

	Requested DW 20-156 Revenue Requirements	Projected 2020 Qualified Capital Project pro formas	Projected QCPAC Surcharge for 2020 Capital Additions	Projected 2021 Qualified Capital Project pro formas	Projected QCPAC Surcharge for 2021 Capital Additions	Projected 2022 Qualified Capital Project pro formas	Projected QCPAC Surcharge for 2022 Capital Additions	Projected QCPAC For 2023 Capital Additions pro formas	Projected QCPAC Surcharge for 2023 Capital Additions	Projected QCPAC For 2024 Capital Additions pro formas	Projected QCPAC Surcharge for 2024 Capital Additions
City Bond Fixed Revenue Requirement (CBFRR)	\$ 926,309		\$ 926,309	\$ -	\$ 926,309	\$ -	\$ 926,309	\$ -	\$ 926,309	\$ -	\$ 926,309
Material Operating Expense Revenue Requirement (MOERR)	\$ 6,982,335 (1)	\$ 109,255 (5)(11)	\$ 7,091,590	\$ 20,174 (5)	\$ 7,111,764	\$ 43,714 (5)	\$ 7,155,478	\$ 33,081 (5)	\$ 7,188,560	\$ 30,351 (5)	\$ 7,218,910
Operating Expense Contingency	1.04 (2)		1.04		1.04		1.04		1.04		1.04
Material Operating Expense Revenue Requirement (MOERR) (12)	7,261,628		7,370,883		7,391,058		7,434,772		7,467,853		7,498,204
Non Material Operating Expense Revenue Requirement (NOERR)	\$ 7,163		\$ 7,163		\$ 7,163		\$ 7,163		\$ 7,163		\$ 7,163
Amortization Expense (not subject to MOEF)	\$ 52,281		\$ 52,281		\$ 52,281		\$ 52,281		\$ 52,281		\$ 52,281
Debt Service Revenue Requirement (DSRR 1.0)	\$ 1,739,398 (3)	\$ 270,766 (6)	\$ 2,010,164	\$ 69,326 (7)	\$ 2,079,490	\$ 148,181 (13)	\$ 2,227,671	\$ 104,132 (13)	\$ 2,331,803	\$ 128,132 (13)	\$ 2,459,936
Principal and Interest Coverage Requirement	1.10		1.10		1.10		1.10		1.10		1.10
Total Debt Service Revenue Requirement including the .01 DSRR	\$ 1,913,338		\$ 2,211,181		\$ 2,287,440		\$ 2,450,439		\$ 2,564,984		\$ 2,705,929
Revenue Requirement exclusive of NCCRS	\$ 10,160,719		\$ 10,567,817		\$ 10,664,250		\$ 10,870,963		\$ 11,018,590		\$ 11,189,886
Less Other Operating Revenues	\$ 30,188 (4)		\$ 30,188		\$ 30,188		\$ 30,188		\$ 30,188		\$ 30,188
Revenues required from Customer Classes exclusive of NCCRS	\$ 10,130,531		\$ 10,537,629		\$ 10,634,062		\$ 10,840,775		\$ 10,988,402		\$ 11,159,698
Revenues subject to QCPAC	\$ 10,130,531		\$ 10,537,629		\$ 10,634,062		\$ 10,840,775		\$ 10,988,402		\$ 11,159,698
Projected QCPAC Increase (8)			4.02%		0.95%		2.04%		1.46%		1.69%
Cumulative QCPAC increase (9)			4.02%		4.97%		7.01%		8.47%		10.16%
Cumulative QCPAC monthly increase in average single family residential bill			\$ 3.39		\$ 4.19		\$ 5.91		\$ 7.14		\$ 8.57
Average monthly single family residential bill with QCPAC			\$ 87.70		\$ 88.50		\$ 90.22		\$ 91.45		\$ 92.88

Notes:

- (1) Operating Expense Revenue requirement is the sum of the Total Operating Expenses and Property Tax Expense sought in DW20-156. It does not include Amortization Expense.
- (2) Material operating expense factor requested in DW20-156.
- (3) Annual Principal and interest payments for PEU debt associated with plant in service being sought in DW20-156 less Georgetown project in Lock Lake.
- (4) Other Revenues from 2019 Test Year in DW20-156.
