, replace 1 existing.	n/a	DW17-183	26,101	2/2/2018	\$ 120,000 \$		Yes	\$	Nashua	Yes	\$ 26.23 \$	- Addition of 3rd pump deferred or 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	\$ 120,000 \$		Yes	\$ 15,995	Nashua	Yes	\$ 26.23 \$	420
Rebuild Main Dunstable pump #1		1901013	DW1/-103	20,101	2/2/2010	, - 9	-	1 es	9 13,773	ivasiiua	168	ş 20.23 ş	420
D 1 1/2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Replace 20 year old package booster station pumps and piping. Piping is steel which is beginning	n/a	DW17-183	26,101	2/2/2018	\$ 75,000 \$	75 000	Yes	e	Nashua	Yes	s 26.23 S	- Project deferred until 2020
Replace Kessler Farm booster pump package. Stump Pond Subwatershed assessment	Stump Pond Subwatershed assessment	n/a	0.1 DSRR			\$ 25,000 \$	25,000	No	9 -	Merrimack	No	\$ 28.86 \$	- Study - Pay for with 0.1 DSRR
Stump Pond Stormwater BMP		1908373						No	8 1210	Merrimack	No No		- Study - Pay for with 0.1 DSRR - Study - Pay for with 0.1 DSRR
	Stump Pond Stormwater BMP		0.1 DSRR			\$ 20,000 \$	20,000		\$ 1,310			\$ 28.86 \$	· · · ·
Public Education -Watershed signage	Public Education -Watershed signage	n/a	0.1 DSRR	24404	2 (2 (2010	\$ 20,000 \$	20,000	No		Merrimack	No	\$ 28.86 \$	- Study - Pay for with 0.1 DSRR
Replace 2 Hach Turbidimeters and associated control module	Replace 2 Hach Turbidimeters and associated control module.	1901618	DW17-183	26,101	2/2/2018	\$ 10,000 \$	10,000	Yes	\$ 7,978	Nashua	Yes	\$ 26.23 \$	209
Camera System Upgrade	Carryover Costs from 2018 Project.	1819073, 1900413	0.1 DSRR			\$ - \$	7,500	No	\$ 9,756	Nashua	Yes	\$ 26.23 \$	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			\$ - \$	24,600	No	\$ 39,520	Merrimack	No	\$ 28.86 \$	- Study - Pay for with 0.1 DSRR
Source Water Protection Study	Carryover Costs from 2018 study.	1901740	0.1 DSRR			\$ - \$	12,000	No	\$ 11,000	Merrimack	No	\$ 28.86 \$	- Study - Pay for with 0.1 DSRR
Aquatic Vegetation Assessment	Carryover Costs from 2018 study.	1807147, 1906080	0.1 DSRR			\$ - \$	4,200	No	\$ 9,545	Merrimack	No	\$ 28.86 \$	- Study - Pay for with 0.1 DSRR
Fiber Conduit between WTP and Dist	Install Fiber Conduit between Water Treatment Plant and Distribution to eliminate ongoing	1901619	DW17-183	26,101	2/2/2018	\$ 40,000 \$	40,000	Yes	\$ 22,896	Nashua	Yes	\$ 26.23	
Fiber Conduit between w 11 and Dist	Comcast Ethernet line to one of the buildings.	1901019	DW1/-103	20,101	2/2/2010	\$ 40,000 \$	40,000	105	22,090	ivasiiua	1 05	\$ 20.23 S	601
Munis FER Enhancements	Munis FER Enhancements	n/a	DW17-183	26,101	2/2/2018	\$ 35,000 \$	35,000	Yes	\$ -	Merrimack	No	\$ 28.86 \$	- No upgrades enhancements will be completed in 2019.
Wireless Access Points for Main Office	Wireless Access Points for Main Office	n/a	DW17-183	26,101	2/2/2018	\$ 14,000 \$	-	Yes	S -	Merrimack	No	\$ 28.86 \$	Monies moved to Veeam Backup Project.
	Keyboard Video Mouse for Data Center so that multiple servers can be accessed by one console	·			i								* ′
KVM for Data Center	without having to move the Monitor/Keyboards/ Mouse connections each time.	n/a	DW17-183	26,101	2/2/2018	\$ 2,500 \$	_	Yes	s -	Merrimack	No	\$ 28.86 \$	
OS Charging Station	Charging Station for multiple iPads to allow for upgrades across multiple devices concurrently.	n/a	DW17-183	26.101	2/2/2018	\$ 1,200 \$	_	Yes	\$ -	Merrimack	No	\$ 28.86 \$	_
or oranging cannon	Simple devices concurrently.	/ **	2 117-103	,	-, -, 2010			. 0	-		140	20.00	
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	\$ -	Merrimack	No		
												\$ 28.86 \$	-
	A pilot to determine whether a Virtual Desktop Infrastructure would be feasible for our		DW17-183	26,101	2/2/2018							1	
VDI Pilot	environment.	n/a	DW17-103	20,101	2/2/2010	\$ 12,000 \$		Yes	\$ -	Merrimack	No	\$ 28.86 \$	-
Misc Hardware	Misc Hardware	n/a	DW17-183	26,101	2/2/2018	\$ 20,000 \$	20,000	Yes	\$ -	Merrimack	No	\$ 28.86 \$	-
fisc Hardware	Mount in Vehicles	1908308	0.1 DSRR	Ĺ		S	-	No	\$ 1,248	Merrimack	No	\$ 28.86 \$	-
Misc Hardware	2 iPad Pros for IS Testing	1908309	0.1 DSRR			S	_	No	\$ 2,298	Merrimack	No	\$ 28.86 \$	-
fisc Software	Misc Software	n/a	DW17-183	26,101	2/2/2018	\$ 12,000 \$	12.000	Yes	S -	Merrimack	No	\$ 28.86 \$	
Vebsite upgrades		n/a	DW17-183	26,101	2/2/2018	\$ 8,000 \$	8,000	Yes	\$	Merrimack	No	\$ 28.86 \$	
mplement Customer Balances over the phone	Website upgrades	n/a	DW17-183	26,101	2/2/2018	\$ 6,000 \$	25,500	Yes	9	Merrimack	No No	\$ 28.86 \$	- Deferred
1	Implement Customer Balances over the phone.	11/11		20,101	2/2/2010		23,300		-		-1.0	20.00	- Detetion
Click Resource Assistant	Allow for the moving of customer Appointment from an generic resource to a named resource.	1907952	0.1 DSRR	1		\$ -	22,828	No	\$ 22,828	Merrimack	No	\$ 28.86 \$	-
Database Server License for GIS and other Apps	Purchase Server license for Virtual Environment.	1915920	DW17-183	26,101	2/2/2018	\$ - s	1.1	Yes	\$ 7,305	Merrimack	No	\$ 28.86 \$	- Previously licensed software was not suitable for Virtual environment.
	Replacement of existing backup software due to exorbitant vendor fees to keep original system	1713720	22.77.2.200	,	-/-/	- 9						20.00	
Veeam Backup Software	rupping	1909216	0.1 DSRR	1		\$ -	25 550	No	\$ 15,530	Merrimack	No	\$ 28.86 \$	
	numing.		0.4 DCDP			3	23,330		4	Mandagal	No		n 1 (2.11)
u ncow c	New RCO Manager Computer	1917001	0.1 DSRR	.	1	> -		No	\$ 1,797	Merrimack	-10	\$ 28.86 \$	- Replace failed desktop computer.
	Irran management	1915117	0.1 DSRR	26,101	2/2/2018	\$ -		No	\$ 36,355	Nashua	No	\$ 26.23 \$	Engineering for tank to be constructed in 2020.
	Kessler Farm Tank Design		TO 11/14 Ft 4 0 0	0.04.04	0./0./0040			Yes				e 20.07 e	In : ::: accord according :
Kessler Farm Tank Design	Payment of Retainage for projects that were used and useful in 2018.		DW17-183	26,101	2/2/2018	\$ - \$	- 1	1 es	\$ 33,586	Merrimack	No	\$ 28.86 \$	 Retainage paid in 2019 for 2018 QCPAC projects.
Kessler Farm Tank Design Retainage			DW17-183 DW17-183	26,101	2/2/2018	\$ - \$ \$ - \$	-	Yes	\$ 33,586 \$ 230,645	Various Various	No No	\$ 28.86 \$	- Retainage paid in 2019 for 2018 QCPAC projects.
New RCO Manager Computer Kessler Farm Tank Design Retainage Short term interest on the PWW Fixed Asset Line of Credit. Performance Management Platform Implementation & Technical Integration	Payment 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.	1916551			.,.,	\$ - \$ \$ - \$ \$ - \$					- 1.0		
Kessler Farm Tank Design Retainage	Payment of Retainage for projects that were used and useful in 2018.	1916551 1918363	DW17-183	26,101	2/2/2018	\$ - \$ \$ - \$ \$ - \$ \$ - \$	-	Yes	\$ 230,645	Various	No	S	

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

1. Tax rate is the sum of the local community rate plus the Statewide Utility tax rate of \$6.60/\$1000
2. Projects funded by 0.1 DSRR funds are not QCPAC eligible because the cash to fund these projects is not bonded. Total 2019 Capex to be funded by 0.1 DSRR funds -

Portion of Annual Principal and interest payments for debt associated with plant placed in service between 1/1/2019 and 12/31/2019 based on a
 QCPAC Principal and Interest expenses for DWGTF financing for the North West System improvements are based on a
 QCPAC Principal and Interest expenses for DWGTF financing for the Merrimack River Intake are based on a

12/31/2019

\$\frac{12}{31}\cdot{2019}\$
\$\frac{42}{640}\$ The \$12\structure{31}\cdot{2019} 0.1 DSRR amount has been increased by to reflect the Staff DR21 response indicating that
\$\frac{21}{175}\$
of the project costs being funded with DWGTF is being funded with 0.1 DSRR monies.

30 year bond with an actual total all in interest rate of \$\frac{4.261869\%}{2.704\%}\$
resulting in annual P&I expenses of resulting in annual P&I expenses of 30 year bond with interest rate of \$\frac{3.380\%}{2.704\%}\$
resulting in annual P&I expenses of resulting in annual P&I expenses of \$\frac{3.380\%}{2.704\%}\$ 427,022 140,376 287,045

