

	Approved DW19-084 Revenues per Order#	QCPAC For 2019 Capital Additions	QCPAC Surcharge for 2019 Capital Additions	QCPAC For 2020 Capital Additions pro forma	QCPAC Surcharge for 2020 Capital Additions	QCPAC For 2021 Capital Additions pro forma	QCPAC Surcharge for 2021 Capital Additions	QCPAC For 2022 Capital Additions pro forma	QCPAC Surcharge for 2022 Capital Addition	QCPAC For 2023 Capital Additions pro forma	QCPAC Surcharge for 2023 Capital Additions
City Bond Fixed Revenue Requirement (CBFRR)	\$ 7,729,032	\$ -	\$ 7,729,032	\$ -	\$ 7,729,032	\$ -	\$ 7,729,032	\$ -	\$ 7,729,032	\$ -	\$ 7,729,032
DW19-084 Operating Expense Revenue Requirement	\$ 21,296,618 (1)	\$ 416,593	\$ 21,713,211	\$ 155,083 (4)	\$ 21,868,294	\$ 200,342 (4)	\$ 22,068,636 (4)	\$ 276,573	\$ 22,345,209	\$ 255,863	\$ 22,601,072
DW19-084 Annual Principal and Interest Payments	\$ 6,176,477 (2)	\$ 854,442	\$ 7,030,919	\$ 351,395 (5)	\$ 7,382,314	\$ 491,894	\$ 7,874,209	\$ 628,441	\$ 8,502,649	\$ 603,602	\$ 9,106,251
Principal and Interest Coverage Requirement	1.10 (3)		1.10		1.10		1.10		1.10		1.10
DW19-084 Principal and Interest Revenue Requirement	\$ 6,794,124		\$ 7,734,011		\$ 8,120,546		\$ 8,661,630		\$ 9,352,914		\$ 10,016,876
DW19-084 Revenue Requirement	\$ 35,819,774		\$ 37,176,254		\$ 37,717,871		\$ 38,459,297		\$ 39,427,155		\$ 40,346,980
DW19-084 Revenue Requirement less Other Revenues	\$ 35,399,062 (12)		\$ 36,755,541		\$ 37,297,159		\$ 38,038,585		\$ 39,006,442		\$ 39,926,268
DW19-084 Revenue Requirement less Other Revenues less Fixed Special Contract Revenues	\$ 34,792,618 (8)		\$ 36,149,098		\$ 36,690,716 (8)		\$ 37,432,141 (8)		\$ 38,399,999		\$ 39,319,824
Percent QCPAC Surcharge (9)			3.90%		1.56%		2.13%		2.78%		2.64%
Cumulative QCPAC Surcharge (13)			3.90%		5.46%		7.59%		10.37%		13.01%
Cumulative QCPAC monthly increase in average single family residential bill.			\$ 2.17		\$ 3.04		\$ 4.22		\$ 5.77		\$ 7.64
Average monthly single family residential bill with QCPAC.	\$ 55.65		\$ 57.82		\$ 58.69		\$ 59.88		\$ 61.42		\$ 63.29

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 DW19-084.
- (3) Principal and interest coverage of 1.10 is as approved in DW16-806.
- (4) QCPAC operating expenses are based on the property taxes for used and useful plant added during the year
- (5) Portion of Annual Principal and interest payments for debt associated with plant placed in service between 1/1/2020 and 12/31/2020 based on a
- (6) QCPAC Principal and Interest expenses are based on
- (7) QCPAC percent revenue surcharges based on increase in revenues from the revenues granted in DW19-084
- (8) Reduction in revenues associated with fixed contracts as follows:
- (9) QCPAC Principal and Interest expenses for DWGTF financing are based on a
- (11) Cumulative surcharge percentage is based on total surcharge revenues collected divided by the revenues granted in DW19-084 that are impacted by the QCPAC.
- (12) Operating expense revenues approved in DW19-084 less total Other Revenues of
- (13) QCPAC percent revenue surcharges based on revenues approved in DW19-084.

30	Bond with a effective interest rate of	4.056692%	based on the final bond issuance in April 2021
30	Bond with a effective interest rate of	4.50%	for 2021 through 2023 Capital Expenditures unless funding is via an SRF/DWGTIF financing.
Hudson Annual Fixed Chg	\$ 32,800	Millford Annual Fixed Chg	\$ 81,000
	30 year bond with interest rate of	3.38%	A-B Annual Fixed Chg
			\$ 371,430
			PEU Annual Fixed Chg
			\$ 121,213
			\$ 420,712

Impact on Single Family Residential Home:

	DW19-084
Monthly meter charge approved in DW19-084 -	\$ 24.34
Average Single Family Consumption per DW19-084 (CCF) -	7.77
Volumetric Charge approved in DW#19-084 -	\$ 4.03
Ave. Single Family monthly bill with rates approved in DW19-084 -	\$ 55.65