- (5) QCPAC operating expense proformas are based on the property taxes for plant added during the year.
- (6) See Calculation of annual principal and interest payments on spreadsheet titled "2020 QCPAC PEU Additions."
- (7) Portion of Annual Principal and interest payments paid to CoBank for debt associated with plant a placed in service between 1/1/2021 and 12/31/2021 for designated year based on 25 year term loan with an actual total all in interest rate of 5.00% that was not recovered in DW20-156.
- (8) QCPAC percent revenue surcharges based on increase in revenues over the revenues requested in DW20-156.
- (9) Cumulative surcharge percentage is based on total surcharge revenues collected divided by the revenues requested in DW20-156.
- (10) QCPAC operating expense proforma associated with property taxes is reduced by \$ 70,000 to reflect reduction in purchased water costs associated with the completion of the Londonderry Storage Tank. Due to delay in this project this proforma was removed from the 2022 QCPAC calculation
- (11) QCPAC operating expense proforma associated with property taxes is reduced by \$ 28,000 to reflect reduction in arsenic treatment costs associated with the completion of the Locke Lake raw water well line to the Peacham Road Treatment plant.
- (12) MOEF is not applied to QCPAC expenses
- (7) Portion of Annual Principal and interest payments paid to CoBank for debt associated with plant a placed in service between 1/1 and 12/31 in 2022, 2023 and 2024 based on a 25 year term loan with an actual total all in interest rate of 5.50% that was not recovered in DW20-156.

Impact on PEU Single Family Residential Home:

Monthly meter charge requested in DW20-156	\$ 22.56
Average Single Family Consumption (CCF)	6.50
Consumption Charge requested in DW20-156	\$ 9.50 per CCF
Average Single Family monthly bill with rates requested in DW20-156	\$ 84.31

Tax rate is the sum of the local community rate plus the Statewide Utility tax rate of \$6.60/\$1000.				Funded with SRF -				\$	-	\$	1,490,000	\$	1,700,000	\$	3,972,500	\$	4,007,147	
2. The 2020 PEU Capital Expenditures Budget presented were approved by the Board in January 2020.																		
3. Projected CoBank Loan Terms are	25 Years at	4.18%	resulting in P&I of					\$	152,403	\$	127,206	\$	63,867	\$	74,069			
4. Remainder of Locke Lake Surface Water Treatment project to completed in early 2021 at a total projected cost of		\$	232,853															
5. Projected SRF Terms for Locke Lake project are	30 Years at	2.704%	resulting in P&I of					\$	73,139	\$	83,447	\$	194,997	\$	196,697			
Total projected P&I on debt incurred to support 2020 used and useful capex -								Total projected annual P&I for 2020 used and useful QCP's	\$	225,542	\$	210,654	\$	258,864	\$	270,766	\$	232,853

Project Name/Description	Project Description	Work Order #	2021 Board Approved Budgeted	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Source of Funding	Eligible for 2021 QCPAC Surcharge	Eligible for 2021 QCPAC Surcharge	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 Petition Filing	
Locke Lake Surface Water Treatment ⁴	Intake & Treatment Facility Construction	2101752	\$ 200,000	DW18-132	26,189	11/26/2018	SRF	Yes	\$ 200,000	\$ 240,000	\$ 200,000	\$ 240,000	\$ 252,821	Barnstead	Yes	\$ 26.69	\$ 6,748	Total project cost incurred between 2019 through 2021 when project became Used and Useful.	