								Estimated Project I	Estimated Project	Estimated Project					QCPAC Eligible	
Project Name/Description	Reduce Description	Wash Oalas #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Board Approved 2020 Capex Budget	QCPAC Eligible?	Cost as of 6/30/2020	Cost as of 9/30/2020	Cost as of 11/30/2020	Final Project cost as of 12/31/2020	Community	Taxable	2020 Tax Rate (1)	Property Tax Expense	Explanation for Change/Addition/Deletion from Board Approved 2020 Capex Budget
New Services (10)	Project Description Single Family, Owner Build, New Homes	Work Order # 20 workorders	DW17-183	26,101	2/2/2018	\$ 50,000	Yes	\$ 25,000 \$	25 000		\$ 36.746	Various	Yes	\$ 28.45		6 new services through 12/31/20.
Renewed Services (20)	Replacement of failed services.	21, 22 & 23 workorders	DW17-183	26,101	2/2/2018	\$ 110,000	Yes	\$ 60,000 \$	75,000	,	\$ 68,052	Various	Yes	\$ 28.45		19 Renewed Services Installed through 12/31/2020.
Hydrants (10)	Replacement of non-functional hydrants (Run rate) (8 YTD)	30 & 31 workorders	DW17-183	26,101	2/2/2018	\$ 60,000	Yes	\$ 44,000 \$	55,000		\$ 41,401	Various	Yes	\$ 28.45		9 Hydrants Repaired/Replaced through 12/31/2020.
Gates (10) Radios (560)	Replacement of Failed Gate Valves Replacement of out of Warrantee Failed Radios (280). New Meters for new customers (280).	12 & 13 workorders 54 workorders	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018	\$ 40,000 \$ 58,000	Yes	\$ 40,000 \$ \$ 40,000 \$	50,000		\$ 43,189 \$ 50.832	Various	Yes Yes	\$ 28.45 S		12 Gates Repaired/Replaced through 12/31/2020. 498 Radios Installed/Replaced through 12/31/2020.
Meters (Growth) 5/8"-2" - Core & CWS (280)	Meters (Growth) 5/8"-2" - Core & CWS (280)	50 workorders	DW17-183	26,101	2/2/2018	\$ 29,000	Yes Yes	\$ 55,300 \$	91,000	. ,	\$ 50,832 \$ 94,393	Various Various	Yes	\$ 28.45		631 Meters Installed/Replaced through 12/31/2020.
Meters 5/8"-6" - Replace faled meters - Core & CWS (200)	Meters 5/8"-6" failed meters - Core & CWS (200)	50 workorders	DW17-183	26,101	2/2/2018	\$ 21,000	Yes	\$ -				Various	Yes	\$ 28.45	í -	Total included in row above.
Replace Mud sucker pump	Replace 15+ year old ditch pump.	2005200	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 6,356 \$	6,356	\$ 6,356	\$ 6,356	Various	Yes	\$ 28.45	181	
Replacement Utility Truck	Replacement for #47 - 2006 Ford F-350, 130K miles Does not pass inspection. Replacement for #76 - 2008 Ford F-350, 150K miles. Does not pass inspection.	2006391	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018	\$ 70,000 \$ 70,000	Yes	\$ 70,000 \$	70,000		\$ 66,969 \$ 68,951	Merrimack	No No	\$ 28.52	-	
Replacement Utility Truck	Replacement for #4- 2010 Ford F-350, 130K miles, Does not pass inspection. Replacement for #4- 2010 Ford F-350, 140K miles Does not pass inspection.	2006390	DW17-183	26,101	2/2/2018	\$ 70,000 \$ 70,000	Yes Yes	\$ 70,000 \$	70,000	10,000	\$ 68,429 \$	Merrimack	No No	\$ 28.52 S	-	
Replacement Utility Truck Valve Turner & Vac Truck	Replacement for #60 - 14 Year Vac Trailer w/excessive rot, will not pass inspection.	n/a	DW17-183	26,101	2/2/2018	\$ 160,000	Yes	S - S	70,000	S -	\$ 00,427	Merrimack Merrimack	No	\$ 28.52		Deferred. Not avialable due to impact of COVID19 on manufacturing.
Foreman's Truck	Replacement for #59 - 2011 International, 120K Miles, High Hours, Electrical, body issues.	2004436	DW17-183	26,101	2/2/2018	\$ 140,000	Yes	\$ 140,000 \$	140,000	\$ 140,000	\$ 79,206	Merrimack	No	\$ 28.52	-	Deferred until 2020.
Locker Room Benches @ Distribution Facility	Permanent Benches for Male & Female locker rooms.	n/a	DW17-183	26,101	2/2/2018	\$ 7,500	Yes	\$ 7,500 \$		S -		Merrimack	Yes	\$ 28.52	-	Defered until 2021 due to COVID19 delays.
Locker Room Deep Wash Sinks	Deep stainless wash sinks to replace existing sinks in male & female locker rooms.	n/a	DW17-183	26,101	2/2/2018	\$ 7,500	Yes	\$ 7,500 \$	7,500	\$ -		Merrimack	Yes	\$ 28.52		Deferred until 2021 due to COVID19 delays.
Office Space for Const & Maint Supervisor	Permanent office space for Contruction & Maintenance Supervisor. Repair Hill Sides @ 16 DWH and overseed with erosion mix.	n/a 2008276	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018	\$ 12,000 \$ 12,000	Yes	\$ 12,000 \$ \$ 12,000 \$	12.000	\$ 12.550	\$ 15 350	Merrimack Merrimack	Yes Yes	\$ 28.52 S	-	Deferred until 2020 due to COVID19 delays.
Landscape improvements Automatic Entrance Gate @ Distribution Facility	Replace manual gate @ Distribution facility with automatic gate.	2008276	DW1/-183	0.1 DSRR	2/2/2018	\$ 12,000 \$ 10,000	Yes No	\$ 12,000 \$ \$ 10,000 \$	12,000		\$ 15,350 \$ 3,083	Merrimack	Yes	\$ 28.52 S	438	Work delayed on long range gate reader until 2021, due to COVID19.
Emergency Gas Detection Meters	Emergency Gas Detection Meters	2006/18	DW17-183	26.101	2/2/2018	\$ 10,000	Yes	\$ 10,000 \$	10,411		\$ 3,063 \$ 10.411	Merrimack	Yes	\$ 28.52		Replace exsisting failed tritector.
Replacement Equipment/Excavator Trailer	Replacement Equipment/Excavator Trailer	2007566	DW17-183	26,101	2/2/2018	S -	Yes	s - s	- 10,111	\$ 19,457	\$ 17,917	Merrimack	No	\$ 28.52	i -	nephec existing miled traction
Buyout Lease of HP T2530PS Large Format Printer (OPS)	Buyout Lease of HP T2530PS Large Format Printer (OPS).	2008268	DW17-183	26,101	2/2/2018	ş -	Yes	s - s	-	\$ 6,994	\$ 4,995	Merrimack	No	\$ 28.52	-	
West Hollis Street Check Valve Pit	Install at the intersection of W. Hollis St and Panther Dr.	n/a	DW17-183	26,101	2/2/2018	\$ 88,000	Yes	S - S	-	S -		Nashua	Yes	\$ 27.13	-	Deferred
NWS Improvements - Manchester Street NWS Improvements - Descripted Dr. Northwest Blind Loop	Install 1700 LF of 24 inch DI and new Fencing. Add 3400 LF of 20 inch HDPE including RR pipe jacking.	2000383 2000386		DWGTF DWGTF		\$ 125,000 \$ 40,000	Yes Yes	\$ 140,000 \$ \$ 25,000 \$,	,	\$ 85,059 \$ 19,576	Nashua Nashua	Yes Yes	\$ 27.13	2,308	
NWS Improvements - Deerwood Dr. Northwest Blvd Loop NWS Improvements Veteran's Rd/Route 101A Loop	Add 3400 LF of 20 inch HDPE including RR pipe jacking. Add 2200 LF of 12 inch DIPCL to close two loop major dead ends.	2000386		DWGTF		\$ 40,000 \$ 125,000	Yes	\$ 25,000 \$ \$ 125,000 \$	25,000 125,000	,	\$ 19,5/6 \$ 125,566	Nashua Nashua	Yes Yes	\$ 27.13 S	3,407	
NWS Improvements Tinker Road Paving and restoration	NWS Improvements Tinker Road Paving and restoration.	2000385		DWGTF		\$ 125,000 \$ 125,000	Yes	\$ 32,000 \$	32,000		\$ 125,458	Nashua	Yes	\$ 27.13	3,404	
Simon & Will Street - Paving	Simon & Will Street - Paving	2000387	DW17-183	26,101	2/2/2018	\$ 30,000	Yes	\$ 30,000 \$	30,000	\$ -		Nashua	Yes	\$ 27.13	-	Deferred
Garden Street - Final Paving	Garden Street - Final Paving Replace 2950 LF of 6 inch CI with 12 inch DIPCL (Paving).	2000388 2000378	DW17-183	26,101	2/2/2018	\$ 18,000	Yes	\$ 18,000 \$	18,000		e 10.500	Nashua	Yes	\$ 27.13	-	Deferred
City of Nashua Sewer - Lake Street	require 2730 for 0 men of with 12 men DIFOL (Faving).		DW17-183 DWGTF Financing	26,101	2/2/2018	\$ 30,000	Yes	\$ 30,000 \$			\$ 10,589	Nashua	Yes	\$ 27.13	287	
Merrimack River Intake	Year Round Raw Water Intake from Merrimack River	2000380	DWG1F Financing DW19-026	26,247	5/3/2019	\$ 140,375	Yes	\$ 192,109 \$	192,109	\$ 192,109	\$ 140,375	Merrimack	Yes	\$ 28.52	4,003	Amount of MRI raw water intake funds still avialable from DWGTF.
Merrimack River Intake	Year Round Raw Water Intake from Merrimack River	2000380	DW17-183	26,101	2/2/2018	\$ 221,625	Yes	\$ 247,891 \$	260,000	\$ 260,000	\$ 253,590	Merrimack	Yes	\$ 28.52	7,232	Project cost increased by \$80,000 to develop Source Water Protection plan required by NHDES.
Replace Kessler Farm booster pump package	Replace 31 year old package booster station pumps and piping.	2000389	DW17-183	26,101	2/2/2018	\$ 75,000		\$ 178,000 \$	200,600	\$ 188,000	\$ 190,901	Nashua	Yes			Budget to be increased as a portion of site work for the Kessler Farm Tank was transferred to this project. Winning project bid v
Risk and Resilience Assessment and Emergency Response Plan	Complete Risk and Resilience Assessment and Emergency Response Plan as required by the	2002053		26,101	2/2/2018	\$ 120,000	Yes Yes	\$ 120,000 \$	120,000	\$ 120,000	\$ 117,274	Various	No	\$ 27.13 : \$ 28.45	5,179	higher than engineer's estimate.
<u> </u>	USEPA.		DW17-183					· ·							-	
Asset Management - GIS QA/QC ahead of NEW CMMS	GIS QA/QC Ahead of NEW CMMS Replace 225 LF of 4 inch and 915 LF of 6 inch CI with 1140 LF of 8 inch DIPCL.	1900414, 2000362 1502511, 2003423	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018	\$ 40,000	Yes Yes	\$ 40,000 \$ \$ 274,000 \$			\$ 56,448 \$ 257,109	Merrimack Nashua	Yes Yes	\$ 28.52 S	1,610	
Brook Street (Lake St Area PH2) Hamilton Street (Lake St Area PH2)	Replace 410 LF of 6 inch CI with 4 inch DIPCL.	1502511, 2003423	DW17-183 DW17-183	26,101	2/2/2018	\$ 380,000 \$ 87,000	Yes	\$ 2/4,000 \$ \$ 63,000 \$				Nashua Nashua	Yes	\$ 27.13 : \$ 27.13 :	3,420	Restoration work slated for 2021 was completed in 2020.
Burritt Street (Lake St Area PH2)	Replace 425 LF of 4 inch CI with 8 inch DIPCL.	1502513, 2003420	DW17-183	26,101	2/2/2018	\$ 141,000	Yes	\$ 95,000 \$	108,700		\$ 134,733	Nashua	Yes	\$ 27.13	3,655	
Burritt Street (Lake St Area PH2)	Replace 125 LF of 4 inch CI with 4 inch DIPCL.	n/a	DW17-183	26,101	2/2/2018	\$ 38,000	Yes	\$ 27,000 \$				Nashua	Yes	\$ 27.13		Included in row above.
Verona Street (Lake St Area PH2)	Replace 675 LF of 6 inch CI with 8 inch DIPCL. Replace 250 LF of 6 inch CI with 8 inch DIPCL.	2007542 n/a	DW17-183 DW17-183	26,101 26,101	2/2/2018	\$ 226,000 \$ 83,000	Yes Yes	\$ 162,000 \$ \$ 62,000 \$	173,900 118,100	·	\$ 182,847	Nashua Nashua	Yes Yes	\$ 27.13 S	4,961	Required the use of temporary main that was not initially part of the design.
Sarasota Ave (Lake St Area PH2)	Abandon Approx. 700 LF of AC Main, Transfer 2 services & 1 Hyd to parallel 8" DIPCL water				-, -,				,			- 1110111111			-	
Amherst Dodge Rd Watermain Abandonment	main.	2001229	DW17-183	26,101	2/2/2018	\$ 20,000	Yes	\$ 71,000 \$	105,750	\$ 146,000	\$ 149,710	Amherst	No	\$ 32.93	-	Scope of job expanded to replace multiple broken or leaking valves discovered during the shutdown process.
Kessler Farm Tank Replacement	Replaced 4 MG painted steel water tank with 4 MG prestressed, precast water tank.	2000379		0.1 DSRR		\$ 3,388,000	No	\$ 60,000 \$	60,000	\$ 60,000	\$ 65,161	Nashua	No	\$ 27.13	:	Design only. Construction deferred until 2021.
Replace Engineering Pickup	2020 Ford Escape SE - Replace Vehicle #101	2006652	DW17-183	26,101	2/2/2018	\$ 35,000	Yes	\$ 35,000 \$	24,431	\$ 24,431	\$ 23,470	Merrimack	No	\$ 28.52	-	
Replace Engineering SUV #34	2020 Ford Escape SE - Replace Vehicle #401	2006755	DW17-183	26,101	2/2/2018	\$ 30,000	Yes	\$ 30,000 \$	23,474		\$ 24,432	Merrimack	No	\$ 28.52	-	
Investment in developer installed services at 1xannual revenue	Per tariff	n/a	DW17-183	26,101	2/2/2018	\$ 60,000	Yes	\$ 84,000 \$	62,000	\$ 80,000	\$ 79,591	Various	Yes	\$ 28.45	2,265	136 Developer Installed Services through 12/31/2020.
Asset Management Trimble R2 Units	Add two new GPS units for additional staff.	2003535	DW17-183	26,101	2/2/2018	\$ 24,000	Yes	\$ 24,000 \$	24,000	\$ 24,000	\$ 21,963	Merrimack	No	\$ 28.52	-	
Merrimack River Pumping Station	Add third 350 horsepower pump and motor with variable frequency drive.	2003759	DW17-183	26,101	2/2/2018	\$ 260,000	Yes	\$ 360,000 \$	600,000	\$ 600,000	\$ 485,114	Merrimack	Yes	\$ 28.52	13.835	Added Pump Station roof hatches and roofing to facilitate pump replacement in the future. Bid price received for new pump was higher than anticipated. Added Electrical system upgrades for code and redundency. There will be an additional \$140,000 of expenditures to complete this project in 2021.
Crescent Street (sewer related)	Replace 250 LF of 4 inch CI and 96 LF of 1 1/4 inch CL with 150 LF of 4" PVC.		DW17-183	26.101	2/2/2018	\$ -	Yes	\$ 44,700 \$	33,600	\$ 39,000		Nashua	Yes	\$ 27.13	15,055	Added due to Kessler Farm Tank deferral to 2021.
Crescent Street (paving contribution)	Replace 250 LF of 4 inch CI and 96 LF of 1 1/4 inch CL with 150 LF of 4" PVC.	2001230	DW17-183	26,101	2/2/2018	s -	Yes	\$ 8,000 S	15,000		\$ 54,705	Nashua	Yes	\$ 27.13		Added due to Kessler Farm Tank deferral to 2021.
School Street	Replace 400 LF of 4 inch CI with 680lf of 6 inch DIPCL (creates a looped system).	2003533	DW17-183	26,101	2/2/2018	ş -	Yes	\$ 244,000 \$	166,850			Nashua	Yes	\$ 27.13	7,345	Added due to Kessler Farm Tank deferral to 2021, restoration work that was planned for 2021 was completed in 2020.
Fulton Street(Lake St Area PH2)	Replace 180 LF of 2" CL with 4" DIPCL - addition to Lake St Ph 2 project.	2007556	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 40,000 \$	93,950	\$ 92,900	\$ 80,801	Nashua	Yes	\$ 27.13	2,192	Added due to Kessler Farm Tank deferral to 2021.
Manatee St (Lake St Area PH2)	Replace 240 LF of 6 inch CI with 8" DIPCL - addition to Lake St Ph 2 project.	2007543	DW17-183	26,101	2/2/2018	ş -	Yes	\$ 55,000 \$	84,000	\$ 54,500	\$ 49,820	Nashua	Yes	\$ 27.13	1,352	Added due to Kessler Farm Tank deferral to 2021.
Ash St (Lake St Area PH2)	Replace 480 LF of 6 inch CI with 8 and 6 inche DIPCL - added to Lake StPh 2.	2007540	DW17-183	26,101	2/2/2018	S -	Yes	\$ 102,000 \$	157,450		\$ 149,975	Nashua	Yes	\$ 27.13	4,069	Added due to Kessler Farm Tank deferral to 2021.
Fields Grove Crossing (Lake St Area PH2)	Cross City park with 16" HDPE direction bore - 890 LF- added to Lake St Ph 2.	2007557	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 60,000 \$	60,000			Nashua	Yes	\$ 27.13	-	Added due to Kessler Farm Tank deferral to 2021.
Pine St (Lake St Area PH2) Manatee and Sarasota intersection work	Cut in tees for manatee and sarasota.	2007541	DW17-183	26,101	2/2/2018	\$ -	Yes	S - S	-	\$ 31,500	\$ 90,922	Nashua	Yes	\$ 27.13		Intersection work associated with Sarasota and Manatee projects.
Ingalls St - complete in 2020	Emergency water main replacement - 175' of Galv (1921) replaced with 4" PVC. Paving related to water main replacement - replace 56' of 12" CI and 230' of 8" CI (1925-	2007544	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 38,000 \$	45,300			Nashua	Yes	\$ 27.13	908	Added due to Kessler Farm Tank deferral to 2021.
Walnut St - water main (added to crescent/school st project)	unlined) with 286' of 12" DIP.	2006558	DW17-183	26,101	2/2/2018	s -	Yes	\$ 70,000 \$	120,600	\$ 84,000	\$ 74,774	Nashua	Yes	\$ 27.13	2,029	Added due to Kessler Farm Tank deferral to 2021, \$\$ from paving contribution in row 67 added in.
Walnut St (paving contribution)	Paving Contribution for paving in 2021.		DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 20,000 \$	-	S -		Nashua	Yes	\$ 27.13	-	Added due to Kessler Farm Tank deferral to 2021, \$\$ in row 66.
Coburn Woods (all side streets)	Replace 4400 LF of 2 inch PVC with 4 inch DIPCL.	2002685	DW17-183	26,101	2/2/2018	s -	Yes	\$ 900,000 \$	150,000	\$ 118,000		Nashua	Yes			Added due to Kessler Farm Tank deferral to 2021. The majority of this project will be occurring in 2021 due to later than expect
Pennichuck Brook Ponds Aerial Survey	Pennichuck Brook Ponds Aerial Survey	2006039	DW17-183	26,101	2/2/2018		Yes		21,700		\$ 2,209	Nashua	No	\$ 27.13 S	-	bid opening. Drouight response. Survey of exposed bottow of Harris and Bowers Pond.
Upgrade SCADA historian software, new hardware	Upgrade SCADA historian software, new hardware.	2006039	DW17-183	26,101	2/2/2018	\$ 65,000	Yes	\$ - \$ \$ 65,000 \$				Nashua Nashua	No Yes	\$ 27.13 S		
Bowers Dam LOD response engineering	Bowers Dam LOD response engineering	1901734, 1907078, 2000373		0.1 DSRR		\$ 10,000	No	\$ 10,000 \$	10,000	s 10,000	\$ 6,761	Nashua/Merrimack	No	\$ 27.83	-	Bowers Dam LOD response engineering
Harris LOD response engineering	Harris LOD response engineering	1907076, 2000375		0.1 DSRR		\$ 20,000	No	\$ 20,000 \$	20,000	\$ 20,000		Nashua/Merrimack	No	\$ 27.83	-	Deferred
Supply Pond LOD response engineering	Supply Pond LOD response engineering	1907077, 2000374		0.1 DSRR		\$ 32,000	No	\$ 32,000 \$	32,000	\$ 32,000	\$ 15,788	Nashua/Merrimack	No	\$ 27.83	-	Deferred
Rebuild Pump 1, Northwest, Nashua	Final costs for reinstallation and alignment.	1619402, 1701898, 1918550, 2000438	DW17-183	26,101	2/2/2018	\$ 5,000	Yes	\$ 53,457 \$	3,457	\$ 3,457	\$ 53,457	Nashua	Yes	\$ 27.13	1 450	Previous Year work was instrumental in the completion of the rebuild of NW Pump #1, remaining \$50,000 for the rebuild of NW Pump #2. See row 94 below.
New Vehicle for WS electrician	Final costs for fit up of new truck purchased in 2019.	2000437	DW17-183	26,101	2/2/2018	\$ 3,000	Yes	\$ 3,000 \$	3,000	\$ 3,000	\$ 2,360	Nashua	No	\$ 27.13		1 amp #2. Sec Tow 24 below.
MSDC payment to MWW	MSDC payment for MSDC gallons beyond that currently purchased.	2009023	DW17-183	26,101	2/2/2018	\$ -	Yes	s - s	-	\$ 166,346	\$ 166,347	Various	No	\$ 28.45		During 2020, PWW used 47,341 MSDC gallons beyond what had been purchased. 3,450 of the MSDC gallons were purchased vash collected via MSDC tariff. The remaining 43,891 gallons were used by existing customers.
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	60, 61, 62 & 63 workorders	DW17-183	26,101	2/2/2018	\$ 40,000	Yes	\$ 40.000 \$	35,000	\$ 25,000	\$ 33,239	Various	Yes	\$ 28.45	9,46	9 Booster Pumps Repaired/Replaced through 11/30/2020. 1 additional rebuilds projected by end of year.
Booster Pump replacement/rebuild	Replace Booster #1, Donald Street	2008275	DW17-183	26,101	2/2/2018	\$ -	Yes	0,000 3	33,000	\$ 25,000 \$ 6,000	,	Bedford	Yes	\$ 24.62	131	
Booster Pump replacement/rebuild	WTP Intermediate pump #2 electric motor rebuild	2007216	DW17-183	26,101	2/2/2018	s -	Yes	\$ - S	12,644		\$ 12,644	Nashua	Yes	\$ 27.13	343	
Well Pump replacements	Well Pump replacements	60, 61, 62 & 63	DW17-183	26,101	2/2/2018	\$ 15,000	Yes	\$ 10,000 \$	-	\$ 5,025	\$ 15,160	Various	Yes	\$ 28.45		2 well pumps repaired/replaced through 12/31/20.
	* *	workorders		26,101	2/2/2018	.,,,,,		.,		-,	-, -,			\$ 28.45	431	
		60, 61, 62 & 63	DW17-183	20,101	2/2/2010				, 1			** '	!			laction in the state of the sta
Chemical Feed pump replacements Chemical Feed pump replacements	Chemical Feed pump replacements Rebuild Ferric Feed Pumps 2 & 3	60, 61, 62 & 63 workorders 2002269	DW17-183 DW17-183	26,101	2/2/2018	\$ 10,000 \$ -	Yes Yes	\$ 6,757 \$ \$ 3,243 \$	3,500 3,243	\$ 4,939 \$ 3,243	\$ 4,939 \$ 3,541	Various Various	Yes Yes	\$ 28.45	141	3 Chemical Pumps Repaired/Replaced through 12/31/2020.