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

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

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

**12/31/2019**

\$ 427,640 The 12/31/2019 0.1 DSR amount has been increased by

to reflect the Staff DR21 response indicating that \$ 21,175

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

30 year bond with an actual total all in interest rate of 4.261869% resulting in annual P&I expenses of \$ 427,022

30 year bond with interest rate of 2.704% resulting in annual P&I expenses of \$ 140,376

30 year bond with interest rate of 3.380% resulting in annual P&I expenses of \$ 287,045

3. 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

4. QCPAC Principal and Interest expenses for DWGTF financing for the North West System improvements are based on a

5. QCPAC Principal and Interest expenses for DWGTF financing for the Merrimack River Intake are based on a







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 (I)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since Feb 2021 Filing	
CMMS replacement project (Estimate)	Replace SynergenWAM with newer more cost effective/improved functionality system.	2101757	DW20-157	26,459	3/2/2021	\$ 100,000	Yes	\$ 100,000	\$ 100,000	\$ 100,000		Nashua	Yes	\$ 27.70	\$ 2,770		
Infotview Licenses	Infotview Licenses	2104021	DW20-157	26,459	3/2/2021	\$ 65,000	Yes	\$ 53,450	\$ 53,450	\$ 53,450		Nashua	No	\$ 27.70	\$ -		
Redundant Internet	The new phone system, these phone lines use the internet to make and receive telephone calls. We currently only have a single internet feed for the office and the WTP/Distribution facilities. This project provides a secondary internet feed into the Distribution facility which internet will provide us a redundant path to the internet in case one fails. This secondary internet feeds the internet load from the 3 major locations between the 2 internet connections instead of one.	2102395	DW20-157	26,459	3/2/2021	\$ 69,000	Yes	\$ 69,000	\$ 44,832	\$ 44,832		Nashua	No	\$ 27.70	\$ -		
Treatment Plant and Distribution security retrofit	Update both the Treatment plant and Distribution to the same security system that the new HQ is using so that there is one badge procedure and system to maintain. It will also give us better analytics and notifications of access to each of the buildings.	2103934	DW20-157	26,459	3/2/2021	\$ 37,000	Yes	\$ 120,000	\$ 126,000	\$ 126,000		Nashua	Yes	\$ 27.70	\$ 3,490	Change of Scope for 2 remote facilities. Existing wiring at Distribution not adequate for new system. Add gate, request for Exit, change int keypad functionality.	
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		Nashua	Yes	\$ 27.70	\$ 111		
Cybernetics Disk Array	Replace 7 year of device used for system back ups.	2104055	DW20-157	26,459	3/2/2021	\$ 20,000	Yes	\$ 12,000	\$ 20,000	\$ 20,000		Nashua	Yes	\$ 27.70	\$ 554		
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 software and programs to perform their job.	2104056	DW20-157	26,459	3/2/2021	\$ 106,000	Yes	\$ 60,000	\$ 96,000	\$ 96,000		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	\$ -	Went to all virtual systems instead of PCs	
Snow Station Switch Replacement	Replace the outdated switch that connects the fiber optic cable from outside to the inside.	NTD	DW20-157	26,459	3/2/2021	\$ 1,000	Yes	\$ 1,000	\$ 1,000	\$ 1,000		Nashua	Yes	\$ 27.70	\$ 28		
Munis FER Enhancements	Munis FER Enhancements	NTD	DW20-157	26,459	3/2/2021	\$ 35,000	Yes	\$ 35,000	\$ 20,384	\$ 20,384		Nashua	No	\$ 27.70	\$ -		