Pelham Main Replacement/Addition	Replace 1600 LF of 3 inch PE with 12 in C-900 and add 775 LF of 12 in C-900 on Monticello, Mt. Vernon and Lane Road - Finish Paving	2105634	\$ 40,000		Pending Filing		CoBank	Yes	\$ 40,000	\$ 40,000	\$ 40,000	\$ 87,366	\$ 32,369	Pelham	Yes	\$ 21.15	\$ 685	Actual Final Paving and restoration costs	
Pelham Main Replacement/Addition	Finish Paving	2105635			Pending Filing		CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 62,849	Pelham	Yes	\$ 21.15	\$ 1,329	included in WO 2105634 final paving	
Pelham Main Replacement/Addition	Finish Paving	2105636			Pending Filing		CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 5,132	Pelham	Yes	\$ 21.15	\$ 109	included in WO 2105634 final paving	
Londonderry System Improvements	Tank, Transmission Main, & Booster Station	2102351	\$ 1,600,000		0.1 DSR		0.1 DSR	No	\$ 1,600,000	\$ 100,000	\$ 100,000	\$ 15,000	\$ 13,698	Londonderry	No	\$ 23.34	\$ -	Engineering only in 2021. Project delay in permitting will require carry over into 2022	
Atkinson Booster pump station design	Atkinson Booster pump station design	2102306	\$ 30,000		0.1 DSR		0.1 DSR	No	\$ 30,000	\$ 30,000	\$ 30,000	\$ -	\$ -	Atkinson	No	\$ 17.54	\$ -	Deferred	
Locke Lake Filter Replacement	Replace two failed (structural-collapse of screen supports) iron, manganese, & arsenic filters.	n/a	\$ 30,000		Pending Filing		CoBank	Yes	\$ 30,000	\$ -	\$ 10,000	\$ -	\$ -	Barnstead	Yes	\$ 26.69	\$ -	Completed in 2020	
Airstrip Station Decommissioning	Abandon unused wells and Station	2101758	\$ 40,000	DW18-132	26,189	11/26/2018	SRF	Yes	\$ 40,000	\$ 78,000	\$ 78,000	\$ 78,000	\$ 77,613	Barnstead	No	\$ 26.69	\$ -	Complete	
1 x revenue investments Normal Run Rate	Per Tariff	Routine	\$ 100,000		Pending Filing		CoBank	Yes	\$ 100,000	\$ 170,000	\$ 155,000	\$ 160,000	\$ 149,759	Various	Yes	\$ 24.03	\$ 3,599	110 New Developer Installed in 2021.	
Sunrise Estates	Station Replacement (design)	2102007	\$ -		0.1 DSR		0.1 DSR	No	\$ -	\$ 8,000	\$ 8,000	\$ 3,000	\$ 2,764	Middleton	No	\$ 32.66	\$ -	Deferred - monies shown for engineering design	
Londonderry Core Re-Chloramination	Re-chloramination Evaluation and Preliminary Design	2003760 & 2102008	\$ -		0.1 DSR		0.1 DSR	No	\$ -	\$ 700	\$ 700	\$ 700	\$ 12,469	Londonderry	No	\$ 23.34	\$ -	Deferred - monies shown for engineering design	
Nesenkeag Well Decomission	Nesenkeag Well Decomission	2104691	\$ -		0.1 DSR		0.1 DSR	No	\$ -	\$ 19,600	\$ 20,000	\$ 20,000	\$ 19,600	Londonderry	No	\$ 23.34	\$ -	Complete	
Londonderry RRA and ERP	Londonderry RRA and ERP	2105486	\$ -		0.1 DSR		0.1 DSR	No	\$ -	\$ -	\$ 26,150	\$ 26,150	\$ 2,462	Londonderry	No	\$ 23.34	\$ -	Missed in original budget. Required by NHDES under American Water Infrastructure Act	
Litchfield RRA and ERP	Litchfield RRA and ERP	2105487	\$ -		0.1 DSR		0.1 DSR	No	\$ -	\$ -	\$ 26,150	\$ 26,150	\$ 4,862	Litchfield	No	\$ 23.34	\$ -	Missed in original budget. Required by NHDES under American Water Infrastructure Act	
Litchfield- Londonderry Evaluation	Litchfield- Londonderry Evaluation	2105687	\$ -		0.1 DSR		0.1 DSR	No	\$ -	\$ -	\$ 10,000	\$ 16,000	\$ 15,362	Lond/Litchfield	No	\$ 23.34	\$ -	Requested evaluation by NHDES - Internal Engineering Staff. Ability to serve water from Nashua	
Castle Reach, Replace VFD, Pump #2	Booster Pump replacement/rebuild	2107680	\$ -		DW21-102		CoBank	Yes	\$ -	\$ -	\$ 1,300	\$ 1,300	\$ 1,295	Windham	Yes	\$ 23.37	\$ 30		
Liberty Tree, Replace VFD, Pump #1	Booster Pump replacement/rebuild	2109974	\$ 1		Pending Filing		CoBank	Yes	\$ 1			\$ 1,788	Rsymond	Yes	\$ 23.46	\$ 42			
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	Routine	\$ 40,000		Pending Filing		CoBank	Yes	\$ 40,000	\$ 30,000	\$ 25,000	\$ 20,000	\$ 15,865	Various	Yes	\$ 24.03	\$ 381	Installed/Repaired 5 pumps in 2021.	