													T			
								Estimated Project	Estimated Project	Estimated Project					QCPAC Eligib	
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 6/30/2020	Cost as of 9/30/2020	Cost as of 11/30/2020	Final Project cost as of 12/31/2020	Community	Taxable	2020 Tax Rate (1)	Property Tax Expense	Explanation for Change/Addition/Deletion from Board Approved 2020 Capex Budget
Misc. Structural Improvements	Misc. Structural Improvements	n/a	DW17-183	26,101	2/2/2018	\$ 20,000	Yes	\$ 16,700	š -	s -		Various	Yes	\$ 28.52	s -	
Misc. Structural Improvements	Replace Fire Alarm System Control Boards - Damaged by Lightning Strike.	2006032	DW17-183	26,101	2/2/2018	S -	Yes	\$ - :	15,120	\$ 15,120	\$ 14,242	Nashua	Yes	\$ 27.13	s 3	86
Misc. Structural Improvements	Replace Maple Haven Pump Station Rood.	2008269	DW17-183	26,101	2/2/2018		Yes	\$ -	-	\$ 4,235	\$ 5,170	Derry	Yes	\$ 29.06	S 1	50
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased	n/a	DW17-183	26,101	2/2/2018	\$ 17,500	Yes	\$ 8,437	8,473	S -		Nashua	Yes	\$ 27.13	s -	
Miscellaneous Equipment Purchased	Replace Sewage Ejection Pump, Snow Station	2003515	DW17-183	26,101	2/2/2018	S -	Yes	\$ 3,300	\$ 3,300				Yes	\$ 27.13	Ÿ	89
Miscellaneous Equipment Purchased	WTP Replace Filter-to-Waste Valve	1918552	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 2,353	\$ 2,353	1			Yes	\$ 27.13	Ş	64 This was in 2019 budget, but did not go useful until 2020.
Miscellaneous Equipment Purchased Miscellaneous SCADA/Electrical	Replace Sludge Pump #2, WTP. Miscellaneous SCADA/Electrical	2004525 n/a	DW17-183 DW17-183	26,101 26.101	2/2/2018 2/2/2018	\$ - \$ 30,000	Yes	\$ 3,410 : \$ 8,500 :	3,410 8 8,500		\$ 3,406	Various Various	Yes Yes	\$ 28.52 \$ 28.52	\$	97
Miscellaneous SCADA/Electrical	Replace VFD, Pump #3 - High Pines Booster	2003512	DW17-183	26,101	2/2/2018	\$ 50,000 S -	Yes	\$ 9,500 S	9,500		S 9 523		Yes	\$ 27.13	-	58
Miscellaneous SCADA/Electrical	Install cellular SCADA device, HI and LO, Derry.	2004180	DW17-183	26,101	2/2/2018	s -	Yes	\$ 2,500	3 2,500		\$ 2,354		Yes	\$ 27.02	s	64
Miscellaneous SCADA/Electrical	SCADA control system, Powder Hill, Donald St.	2004989	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 9,500	\$ 9,500			Bedford	Yes	\$ 27.02	S -	Deferred
Miscellaneous SCADA/Electrical	Replace Intermediate Pump 3, VFD at WTP.	2008126	DW17-183	26,101	2/2/2018	S -	Yes	\$ -	-	\$ 5,500		Nashua	Yes	\$ 27.13	\$ -	Deferred
Rebuild NWS booster pump #2 WTP Structural/HVAC	Rebuild NWS booster pump #2. WTP Structural/HVAC	2003436 n/a	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018	\$ 40,000 \$ 10,000	Yes	\$ 10,000	\$ 50,000 \$ 10,000		\$ 43,464	Nashua Nashua	Yes Yes	\$ 27.13 \$ 27.13	\$ 1,1	79
Purchase new lab equipment	Purchase new lab equipment.	n/a n/a	DW17-183	26,101	2/2/2018	\$ 10,000	Yes	\$ 10,000	\$ 10,000 \$ 20,000			Nashua	Yes	\$ 27.13 \$ 27.13	5	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	DW17-183	26,101	2/2/2018	\$ 10,000	Yes	\$ 10,000	3 -	S -		Various	Yes	\$ 27.13	s -	
Replace Vehicle 200	Replace Vehicle 200	2007616	DW17-183	26,101	2/2/2018	\$ 40,000	Yes	\$ 40,000	\$ 35,000	\$ 35,000	\$ 31,949	Nashua	No	\$ 27.13	ş -	
Replace Vehicle 201	Replace Vehicle 201	2004137	DW17-183	26,101	2/2/2018	\$ 55,000	Yes	\$ 55,000	\$ 55,000	\$ 55,000	\$ 53,062		No	\$ 27.13	\$ -	
Replace Vehicle 63	Replace Vehicle 63	n/a	DW17-183	26,101	2/2/2018	\$ 40,000	Yes	\$ 40,000	3 -	S -		Nashua	No	\$ 27.13	\$ -	Deferred
Repair/Replace Soffit and Fascia, Boat House Bldg. Carbon media changeout-filters 5 & 6	Repair/Replace Soffit and Fascia, Boat House Bldg. Carbon media changeout-filters 5 & 6.	n/a 2003490	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018	\$ 30,000 \$ 500,000	Yes	\$ 30,000 \$ 500,000	s 450,000	\$ - \$ 450,000	\$ 495,331	Nashua Nashua	Yes	\$ 27.13 \$ 27.13	\$ 13,4	No contractors available. Deferred until 2021.
Install new Day Fuel Tank, Controller and related equip., FWPS Generator	Install new Day Fuel Tank, Controller and related equip., FWPS Generator.	n/a	DW17-183	26,101	2/2/2018	\$ 75,000	Yes	\$ 75,000	3 -	\$ -	÷ +75,551	Nashua	Yes	\$ 27.13	s	Deferred until 2021. Project scope being evluated under new code.
SCADA PLC Replacements	SCADA PLC Replacements	n/a	DW17-183	26,101	2/2/2018	\$ 75,000	Yes	\$ 75,000	3 -	S -		Nashua	Yes	\$ 27.13	s -	Deferred until 2021.
Replace 2 Hach Turbidimeters and associated control module	Replace 2 Hach Turbidimeters and associated control module.	2007545	DW17-183	26,101	2/2/2018	\$ 10,000	Yes	\$ 10,000	18,000				Yes	\$ 27.13		59 Changed from 2 to 4 units.
Rebuild Merrimack River pump #2	Rebuild Merrimack River pump #2.	2008305	DW17-183	26,101	2/2/2018	s -	Yes	\$ -	-	\$ 93,100	\$ 93,090		Yes	\$ 28.86	\$ 2,6	
Supply Pond Dam Modifications per NHDES LOD	Engineering, Permitting, Design Services	2008270		0.1 DSRR 0.1 DSRR		\$ -	No No	\$ - :	-	\$ 69,000 \$ 90,000		Merrimack/Nashua	No No	\$ 27.55 \$ 27.55	ş -	Engineering Design Work only
Harris Dam Raise Earthen Embankment, Dike wall Munis FER Enhancements	Engineering, Permitting, Design Services Munis FER Enhancements	n/a	DW17-183	26,101	2/2/2018	\$ 35,000	Yes	\$ 35,000	35,000	,		Merrimack/Nashua Merrimack	No No	\$ 27.55 \$ 28.52	8	Engineering Design Work only
Misc Hardware	Misc Hardware	n/a	DW17-183	26,101	2/2/2018	\$ 20,000	Yes	\$ 6,945	3 -	\$ 1,500		Merrimack	No	\$ 28.52	s -	
Misc Hardware	Laptop Purchase for Regulatory Department - JK	2001987	DW17-183	26,101	2/2/2018	S -	Yes	\$ 1,660	1,660				No	\$ 28.52	Ş -	Purchase to accommodate work from home created by COVID19.
Misc Hardware	Laptop Purchase for Regulatory Department - CAH	2002761	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 1,400	\$ 1,400				No	\$ 28.52	S -	Purchase to accommodate work from home created by COVID19.
Misc Hardware Misc Hardware	Laptop Purchase for onboarding employees (5)	2002930 2005120	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018	\$ -	Yes	\$ 9,995	9,995 3 2,491				No No	\$ 28.52 \$ 28.52	\$ -	Purchase to accommodate work from home created by COVID19. Purchase to accommodate work from home created by COVID19.
Misc Hardware Misc Hardware	Laptop Purchase for New Employee C. Harding Spare Laptop Purchase	2005238	DW17-183	26,101	2/2/2018	S -	Yes	S -	5 2,491 6 1.005				No No	\$ 28.52 \$ 28.52	s .	Purchase to accommodate work from home created by COVID19. Purchase to accommodate work from home created by COVID19.
Misc Hardware	New Laptop for Accounting new hire - Payroll Admin	2006388	DW17-183	26,101	2/2/2018	s -	Yes	s -	3 1,160	, , , , , , , , , , , , , , , , , , , ,	.,		No	\$ 28.52	s -	Purchase to accommodate work from home created by COVID19.
Misc Software	Misc Software	n/a	DW17-183	26,101	2/2/2018	\$ 12,000	Yes	\$ 2,880	3 -	S -		Merrimack	No	\$ 28.52	S -	
Misc Software	Macola Development Environment for testing upgrade.	2002276	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 5,280	\$ 5,280		,		No	\$ 28.52	S -	
Misc Software Misc Software	Tyler Notify NGL Country Control of Marie House In	2003317 2005976	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018	\$ -	Yes	\$ 3,840	3,840 6,350			Merrimack Merrimack	No No	\$ 28.52 \$ 28.52	\$ -	Deferred
Website upgrades	MSL Server License for Munis Upgrade Website upgrades	n/a	DW17-183	26,101	2/2/2018	\$ 8,000	Yes	\$ 8,000	6,550	\$ 0,550 S -		Merrimack	No	\$ 28.52 \$ 28.52	s .	Deterred
Salmon Replacement at WTP	The server at WTP is over 7 years old and should be replaced. I am recommending to replace	2003704	DW17-183	26,101	2/2/2018	\$ 15,000	Yes	\$ 15,000	15,000	\$ 15,000	\$ 9,366	Merrimack	No			
	the server with a VM host for ease of use and reliability. We are starting to leverage this datacenter more with more equipment. The current UPS is over										,		+	\$ 28.52	\$ -	
Additional UPS for Distribution Data Center	subscribed and we need to protect everything in there.	2003493	DW17-183	26,101	2/2/2018	\$ 1,600	Yes	\$ 1,600	1,600	\$ 1,600	\$ 2,060	Merrimack	No	\$ 28.52	ş -	
Meraki Wireless AP's for WTP	The current AP's at WTP are tied into the wireless at HQ. We will be changing to the Maraki solution for HQ so these will need to be replaced.	2003426	DW17-183	26,101	2/2/2018	\$ 3,000	Yes	\$ 3,000	3,000	\$ 3,000	\$ 3,252	. Merrimack	No	\$ 28.52	s .	
Storage Replacement for PS6110 Array	Nimble addon shelf – 33tb usable	2003425	DW17-183	26,101	2/2/2018	\$ 57,000	Yes	\$ 30,000	\$ 30,000	\$ 30,000			No	\$ 28.52	\$ -	
Veeam Backup of O365	Backup documents stored in the cloud within Office 365.	n/a	DW17-183	26,101 26,101	2/2/2018 2/2/2018	\$ 2,000	Yes	\$ - :	\$ 2,000			Merrimack	No	\$ 28.52	S -	
Client Remote Control Software	5 licenses	n/a	DW17-183 DW17-183	26,101	2/2/2018	\$ 1,300	Yes	\$ -	\$ 1,300	\$ 1,300		Merrimack	No	\$ 28.52	\$ -	
CMMS replacment project	Replace Synergen/WAM with newer more cost effective/improved functionality system.	2000368			.,,,,	\$ 600,000	Yes	\$ 600,000	600,000	\$ 450,000		Nashua	Yes	\$ 27.13		54 Project implementation has been slowed due to COVID19. Project \$\$ not used in 2020 will carry over into 2021.
New Building	New Building Routers/Switches/Racks/Patch Panels	2001988 2100047		0.1 DSRR 0.1 DSRR		\$ 78,300 \$ 19,000	No No	\$ 140,000 \$ 12,800	\$ 140,000 \$ 12,800	\$ 140,000 \$ 12,800		- 1110111111	Yes Yes	\$ 27.13 \$ 27.13	\$ 16,5	58 04
New Building - Server Room Networking New Building - Phone System	Replacement of existing Phone sytem. New system will not work with existing hardware.	2100047		0.1 DSRR		\$ 19,000 \$ 70,000	No	\$ 60,000	\$ 12,800 \$ 60,000	\$ 12,800 \$ 60,000			Yes	\$ 27.13	\$ 21	
JAMF - IOS mobile Management	Software configuration support for JAMF product.	2004171	DW17-183	26,101	2/2/2018	\$ 6,000	Yes	\$ 6,000	6,000	\$ 6,000	\$ 5,400	Merrimack	No	\$ 28.52	,-	12
Document Management	Software to allow for document tracking and flow management (Accounting).	n/a	DW17-183	26,101	2/2/2018	\$ 8,000	Yes	\$ 5,400	5,400	S -		Merrimack	No	\$ 28.52	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	DW17-183	26,101	2/2/2018	\$ 45,000	Yes	\$ 19,500	\$ 19,500	\$ 19,500	\$ 140,012	Merrimack	No	\$ 28.52	s -	
Lemon Street, Final Restoration	2020 Carryover Costs	2000693	DW17-183	26,101	2/2/2018	S -	Yes	\$ 1,500	3 1,500	\$ 1,500	\$ 1,500		Yes	\$ 27.13		41 Not included in approved 2020 Budget.
Lowell Street, Final Restoration	2020 Carryover Costs	2000694	DW17-183	26,101	2/2/2018	\$ -	Yes	\$ 2,500				Nashua	Yes	\$ 27.13		Not included in approved 2020 Budget.
West Pearl Street, Final Restoration	2020 Carryover Costs Paid out in 2020 on retainage held on 2019 projects.	2000695 N/A	DW17-183 DW17-183	26,101 26,101	2/2/2018 2/2/2018	S -	Yes	\$ 12,750	12,750				Yes	\$ 27.13 \$ 27.13		46 Not included in approved 2020 Budget.
Retainage Retainage	Paid out in 2020 on retainage held on 2019 projects. Held on various projects listed above. Will be paid out in 2021.	N/A N/A	DW17-183	26,101	2/2/2018	S -	Yes	S -	, -	\$ 162,383 \$ (54,805)			Yes Yes	\$ 27.13 \$ 27.13		57)
FALOC interest	Interest accrued on PWW FALOC from 5/1/2020 to 4/1/2021.	. 1/21	DW17-183	26,101	2/2/2018	s -	Yes	s -	, -	\$ (54,805)			No	\$ 28.45		Projected interest accrued on FALOC \$\$ for funding of 2020 Capex projects.
Elm Street, Final Restoration	2020 Carryover Costs	2000696	DW17-183	26,101	2/2/2018	s -	Yes	\$ 21,750	3 21,750				Yes	\$ 27.13	-	90 Not included in approved 2020 Budget.
Warren Street, Final Restoration	2020 Carryover Costs	2000697	DW17-183	26,101	2/2/2018	S -	Yes	\$ 1,500	1,500	\$ 1,500			Yes	\$ 27.13		41 Not included in approved 2020 Budget.
New Drum Hand Truck	New Drum Hand Truck	2003534	DW17-183	26,101 26,101	2/2/2018 2/2/2018	\$ -	Yes				\$ 1,383		Yes	\$ 27.13		38
Replace Sludge Discharge Pump #1 M-Scopes & Metal Detectors	Replace Sludge Discharge Pump #1 M-Scopes & Metal Detectors	2100054 2100055	DW17-183 DW17-183	26,101	2/2/2018	5 -	Yes				\$ 3,522 \$ 9,910		Yes Yes	\$ 27.13 \$ 27.13		96
M-scopes & Metal Detectors Office Space Planning	M-Scopes & Metal Detectors Office Space Planning	1806837, 1917427	2 117-103	0.1 DSRR	-, -, 2010	\$ -	No				\$ 30,045		No	\$ 27.13 \$ 27.13		w
		Penr	nichuck Water Works Pr	ojected 2020 Total Capita	d Expenditure Budget -	\$ 9,995,700		\$ 6,957,314	\$ 6,502,362	\$ 6,876,855			Гах Expense as			83
	-					e 220.200			e 244.900			• • •				

Estimated Bond Terms (Bonds to be sold in April 2021) -	20	V	4.056692
	30	Years @	
Merrimack River Intake DWGTF Terms -	30	Years @	3.38
Northwest System Improvements DWGTF Terms -	30	Years @	2.704

		0.1 DSRR Funded project Total -	\$	229,300	\$ 344,800	\$	344,800	\$	493,800	\$	849,428
	Tot	al Projected PWW QCPAC Capex for 2020 -	\$	9,766,400	\$ 6,612,514	\$	6,157,562	\$	6,383,055	\$	6,101,832
	Total Projected PWW 0	QCPAC Capex for 2020 funded with Bonds -	\$	9,211,025	\$ 6,098,405	\$	5,643,453	\$	5,835,446	\$	5,605,797
	Amount funded by I	DWGTF Northwest System Improvements -	\$	415,000	\$ 322,000	\$	322,000	\$	355,500	\$	355,660
	Amount fu	nded by DWGTF Merrimack River Intake -	\$	140,375	\$ 192,109	\$	192,109	\$	192,109	\$	140,375
	Project Ans	nual P&I on 2020 QCPAC eligible Projects -	\$	564,236	\$ 381,198	\$	354,706	\$	367,530	\$	351,395
30	Years @	4.056692%	\$	536,347	\$ 355,103	\$	328,612	s	339,791	\$	326,419
30	Years @	3.38%	Ş	7,518	\$ 10,289	ş	10,289	S	10,289	\$	7,518
30	Vears @	2 704%	8	20.371	\$ 15.806	8	15.806	S	17 450	8	17.458