Click to Munis Data interfaces	Implement connection between ClickSoft and Munis to reduce the need of user to duplicate data entry into Munis from information captured in ClickMobile.	NTD	DW20-157	26,459	3/2/2021	\$ 20,000	Yes	\$ 20,000	\$ -	\$ -		Nashua	No	\$ 27.70	\$ -		
CMMS PLL Implementation	Implementation of Cityworks PLL. Cityworks PLL simplifies applications for customers and	2103213	DW20-157	26,459	3/2/2021	\$ 170,000	Yes	\$ 125,595	\$ 170,000	\$ 170,000		Nashua	Yes	\$ 27.70	\$ 4,709		
Cityworks PLL License	License for above (Estimate)	NTD	DW20-157	26,459	3/2/2021	\$ 40,000	Yes	\$ 13,875	\$ -	\$ -		Nashua	No	\$ 27.70	\$ -	This project got cancelled since it was only for licenses.	
Misc Hardware	Misc Hardware	NTD	DW20-157	26,459	3/2/2021	\$ 20,000	Yes	\$ 8,082	\$ 9,527	\$ 5,000		Various	No	\$ 24.96	\$ -		
Misc Hardware	Small MFP's at Distribution	2101826	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 2,195	\$ 2,195	\$ 2,195		Various	No	\$ 24.96	\$ -		
Misc Hardware	Replacement Laptops - CS	2102671	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 3,500	\$ 3,500	\$ 3,500		Various	No	\$ 24.96	\$ -		
Misc Hardware	New Laptops for Engineering Interns	2103177	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 3,349	\$ 2,454	\$ 2,454		Various	No	\$ 24.96	\$ -		
Misc Hardware	4 iPads & iPad cases	2105019	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 2,874	\$ 2,874	\$ 2,874		Various	No	\$ 24.96	\$ -		
Remote User Laptops	Remote User Laptops	2104113	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 36,000	\$ 36,000	\$ 36,000		Various	No	\$ 24.96	\$ -		
Misc Software	Misc Software	NTD	DW20-157	26,459	3/2/2021	\$ 12,000	Yes	\$ 12,000	\$ 12,000	\$ -		Various	No	\$ 24.96	\$ -		
WTP Wifi expansion	WTP Wifi expansion	NTD	DW20-157	26,459	3/2/2021	\$ 15,000	Yes	\$ -	\$ -	\$ -		Nashua	No	\$ 27.70	\$ -	Determined that the need was not there for the use of this technology.	
Redundant VPN Installation	Redundant VPN Installation	2108090	DW20-157	26,459	3/2/2021	\$ -	No	\$ -	\$ 14,616	\$ 14,616		Nashua	No	\$ 27.70	\$ -	Equipment not available until 2022 so not eligible for 2021 QCPAC	
Retainage	Paid out in 2020 on retainage held on 2019 projects.	N/A															To be reconciled after year end closing with Feb 2022 filing.
Retainage	Held on various projects listed above. Will be paid out in 2021.	N/A															To be reconciled after year end closing with Feb 2022 filing.
Projected short term interest on FALOC	Interest incurred to finance 2021 Capex until permanent financing is achieved	N/A	DW20-157	26,459	3/2/2021	\$ -	Yes	\$ 128,379	\$ 128,379	\$ 117,000		N/A	No	\$ -	\$ -		Projected FALOC interest through 4/5/2023, projected Bond Sale to pay off FALOC.
<b>Pennichuck Water Works Projected 2021 Total Capital Expenditure Budget -</b>						<b>\$ 12,015,200</b>	<b>\$ -</b>	<b>\$ 11,538,299</b>	<b>\$ 9,239,650</b>	<b>\$ 8,567,914</b>	<b>\$ -</b>	<b>Projected Property Tax Expense associated -</b>		<b>\$ 200,342</b>			
<b>Total Projected Bond funded PWW QCPAC Capex for 2021 -</b>						<b>\$ 11,374,200</b>	<b>\$ -</b>	<b>\$ 11,032,299</b>	<b>\$ 8,517,150</b>	<b>\$ 8,012,414</b>	<b>\$ -</b>						
<b>Total Projected NHDES SRF/DWGTF funded PWW QCPAC Capex for 2021 -</b>						<b>\$ 350,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>						
<b>Total for 0.1 DSRR Projects -</b>						<b>\$ 291,000</b>	<b>\$ -</b>	<b>\$ 506,000</b>	<b>\$ 722,500</b>	<b>\$ 555,500</b>	<b>\$ -</b>						
Estimated Bond Terms (Bonds to be sold in April 2022) -						30	Years @	4.5%	resulting in P&I of	\$ 698,280	\$ 677,290	\$ 522,881	\$ 491,894				
DWGTF Terms -						30	Years @	3.38%	resulting in P&I of	\$ 18,745	\$ -	\$ -	\$ -				