Well Pump replacements	Well Pump replacements	Routine	\$ 40,000		Pending Filing		CoBank	Yes	\$ 40,000	\$ 30,000	\$ 30,000	\$ 25,000	\$ 25,643	Various	Yes	\$ 24.03	\$ 616	Installed/Repaired 7 well pumps in 2021.	
Chemical Feed pump replacements	Chemical Feed pump replacements	Routine	\$ 10,000		Pending Filing		CoBank	Yes	\$ 10,000	\$ 8,000	\$ 6,000	\$ 6,000	\$ 3,768	Various	Yes	\$ 24.03	\$ 91	Installed/Repaired 2 chem feed pumps in 2021.	
Install/replace treatment systems in small CWS (supplemental Arsenic treatment systems)	Install/replace treatment systems in small CWS (supplemental Arsenic treatment systems).	n/a	\$ 50,000		Pending Filing		CoBank	Yes	\$ 50,000	\$ 27,000	\$ 27,000	\$ -		Various	Yes	\$ 24.03	\$ -		
Install Poly Phosphate Sequestration System, Skyview Estates, Pelham	Install Poly Phosphate Sequestration System, Skyview Estates, Pelham	2104065	Install/Replace Treatment - See above		Pending Filing		CoBank	Yes	\$ -	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,126	Pelham	Yes	\$ 21.15	\$ 66		
Install/replace treatment systems in small CWS (supplemental Arsenic treatment systems)	Install PFAs Removal Treatment System, Harvest Village, Londonderry	2104692	Install/Replace Treatment - See above		Pending Filing		CoBank	Yes	\$ -	\$ 20,000	\$ 20,000	\$ 20,000	\$ 13,170	Londonderry	Yes	\$ 23.34	\$ 307		
Misc. Structural Improvements	Misc. Structural Improvements	n/a	\$ 20,000		Pending Filing		CoBank	Yes	\$ 20,000	\$ 5,750	\$ 5,750	\$ -		Various	Yes	\$ 24.03	\$ -		
Pave Access Road to Stone Sled Station	Misc. Structural Improvements	2103983	Misc.. Structural Imp. - See above		Pending Filing		CoBank	Yes	\$ -	\$ 14,250	\$ 14,250	\$ 14,250	\$ 14,250	Various	Yes	\$ 24.03	\$ 342		
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	\$ 10,000		Pending Filing		CoBank	Yes	\$ 10,000	\$ 10,000	\$ 5,000	\$ -		Various	Yes	\$ 24.03	\$ -		
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	n/a	\$ 30,000		Pending Filing		CoBank	Yes	\$ -	\$ 30,000	\$ 20,000	\$ -		Various	Yes	\$ 24.03	\$ -		
Well Rehabilitation	Well Rehabilitation	n/a	\$ 60,000		Pending Filing		CoBank	Yes	\$ 60,000	\$ 60,000	\$ 51,610	\$ -		Various	Yes	\$ 24.03	\$ -		
Rehabilitate Well #9, Locke Lake, Barnstead	Well Rehabilitation	2102279	\$ -		Pending Filing		CoBank	Yes	\$ -	\$ 8,390	\$ 8,390	\$ 8,390	\$ 8,390	Barnstead	Yes	\$ 26.69	\$ 224		
Install web based communication equipment, 4 locations	Install web based communication equipment, 4 locations	n/a	\$ 20,000		Pending Filing		CoBank	Yes	\$ 20,000	\$ 20,000	\$ 20,000	\$ 5,000		Various	Yes	\$ 24.03	\$ -		
Interconnect the W&E CWS to the Town of Salem Water System.	Interconnect the W&E CWS to the Town of Salem Water System.	2004243 & 2101750	\$ -		Pending Filing		DWGTf	No	\$ -	\$ 565,000	\$ 175,000	\$ 200,000	\$ 221,788	Windham	No	\$ 23.37	\$ -	Added as part of PEU-Salem Windham Franchise exchange. MSDC charge paid for by PEU. Work will not be Used and Useful in 2021. Includes dechloramination. \$175,000 in MSDC was budgeted in 2020, missed carry over. Well #3 capacity and quality changed dramatically in 2020 changing this connection from season to year round and requiring the additional \$550,000 investment. Pipeline and Station work deferred into 2022 due to materials not being available.	