			Financing Docket		Date of NHPUC	Approved		Estimated Project	Estimated Project Cost as of		Final Project cost				QCPAC Eligible Property Tax
Project Name/Description	Project Description	Work Order #	No.	NHPUC Order No.	Order	Budgeted Amount	QCPAC Eligible		9/30/2021		as of 12/31/2021	Community	Taxable	Tax Rate (1)	Expense
Foreman Truck	Upfit of Foreman's Truck body at JC Madigans.	2107517		0.1 DSRR		\$ 61,000	Yes	\$ 61,000 \$	61,000		\$ 69,469	Merrimack	No	\$ 22.26 \$	-
2021 New Services (10) 2021 Renewed Services (20)	Single Family, Owner Build, New Homes Replacement of Failed Services	Routine	DW20-157 DW20-157	26,459	3/2/2021	\$ 50,000	Yes	\$ 80,000 \$	75,000 72,000		\$ 64,613	Various	Yes	\$ 27.31 \$	1,765
2021 Renewed Services (20) 2021 Hydrants (15)	Replacement of Falled Services Replacement of non-functional hydrants	Routine Routine	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 110,000 \$ 90,000	Yes Yes	\$ 60,000 \$ \$ 60,000 \$	6 /2,000 6 48,000		\$ 62,510 \$ 39,043	Various Various	Yes Yes	\$ 27.31 \$ \$ 27.31 \$	1,707 1,066
2021 Gates (10)	Replacement of Failed Gate Valves	Routine	DW20-157	26,459	3/2/2021	\$ 40,000		\$ 120,000 \$	120,000		\$ 92,088	Various	Yes	\$ 27.31 \$	2,515
2021 Radios (250)	Replacement of failed radios	Routine	DW20-157	26,459	3/2/2021	\$ 425,000	Yes	\$ 11,000 \$	11,000			Various	Yes	\$ 27.31 \$	403
2021 Radios (4250) 2021 Meters (Growth) 5/8"-2" - Core & CWS (TBD)	Yr 1 of 10 Replacment of all PWW Radios installed in 2007 (4000), New Radios for New meters for new customers (250). Replacement of failed meters(250).	2101626 Routine	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 50,000	Yes Yes	\$ 400,000 \$ \$ 50,000 \$	5 190,000 5 50,000		\$ 121,635 \$ 60,048	Various Various	Yes Yes	\$ 27.31 \$ \$ 27.31 \$	3,322 1,640
Replacement Utility Truck	Replacement for Truck #83 - 2011 F350, 110K miles, High maint costs & lots of bod	2103610		R funds as of 12/31/20.		\$ 70,000	- 40	\$ 70,000 \$	70,000		\$ 67,828	Merrimack	No	\$ 22.26 \$	- 1,040
Replacement Utility Truck	Replacement for Truck #9 - 2014 F350, 110K Miles, High maint costs & significant r	2103609		R funds as of 12/31/20	1	\$ 70,000	Yes	\$ 70,000 \$	70,000	\$ 70,000	\$ 67,828	Merrimack	No	\$ 22.26 \$	-
Replacement Full Size Pickup	Replacement for Truck #95 - 2008 Ford Ranger 110K miles did not pass inspection	2103612	_	R funds as of 12/31/20		\$ 45,000	Yes	\$ 45,000 \$	45,000		\$ 44,990	Merrimack	No	\$ 22.26 \$	-
Replacement Full Size Pickup Replacement SUV - Meter Reading	Replacement for Truck # 20 - 2008 Ford Ranger 135K miles did not pass inspection Replacement for vehicle #21 - 2013 Chevy Equinox 135k miles, high maint costs &	NTD ² 2103615	DW20-157	26,459 R funds as of 12/31/20	3/2/2021	\$ 45,000 \$ 35,000		\$ - \$ \$ 35,000 \$	35,000	\$ - \$ 35,000	\$ - \$ 32,451	Merrimack Merrimack	No No	\$ 22.26 \$ \$ 22.26 \$	-
Landscape Improvements	Irrigation system, loam & seed area at front of Distribution Building.	NTD	DW20-157	26,459	3/2/2021	\$ 35,000		\$ 35,000 \$	15,000		\$ 32,431 \$ -	Merrimack	Yes	\$ 22.26 \$	
Replacement Valve/vac trailer	Replacement for # 96 - 2010 EHWA Valvemate - Valve Turner not functional and ca	2105021	DW20-157	26,459	3/2/2021	\$ 65,000		\$ 72,000 \$	70,970		\$ 70,971	Merrimack	No	\$ 22.26 \$	-
Replacement Equipment Trailer	Replacement for # 53 - 14' BigTex Trailer - Excessive rust & rot and safety issues.	NTD	DW20-157	26,459	3/2/2021	\$ 7,500		\$ 7,500 \$	7,500		\$ -	Merrimack	No	\$ 22.26 \$	-
Protectus Meter Upgrade Valve Turner & Vac Truck	Protectus Meter Upgrade Replacement for #60 - 15 Year Vac/Valve Trailer with excessive rot, will not pass in	NTD 2103613	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 22,000 \$ 200,000		\$ 22,000 \$ \$ 200,000 \$	22,000			Nashua Merrimack	Yes No	\$ 27.70 \$ \$ 22.26 \$	-
Miscellaneous Tools for Distributiuon Department	New Impact Tool/Wrench For Repairing Hydrants	2109058	DW20-157	26,459	3/2/2021	\$ 200,000	Yes Yes	\$ 200,000 \$	200,000	\$ 200,000 \$ -	\$ 207,981 \$ 4.659	Merrimack	No	\$ 22.26 \$	
Miscellaneous Tools for Distributiuon Department	Portable Heated Pressure Washer	2109770	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ - \$	-	S -	\$ 8,030	Merrimack	No	\$ 22.26 \$	-
Miscellaneous Tools for Distributiuon Department	Replacement Piercing Tool/Grundomat	2109774	DW20-157	26,459	3/2/2021	\$ -	Yes	S - S	-	S -	\$ 10,295	Merrimack	No	\$ 22.26 \$	
Office Space for Const & Maint Supervisor Locker Room Deep Wash Sinks	Permanent office space for Contruction & Maintenance Supervisor Deep stainless wash sinks to replace existing sinks in male & female locker rooms.	NTD NTD	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 15,000 \$ 10,000		\$ 15,000 \$ \$ 10,000 \$	<u>-</u>	\$ -	\$ - \$ -	Merrimack Merrimack	Yes Yes	\$ 23.26 \$ \$ 22.26 \$	-
Locker Room Benches	Permanent Benches for Male & Female locker rooms.	NTD	DW20-157 DW20-157	26,459	3/2/2021	\$ 10,000		\$ 10,000 \$	· -	S -	\$ - \$ -	Merrimack Merrimack	Yes	\$ 22.26 \$ \$ 22.26 \$	
Distribution Facility Bird Mitigation	Installation of 3/4" Bird Mitigation Netting to the Outside Vehicle/equipment covered	2105481	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 27,000 \$	26,250	\$ 26,250	\$ 26,250	Merrimack	Yes		
Brook Street	Replace 225 LF of 4 inch and 915 LF of 6 inch CI with 1140 LF of 8 inch DIPCL.	2102529	DW20-157	26,459	3/2/2021	\$ 103,000	Yes	\$ 100,000 \$	95,100	\$ 95,100	\$ 88,038	Nashua	Yes	\$ 22.26 \$ \$ 27.70 \$	584 2,439
Hamilton Street	Replace 410 LF of 6 inch CI with 4 inch DIPCL.	2102528	DW20-157	26,459	3/2/2021	\$ 33,000		\$ 75,000 \$	70,200		\$ 63,817	Nashua	Yes	\$ 27.70 \$	1,768
Burritt Street	Replace 425 LF of 4 inch CI with 8 inch DIPCL.	2102532	DW20-157	26,459	3/2/2021	\$ 24,000		\$ 25,000 \$	28,500		\$ 39,353	Nashua	Yes	\$ 27.70 \$	1,090
Burritt Street Verona Street	Replace 125 LF of 4 inch CI with 4 inch DIPCL. Replace 675 LF of 6 inch CI with 8 inch DIPCL.	combined with above 2102534	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 12,000 \$ 56,000		\$ 15,000 \$ \$ 60,000 \$	5 14,300 5 51,200			Nashua Nashua	Yes Yes	\$ 27.70 \$ \$ 27.70 \$	1,314
Sarasota Ave	Replace 250 LF of 6 inch CI with 8 inch DIPCL.	2102531	DW20-157	26,459	3/2/2021	\$ 24,000		\$ 18,000 \$	32,730	- /	\$ 37,435	Nashua	Yes	\$ 27.70 \$	1,037
Merrimack River Pumping Station	Add third 350 horsepower pump with electrical and Structural Improvements.	2102256	DW20-157	26,459	3/2/2021	\$ 140,000	Yes	\$ 140,000 \$	140,000	\$ 140,000	\$ 270,109	Merrimack	Yes	\$ 22.26 \$	6,013
Kessler Farm Tank Replacement	Replaced 4 MG painted steel water tank with 4 MG prestressed, precast water tank.	2101759	DW20-157	26,459	3/2/2021	\$ 4,000,000		\$ 4,000,000 \$	4,344,000	,,	\$ 3,967,087	Nashua	Yes	\$ 27.70 \$	109,888
Coburn Woods (all side streets)	Replace 4400 LF of 2 inch PVC with 4 inch DIPCL.	2002685 & 2101761	DW20-157	26,459	3/2/2021	\$ 1,855,000	Yes	\$ 1,855,000 \$	840,000	\$ 840,000	\$ 755,205	Nashua	Yes	\$ 27.70 \$	20,919
Merrimack River Intake	Merrimack River Intake Modified Source Water Protection Plan	2101763		0.1 DSRR		\$ 30,000	Yes	\$ 110,000 \$	60,000	\$ 60,000	\$ 124,113	Merrimack	No	\$ 22.26 \$	-
Balcom Street	Replace 1240 LF 6 inch Cl with 1240 LF 8 inch DIPCL.	NTD	DW20-157	26,459	3/2/2021	\$ 294,000		\$ 294,000 \$	-	S -		Nashua	Yes	\$ 27.70 \$	-
Euclid Avenue Ash Street	Replace 425 LF 6 inch Cl with 425LF 8 inch DIPCL. Final Paving	NTD 2102530	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 100,000	Yes Yes	\$ 100,000 \$ \$ 30,000 \$	- 26 400	\$ -	e 24.474	Nashua Nashua	Yes	\$ 27.70 \$ \$ 27.70 \$	678
Chatagua Avenue	Design work for 2022 project	2102330	DW20-137	0.1 DSRR	3/2/2021	S -	Yes	\$ 30,000 \$	26,400 10,000		\$ 24,474 \$ 10,050	Nashua	Yes No	\$ 27.70 \$	- 0/8
Manatee Street	Final Paving, Includes Pine St Interesection	2102535	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 16,000 \$	13,500	,		Nashua	Yes	\$ 27.70 \$	151
Niquette Drive	2022	2103936	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 52,000 \$	52,800		\$ 50,683	Nashua	Yes	\$ 27.70 \$	1,404
377 Main Street Repairs	Ph 2 Nearby sewer work forces replacement of outdated 2" Cl pipe with 205 LF of new 4" C900	2105498	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 25,000 \$	24,000			Nashua	Yes	\$ 27.70 \$	601
Faxon Avenue	PVC	2105579		0.1 DSRR		\$ -	Yes	\$ 85,800 \$	4,000		\$ 1,233	Nashua	No	\$ 27.70 \$	-
Faxon Street	Sewer work forces replacement of outdated 6" CI pipe with 528 LF of new 6" DIPCL	2105580		0.1 DSRR		\$ -	Yes	\$ 219,400 \$	8,000	\$ 8,000	\$ 2,089	Nashua	No	\$ 27.70 \$	-
Sweet Hill Internnection Twin Ridge Interconnection	Connecting Pipeline and Meter Pit	NTD NTD		NHDES SRF of DWGT		\$ 250,000	Yes	s - s	-	S -	\$ -	Plaistow	Yes	\$ 23.89 \$	
PWW RRA- ERP	Connecting Pipeline and Meter Pit Engineering Evaluations to Implement Recommendations	2106256		NHDES SRF ot DWGT 0.1 DSRR	r .	\$ 100,000 \$ 200,000		\$ 200,000 \$	200,000	\$ 200,000	\$ - \$ 15,762	Plaistow Various	Yes No	\$ 23.89 \$ \$ 27.31 \$	-
Main Upsizing for South Depot Rd, Hollis	Upsizing of watermain from required 8" per tariff	2200415	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ - \$	200,000	\$ -	\$ 31,273	Holllis	Yes	\$ 27.30 \$	854
Trimble GPS and Monitoring Equipment	Level Monitors, Pressure Monitors and Flow Monitors	2200386 & 2109775	DW20-157	26,459	3/2/2021	\$ 32,000		\$ 32,000 \$	32,000		\$ 42,456	Various	No	\$ 27.31 \$	-
Merrimack River Watershed Council Investment in Developer Services	Grant Match with othe Stakeholders \$40k for five years.	NTD Routine	DW20-157	0.1 DSRR 26.459	3/2/2021	\$ 40,000 \$ 90,000		\$ 40,000 \$	5 40,000 80,000	\$ 40,000 \$ 63,000	\$ - \$ 61.777	Various	No	\$ 27.31 \$ \$ 27.31 \$	1,687
Engineering Vehicle	SUV Replaces a 2014 vehicle with over 150.000 miles.	NTD	DW20-157	26,459	3/2/2021	\$ 90,000	Yes Yes	\$ 140,000 \$	80,000	\$ 65,000	\$ 61,/// \$ -	Various Nashua	Yes No	\$ 27.70 \$	1,08/
Engineering Vehicle	SUV Relpaces (#34) 2010 with over 196,000 miles.	NTD	DW20-157	26,459	3/2/2021	\$ 30,000		\$ 30,000 \$	· -	S -	\$ -	Nashua		\$ 27.70 \$	
Route 101A Water Main Relocation	Route 101A Water Main Relocation	2008857 & 2102006		0.1 DSRR		\$ -	Yes	\$ 505,000 \$	-,	,		Nashua	No	\$ 27.70 \$	-
Northwest Pressure System Analysis	Milford, NH	2105480		0.1 DSRR		\$ -	Yes	\$ 25,000 \$	25,000	\$ 25,000	\$ 16,949	Nashua	No	\$ 27.70 \$	-
Distribution System Analysis - HUDSON	Hydraulic modelling and Engineering analysis of the Pennichuck Distribution system's ability to provide water to Hudson, NH	2105499		0.1 DSRR		\$ -	Yes	\$ 25,000 \$	25,000	\$ 25,000	\$ 5,058	Nashua	No	\$ 27.70 \$	-
Pennichuck Brook Aerial Survey	Pennichuck Brook Aerial Survey	2106254		0.1 DSRR		S -	Yes	S - 5	19,500	\$ 19,500	\$ 14,930	Various	No	\$ 27.31 \$	
New Building	New Building 2021 Carryover Costs	2001988 & 2101751		0.1 DSRR		\$ -	Yes	\$ 35,000 \$				Nashua	Yes	\$ 27.70 \$	886
COO Vehicle	SUV Replaces a 2014 vehicle with over 150,000 miles.	NTD	DW20-157	26,459	3/2/2021	\$ 30,000		S - S	-	S -	s -	Nashua	No	\$ 27.70 \$	-
Bon Terrain Contractual Payment Booster Pump replacement/rebuild	Phase 1 payment per SNHWC contract with Tana Properties. Booster Pump replacement/rebuild	NTD Routine	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 129,200 \$ 40,000		\$ 129,200 \$ \$ 30,000 \$			\$ - \$ 41,731	Amherst Merrimack	No Yes	\$ 26.29 \$ \$ 22.26 \$	
Booster Pump replacement/rebuild Booster Pump replacement/rebuild	Bowers Landing Replace VFD, Fire Pump #1	2102277	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 40,000	Yes Yes	\$ 30,000 \$ \$ 4,719 \$				Merrimack Merrimack	Yes Yes	\$ 22.26 \$ \$ 22.26 \$	
Booster Pump replacement/rebuild	Bowers Landing Replace VFD, Fire Pump #2	2102278	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 4,641 \$				Merrimack	Yes	\$ 22.26 \$	
Booster Pump replacement/rebuild	High Pine Ave, Replace VFD, Pump #1	2108089	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ - \$	-	S -	\$ 8,363	Nashua	Yes	\$ 27.70 \$	232
Booster Pump replacement/rebuild Well Pump replacements	Badger Hill Replace Vfd, Pump #3 Well Pump replacements	2107678 Routine	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ - \$ 15,000	Yes Yes	\$ - \$ \$ 24,000 \$	11,677	\$ - \$ 16,000	\$ 3,057 \$ 11,677	Milford Various	Yes Yes	\$ 25.15 \$ \$ 27.31 \$	
Chemical Feed pump replacements	Chemical Feed pump replacements	Routine	DW20-157	26,459	3/2/2021	\$ 10,000		\$ 24,000 \$				Various Various	Yes	\$ 27.31 \$	
Supply Pond Spillway Improvements	Supply Pond Spillway Improvements	2101927		0.1 DSRR	, , , , , , , , ,	\$ 750,000		\$ - 8	52,820				No	\$ 25.11 \$	
Harris Dam raise earthen embankment, raise dike wall, regulatory requirement.	Harris Dam raise earthen embankment, raise dike wall, regulatory requirement.	2101956		0.1 DSRR		\$ 965,000	Yes	s - s	42,000	\$ 42,000	\$ 40,550	Merrimack/Nashua	No	\$ 25.11 _{\$}	-
Land Purchase - L Ferry and L Westland	Watershed Protection	2200488		0.1 DSRR		\$ -	Yes	S - S	-	S -	\$ 27,371	Nashua	Yes	\$ 27.70 \$	758
Misc. Structural Improvements Misc. Structural Improvements	Misc. Structural Improvements Replace Sewage Ejection Pump 2, WTP	NTD	DW20-157	26,459	3/2/2021	\$ 20,000		\$ 15,515 \$	32,915		\$ -	Various	Yes	\$ 27.31 \$	- 101
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased	2102276 NTD	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ - \$ 20,000	Yes Yes	\$ 4,485 \$ \$ 15,000 \$				Nashua Various	Yes Yes	\$ 27.70 \$ \$ 27.31 \$	
Miscellaneous Equipment Purchased	Install Softener, Farley Road Estates, Nashua	2104003	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 5,000 \$				Nashua	Yes	\$ 27.70 \$	201
Miscellaneous Equipment Purchased	Purchase new confined space entry winch	2107804	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ - \$	2,225		\$ 2,216	Various	No	\$ 27.31 \$	
Miscellaneous SCADA/Electrical Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical Replace PLC and install cellular modem, Taylor Falls Station, Nashua	NTD 2104170	DW20-157 DW20-157	26,459 26,459	3/2/2021	\$ 30,000	Yes Yes	\$ 21,500 \$ \$ 5,500 \$			\$ -	Various Nashua	Yes Yes	\$ 27.31 \$ \$ 27.70 \$	
INIDOCHIA I COADA/E I COLI I CAI	Tropiaco I LO ana motali celiulai moderii, Tayloi Falis Stationi, Nashua	2104170	DW 20-137	20,439	3/2/2021	-	1 08	2,300 \$	5,500	\$ 5,500	\$ 5,941	i Nasiiua	168	\$ 27.70 \$	103

Pennichuck Water Works, Inc. DW 22-006 2021 used and useful QCPs 2/14/2022, Revised 6/16/2022 per DOE Set 1 Data Responses Revised 7/14/2022 per DOE Set 2 Data Responses