1. Tax rate is the sum of the local community rate plus the Statewide Utility tax rate of \$6.60/\$1000  
 2. NTD - No Work Order Established to Date



Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Approved Budgeted Amount	QCPAC Eligible?	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since Feb 2021 Filing
2022 New Services (10)	Single Family, Owner Build, New Homes		DW20-157		Awaiting Approval	\$ 50,000	Yes	Various	Yes	\$ 24.96	\$ 1,248	
2022 Renewed Services (20)	Replacement of Failed Services		DW20-157		Awaiting Approval	\$ 110,000	Yes	Various	Yes	\$ 24.96	\$ 2,746	
2022 Hydrants (15)	Replacement of non-functional hydrants		DW20-157		Awaiting Approval	\$ 90,000	Yes	Various	Yes	\$ 24.96	\$ 2,246	
2022 Gates (10)	Replacement of Failed Gate Valves		DW20-157		Awaiting Approval	\$ 40,000	Yes	Various	Yes	\$ 24.96	\$ 998	
2022 Radios (500)	Replacement of failed Radios (250), New Radios for new customers (250).		DW20-157		Awaiting Approval	\$ 50,000	Yes	Various	Yes	\$ 24.96	\$ 1,248	
2022 Radios (4000)	Yr 2 of 7 Replacement of all PWW Radios installed in 2007 (4000) by contractor.		DW20-157		Awaiting Approval	\$ 520,000	Yes	Various	Yes	\$ 24.96	\$ 12,979	
2022 Meters (Growth) 5/8"-2" - Core & CWS (TBD)	New meters for new customers, including PFOA (250). Replacement of failed meters(250).		DW20-157		Awaiting Approval	\$ 50,000	Yes	Various	Yes	\$ 24.96	\$ 1,248	
Replacement Boom Truck	Replacement for #19 - 2011 Ford F450 - High Mileage, Maintenance & Safety issues.		DW20-157		Awaiting Approval	\$ 150,000	Yes	Merrimack	No	\$ 22.51	\$ -	
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles.		DW20-157		Awaiting Approval	\$ 70,000	Yes	Merrimack	No	\$ 22.51	\$ -	
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles.		DW20-157		Awaiting Approval	\$ 70,000	Yes	Merrimack	No	\$ 22.51	\$ -	
Replacement Supervisor Pickup	New Full Sized Pickup to Replace existing high mileage/maintenance pickup.		DW20-157		Awaiting Approval	\$ 45,000	Yes	Merrimack	No	\$ 22.51	\$ -	
Replacement Utility Van	New Utility Van to replace existing high mileage/maintenance vehicles.		DW20-157		Awaiting Approval	\$ 40,000	Yes	Merrimack	No	\$ 22.51	\$ -	
Protectus Meter Upgrade	Protectus Meter Upgrade		DW20-157		Awaiting Approval	\$ 22,000	Yes	Nashua	Yes	\$ 27.70	\$ 609	
Miscellaneous Construction Equipment				0.1 DSRR		\$ 40,000	No	Merrimack	No	\$ 22.51	\$ -	
Balcon Street	Replace 1240 LF 6 inch CI with 1240 LF 8 inch DIPCL.		DW20-157		Awaiting Approval	\$ 73,600	Yes	Nashua	Yes	\$ 27.70	\$ 2,039	
Euclid Avenue	Replace 425 LF 6 inch CI with 425LF 8 inch DIPCL.		DW20-157		Awaiting Approval	\$ 25,200	Yes	Nashua	Yes	\$ 27.70	\$ 698	
Fairview Street	Replace 800 LF 6 inch CI with 800 LF 8 inch DIPCL.		DW20-157		Awaiting Approval	\$ 47,000	Yes	Nashua	Yes	\$ 27.70	\$ 1,302	
Temple St (south to gorman)	Replace 900 LF of 8 inch CI with 12 inch DIPCL.		DW20-157		Awaiting Approval	\$ 66,000	Yes	Nashua	Yes	\$ 27.70	\$ 1,828	
School Street ( High to W. Pearl Alleyway)	Replace 400 LF of 4 inch CI with 8 inch DIPCL.		DW20-157		Awaiting Approval	\$ 27,000	Yes	Nashua	Yes	\$ 27.70	\$ 748	
Sargent Street	Replace 1900 LF 6 inch CI with 1900 LF 16 inch DIPCL.		DW20-157		Awaiting Approval	\$ 480,000	Yes	Nashua	Yes	\$ 27.70	\$ 13,296	
Courtland Street	Replace 1170 LF 4 inch CI with 1170 LF 16 inch DIPCL.		DW20-157		Awaiting Approval	\$ 300,000	Yes	Nashua	Yes	\$ 27.70	\$ 8,310	
Alld Street	Replace 1860 LF of 6 & 8 inch CI with 12 inch DIPCL.		DW20-157		Awaiting Approval	\$ 740,000	Yes	Nashua	Yes	\$ 27.70	\$ 20,498	
Lawndale Avenue	Replace 1085 LF of 6 inch CI with 12 inch DIPCL.		DW20-157		Awaiting Approval	\$ 420,000	Yes	Nashua	Yes	\$ 27.70	\$ 11,634	
Benson Avenue	Replace 550 LF of 4 inch CI with 8 inch DIPCL.		DW20-157		Awaiting Approval	\$ 160,000	Yes	Nashua	Yes	\$ 27.70	\$ 4,432	
Spaulding Street	Replace 950 LF of 6 inch CI with 8 inch DIPCL.		DW20-157		Awaiting Approval	\$ 280,000	Yes	Nashua	Yes	\$ 27.70	\$ 7,756	
Alstead Avenue	Replace 240 LF of 4 inch CI with 4 inch DIPCL.		DW20-157		Awaiting Approval	\$ 61,000	Yes	Nashua	Yes	\$ 27.70	\$ 1,690	
Spaulding Avenue	Replace 430 LF of 6, 2, & 1.25 inch CI with 4 inch DIPCL.		DW20-157		Awaiting Approval	\$ 80,000	Yes	Nashua	Yes	\$ 27.70	\$ 2,216	
St Lazare Street	Replace 415 LF of 2 inch CI with 4 inch DIPCL.		DW20-157		Awaiting Approval	\$ 80,000	Yes	Nashua	Yes	\$ 27.70	\$ 2,216	
Ingalls St (St Camille to end)	Replace 200 LF of 1.5 inch CI with 4 inch DIPCL.		DW20-157		Awaiting Approval	\$ 40,000	Yes	Nashua	Yes	\$ 27.70	\$ 1,108	
Nye Avenues	Replace 400 LF of 2 & 1.5 inch CI with 4 inch DIPCL.		DW20-157		Awaiting Approval	\$ 73,000	Yes	Nashua	Yes	\$ 27.70	\$ 2,022	
Copp Street	Replace 350 LF of 6 inch CI with 8 inch DIPCL.		DW20-157		Awaiting Approval	\$ 103,000	Yes	Nashua	Yes	\$ 27.70	\$ 2,853	
Fairview Street	Replace 800 LF 6 inch CI with 800 LF 8 inch DIPCL.		DW20-157		Awaiting Approval	\$ 189,000	Yes	Nashua	Yes	\$ 27.70	\$ 5,235	
Gray Avenue	Replace 360 LF of 6 inch CI with 6 inch DIPCL.		DW20-157		Awaiting Approval	\$ 85,000	Yes	Nashua	Yes	\$ 27.70	\$ 2,355	
Additional Water Main Replacement	To be determined		DW20-157		Awaiting Approval	\$ 1,100,000	Yes	Nashua	Yes	\$ 27.70	\$ 30,470	
2022 Nashua City Sewer Projects	To be determined		DW20-157		Awaiting Approval	\$ 900,000	Yes	Nashua	Yes	\$ 27.70	\$ 24,930	
PWW RRA- ERP	Implement Structural Recommendations Evaluated in 2021		DW20-157		Awaiting Approval	\$ 500,000	Yes	Various	Yes	\$ 24.96	\$ 12,480	
Merrimack River Watershed Council	Grant Match with other Stakeholders \$40k for five years for land conservation/protection in the Merrimack River Watershed.			0.1 DSRR		\$ 40,000	No	Various	No	\$ 24.96	\$ -	
Investment in Developer Services	1x Annual Revenue		DW20-157		Awaiting Approval	\$ 90,000	Yes	Various	Yes	\$ 24.96	\$ 2,246	
Replace Engineering Pickup	Replace vehicle with high mileage.		DW20-157		Awaiting Approval	\$ 40,000	Yes	Nashua	No	\$ 27.70	\$ -	
Replace Engineering Pickup	Replace vehicle with high mileage.		DW20-157		Awaiting Approval	\$ 40,000	Yes	Nashua	No	\$ 27.70	\$ -	
Milford Booster Station	Replace/Relocate/Upgrade the Milford Booster Station (>4MGD)		DW20-157		Awaiting Approval	\$ 800,000	No	Amherst	Yes	\$ 26.29	\$ 21,032	