	T					1								
Project Name/Description		W O	Financing Docket	NHPUC Order No.	Date of NHPUC Order	Approved Budgeted Amount	OCPAC Eligible?	Estimated Project Cost as of 6/30/2021	Estimated Project Cost as of 9/30/2021	Estimated Project Cost as of 11/30/2021	Final Project cost as of 12/31/2021		Taxable	QCPAC Eligible Property Tax Tax Rate (1) Expense
	Project Description	Work Order #				2		0001 100 01 07 007 2021				· ·		***
Miscellaneous SCADA/Electrical Miscellaneous SCADA/Electrical	Purchase new Studio 5000 Ifix SCADA Software Purchase spare circuit boards for Rotork actuators	2105691 2107682	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ -	Yes Yes	S -	\$ 4,272 \$ 4,345			Nashua Nashua	Yes Yes	\$ 27.70 \$ 118 \$ 27.70 \$ -
Miscellaneous SCADA/Electrical	Replace 5 year old SCADA node computers	NTD	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ -			_	Nashua	Yes	\$ 27.70 \$ -
Miscellaneous SCADA/Electrical	Replace PLC at High Pine Pump Station	2108485	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ -	\$ -	\$ -	\$ 13,075	Nashua	Yes	\$ 27.70 \$ 362
Replace 6 Ultrasonic Tank Level monitors	Replace failed WTP Bulk and Day tank level monitors	2107683 & 2108371	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ -			\$ 11,190		Yes	\$ 27.70 \$ 310
Rebuild 1 High lift/Intermediate pump	Rebuild 1 High lift/Intermediate pump	NTD	DW20-157	26,459	3/2/2021	\$ 25,000	Yes	\$ 25,000			\$ -	Nashua	Yes	\$ 27.70 \$ -
Replace VFD, Intermediate Pump #3 WTP WTP Structural/HVAC	Replace VFD, Intermediate Pump #3 WTP WTP Structural/HVAC	2102309 NTD	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ - \$ 10,000	Yes Yes	\$ 28,000 \$ 10,000			\$ 27,298	Nashua Various	Yes Yes	\$ 27.70 \$ 756 \$ 27.31 \$ -
Purchase new lab equipment	Purchase Lab Bench Top Turbidimeter	2108537		IR funds as of 12/31/202		\$ 20,000	Yes	\$ 20,000	,		\$ 4,367		No	\$ 27.70 \$ -
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	NTD	DW20-157	26,459	3/2/2021	\$ 10,000	Yes	\$ 1,850				Various	Yes	\$ 27.31 \$ -
Miscellaneous Fencing and Security projects	Install Perimeter Fence around remote wells, Badger Hill, Milford	2103214	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 8,150	\$ 8,150	\$ 8,150	\$ 8,150		Yes	\$ 27.31 \$ 223
Add Third pump - Donald Street Booster Station Vehicle replacement	Add Third pump - Donald Street Booster Station Vehicle replacement-replace vehicle 210. >160,000 miles, 3K repairs in 2020.	NTD 2108277	DW20-157	26,459 R funds as of 12/31/202	3/2/2021 1 per notes 3&4	\$ 40,000 \$ 55,000	Yes	\$ - \$ 55,000	\$ - \$ 55,000	\$ - \$ 45,000	\$ 41,677	Bedford Nashua	Yes No	\$ 22.08 \$ -
Vehicle replacement	Vehicle replacement - Replace vehicle 351. >163,000 miles, 6K repairs in 2020.	NTD	DW20-157	26,459	3/2/2021	\$ 35,000	Yes Yes	\$ 33,000	· /	\$ 45,000	\$ 41,077	Nashua	No	\$ 27.70 \$ - \$ 27.70 \$ -
Replace 6 filter turbidimeters (manufacturer no longer supports current units).	Replace 6 filter turbidimeters (manufacturer no longer supports current units).	NTD	DW20-157	26,459	3/2/2021	\$ 30,000	Yes	\$ 30,000		\$ -		Nashua	Yes	\$ 27.70 \$ -
Rebuild of Pump 2 @ Merrimack River Intake.	Rebuild of Pump 2 @ Merrimack River Intake.	2108557	DW20-157	26,459	3/2/2021	\$ 75,000	Yes	\$ 75,000	\$ 75,000	\$ 75,000	\$ 113,322	Merrimack	Yes	\$ 22.26 \$ 2,523
Replace Disconnect Switch On Pump 2 At Merrimack River	Replace Disconnect Switch On Pump 2 At Merrimack River	2108529	DW20-157	26,459	3/2/2021	\$ -	Yes	S -	\$ -	\$ -	\$ 4,046		Yes	\$ 22.26 \$ 90
Repair/Replace Soffit and Fascia, Boat House Bldg.	Repair/Replace Soffit and Fascia, Boat House Bldg.	2103205	DW20-157	26,459	3/2/2021	\$ 30,000	Yes	\$ 15,000	\$ 12,600	\$ -	\$ -	Nashua	Yes	\$ 27.70 \$ -
Install new Day Fuel Tank, Controller and related equip. FWPS Generator	Regulatory requirement, existing equipment is malfunctioning and unreliable, Soft metals present in piping system which is not allowed.	NTD	DW20-157	26,459	3/2/2021	\$ 75,000	Yes	\$ -	\$ -	\$ -	\$ -	Nashua	No	\$ 27.70 \$ -
Replace Pakscan Master Station, WTP	Replace Pakscan Master Station, WTP	2103886	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 44,000	\$ 44,082	\$ 44,082	\$ 44,082	Nashua	Yes	\$ 27.70 \$ 1,221
New SCADA Control System, Powder Hill, Bedford Bowers Dam 2021 Permitting and design	New SCADA Control System, Powder Hill, Bedford Bowers Dam 2021 Permitting and design	2103888 2107806	Excess 0.1 DSF	0.1 DSRR	1 per notes 3&4	\$ -	Yes Yes	\$ 9,500	\$ 9,500 \$ 154,000		\$ 9,475 \$ 39,917		Yes	\$ 22.08 \$ 209 \$ 25.11 \$ -
CMMS replacment project	Replace Synergen/WAM with newer more cost effective/improved functionality syste	2107800	DW20-157	26.459	3/2/2021	\$ 100,000	Yes	\$ 100,000		1 19	4 07,771		No	\$ 25.11 \$ -
Infoview Licenses	Infoview Licenses	2104021		R funds as of 12/31/202		\$ 65,000	Yes	\$ 53,450	- /				No	\$ 27.70 \$ -
Redundant Internet	The new phone system, these phone lines use the internet to make and receive telephone calls. We currently only have a single internet feed for the office and the WTP/Distribution facilities. This project provides a secondary internet feed into the Distribution facility which internet will provide us a redundant path to the internet in case one fails. This secondary internet feeds the internet load from the 3 major locations between the 2 internet connections instead of one.	2102395		unds as of 12/31/2021 p ded via the Bond approve #23,459		\$ 69,000	Yes	\$ 69,000	\$ 44,832	\$ 44,832	\$ 43,470	Nashua	No	\$ 27.70 \$ -
Treatment Plant and Distribution security retrofit	Update both the Treatment plant and Distribution to the same security system that the new HQ is using so that there is one badge procedure and system to maintain. It will also gives us better analytics and notifications of access to each of the buildings.	2103934	DW20-157	26,459	3/2/2021	\$ 37,000	Yes	\$ 120,000	\$ 126,000	\$ 126,000	\$ 128,419	Nashua	Yes	\$ 27.70 \$ 3,557
IT Storage Room / Work Room	Add tool box, work bench and parts storage to the IT room to keep things organized to provide a place to work on physical computers and perform repairs.	2105690	DW20-157	26,459	3/2/2021	\$ 4,000	Yes	\$ 4,000	\$ 4,000	\$ 4,000	\$ 1,255	Nashua	No	\$ 27.70 \$ -
Cybernetics Disk Array	Replace 7 year of device used for system back ups.	2104055	Excess 0.1 DSR	R funds as of 12/31/202	1 per noted 3&4	\$ 20,000	Yes	\$ 12,000	\$ 20,000	\$ 20,000	\$ 10,943	Nashua	No	\$ 27.70 \$ -
Virtual Desktops	The majority of the office computers will be 5 years old in 2021. The plan is create a Virtual Desktop that will support up to 50 concurrent users. By shifting the computing and disk requirements to a client server will increase computer speed that will allow the existing desktops to remain in service for several more years. Additionally the client server provides more flexibility to the end user to allow them to work at other locations and still get all their settings and programs to perform their job.	2104056	Excess 0.1 DSF	tR funds as of 12/31/202	1 per notes 3&4	\$ 106,000	Yes	\$ 60,000	\$ 96,000	\$ 96,000	\$ 48,839	Nashua	No	\$ 27.70 \$ -
Computer Updates	There are 30 Computers that are due for replacement in 2023. These computers have very slow hard drives which make these computer frustrating for the end user to use. The systems decrease production from the user because of the time that programs open or being responsive. We should at least update these computers with new SSD drives to increase the productivity of the end user and give them a better end user experience.	NTD	DW20-157	26,459	3/2/2021	\$ 6,000	Yes	\$ 6,000	\$ -	\$ -	\$ -	Nashua	No	\$ 27.70 \$ -
Snow Station Switch Replacement	Replace the outdated switch that connects the fiber optic cable from outsdie to the inside of the WTP.	NTD	DW20-157	26,459	3/2/2021	\$ 1,000	Yes	\$ 1,000	\$ 1,000	\$ 1,000	\$ -	Nashua	Yes	\$ 27.70 \$ -
Munis FER Enancements	Munis FER Enhancements	NTD	DW20-157	26,459	3/2/2021	\$ 35,000	Yes	\$ 35,000	\$ 20,384	\$ 25,000	\$ -	Nashua	No	\$ 27.70 \$ -
Click to Munis Data interfaces	Implement connection between ClickSoft and Munis to reduce the need of user to duplicate data entery into Munis from information captured in ClickMobile.	NTD	DW20-157	26,459	3/2/2021	\$ 20,000	Yes	\$ 20,000	\$ -	s -	\$ -	Nashua	No	\$ 27.70 \$ -
CMMS PLL Implementation	Implemtation of Cityworks PLL. Cityworks PLL simplifies applications for customers	2103213		R funds as of 12/31/202	1	\$ 170,000	Yes	\$ 125,595	· /	\$ 170,000	\$ 140,049		No	\$ 27.70 \$ -
Cityworks PLL License	License for above (Estimate)	NTD	DW20-157	26,459	3/2/2021	\$ 40,000	Yes	\$ 13,875			s -	Nashua	No	\$ 27.70 \$ -
Misc Hardware Misc Hardware	Misc Hardware Small MFP's at Distribution	NTD 2101826	DW20-157	26,459 R funds as of 12/31/202	3/2/2021	\$ 20,000	Yes Yes	\$ 8,082				Various Various	No No	\$ 27.31 \$ -
Misc Hardware Misc Hardware	Replacement Laptops - CS	2101826		IR funds as of 12/31/202 IR funds as of 12/31/202		s -	Yes Yes	\$ 2,195 \$ 3,500					No No	\$ 27.31 \$ - \$ 27.31 \$ -
Misc Hardware	New Laptops for Engineering Interns	2103177	Excess 0.1 DSF	R funds as of 12/31/202	1 per notes 3&4	\$ -	Yes	\$ 3,349					No	\$ 27.31 \$ -
Misc Hardware	4 iPads & iPad cases	2105019		R funds as of 12/31/202		\$ -	Yes	\$ 2,874					No	\$ 27.31 \$ -
Misc Hardware	Windows Server Liscence	2109595		R funds as of 12/31/202		\$ -	Yes	\$ -		-	, , , , , , ,		No	\$ 27.70 \$ -
Misc Hardware Remote User Laptops	Laptops for Remote Workers Remote User Laptops	2109754 2104113		tR funds as of 12/31/202 tR funds as of 12/31/202		\$ -	Yes Yes	\$ - \$ 36,000	\$ - \$ 36,000	Ÿ	\$ 6,726 \$ 37,897		No No	\$ 27.31 \$ - \$ 27.31 \$ -
Misc Software	Misc Software	NTD	DW20-157	26,459	3/2/2021	\$ 12,000	Yes	\$ 36,000 \$ 12,000				Various	No	\$ 27.31 \$ -
WTP Wifi expansion	WTP Wifi expansion	NTD	DW20-157	26,459	3/2/2021	\$ 15,000	Yes	\$ -	\$ -	\$ -		Nashua	No	\$ 27.70 \$ -
Redundant VPN Installation	Redundant VPN Installation	2108090	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ -	\$ 14,616	\$ 14,616		Nashua	No	\$ 27.70 \$ -
Laptop for Scada/Electrical Tech	Laptop for Scada/Electrical Tech	2108558	Excess 0.1 DSF	1R funds as of 12/31/202	1 per notes 3&4	\$ -	Yes	\$ -	\$ -	\$ -	- /		No	\$ 27.70 \$ -
RCO Call Recording	Negatiations for 2021 to 2023 Union Contract	2108534 2200472		0.1 DSRR 0.1 DSRR		\$ -	Yes Yes	5 -	\$ -	\$ -	\$ 7,560 \$ 1,356		No No	\$ 27.70 \$ -
Union Negotiations 2021 Retainage	Negotiations for 2021 to 2023 Uniion Contract Paid out in 2021 on retainage held on 2020 projects.	22004/2 N/A	DW20-157	0.1 DSRR 26,459	3/2/2021	\$ -	Yes	S -	s -	\$ - \$ -	\$ 1,356 \$ 35,292		No No	\$ 27.31 \$ - \$ 27.31 \$ -
Retainage	Held on various projects listed above. Will be paid out in 2022.	N/A	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ -	\$ -	\$ -	\$ (432,409)		No	\$ 27.31 \$ -
Projected short term interest on FALOC	Interest incurred to finance 2021 Capex until permanent financing is achieved	N/A		R funds as of 12/31/202		\$ -	Yes	\$ 128,379	\$ 128,379	\$ 128,379	. ()/		No	\$ - \$ -
			Pen	nichuck Water Works P	rojected 2021 Total Ca	\$ 12,015,200	\$ -	\$ 11,171,559	\$ 9,200,600	\$ 8,698,989	\$ 7,585,454	Projected Prop	erty Tax Expens	se associated with \$ 176,160

 Total Projected Bond funded PWW QCPAC Capex for 2021 (3) (4) \$ 1,296,000
 \$ 1,316,200
 \$ 698,500
 \$ 698,500
 \$ 447,447

 Total Projected Bond funded PWW QCPAC Capex for 2021 (3) (4) \$ 10,369,200
 \$ 9,855,359
 \$ 8,502,100
 \$ 8,000,489
 \$ 6,567,306

 Total Projected NHDES SRF/DWGTF funded PWW QCPAC Capex for 2021 \$ 350,000
 \$

Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Approved Budgeted Amount	QCPAC Eligible?	Estimated Project Cost as of 6/30/2021	Estimated Project Cost as of 9/30/2021	Estimated Project Cost as of 11/30/2021	Final Project cost as of 12/31/2021	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense
	Estimated Bond Terms (Bonds to be sold in April 2022) -	20	Years @	4.27792%	resulting in P&I of	\$ 620,050		\$ 589,324	\$ 508,403	\$ 478,408	e 400.240 T	he P&I expenses associ			-1 :-

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

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

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

Pennichuck Water Works, Inc. DW 22-006 2022 Projected QCPAC Expenditures 2/14/2022, Revised 6/16/2022 per DOE Set 1 Data Responses Revised 7/14/2022 per DOE Set 2 Data Responses 9/30/2022 Update 11/30/2022 Update