Temple St (south to gorman)	Replace 900 LF of 8 inch CI with 12 inch DIPCL.		DW20-157		Awaiting Approval	\$ 263,000	Yes	Nashua	Yes	\$ 27.70	\$ 7,285	
School Street ( High to W. Pearl Alleyway)	Replace 400 LF of 4 inch CI with 8 inch DIPCL.		DW20-157		Awaiting Approval	\$ 108,000	Yes	Nashua	Yes	\$ 27.70	\$ 2,992	
Linwood Street	Replace 960 LF of 6 inch CI with 8 inch DIPCL.		DW20-157		Awaiting Approval	\$ 283,800	Yes	Nashua	Yes	\$ 27.70	\$ 7,861	
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild		DW20-157		Awaiting Approval	\$ 40,000	Yes	Various	Yes	\$ 24.96	\$ 998	
Well Pump replacements	Well Pump replacements		DW20-157		Awaiting Approval	\$ 15,000	Yes	Various	Yes	\$ 24.96	\$ 374	
Chemical Feed pump replacements	Chemical Feed pump replacements		DW20-157		Awaiting Approval	\$ 10,000	Yes	Various	Yes	\$ 24.96	\$ 250	
Install/replace treatment systems in small CWS.	Install/replace treatment systems in small CWS.		DW20-157		Awaiting Approval	\$ 15,000	Yes	Various	Yes	\$ 24.96	\$ 374	
Misc. Structural Improvements	Misc. Structural Improvements		DW20-157		Awaiting Approval	\$ 15,000	Yes	Various	Yes	\$ 24.96	\$ 374	
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased		DW20-157		Awaiting Approval	\$ 20,000	Yes	Various	Yes	\$ 24.96	\$ 499	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		DW20-157		Awaiting Approval	\$ 30,000	Yes	Various	Yes	\$ 24.96	\$ 749	
Well Rehabilitation	Well Rehabilitation		DW20-157		Awaiting Approval	\$ 50,000	Yes	Various	Yes	\$ 24.96	\$ 1,248	
WTP Structural/HVAC	WTP Structural/HVAC		DW20-157		Awaiting Approval	\$ 10,000	Yes	Nashua	Yes	\$ 27.70	\$ 277	
Bowers Pond Spillway Improvements	Bowers Pond Spillway Improvements to bypass revised NHDES flows		DW20-157		Awaiting Approval	\$ 1,800,000	Yes	Merrimack/Nashua	Yes	\$ 25.11	\$ 45,189	Work required to expand Spill due to NHDES Hazard reclassification of Bowers Dam
Purchase new lab equipment	Purchase new lab equipment		DW20-157		Awaiting Approval	\$ 20,000	Yes	Nashua	Yes	\$ 27.70	\$ 554	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects		DW20-157		Awaiting Approval	\$ 10,000	Yes	Nashua	Yes	\$ 27.70	\$ 277	
Re-paint FWPS ceiling	Re-paint FWPS ceiling		DW20-157		Awaiting Approval	\$ 20,000	Yes	Nashua	Yes	\$ 27.70	\$ 554	
WTP Replace Vehicle	Replace High Mileage Vehicle.		DW20-157		Awaiting Approval	\$ 65,000	Yes	Nashua	No	\$ 27.70	\$ -	
WTP Replace Vehicle	Replace High Mileage Vehicle.		DW20-157		Awaiting Approval	\$ 40,000	Yes	Nashua	No	\$ 27.70	\$ -	
Misc Hardware	Misc Hardware			0.1 DSRR		\$ 20,000	No	Nashua	No	\$ 27.70	\$ -	
Misc Software	Misc Software			0.1 DSRR		\$ 12,000	No	Nashua	No	\$ 27.70	\$ -	
Network Hardware infrastructure improvements	Update aging network infrastructure.		DW20-157		Awaiting Approval	\$ 80,000	Yes	Nashua	No	\$ 27.70	\$ -	
Major Software Replacement Project				0.1 DSRR		\$ 60,000	No	Nashua	No	\$ 27.70	\$ -	
Munis Enhancements	Munis Enhancements		DW20-157		Awaiting Approval	\$ 35,000	Yes	Nashua	No	\$ 27.70	\$ -	
<b>Pennichuck Water Works Projected 2022 Total Capital Expenditure Budget -</b>						<b>\$ 11,208,600</b>		<b>Projected Property Tax Expense -</b>		<b>\$ 276,573</b>		