								Estimated Year 1	Estimated Project				QCPAC Eligible	
Project Name/Description		· · · · · · · · · · · · · · · · · · ·	Financing Docker	NHPUC Order	Date of NHPUC Order	Approved Budgeted Amount	OCPAC Eligible	End Project Cost as of 09/30/2022	Cost as of 11/30/2022	Community	Taxable	Tax Rate (1)	Property Tax Expense	Explanation for Change/Addition/Deletion since Feb 2022 Filing
Office Space for Const & Maint Supervisor	Project Description Permanent Office space for Construction & Maint Supervisor	Work Order #	DW20-157	26,459	3/2/2021	\$ 15.000	Yes	S - S	11/30/2022	Merrimack	Yes	\$ 22.26	S -	Deferred to 2023
Locker Room Wash Sinks	Deep stainless wash sinks to replace existing sinks in male & female locker rooms	n/a	DW20-157	26,459	3/2/2021	\$ 10,000	Yes	\$ 10,000 \$		Merrimack	Yes	\$ 22.26	\$ -	Deferred to 2023
Locker Room Benches 2022 New Services (15)	Permanent Benches in Men's & Women's Locker Rooms Single Family, Owner Build, New Homes	n/a Routine	DW20-157 DW20-157	26,459 26.459	3/2/2021 3/2/2021	\$ 7,500 \$ 75,000	Yes Yes	\$ 7,500 \$ \$ 75,000 \$		Merrimack Various	Yes	\$ 22.26 \$ 27.31		Deferred to 2023 10 New Services thru 11/30/2022. No additional service expected.
2022 Renewed Services (20)	Replacement of Failed Services	Routine	DW20-157	26,459	3/2/2021	\$ 110,000	Yes	\$ 110,000 \$,	Various	Yes	\$ 27.31 \$ 27.31	,	32 Renewed Services thru 11/30/2022. 1 Additional service renewal expected by year end.
2022 Hydrants (10) 2022 Gates (20)	Replacement of non functional hydrants Replacement of Failed Gate Valves	Routine	DW20-157	26,459 26,459	3/2/2021	\$ 60,000 \$ 80,000	Yes Yes	\$ 15,000 \$ \$ 72,000 \$		Various Various	Yes Yes	\$ 27.31 \$ 27.31	\$ 404 \$ 2,263	2 Hydrants Replaced thru 11/30/2022. No additional hydrant replacement expected. 13 Gate Valves Replaced thru 11/30/2022. 1 additional gate valve replacement expected by year end.
2022 Gates (20) 2022 Radios (250)	New Radios for new customers (250)	Routine Routine	DW20-157 DW20-157	26,459	3/2/2021 3/2/2021	\$ 25,000	Yes	\$ 177,000 \$		Various	Yes	\$ 27.31		155 Radios Installed thru 11/30/2022. 14 additional radios expected to be installed by year end.
2022 Radios (2800) 2022 Meters (Growth) 5/8"-2" - Core & CWS (TBD)	Yr 2 of 10 year Replacment of all PWW Radios installed in 2007 (2800) New meters for new customers, including PFOA (250). Replacement of failed meters(250)	2200381	DW20-157	26,459	3/2/2021	\$ 280,000	Yes	\$ 240,000 \$		Various	Yes	\$ 27.31	\$ 6,922	2,142 Radios Replaced thru 11/30/2022. 300 additional radio replacements expected by year end.
Replacement Dump Truck	Replacement for Truck # 7, 2011 Peterbuilt T-335, 100K+ miles, 2500 hrs, high maint & Repair	Routine n/a	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 50,000 \$ 125,000	Yes Yes	\$ 60,000 \$	82,786	Various Merrimack	Yes No	\$ 27.31 \$ 22.26	\$ 2,261 \$ -	371 Meters Replaced thru 11/30/2022. 20 additional radio replacements expected by year end. Deferred due to availability
Replacement Utility Truck	New Utility Truck to replace #84, 2014 F-350, 120k miles, High maint & Repair costs	2204657		0.1 DSRR funds	-,-,-	\$ 70,000	Yes	\$ 53,995 \$	53,995	Merrimack	No	\$ 22.26	\$ -	
Replacement Utility Truck Replacment Supervisor Pickup	New Utility Truck to replace #9, 2014 F-350, 120k miles, High Maint & Repair costs New Full sized Pickup to replace #21, 2013 Chevy Equinox, 150k miles, Hi Maint & Repair costs	2204656 2204655	DW20-157	0.1 DSRR funds 26,459	3/2/2021	\$ 70,000 \$ 50,000	Yes Yes	\$ 53,600 \$ \$ 54,340 \$	53,600 54,340	Merrimack Merrimack	No No	\$ 22.26 \$ 22.26		
Protectus Meter Upgrade	Protectus Meter Upgrade	n/a	DW20-157	26,459	3/2/2021	\$ 22,000	Yes	\$ - \$		Nashua	Yes	\$ 27.70		Deferred due to availability
Miscellaneous Construction Equipment New 22 Ton Tilt Trailer	Miscellaneous Construction Equipment 22 Ton Tilt Trailer to transport Excavator for Distribution Crew Work	n/a 2205058	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 40,000 \$ 30,000	Yes Yes	\$ - \$ \$ 39,421 \$	39,421	Merrimack Merrimack	No No	\$ 22.26 \$ 22.26		Budget Money moved to a different unbudgeted project/projects
Air Compressor for Vac/Valve Truck	Inline Air Compressor for Valve/Vac Truck for Jack Hammer & other equipment use	2206577	DW20-157	0.1 DSRR funds	3/2/2021	\$ 12,000	Yes	\$ 39,421 \$		Merrimack	No	\$ 22.26 \$ 22.26		
Air Compressor for Vac/Valve Truck	Inline Air Compressor for Valve/Vac Truck for Jack Hammer & other equipment use	2206577	DW20-157	26,459	3/2/2021		Yes	S - S	13,878	Merrimack	No	\$ 22.26	\$ -	Residual of Air Compressor cost (row 27) not coverd by 0.1DSRR funds
New 3"" Neptune Construction Meters New Cut Saws for Distribution	Purchase 2 new 3" Neptune Construction Meters to meet Demand 2 New Stihl Cust saws for Distribution	2203895 2203898		0.1 DSRR funds 0.1 DSRR funds		\$ -	Yes	\$ 2,890 \$ \$ 3,528 \$		Merrimack Merrimack	No No	\$ 22.26 \$ 22.26	\$ - \$ -	Misc Construction Equipment Budget - Row 23 Misc Construction Equipment Budget - Row 24
New Mechanics Field Service Vehicle	New Mechanics Field Service Vehicle	2204653	DW20-157	26,459	3/2/2021	\$ -	Yes	S - S	58,900	Merrimack	No	\$ 22.26	\$ -	Misc Construction Equipment Budget - Row 25
Replacement Utility Trailer New Neptune Construction Meters	Replacement Utility Trailer for Foreman 2 New Neptune Construction Meters for Contractor requests	2204991 2205668	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ - \$ -	Yes Yes	\$ 6,800 \$ \$ 2,890 \$	-,	Merrimack Merrimack	No No	\$ 22.26 \$ 22.26		Misc Construction Equipment Budget - Row 25
Irrigation Sys. Inst. at Dist. Facility	Installation of Irrigation System at Distribution Facility	2205669	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 2,890 \$		Merrimack	No	\$ 22.26		mico conciliadani Equipinant Dadgat - NOW 20
Loam & Hydroseed at Dist. Facility New Volvo ECR88D Excavator	Installation of Loam and Hydroseeding at Distribution Facility New Volvo ECR88D Excavator	2205672 2208205	DW20-157 DW20-157	26,459	3/2/2021	\$ - \$ -	Yes Yes	\$ 8,333 \$	8,333 123,261	Merrimack	No No	\$ 22.26		
Purchase New 4-Ton hotbox w/30 Gal Tack Tank	Purchase New 4-Ton hotbox w/30 Gal Tack Tank	2208205 2208362	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ -	Yes	\$ - S	123,261 49,900	Merrimack Merrimack	No No	\$ 22.26 \$ 22.26		
DynaPac Pavement Roller	DynaPac Pavement Roller	2208363	DW20-157	26,459	3/2/2021	\$ -	Yes	S - S	21,500	Merrimack	No	\$ 22.26	\$ -	
Trailer for Pavement Roller Purchase 4 New Pavement Saws	Trailer for Pavement Roller Purchase 4 New Pavement Saws	2208364 2209555	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ -	Yes	\$ - \$	6,980	Merrimack Merrimack	No No	\$ 22.26 \$ 22.26		
Kessler Farm Tank Replacement	Replaced 4 MG painted steel water tank with 4 MG prestressed, precast water tank.	2200501	DW20-157	26,459	3/2/2021	\$ 300,000	Yes	\$ 272,000 \$	200,103	Nashua	Yes	\$ 27.70	\$ 5,543	
Coburn Woods (all side streets) Phase 1 Miami Street	Replace 4400 LF of 2 inch PVC with 4 inch DIPCL. Complete main replacement and restoration in 2021 - Replace 429 LF of 2" CL pipe with 8" DIPCL	2200500 2201253	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 300,000 \$ 177,000	Yes Yes	\$ 189,000 \$ \$ 187,550 \$	179,254	Nashua Nashua	Yes Yes	\$ 27.70 \$ 27.70	- 1,5.00	
Kendrick Street	Sewer work forces replacement of outdated 6" CI pipe with 466 LF of new 6" DIPCL	2201253	DW20-157	26,459	3/2/2021	\$ 190,000	Yes	\$ 130,000 \$	142,868	Nashua	Yes	\$ 27.70	\$ 3,957	Paving on this was deffered until 2023. Paving cost will be reduced and shared with the City.
Faxon Avenue	Nearby sewer work forces replacement of outdated 2" CI pipe with 205 LF of new 4" C900 PVC	2201254	DW20-157	26,459	3/2/2021	\$ 86,000	Yes	\$ 86,000 \$		Nashua	Yes	\$ 27.70		District Lorenth and the continued and the state of
Faxon Street Chataqua Ave	Sewer work forces replacement of outdated 6" CI pipe with 528 LF of new 6" DIPCL Broad St. to End Replace/Add 780 feet of 1,25"/4"/6" Installed in 1915-1963 with 4"/6"	2201255 2200426	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 220,000 \$ 209,000	Yes	\$ 195,000 \$ \$ 267,000 \$		Nashua Nashua	Yes Yes	\$ 27.70 \$ 27.70	\$ 5,402 \$ 7398	Bid was lower than the engineer's estimate Paving restoration requirements were more than anticipated.
Niquette Dr.	E. Dunstable to service 12 Niquette Replace/Add 525 feet of 2" installed in 1960 with4"	2200427	DW20-157	26,459	3/2/2021	\$ 131,000	Yes	\$ 127,200 \$		Nashua	Yes	\$ 27.70	\$ 3,555	
Pine Hill Ave Mt. Pleasant St.	Wright Rd. to End Replace/Add 300 feet of 1.25" installed in 1953 with 4" Merrimack St. to Manchester St. Replace/Add 400 feet of 1.5" installed in 1955 with 8"	2200422 2200423	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 75,000 \$ 117,000	Yes	\$ 92,400 \$ \$ 204,200 \$. ,	Nashua Nashua	Yes Yes	\$ 27.70 \$ 27.70	\$ 2,559 \$ 5,427	Old pipe records were not accurate requireing more pipe to be replaced. More paving and night work than anticipated
French St.	Merrimack St. to Manchester St. Replace/Add 440 feet of 2"/6" installed in 1887 & 1926 with 4"/6"	2200424	DW20-157	26,459	3/2/2021	\$ 87,000	Yes	\$ 178,040 \$	173,709	Nashua	Yes	\$ 27.70		More paving and right work than anticipated
Dudley St. Ledgewood Hills Dr. /Heather	June St. to E. Hobart St. Replace/Add 830 feet of 1.25"/8" CI/AC installed in 1957-1971 with 8" To Intersection Replace/Add 10 feet of Unconnected installed in with 8	2200428 2200429	DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 256,000 \$ 5,000	Yes Yes	\$ 300,000 \$ \$ 5,500 \$	269,714 11,059	Nashua Nashua	Yes Yes	\$ 27.70 \$ 27.70	\$ 7,471 \$ 306	
Rita St.	Allds St. to 6 Rita Replace/Add 210 feet of 1.5" CICL installed in 1956 with 4"	2200429	DW20-157	0.1 DSRR funds	3/2/2021	\$ 53,000	No	\$ 2,899 \$		Nashua	No	\$ 27.70 \$ 27.70	\$ -	Design only
Salem St.	Whitney St. to Summer St. Replace/Add 855 feet of 4"/6" installed in 1888-1927 with 6"	2200425		0.1 DSRR funds		\$ 253,000	No	\$ 300 \$		Nashua	No	\$ 27.70		Design only
Walnut St. Garden Street	W. Pearl St. to W. Hollis St. Replace/Add 830 feet of 6"/8" installed in 1888-1931 with 12" Emergency replacement of 150 If of 6" CIP with 8" DIP	2200431 2208030	DW20-157	0.1 DSRR funds 26.459	3/2/2021	\$ 312,000 \$ -	No Yes	\$ 300 \$ \$ 50,000 \$		Nashua Nashua	No Yes	\$ 27.70 \$ 27.70		Design only City Sewer Project - Budget from row 54
Route 101A Water Main Relocation	Route 101A Water Main Relocation	n/a	DW20-157	26,459	3/2/2021	\$ 600,000	Yes	S - S	-	Nashua	Yes	\$ 27.70		
PWW RRA- ERP Milford Booster Station	Implement Recommendations Evaluated in 2021 Replace/Relocate Milford Booster Station (Design & Permitting)	n/a 2201853	DW20-157	26,459 0.1 DSRR funds	3/2/2021	\$ 500,000 \$ 60,000	Yes No	\$ - \$ \$ 6,827 \$		Various Milford	Yes No	\$ 27.31 \$ 25.15		Budget Money moved to a different unbudgeted project/projects ation to be designed, owned and operated by the Milford Water Department.
City Sewer Projects (2022)	Replace CI, AC, and other older main distrupted by sewer construction	n/a	DW20-157	26,459	3/2/2021	\$ 300,000	Yes	S - S	-	Nashua	Yes	\$ 27.70	\$ -	No city sewer projects projected for remainder of year
Coburn Tank Area HP Zone Watermain Coburn Tank Area HP Booster Station	Create new HP area with 1600 LF of Water Main and Check Valves New Domestic flow and pressure booster station	n/a n/a		0.1 DSRR funds 0.1 DSRR funds		\$ 800,000 \$ 550,000	Yes Yes	\$ 5,000 \$	-	Nashua Nashua	No No	\$ 27.70 \$ 27.70	\$ -	Design only, project deferred Design only, project deferred
Investment in Developer Services	1x Annual Revenue	Routine	DW20-157	26,459	3/2/2021	\$ 140,000	Yes	\$ 75,000 \$	69,449	Various	Yes	\$ 27.31	\$ 1,897	96 Developer Services thru 11/30/2022, 10 more projected by year end
Trimble GPS and Monitoring Equipment	Level Monitors, Pressure Monitors and Flow Monitors	2204654	DW20-157	26,459	3/2/2021	\$ 32,000	Yes	\$ 20,000 \$		Merrimack	No	\$ 22.26		
Sweet Hill Internnection Twin Ridge Interconnection	Connecting Pipeline and Meter Pit Connecting Pipeline and Meter Pit	2208920 2208919	SRF SRF		nust be filed nust be filed	\$ 220,000 \$ 100,000	Yes Yes	\$ 10,000 \$ \$ 10,000 \$		Plaistow Plaistow	Yes Yes	\$ 23.89 \$ 23.89		Design only, project deferred Design only, project deferred
Engineering Vehicle	SUV Replaces 2010 SUV #33 with over 118,000 miles.	n/a	DW20-157	26,459	3/2/2021	\$ 30,000	Yes	\$ - \$	-	Nashua	No	\$ 27.70	\$ -	Budget Money moved to 2201770
Engineering Vehicle Snow Station Building Addition	SUV Relpaces (#34) 2010 with over 196,000 miles. Addition of a third High Lift Pump (Design & Permitting)	n/a n/a	DW20-157	26,459 0.1 DSRR	3/2/2021	\$ 30,000 \$ 100,000	Yes Yes	\$ - S	-	Nashua Nashua	No No	\$ 27.70 \$ 27.70	\$ - \$	Budget Money moved to 2206415 Project deferred
Engineering Studies: WTP	Chemical Feed and Storage, PFAS treatment	2205826		0.1 DSRR		\$ 50,000	Yes	\$ 90,000 \$	125,000	Nashua	No	\$ 27.70	\$ -	Design only
Atherton Commons	Install 9 Meter Boxes (Pits) and 45 inside meters with expansion tank	n/a	DW20-157	26,459	3/2/2021	\$ 125,000	Yes	S - S	-	Amherst	Yes	\$ 26.29	s -	Project deferred
English Woods Alternative Source Interconnection	Interconnect the English Woods CWS to the Donald St PS w/ building expansion to remove chloramines	n/a	DW20-157	26,459	3/2/2021	\$ 310,000	Yes	\$ 5,000 \$	-	Bedford	Yes	\$ 22.08	S -	Design only, project deferred
2022 Chevy Equinox (Rep totaled #151) Merrimack River Intake SWPP	Purchase a replacement vehicle due to storm damage (Rep totaled #151) Merrimack River Intake SWPP	2201770 2201931	DW20-157	26,459 0.1 DSRR funds	3/2/2021	\$ - \$ -	Yes	\$ 29,876 \$ \$ 29,725 \$		Nashua Various	Yes No	\$ 27.70 \$ 27.31		
Coburn HP Sys Plann./Design/Prop.	Coburn HP Sys Plann./Design/Prop.	2201931	<u> </u>	0.1 DSRR funds		\$ -	No No	\$ 29,725 \$		Various Nashua	No No	\$ 27.31 \$ 27.70		Design only
Water Quality Monitoring Device	Replacement for vandalized sonde/water quality monitoring probe	2206244	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 22,000 \$	18,462	Nashua	Yes	\$ 27.70		·
2022 Small Diameter Water Main Replacement - South 2022 Small Diameter Water Main Replacement - South	Nye Avenue Main Replacement - PWW - 2022 Almont St Main Replacement (Design) 2022	2206578 2206683	DW20-157	26,459 0.1 DSRR funds	3/2/2021	\$ -	Yes No	\$ 95,000 \$ \$ 1,100 \$		Nashua Nashua	Yes No	\$ 27.70 \$ 27.70	,	Design only
2022 Small Diameter Water Main Replacement - South	Chapman St Main Repl. (Design) 2022	2206684		0.1 DSRR funds		\$ -	No	\$ 1,100 \$	3,499	Nashua	No	\$ 27.70	\$ -	Design only
2022 Small Diameter Water Main Replacement - South 2022 Small Diameter Water Main Replacement - South	Cherry St Main Replacement (Design) 2022 D St Main Replacement (Design) 2022	2206685 2206686		0.1 DSRR funds 0.1 DSRR funds		\$ - \$ -	No No	\$ 1,100 \$ \$ 1,100 \$		Nashua Nashua	No No	\$ 27.70 \$ 27.70		Design only Design only
2022 Small Diameter Water Main Replacement - South	Nye Ave Main Replacement (Design) 2022	2206687		0.1 DSRR funds		\$ -	No	\$ 1,100 \$		Nashua	No	\$ 27.70 \$ 27.70		Design only
2022 Small Diameter Water Main Replacement - South Savoy St Main Replacement (Design) 2022	Palm St Main Replacement (Design) 2022	2206688		0.1 DSRR funds 0.1 DSRR funds		\$ -	No No	\$ 1,100 \$		Nashua	No No	\$ 27.70		Design only
2022 Small Diameter Water Main Replacement - South	Savoy St Main Replacement (Design) 2022 Swan St Main Replacement (Design) 2022	2206689 2206690	+	0.1 DSRR funds 0.1 DSRR funds		\$ -	No No	\$ 1,100 \$ \$ 1,100 \$		Nashua Nashua	No No	\$ 27.70 \$ 27.70		Design only Design only
2022 Small Diameter Water Main Replacement - South	Union St Main Replacement (Design) 2022	2206691		0.1 DSRR funds		\$ -	No	\$ 1,100 \$	5,996	Nashua	No	\$ 27.70	\$ -	Design only
Utility Network Migration Replace 6 filter turbidimeters (manufacturer no longer support	Utility Network Migration orts Replace 6 filter turbidimeters (manufacturer no longer supports current units)	2208041 n/a	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ - \$ 30,000	Yes Yes	S - S	1,276	Nashua Nashua	Yes Yes	\$ 27.70 \$ 27.70		Deferred to 2023 due to equipment availability
	Replace missing trim and soffit along the roof line of the Boat House building on the Nashua WTP							\$ 12,600 \$				\$ 27.70 \$ 27.70	-	Solotos to 2020 day to equipment availability
Replace siding and soffit, boat house on WTP grounds	grounds	2207101	DW20-157	26,459	3/2/2021	\$ 14,000	Yes		12,600	Nashua	Yes		\$ 349	
Booster Pump replacement/rebuild Well Pump replacements	Booster Pump replacement/rebuild Well Pump replacements	Routine Routine	DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 40,000 \$ 25,000	Yes Yes	\$ 29,034 \$ \$ 27,755 \$	44,570 27,755	Various Various	Yes Yes	\$ 27.31 \$ 27.31	\$ 1,217 \$ 758	8 Booster Pump Replacments/Rebuilds thru 11/30/2022. 1 additional replacement anticipated by year end. 3 Well Replacements/Rebuilds thru 11/30/2022. No additional well pump replacements anticipated by year end
Chemical Feed pump replacements	Chemical Feed pump replacements	Routine	DW20-157	26,459	3/2/2021	\$ 10,000	Yes	\$ 27,755 \$		Various	Yes	\$ 27.31 \$ 27.31		Chemical Pump Replacement/Rebuild thru 11/30/2022. No additional Chem pump replacements anticipated by
Replace Ferric Chloride feed pumps, Nashua WTP	Replace Ferric Chloride feed pumps, Nashua WTP	2205517	DW20-157	26,459	3/2/2021	\$ 50,000	Yes	\$ 11,462 \$		Nashua	Yes	\$ 27.31		ar end
Replace WTP SCADA computers	Replace WTP SCADA computers	220551 / 2201956	DW20-157	26,459	3/2/2021	\$ 28,000	Yes	\$ 11,462 \$ \$ 25,805 \$		Nashua Nashua	Yes	\$ 27.70 \$ 27.70		
	<u> </u>		•	,		-,			,		• • • • • • • • • • • • • • • • • • • •			

less \$ 60,000 for Milford Booster. Milford to pay for this work directly.