**Total Projected Bond funded PWW QCPAC Capex for 2022 - \$ 10,236,600** less \$ 800,000 for Milford Booster. Milford to pay the 1.1x P&I  
**Total Projected NHDES SRF/DWGTf funded PWW QCPAC Capex for 2022 - \$ -**  
**Total for 0.1 DSRR Projects - \$ 172,000**

Estimated Bond Terms (Bonds to be sold in April 2022) - 30 Years @ 4.5% resulting in P&I of \$ 628,441

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



Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Approved Budgeted Amount	QCPAC Eligible?	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since Feb 2021 Filing
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Project Name/Description	Project Description	Work Order #	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Approved Budgeted Amount	QCPAC Eligible?	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since Feb 2021 Filing
2023 New Services (10)	Single Family, Owner Build, New Homes		DW20-157		Awaiting Approval	\$ 50,000	Yes	Various	Yes	\$ 24.96	\$ 1,248	
2023 Renewed Services (20)	Replacement of Failed Services		DW20-157		Awaiting Approval	\$ 110,000	Yes	Various	Yes	\$ 24.96	\$ 2,746	
2023 Hydrants (15)	Replacement of non-functional hydrants		DW20-157		Awaiting Approval	\$ 90,000	Yes	Various	Yes	\$ 24.96	\$ 2,246	
2023 Gates (10)	Replacement of Failed Gate Valves		DW20-157		Awaiting Approval	\$ 40,000	Yes	Various	Yes	\$ 24.96	\$ 998	
2023 Radios (500)	Replacement of failed Radios (250), New Radios for new customers (250).		DW20-157		Awaiting Approval	\$ 50,000	Yes	Various	Yes	\$ 24.96	\$ 1,248	
2023 Radios (4000)	Yr 2 of 7 Replacement of all PWW Radios installed in 2007 (4000) by contractor.		DW20-157		Awaiting Approval	\$ 520,000	Yes	Various	Yes	\$ 24.96	\$ 14,795	
2023 Meters (Growth) 5/8"-2" - Core & CWS (TBD)	New meters for new customers, including PFOA (250). Replacement of failed meters(250).		DW20-157		Awaiting Approval	\$ 50,000	Yes	Various	Yes	\$ 24.96	\$ 1,248	
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles.		DW20-157		Awaiting Approval	\$ 70,000	Yes	Merrimack	No	\$ 22.51	\$ -	
Replacement Utility Truck	New Utility Truck to replace existing high mileage/maintenance vehicles.		DW20-157		Awaiting Approval	\$ 70,000	Yes	Merrimack	No	\$ 22.51	\$ -	
Replacment Supervisor Pickup	New Full Sized Pickup to Replace existing high mileage/maintenance pickup.		DW20-157		Awaiting Approval	\$ 45,000	Yes	Merrimack	No	\$ 22.51	\$ -	
Replacement Utility Van	New Utility Van to replace existing high mileage/maintenance vehicles.		DW20-157		Awaiting Approval	\$ 40,000	Yes	Merrimack	No	\$ 22.51	\$ -	
Protectus Meter Upgrade	Protectus Meter Upgrade		DW20-157		Awaiting Approval	\$ 22,000	Yes	Nashua	No	\$ 27.70	\$ -	
Miscellaneous Construction Equipment	Miscellaneous Construction Equipment			0.1 DSRR		\$ 40,000	Yes	Merrimack	No	\$ 22.51	\$ -	
PWW RRA- ERP	Implement Structural Recommendations Evaluated in 2021.		DW20-157		Awaiting Approval	\$ 500,000	Yes	Various	Yes	\$ 24.96	\$ 14,226	
Sargent Street	Replace 1900 LF 6 inch CI with 1900 LF 16 inch DIPCL.		DW20-157		Awaiting Approval	\$ 84,000	Yes	Nashua	Yes	\$ 27.70	\$ 2,327	
Courtland Street	Replace 1170 LF 4 inch CI with 1170 LF 16 inch DIPCL.		DW20-157		Awaiting Approval	\$ 52,000	Yes	Nashua	Yes	\$ 27.70	\$ 1,440	
Ald Street	Replace 1860 LF of 6 & 8 inch CI with 12 inch DIPCL.		DW20-157		Awaiting Approval	\$ 130,000	Yes	Nashua	Yes	\$ 27.70	\$ 3,601	
Lawndale Avenue	Replace 1085 LF of 6 inch CI with 12 inch DIPCL.		DW20-157		Awaiting Approval	\$ 73,000	Yes	Nashua	Yes	\$ 27.70	\$ 2,022	
Benson Avenue	Replace 550 LF of 4 inch CI with 8 inch DIPCL.		DW20-157		Awaiting Approval	\$ 28,000	Yes	Nashua	Yes	\$ 27.70	\$ 776	
Spaulding Street	Replace 950 LF of 6 inch CI with 8 inch DIPCL.		DW20-157		Awaiting Approval	\$ 48,000	Yes	Nashua	Yes	\$ 27.70	\$ 1,330	
Alstead Avenue	Replace 240 LF of 4 inch CI with 4 inch DIPCL.		DW20-157		Awaiting Approval	\$ 11,000	Yes	Nashua	Yes	\$ 27.70	\$ 305	
Spaulding Avenue	Replace 430 LF of 6, 2, & 1.25 inch CI with 4 inch DIPCL.		DW20-157		Awaiting Approval	\$ 14,000	Yes	Nashua	Yes	\$ 27.70	\$ 388	
St Lazare Street	Replace 415 LF of 2 inch CI with 4 inch DIPCL.		DW20-157		Awaiting Approval	\$ 14,000	Yes	Nashua	Yes	\$ 27.70	\$ 388	
Ingalls St (St Camille to end)	Replace 200 LF of 1.5 inch CI with 4 inch DIPCL.		DW20-157		Awaiting Approval	\$ 6,000	Yes	Nashua	Yes	\$ 27.70	\$ 166	
Nye Avenues	Replace 400 LF of 2 & 1.5 inch CI with 4 inch DIPCL.		DW20-157		Awaiting Approval	\$ 13,000	Yes	Nashua	Yes	\$ 27.70	\$ 360	
Copp Street	Replace 350 LF of 6 inch CI with 8 inch DIPCL.		DW20-157		Awaiting Approval	\$ 18,000	Yes	Nashua	Yes	\$ 27.70	\$ 499	