Pennichuck Water Works, Inc. DW 22-006 2022 Projected QCPAC Expenditures 2/14/2022, Revised 6/16/2022 per DOE Set 1 Data Responses Revised 7/14/2022 per DOE Set 2 Data Responses 9/30/2022 Update 11/30/2022 Update

								1				1		
								Estimated Year E	stimated Project				QCPAC Eligible	
			Financing Docket	NHPUC Order	Date of NHPUC	Approved		End Project Cost	Cost as of				Property Tax	
Project Name/Description	Project Description	Work Order #	No.	No.	Order	Budgeted Amount	QCPAC Eligible?	as of 09/30/2022	11/30/2022	Community	Taxable	Tax Rate (1)	Expense	Explanation for Change/Addition/Deletion since Feb 2022 Filing
. Structural Improvements	Misc. Structural Improvements	n/a	DW20-157	26,459	3/2/2021	\$ 30,000	Yes	S - S	-	Various	Yes	\$ 27.31	s -	Budget Money moved to a different unbudgeted project/projects
cellaneous Equipment Purchased	Miscellaneous Equipment Purchased	n/a	DW20-157	26,459	3/2/2021	\$ 30,000	Yes	\$ - \$	-	Various	Yes	\$ 27.31	\$ -	Budget Money moved to a different unbudgeted project/projects
ellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	n/a	DW20-157	26,459	3/2/2021	\$ 60,000	Yes	S - S	-	Various	Yes	\$ 27.31	S -	Budget Money moved to a different unbudgeted project/projects
uild 1 High lift/Intermediate pump	Rebuild 1 High lift/Intermediate pump	n/a	DW20-157	26,459	3/2/2021	\$ 50,000	Yes	\$ - \$	-	Nashua	Yes	\$ 27.70	S -	Budget Money moved to a different unbudgeted project/projects
P Structural/HVAC	WTP Structural/HVAC	n/a	DW20-157	26,459	3/2/2021	\$ 20,000	Yes	S - S	-	Nashua	Yes	\$ 27.70	ş -	Budget Money moved to a different unbudgeted project/projects
hase new lab equipment	Purchase new lab equipment	n/a	DW20-157	26,459	3/2/2021	\$ 20,000	Yes	\$ - \$	-	Nashua	No	\$ 27.70	S -	Budget Money moved to a different unbudgeted project/projects
ellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	DW20-157	26,459	3/2/2021	\$ 10,000	Yes	S - S	-	Various	Yes	\$ 27.31	ş -	Design only. Project deferred until 2024 when grant money will be available.
rs Dam Spillway reconstruction/increase capacity	Bowers Dam Spillway reconstruction/increase capacity	2201369		0.1 DSRR funds	•	\$ 1,850,000	Yes	\$ 110,263 \$	125,000	Merrimack/Nashua	Yes	\$ 25.11	\$ 3,138	Deferred due to supply chain issues and potential funding through NHDES HHDF
le replacement	vehicle replacement	2205056	DW20-157	26,459	3/2/2021	\$ 55,000	Yes	\$ 45,359 \$	58,859	Nashua	No	\$ 27.70	ş -	
ele replacement	vehicle replacement	n/a	DW20-157	26,459	3/2/2021	\$ 40,000	Yes	\$ -		Nashua	No	\$ 27.70	ş -	Deferred
aint FWPS ceiling	Re-paint FWPS ceiling	n/a	DW20-157	26,459	3/2/2021	\$ 20,000	Yes	\$ -		Nashua	Yes	\$ 27.70	ş -	Budget Money moved to a different unbudgeted project/projects
000	Carbon Filter Media	2202953	DW20-157	26,459	3/2/2021	\$ 1,300,000	Yes	\$ 1,433,000 \$	1,433,000	Nashua	Yes	\$ 27.70	\$ 39,694	
ild Bulk Sodium Hypochlorite Piping	Rebuild Bulk Sodium Hypochlorite piping system in the bulk chemical storage area at WTP	2202391	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 6,092 \$	6,092	Nashua	Yes	\$ 27.70	\$ 169	
ase (2) confined space gas	Purchase (2) confined space gas monitors and related equipment	2203399	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 3,521 \$	3,521	Nashua	Yes	\$ 27.70	\$ 98	
ase (2) Hach DR 900 devices	Purchase (2) Hach DR 900 water testing devices	2204849	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 4,240 \$	4,240	Nashua	Yes	\$ 27.70	\$ 117	
ace valve & actuator, Pulsator	Replacement of the valve and electric actuator for Pulsator Extraction Valve 2A	2204850	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 11,269 \$	11,269	Nashua	Yes	\$ 27.70	\$ 312	
ase Underwater Remote Operated Veh.	Purchase Underwater Remote Operated Vehicle to perform tank Inspections	2204919	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 10,224 \$	10,224	Nashua	Yes	\$ 27.70	\$ 283	
ace Radio Comm Shakespeare Tank	Replacement of the spread spectrum radio system with a cellular system	2205518	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 5,245 \$	5,245	Nashua	Yes	\$ 27.70	\$ 145	
ce Soft Starter Pump 1 Taylor Falls	Replace Soft Starter Pump 1 Taylor Falls	2206239	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 3,880 \$	3,880	Nashua	Yes	\$ 27.70	\$ 107	
ld WTP, Polymer Feed 1 Mixer/Motor	Rebuild WTP, Polymer Feed 1 Mixer/Motor	2206240	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 4,500 \$	4,500	Nashua	Yes	\$ 27.70	\$ 125	
ce Uranium Treatment System	Replace Uranium Treatment System	2207274	DW20-157	26,459	3/2/2021	\$ -	Yes	S - S	22,942	Derry	Yes	\$ 29.50	§ 677 lice	ensed landfill. Disposal will happen in 2023. New Vessel in service.
ce Main Breaker Pump 1 Merrimack River	Replace 600 amp Main Breaker Pump 1 Merrimack River	2207860	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ - \$	3,886	Nashua	Yes	\$ 27.70	\$ 108	
ce 2 6in Sys. Iso Valve at Drew Woods	Replace 2 6in System Isolation Valves at Drew Woods	2207867	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 3,857 \$	3,857	Derry	Yes	\$ 29.50	\$ 114	
ase New TOC Analyzer	Purchase New TOC Analyzer	2208043	DW20-157	26,459	3/2/2021			S - S	-	Nashua	Yes	\$ 27.70	S -	Not complete until 2023
ce Heat Circulator Pump at WTP	Replace Heat Circulator Pump at WTP	2208044	DW20-157	26,459	3/2/2021			S - S	6,000	Nashua	Yes	\$ 25.70	\$ 154	·
nase New Wach's Trav-L-Vaccum & Trailer	Purchase New Wach's Trav-L-Vaccum & Trailer	2208178	DW20-157	26,459	3/2/2021			S - S	29,950	Nashua	Yes	\$ 27.70	\$ 830	
ace Chlorine day tank #2, Nashua WTP	Replace Chlorine day tank #2, Nashua WTP	2209086	DW20-157	26,459	3/2/2021			S - S	3,872	Nashua	Yes	\$ 26.70	\$ 103	
ndant VPN Project	Replace current Firewall and add a second firewall and internet feed at Distribution	2201937		0.1 DSRR funds		\$ 14,000	Yes	\$ 13,772 \$	13,772	Nashua	No	\$ 27.70	S -	
mplementatin Project	2022 CMMS PLL Implementation CO	2201250		0.1 DSRR funds		\$ 10,000	Yes	\$ 10,139 \$	10,139	Nashua	No	\$ 27.70	S -	
l i	On premise appliance that will sift through server logs looking for anomylies and notify IT of issues.	n/a		0.1 DSRR funds		\$ 40,000	Yes	S - S	-	Nashua	No	\$ 27.70	S -	Deferred to 2023
eras for Plant	Update and add additional cameras at WTP and pond intakes to enhanced security	2201772		0.1 DSRR funds		\$ 137,000	Yes	\$ 29,725 \$	29,725	Nashua	No	\$ 27.70	S -	Remainder of work (\$100,000) to be completed in 2023
plization of Engineering Applications	Virtual desktop environment for Engineering so that a user can work anywhere with an network	2207263		0.1 DSRR funds		\$ 83,000	Yes	\$ 44,000 \$	44,000	Nashua	No	\$ 27.70		
alization of Engineering Applications	connection without the need for high end desptops or laptops.	220/203		0.1 Dakk lulius		\$ 65,000	ies	3 44,000 3	44,000	Nasnua	No	\$ 27.70	ş -	
ndary Production Storage	Additional storage to our production environment	2203420		0.1 DSRR funds		\$ 52,000	Yes	\$ 22,147 \$	22,147	Nashua	No	\$ 27.70	Ş -	
m Back Licensing to support SCADA Servers	Standardization of Backup software for SCADA servers to be what the rest of the Company uses.	n/a		0.1 DSRR funds		\$ 16,000	Yes	S - S	-	Nashua	Yes	\$ 27.70	ş -	No hardware required. Annual subscriptino , expensed
<u> </u>	Due to our strategy of moving towards a virtualized infrastructure, this would give us the necessary			0.1 DSRR funds		¢ 45.000								<u> </u>
'irtual Server	redundency incase on of our existing Virtual servers fails.	2203421		O.1 DOKK TUNGS		\$ 45,000	Yes	\$ 30,946 \$	30,955	Nashua	No	\$ 27.70	\$ -	
droom Camera and Microphone	Needed as the equipment currently used from the previous facility is not providing a quality experience	2207849		0.1 DSRR funds		\$ 15,000	Yes	\$ 16,000 \$	16,000	Nashua	No	\$ 27.70	\$ -	Equipment arrived. Installation completed in December.
te Audio in Distribution Lunch/Training room	As we are doing more training at this location, additional configuration changes are needed.	n/a		0.1 DSRR funds		\$ 14,000	Yes	\$ - \$	-	Merrimack	No	\$ 22.26	\$ -	Budget Money used for various software projects noted below.
ellaneous Software	Miscellaneous Software	n/a		0.1 DSRR funds		\$ 12,000	Yes	\$ - \$	-	Nashua	No	\$ 27.70	\$ -	Budget Money used for various hardware projects noted below.
llaneous Hardware	Miscellaneous Hardware	n/a		0.1 DSRR funds		\$ 22,000	Yes	\$ - \$	-	Nashua	No	\$ 27.70		Budget Money moved to a different unbudgeted project/projects
pdates for Distribution 2022 CO	AV Updates for Distribution 2022 CO	2200432		0.1 DSRR funds		\$ -	Yes	\$ 4,880 \$	4,880	Merrimack	No	\$ 22.26	\$ -	Misc Hardware budget
Laptops for Remote Workers CO	2022 Laptops for Remote Workers CO	2201235		0.1 DSRR funds		\$ -	Yes	\$ 1,475 \$	1,475	Various	No	\$ 27.31	s -	Misc Hardware budget
SCADA Network Update CO	2022 SCADA Network Update CO	2201333		0.1 DSRR funds		\$ -	Yes	\$ 87,177 \$	87,177	Nashua	Yes	\$ 27.70	\$ 2,415	
p for New Employee (IS)	Laptop for New Employee (IS)	2201855		0.1 DSRR funds		\$ -	Yes	\$ 2,081 \$	2,081	Nashua	No	\$ 27.70	s -	Misc Hardware budget
rk Load Balancer	Network Load Balancer for VPN connections	2204822		0.1 DSRR funds		\$ -	Yes	\$ 6,780 \$	6,780	Nashua	No	\$ 27.70	ş -	Misc software budget
Device Purchases/Upgrades	Upgrading Users Mobile Devices	2205399		0.1 DSRR funds		\$ -	Yes	\$ 55,000 \$	47,853	Various	No	\$ 27.31	ş -	<u> </u>
cement Laptop for IS Employee	Replacement Laptop for IS Employee	2207262		0.1 DSRR funds		\$ -	Yes	\$ 2,559 \$	2,559	Nashua	No	\$ 27.70	s -	Misc Hardware budget
otal LMS Implementation	SumTotal LMS Implementation	2209088		0.1 DSRR funds			Yes	S - S	9.006	Nashua	No	\$ 27.70	s -	Misc software budget
/ehicle for PWSC Employee	New Vehicle for PWSC Employee	2206415		0.1 DSRR funds		s -	Yes	\$ 29.012 \$	29,013	Nashua	No	\$ 27.70	s -	milos societais badgos
ubicle - Accounting Department	New Cubicle - Accounting Department	2209030		0.1 DSRR funds		1	Yes	9 9	5,220	Nashua	Yes	\$ 27.70	s 145	
	Paid out in 2022 on retainage held on 2023 projects.	N/A	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 190,342 \$	231.442	Various	No	\$ 27.70 \$ 27.31	g 173	
nage		N/A	DW20-157	26,459	3/2/2021	•	Yes	\$ 190,342 \$	(370.098)	Various Various	No No	\$ 27.31 \$ 27.31	9 -	
nage	Held on various projects listed above. Will be paid out in 2023.	N/A	DW20-157			\$ 155,000		\$ (400,819) \$ \$ 207,000 \$	207,000		No No	9	9 -	EALOG Below 4 9269/ 1
ted short term interest on FALOC	Interest incurred to finance 2022 Capex until permanent financing is achieved	- 1,	r Works Projected 2	26,459	3/2/2021	ιφ 155,000	Yes	207,000 \$	207,000	N/A	No	N/A	e - Int	terest rate on FALOC Balance was 1.836% at beginning of 2022 and was 4.865% sat year end

Total	Projected N	Total Projected Bond fund	Total for 0.1 DSRR 2022 Projects - led PWW QCPAC Capex for 2022 - led PWW QCPAC Capex for 2022 -	\$ \$ \$	150,000 11,616,500 320,000			1,851 7,166 -		798,706 5,337,524
Estimated Bond Terms (Bonds to be sold in April 2023) - Estimated SRF Terms -	30 20	Years @ Years @	6.0% resulting in P&I of 3.38% resulting in P&I of Total Projected P&I -	\$	843,926 22,272 866,198	-	S	1,713 - 1,713	s	387,765 - 387,765

1. Tax rate is the sum of the local community rate plus the Statewide Utility tax rate of \$6.60/\$1000 5. Available 0.1 DSRR at end of 2022 \$

798,706 will be used to fund projects based on current projection that 2022 PWW RSF balance exceeds target Combined RSF amount of \$2,850,000

Pennichuck Water Works, Inc.
DW 22-006
2023 Projected QCPAC Expenditures
2/14/2022, Revised 6/16/2022 per DOE Set 1 Data Responses
Revised 7/14/2022 per DOE Set 2 Data Responses
9/30/2022 Update
11/30/2022 Update