Gray Avenue	Replace 360 LF of 6 inch CI with 6 inch DIPCL.		DW20-157		Awaiting Approval	\$ 15,000	Yes	Nashua	Yes	\$ 27.70	\$ 416	
2022 Nashua City Sewer Projects	To be detremined (Paving)		DW20-157		Awaiting Approval	\$ 200,000	Yes	Nashua	Yes	\$ 27.70	\$ 5,540	
Fairview Street	Replace 800 LF 6 inch CI with 800 LF 8 inch DIPCL.		DW20-157		Awaiting Approval	\$ 47,000	Yes	Nashua	Yes	\$ 27.70	\$ 1,302	
Water Main Replacement Additional Paving Carry Over	TBD from 2022		DW20-157		Awaiting Approval	\$ 400,000	Yes	Nashua	Yes	\$ 27.70	\$ 11,080	
Booster Station Replacement/Upgrade	To be determined		DW20-157		Awaiting Approval	\$ 800,000	Yes	Nashua	Yes	\$ 27.70	\$ 22,160	
Water Main Replacement	To be determined		DW20-157		Awaiting Approval	\$ 3,700,000	Yes	Nashua	Yes	\$ 27.70	\$ 102,490	
2023 Nashua City Sewer Projects	To be determined		DW20-157		Awaiting Approval	\$ 900,000	Yes	Nashua	Yes	\$ 27.70	\$ 24,930	
Merrimack River Watershed Council	Grant Match with other Stakeholders \$40k for five years.			0.1 DSRR		\$ 40,000	No	Various	No	\$ 24.96	\$ -	
Trimble GPS and Monitoring Equipment	Level Monitors, Pressure Monitors and Flow Monitors		DW20-157		Awaiting Approval	\$ 32,000	Yes	Merrimack	No	\$ 22.51	\$ -	
Investment in Developer Services	1x Annual Revenue		DW20-157		Awaiting Approval	\$ 90,000	Yes	Various	Yes	\$ 24.96	\$ 2,246	
Replace Engineering SUV	Replace vehicle with high mileage.		DW20-157		Awaiting Approval	\$ 30,000	Yes	Various	No	\$ 24.96	\$ -	
Replace Engineering Pickup	Replace vehicle with high mileage.		DW20-157		Awaiting Approval	\$ 40,000	No	Various	No	\$ 24.96	\$ -	
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild		DW20-157		Awaiting Approval	\$ 40,000	Yes	Various	Yes	\$ 24.96	\$ 998	
Well Pump replacements	Well Pump replacements		DW20-157		Awaiting Approval	\$ 15,000	Yes	Various	Yes	\$ 24.96	\$ 374	
Chemical Feed pump replacements	Chemical Feed pump replacements		DW20-157		Awaiting Approval	\$ 15,000	Yes	Various	Yes	\$ 24.96	\$ 374	
Carbon media changeout-filters 1 & 2 (Spring of 2023)	Carbon media changeout-filters 1 & 2		DW20-157		Awaiting Approval	\$ 500,000	Yes	Nashua	Yes	\$ 27.70	\$ 13,850	
Install/replace treatment systems in small CWS.	Install/replace treatment systems in small CWS.		DW20-157		Awaiting Approval	\$ 15,000	Yes	Various	Yes	\$ 24.96	\$ 374	
Misc. Structural Improvements	Misc. Structural Improvements		DW20-157		Awaiting Approval	\$ 20,000	Yes	Various	Yes	\$ 24.96	\$ 499	
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased		DW20-157		Awaiting Approval	\$ 20,000	Yes	Various	Yes	\$ 24.96	\$ 499	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		DW20-157		Awaiting Approval	\$ 30,000	Yes	Various	Yes	\$ 24.96	\$ 749	
Well Rehabilitation	Well Rehabilitation		DW20-157		Awaiting Approval	\$ 50,000	Yes	Various	Yes	\$ 24.96	\$ 1,248	
WTP Structural/HVAC	WTP Structural/HVAC		DW20-157		Awaiting Approval	\$ 10,000	Yes	Nashua	Yes	\$ 27.70	\$ 277	
Purchase new lab equipment	Purchase new lab equipment.		DW20-157		Awaiting Approval	\$ 20,000	Yes	Nashua	No	\$ 27.70	\$ -	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects		DW20-157		Awaiting Approval	\$ 10,000	Yes	Various	Yes	\$ 24.96	\$ 250	
Replace Vehicle	Replace High Mileage Vehicle.		DW20-157		Awaiting Approval	\$ 65,000	Yes	Nashua	No	\$ 27.70	\$ -	
Carbon media chageout - 3 & 4 (Fall of 2023)	Carbon media chageout - 3 & 4		DW20-157		Awaiting Approval	\$ 500,000	Yes	Nashua	Yes	\$ 27.70	\$ 13,850	
Replace Vehicle	Replace High Mileage Vehicle.		DW20-157		Awaiting Approval	\$ 40,000	Yes	Nashua	No	\$ 27.70	\$ -	
Misc Hardware	Misc Hardware			0.1 DSRR		\$ 20,000	No	Nashua	No	\$ 27.70	\$ -	
Misc Software	Misc Software			0.1 DSRR		\$ 12,000	No	Nashua	No	\$ 27.70	\$ -	
Network Hardware infrastructure improvements	Update aging network infrastructure.		DW20-157		Awaiting Approval	\$ 80,000	Yes	Nashua	No	\$ 27.70	\$ -	
Major Software Replacement Project				0.1 DSRR		\$ 60,000	No	Nashua	No	\$ 27.70	\$ -	
Munis Enhancements	Munis Enhancements			0.1 DSRR		\$ 35,000	No	Nashua	No	\$ 27.70	\$ -	
Misc Computer replacements				0.1 DSRR		\$ 15,000	No	Nashua	No	\$ 27.70	\$ -	
<b>Pennichuck Water Works Projected 2023 Total Capital Expenditure Budget -</b>						<b>\$ 10,054,000</b>				<b>Projected Property Tax Expense -</b>	<b>\$ 255,863</b>	

Total Projected Bond funded PWW QCPAC Capex for 2023 - \$ 9,832,000  
 Total Projected NHDES SRF/DWGTf funded PWW QCPAC Capex for 2023 - \$ -  
 Total for 0.1 DSRR Projects - \$ 222,000

Estimated Bond Terms (Bonds to be sold in April 2024) - 30 Years @ 4.5% resulting in P&I of \$ 603,602

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