11/30/2022 Update											
Project Name/Description	Project Description	Work Order #	Financing Docket	NHPUC Order	Date of NHPUC Order	Approved Budgeted Amount	QCPAC Eligible?	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Ta Expense
2023 New Services (10)	Single Family, Owner Build, New Homes	work Order #	DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Various	Yes	\$ 27.31	\$ 1,36
2023 New Services (10) 2023 Renewed Services (20)	Replacement of Failed Services		DW20-157	26,459	3/2/2021	\$ 110,000	Yes	Various	Yes	\$ 27.31	
2023 Hydrants (10)	Replacement of non functional hydrants		DW20-157	26,459	3/2/2021	\$ 60,000	Yes	Various	Yes	\$ 27.31	
2023 Flydrants (10) 2023 Gates (20)	Replacement of Failed Gate Valves		DW20-157	26,459	3/2/2021	\$ 80,000	Yes	Various	Yes	\$ 27.31	
2023 Gates (25)	New Radios for new customers (250)		DW20-157	26,459	3/2/2021	\$ 25,000	Yes	Various	Yes	\$ 27.31	
2023 Radios (2800)	Yr 3 of 10 Year Replacment of all PWW Radios installed in 2007 (2800) by contractor		DW20-157	26,459	3/2/2021	\$ 364,000	Yes	Various	Yes	\$ 27.31	
2023 Meters (Growth) 5/8"-2" - Core & CWS (TBD)	New meters for new customers, including PFOA (250). Replacement of failed meters(250)		DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Various	Yes	\$ 27.31	
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles		DW20-157	26,459	3/2/2021	\$ 70,000	Yes	Merrimack	No	\$ 22.26	\$ -
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles		DW20-157	26,459	3/2/2021	\$ 70,000	Yes	Merrimack	No	\$ 22.26	\$ -
Replacment 1/2 Ton Pickup	New Full Sized Pickup to Replace existing high mileage/maintenance pickup		DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Merrimack	No	\$ 22.26	\$ -
Replacement Utility Van	New Utility Van to replace existing high mileage/maintenance vehicles		DW20-157	26,459	3/2/2021	\$ 40,000	Yes	Merrimack	No	\$ 22.26	\$ -
Protectus Meter Upgrade	Protectus Meter Upgrade		DW20-157	26,459	3/2/2021	\$ 22,000	Yes	Nashua	Yes	\$ 27.70	-
Miscellaneous Construction Equipment	Miscellaneous Construction Equipment		DW20-157	26,459	3/2/2021	\$ 40,000	Yes	Merrimack	No	\$ 22.26	_
Replacement Boom Crane Truck	New Boom Crane truck to Replace #19, 2011 Ford F-450, failing hydraulic Crane, body rot & 100K+ miles		DW20-157	26,459	3/2/2021	\$ 150,000	Yes	Merrimack	No	\$ 22.26	\$ -
Replacement Dump Truck	New Dump Truck to replace #10, 2008 Peterbilt 335, 100K+ miles, 9000hrs, body rot & high Maint & repair costs		DW20-157	26,459	3/2/2021	\$ 150,000	Yes	Merrimack	No	\$ 22.26	
Chataqua Ave	Broad St. to End Replace/Add 780 feet of 1.25"/4"/6" Installed in 1915-1963 with 4"/6" - Paving & Restoration		DW20-157	26,459	3/2/2021	\$ 106,480	Yes	Nashua	Yes	\$ 27.70	
Niquette Dr.	E. Dunstable to service 12 Niquette Replace/Add 525 feet of 2" installed in 1960 with 4" - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 72,540	Yes	Nashua	Yes	\$ 27.70	
Pine Hill Ave	Wright Rd. to End Replace/Add 300 feet of 1.25" installed in 1953 with 4" - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 42,592	Yes	Nashua	Yes	\$ 27.70	
Mt. Pleasant St.	Merrimack St. to Manchester St. Replace/Add 400 feet of 1.5" installed in 1955 with 8" - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 55,902	Yes	Nashua	Yes	\$ 27.70	
French St.	Merrimack St. to 10 French Replace/Add 340 feet of 2"/6" installed in 1887 & 1926 with 4"/6" - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 47,916	Yes	Nashua	Yes	\$ 27.70	
Dudley St.	June St. to E. Hobart St. Replace/Add 830 feet of 1.25"/8" CI/AC installed in 1957-1971 with 8" - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 113,135	Yes	Nashua	Yes	\$ 27.70	- /
Ledgewood Hills Dr. /Heather	To Intersection Replace/Add 10 feet of Unconnected installed in with 8 - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 3,993	Yes	Nashua	Yes	\$ 27.70	-
Rita St.	Allds St. to 6 Rita Replace/Add 210 feet of 1.5" CICL installed in 1956 with 4" - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 30,613	Yes	Nashua	Yes	\$ 27.70	
Salem St.	Whitney St. to Summer St. Replace/Add 855 feet of 4"/6" installed in 1888-1927 with 6" - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 116,463	Yes	Nashua	Yes	\$ 27.70	
Walnut St.	W. Pearl St. to W. Hollis St. Replace/Add 830 feet of 6"/8" installed in 1888-1931 with 12" - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 113,135	Yes	Nashua	Yes	\$ 27.70	
City Sewer Projects (2022)	Replace CI, AC, and other older main distrupted by sewer construction - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 100,000	Yes	Nashua	Yes	\$ 27.70	
Coburn Tank Area HP Zone Watermain	Create new HP area with 1600 LF of Water Main and Check Valves		DW20-157	26,459	3/2/2021	\$ 200,000	Yes	Nashua	Yes	\$ 27.70	
Milford Booster Station	Replace/Relocate Milford Booster Station (Construction)		DW20-157	26,459	3/2/2021	\$ 850,000	No	Milford	No	\$ 25.15	
City Sewer Projects (2023)	Replace CI, AC, and other older main distrupted by sewer construction		DW20-157	26,459	3/2/2021	\$ 300,000	Yes	Nashua	Yes	\$ 27.70	
Swan St.	Cote Ave to Easterly Replace/Add 156 feet of 2" installed in 1953 Cote Ave to End Replace/Add 156 feet of 1.25" installed in 1948 with 4"		DW20-157	26,459	3/2/2021	\$ 49,000 \$ 49.000	Yes	Nashua	Yes	\$ 27.70	- /
Chapman St.	Euclid Ave to existing 8" Replace/Add 142 feet of 1.25" installed in 1947 with 6"		DW20-157 DW20-157	26,459 26,459	3/2/2021 3/2/2021	\$ 49,000	Yes Yes	Nashua Nashua	Yes Yes	\$ 27.70 \$ 27.70	
Savoy St. Palm St.	Lovewell St. to Southerly Replace/Add 420 feet of 4" installed in 1890 with 6"		DW20-157	26,459	3/2/2021	\$ 130,000	Yes	Nashua	Yes	\$ 27.70	
Almont St.	Forest Park Dr. to Fairlane Ave Replace/Add 370 feet of unknown installed in unknown with 8"		DW20-157 DW20-158	26,459	3/2/2021	\$ 120,000	Yes	Nashua	Yes	\$ 27.70	
D St.	E. Hollis St. to Bridge St. Replace/Add 500 feet of 4" installed in 1898 with 8"		DW20-158	26,459	3/2/2021	\$ 158,000	Yes	Nashua	Yes	\$ 27.70	
Union St.	Amory St. to Bridge St. Replace/Add 520 feet of 1.25"-4" installed in 1909-1978 with 12"		DW20-157	26,459	3/2/2021	\$ 210,000	Yes	Nashua	Yes	\$ 27.70	
Cherry St.	McKean St. to Haines St. Replace/Add 340 feet of 4" installed in 1926 with 4" PVC		DW20-157	26,459	3/2/2021	\$ 97.000	Yes	Nashua	Yes	\$ 27.70	
Snow Station Transmission Main	Add Approximately 1,500LF of 24 inch Snow Station to end of 16 inch cross country		DW20-157	26,459	3/2/2021	\$ 850,000	Yes	Nashua	Yes	\$ 27.70	
Nashua Water Treatment Facility	New Chemicall Storage Building (Design & Permitting)		3 1120 107	0.1 DSRR	3/2/2021	\$ 300,000	No	Nashua	No	\$ 27.70	- /
Snow Station Building Addition	Addition of a third High Lift Pump (Construction)		DW20-157	26,459	3/2/2021	\$ 1,200,000	Yes	Nashua	Yes	\$ 27.70	
Merrimack River Watershed Council	Grant Match with other Stakeholders \$40k for five years.			0.1 DSRR		\$ 40,000	No	Various	No	\$ 27.31	
Trimble GPS and Monitoring Equipment	Level Monitors, Pressure Monitors and Flow Monitors		DW20-157	26,459	3/2/2021	\$ 32,000	Yes	Various	No	\$ 27.31	
Investment in Developer Services	1x Annual Rvenue		DW20-157	26,459	3/2/2021	\$ 100,000	Yes	Various	Yes	\$ 27.31	\$ 2,73
Replace Engineering SUV	Replace vehicle with high mileage.		DW20-157	26,459	3/2/2021	\$ 30,000	Yes	Nashua	No	\$ 27.70	\$ -
Replace Engineering Pickup	Replace vehicle with high mileage.		DW20-157	26,459	3/2/2021	\$ 45,000	Yes	Nashua	No	\$ 27.70	\$ -
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild		DW20-157	26,459	3/2/2021	\$ 40,000	Yes	Various	Yes	\$ 27.31	\$ 1,09
Well Pump replacements	Well Pump replacements		DW20-157	26,459	3/2/2021	\$ 25,000	Yes	Various	Yes	\$ 27.31	
Chemical Feed pump replacements	Chemical Feed pump replacements		DW20-157	26,459		\$ 10,000	Yes	Various	Yes	\$ 27.31	
Install/replace treatment systems in small CWS	Install/replace treatment systems in small CWS		DW20-157	26,459	3/2/2021	\$ 20,000	Yes	Various	Yes	\$ 27.31	
Misc. Structural Improvements	Misc. Structural Improvements		DW20-157	26,459	3/2/2021	\$ 30,000	Yes	Various	Yes	\$ 27.31	
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased		DW20-157	26,459	3/2/2021	\$ 30,000	Yes	Various	Yes	\$ 27.31	\$ 81
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		DW20-157	26,459	3/2/2021	\$ 60,000	Yes	Various	Yes	\$ 27.31	
Well Rehabilitation	Well Rehabilitation		DW20-157	26,459		\$ 50,000	Yes	Various	Yes	\$ 27.31	
WTP Structural/HVAC	WTP Structural/HVAC		DW20-157	26,459	3/2/2021	\$ 20,000	Yes	Nashua	Yes	\$ 27.70	
Purchase new lab equipment	Purchase new lab equipment	1	DW20-157	26,459		\$ 20,000	Yes	Nashua	No	\$ 27.70	-
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects		DW20-157	26,459	3/2/2021	\$ 10,000	Yes	Various	Yes	\$ 27.31	
Replace Vehicle	Replace Vehicle		DW20-157	26,459		\$ 65,000	Yes	Nashua	No	\$ 27.70	
Replace Vehicle	Replace Vehicle		DW20-157	26,459	3/2/2021	\$ 40,000	Yes	Nashua	No	\$ 27.70	
Carbon Filter Media	Carbon Filter Media		DW20-157	26,459	3/2/2021	\$ 500,000	Yes	Nashua	Yes	\$ 27.70	
New Customer Appointment Scheduling Software(Click Replacement)	New Customer Appointment Scheduling Software(Click Replacement)		DW20-157	26,459	3/2/2021	\$ 240,000	Yes	Nashua	No	\$ 27.70	-
Runrate Business needs	Runrate Business needs		DW20-157	26,459	3/2/2021	\$ 230,000	Yes	Nashua	No	\$ 27.70	-
Miscellaneous Software	Miscellaneous Software		DW20-157	26,459		\$ 12,000	Yes	Nashua	No	\$ 27.70	
	Miscellaneous Hardware	1	DW20-157	26,459	3/2/2021	\$ 22,000	Yes	Nashua	No	\$ 27.70	Ş -
Miscellaneous Hardware		NI/A	DAMIE :	24 :===	2 /2 /2021	447,000	3.7	NT / A	NT NT	NI/A	-
Miscellaneous Hardware Projected short term interest on FALOC	Interest incurred to finance 2022 Capex until permanent financing is achieved	N/A	DW20-157 ter Works Projected 2	26,459	0/=/=0=0	\$ 147,000 \$ 8,514,768	Yes	N/A	No	N/A se associated with	\$ 162,21

PWW 2022 QCPAC Filing Exhibit DLW-1

\$ 850,000

Pennichuck Water Works, Inc. DW 22-006 2023 Projected QCPAC Expenditures 2/14/2022, Revised 6/16/2022 per DOE Set 1 Data Responses Revised 7/14/2022 per DOE Set 2 Data Responses 9/30/2022 Update 11/30/2022 Update

											QCPAC
											Eligible
			Financing Docket	NHPUC Order	Date of NHPUC	Approved	QCPAC				Property Tax
Project Name/Description	Project Description	Work Order #	No.	No.	Order	Budgeted Amount	Eligible?	Community	Taxable	Tax Rate (1)	Expense

Total for 0.1 DSRR 2023 Projects - \$

Total Projected Bond funded PWW QCPAC Capex for 2023 - \$
Total Projected NHDES SRF/DWGTF funded PWW QCPAC Capex for 2023 - \$ 7,324,768 minu sthe cost of the Milford Booster Station of

- Milford to pay for and finance the Milford booster station

Estimated Bond Terms (Bonds to be sold in April 2024) -Years @ 6.0% resulting in P&I of \$

\$6.60/\$1000

Pennichuck Water Works, Inc.
DW 22-06
2024 Projected QCPAC Expenditures
2/14/2022, Revised 6/16/2022 per DOE Set 1 Data Responses
9/30/2022 Update
11/30/2022 Update

Project Name/Description	Project Description	Work Order #	Financing Docket	NHPUC Order No.	Date of NHPUC Order	Approved Budgeted Amount	QCPAC Eligible?	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense
2024 New Services (10)	Single Family, Owner Build, New Homes		DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Various	Yes	\$ 27.31	\$ 1,366
2024 Renewed Services (20)	Replacement of Failed Services		DW20-157	26,459	3/2/2021	\$ 110,000	Yes	Various	Yes	\$ 27.31	\$ 3,004
2024 Hydrants (10)	Replacement of non functional hydrants		DW20-157	26,459	3/2/2021	\$ 60,000	Yes	Various	Yes	\$ 27.31	\$ 1,639
2024 Gates (20)	Replacement of Failed Gate Valves		DW20-157	26,459	3/2/2021	\$ 80,000	Yes	Various	Yes	\$ 27.31	\$ 2,185
2024 Radios (250)	New Radios for new customers (250)		DW20-157	26,459	3/2/2021	\$ 25,000	Yes	Various	Yes	\$ 27.31	\$ 683
2024 Radios (2800)	Yr 4 of 10 Year Replacment of all PWW Radios installed in 2007 (2800) by contractor		DW20-157	26,459	3/2/2021	\$ 364,000	Yes	Various	Yes	\$ 27.31	\$ 9,941
2024 Meters (Growth) 5/8"-2" - Core & CWS (TBD)	New meters for new customers, including PFOA (250). Replacement of failed meters(250)		DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Various	Yes	\$ 27.31	\$ 1,366
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles		DW20-157	26,459	3/2/2021	\$ 70,000	Yes	Merrimack	No	\$ 22.26	\$ -
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles		DW20-157	26,459	3/2/2021	\$ 70,000	Yes	Merrimack	No	\$ 22.26	\$ -
Replacment 1/2 Ton Pickup	New Full Sized Pickup to Replace existing high mileage/maintenance pickup		DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Merrimack	No	\$ 22.26	\$ -
Replacement Utility Van	New Utility Van to replace existing high mileage/maintenance vehicles		DW20-157	26,459	3/2/2021	\$ 40,000	Yes	Merrimack	No	\$ 22.26	\$ -
Protectus Meter Upgrade	Protectus Meter Upgrade		DW20-157	26,459	3/2/2021	\$ 22,000	Yes	Nashua	Yes	\$ 27.70	\$ 609
Miscellaneous Construction Equipment	Miscellaneous Construction Equipment		DW20-156	26,459	3/2/2021	\$ 40,000	Yes	Merrimack	No	\$ 22.26	\$ -
Replacement Excavator	New Excavator to replace #330, 2015 Volvo EC-55C, 5000+ Hrs, Body Rot, High Maint & Repair Cost		DW20-157	26,459	3/2/2021	\$ 150,000	Yes	Various	No	\$ 23.71	\$ -
Coburn Woods (all side streets) Phase 2	Replace 4200 LF of 2 inch PVC with 4 inch DIPCL.		DW20-157	26,459	3/2/2021	\$ 1,600,000	Yes	Nashua	Yes	\$ 27.70	\$ 44,320
City Sewer Projects (2023)	Replace CI, AC, and other older main distrupted by sewer construction - Paving		DW20-157	26,459	3/2/2021	\$ 100,000	Yes	Nashua	Yes	\$ 27.70	\$ 2,770
Swan St.	Cote Ave to Easterly Replace/Add 156 feet of 2" installed in 1953 - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 23,430	Yes	Nashua	Yes	\$ 27.70	\$ 649
Chapman St.	Cote Ave to End Replace/Add 156 feet of 1.25" installed in 1948 with 4"-Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 23,430	Yes	Nashua	Yes	\$ 27.70	\$ 649
Savoy St.	Euclid Ave to existing 8" Replace/Add 142 feet of 1.25" installed in 1947 with 6" - Paving & Restoration		DW20-157	26,459	3/2/2021	\$ 21,560	Yes	Nashua	Yes	\$ 27.70	\$ 597
Palm St.	Lovewell St. to Southerly Replace/Add 420 feet of 4" installed in 1890 with 6" - Paving & Restoration		DW20-157	26,459	3/2/2021	\$ 58,560	Yes	Nashua	Yes	\$ 27.70	\$ 1,622
Almont St.	Forest Park Dr. to Fairlane Ave Replace/Add 370 feet of unknown installed in unknown with 8"-Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 51,910	Yes	Nashua	Yes	\$ 27.70	\$ 1,438
D St.	E. Hollis St. to Bridge St. Replace/Add 500 feet of 4" installed in 1898 with 8"-Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 69,210	Yes	Nashua	Yes	\$ 27.70	\$ 1,917
Union St.	Amory St. to Bridge St. Replace/Add 520 feet of 1.25"-4" installed in 1909-1978 with 12" - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 71,870	Yes	Nashua	Yes	\$ 27.70	\$ 1,991
Cherry St.	McKean St. to Haines St. Replace/Add 340 feet of 4" installed in 1926 with 4" PVC - Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 47,920	Yes	Nashua	Yes	\$ 27.70	\$ 1,327
Union St.	Amory St. to Bridge St. Replace/Add 520 feet of 1.25"-4" installed in 1909-1978 with 12"-Paving&Restoration		DW20-157	26,459	3/2/2021	\$ 71,870	Yes	Nashua	Yes	\$ 27.70	\$ 1,991
Replace Small Dia Water Main (2024)	Replace approx. 9,000 LF ofsmall diameter water main associated with the lead and copper rule and city paving		DW20-157	26,459	3/2/2021	\$ 3,200,000	Yes	Nashua	Yes	\$ 27.70	\$ 88,640
City Sewer Projects (2024)	Replace CI, AC, and other older main distrupted by sewer construction		DW20-157	26,459	3/2/2021	\$ 600,000	Yes	Nashua	Yes	\$ 27.70	\$ 16,620
Nashua Water Treatment Facility	New Chemicall Storage Building (Construction)		SRF	Petition n	nust be filed	\$ 3,000,000	Yes	Nashua	Yes	\$ 27.70	\$ 83,100
Merrimack River Watershed Council	Grant Match with other Stakeholders \$40k for five years.			0.1 DSRR		\$ 40,000	No	Nashua	No	\$ 27.70	\$ -
Trimble GPS and Monitoring Equipment	Level Monitors, Pressure Monitors and Flow Monitors		DW20-157	26,459	3/2/2021	\$ 32,000	Yes	Nashua	Yes	\$ 27.70	\$ 886
Investment in Developer Services	1x Annual Rvenue		DW20-157	26,459	3/2/2021	\$ 110,000	Yes	Nashua	Yes	\$ 27.70	\$ 3,047
Replace Engineering Pickup	Replace vehicle with high mileage.		DW20-156	26,459	3/2/2021	\$ 45,000	Yes	Various	No	\$ 27.31	\$ -
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild		DW20-157	26,459	3/2/2021	\$ 40,000	Yes	Merrimack	Yes	\$ 22.26	\$ 890
Well Pump replacements	Well Pump replacements		DW20-157	26,459	3/2/2021	\$ 15,000	Yes	Various	Yes	\$ 27.31	\$ 410
Chemical Feed pump replacements	Chemical Feed pump replacements		DW20-157	26,459	3/2/2021	\$ 15,000	Yes	Various	Yes	\$ 27.31	\$ 410
rebuild High lift pump, WTP	rebuild High lift pump, WTP		DW20-157	26,459	3/2/2021	\$ 100,000	Yes	Various	Yes	\$ 27.31	\$ 2,731
Install/replace treatment systems in small CWS	Install/replace treatment systems in small CWS		DW20-157	26,459	3/2/2021	\$ 15,000	Yes	Various	Yes	\$ 27.31	\$ 410
Misc. Structural Improvements	Misc. Structural Improvements		DW20-157	26,459	3/2/2021	\$ 20,000	Yes	Various	Yes	\$ 27.31	\$ 546
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased		DW20-157	26,459	3/2/2021	\$ 30,000	Yes	Various	Yes	\$ 27.31	\$ 819
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		DW20-157	26,459	3/2/2021	\$ 60,000	Yes	Nashua	Yes	\$ 27.70	\$ 1,662
Well Rehabilitation	Well Rehabilitation		DW20-157	26,459	3/2/2021	\$ 50,000	Yes	Various	Yes	\$ 27.31	\$ 1,366
WTP Structural/HVAC	WTP Structural/HVAC		DW20-157	26,459	3/2/2021	\$ 30,000	Yes	Various	Yes	\$ 27.31	\$ 819
Purchase new lab equipment	Purchase new lab equipment		DW20-157	26,459	3/2/2021	\$ 20,000	Yes	Various	No	\$ 27.31	\$ -
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects		DW20-157	26,459	3/2/2021	\$ 10,000	Yes	Various	Yes	\$ 27.31	\$ 273
Replace Vehicle	Replace Vehicle		DW20-157	26,459	3/2/2021	\$ 65,000	Yes	Various	No	\$ 27.31	\$ -
Replace Vehicle	Replace Vehicle		DW20-157	26,459	3/2/2021	\$ 40,000	Yes	Nasnua	No	\$ 27.70	\$ -
Runrate Business needs	Runrate Business needs		DW20-157	26,459	3/2/2021	\$ 400,000	Yes	Nashua	No	\$ 27.70	\$ -
Miscellaneous Software	Miscellaneous Software		DW20-157	26,459	3/2/2021	\$ 12,000	Yes	Various	No	\$ 27.31	\$ -
Miscellaneous Hardware	Miscellaneous Hardware		DW20-157	26,459	3/2/2021	\$ 22,000	Yes	Nashua	No	\$ 27.70	<u>\$</u> -
Projected short term interest on FALOC	Interest incurred to finance 2022 Capex until permanent financing is achieved	N/A	DW20-157	26,459	3/2/2021	\$ 114,000	Yes	N/A	No	N/A	\$ -
•		D			xpenditure Budget -	,		7		se associated with	\$ 282,692

Total Projected Bond funded PWW QCPAC Capex for 2024 Total Projected NHDES SRF/DWGTF funded PWW QCPAC Capex for 2024 \$ 3,000,000

Estimated Bond Terms (Bonds to be sold in April 2025) - 30 Years @ 6.0% resulting in P&I of Estimated SRF Terms - 20 Years @ 3.38% resulting in P&I of Total Projected P&I - 816,561

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