New Services (5)	Single Family, Owner Build, New Homes	Routine	\$ 25,000		Pending Filing		CoBank	Yes	\$ 25,000	\$ 15,000	\$ 20,000	\$ 26,455	\$ 26,455	Various	Yes	\$ 24.03	\$ 636	Installed 5/6 new services in 2021.	
Renewed Services (20)	Replacement of failed services (focus on Locke Lake Services).	Routine	\$ 110,000		Pending Filing		CoBank	Yes	\$ 110,000	\$ 50,000	\$ 40,000	\$ 14,000	\$ 10,686	Various	Yes	\$ 24.03	\$ 257	Renewed 6 services in 2021.	
Hydrants (5)	Replacement of non-functional hydrants	Routine	\$ 30,000		Pending Filing		CoBank	Yes	\$ 30,000	\$ 30,000	\$ 12,000	\$ 12,000	\$ 3,489	Various	Yes	\$ 24.03	\$ 84	Replaced 1 hydrant replacements in 2021	
Gates (8)	Replacement of Failed Gate Valves	Routine	\$ 32,000		Pending Filing		CoBank/0.1 DSR	Yes	\$ 32,000	\$ 40,000	\$ 35,000	\$ 33,000	\$ 43,014	Various	Yes	\$ 24.03	\$ 1,034	Installed/Repaired 6 gates in 2021	
Radios (300)	New Customers (220) and replaced failed radios (80) for meter reading.	Routine	\$ 31,500		Pending Filing		CoBank	Yes	\$ 31,500	\$ 27,000	\$ 20,000	\$ 12,400	\$ 11,972	Various	Yes	\$ 24.03	\$ 288	Installed/Repaired 143 radios in 2021.	
New meters for new customers (220). Replacement of failed meters (80).	New meters for new customers (220) and replacement meters (80).	Routine	\$ 30,000		Pending Filing		CoBank	Yes	\$ 30,000	\$ 50,000	\$ 38,000	\$ 32,000	\$ 31,956	Various	Yes	\$ 24.03	\$ 768	Installed/Repaired 228 meters in 2021	
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter.	Routine	\$ 40,000		Pending Filing		CoBank	Yes	\$ 40,000		\$ -			Various	Yes	\$ 24.03	\$ -	Included in line above	
2021 Radios (1000)	Year 1 of 10 year replacement of all PEU radios (initial radios occurred in 2008)	2101627	\$ 130,000		Pending Filing		CoBank	Yes	\$ 130,000	\$ 106,000	\$ 98,000	\$ 95,000	\$ 101,644	Various	Yes	\$ 24.03	\$ 2,443	Replaced 1048 Radios in 2021.	
Install New Water Service	Install New Water Service	2200375	\$ -		Pending Filing		CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 4,387	North Conway	Yes	\$ 22.16	\$ 97		
Interest on CoBank FALOC	Short term interest from 9/29/2021 - 7/31/2022		\$ -		Pending Filing		CoBank	Yes	\$ -	\$ -	\$ 13,650	\$ 14,870	\$ 11,591	Various	No	\$ 24.03	\$ -	Anticipates closing on CoBank long term loan to pay off CoBank FALOC on 8/1/2022.	
Pennichuck East Utilities Projected 2021 Total Capital Expenditure Budget -									\$ 2,718,501	\$ 1,827,300	\$ 1,392,950	\$ 1,305,031	\$ 984,249	Projected annual property tax expenses for QCPAC eligible projects -					\$ 20,174
2021 0.1 DSR funded projects -									\$ 30,000	\$ 158,300	\$ 221,000	\$ 107,000	\$ 86,313	includes					\$ 15,096.94 to fund replacement of the gate valve that was capitalized in response to Audit Request #2
Pennichuck East Utilities Projected 2021 QCPAC Eligible Capital Investment less 0.1 DSR funded projects -									\$ 2,688,501	\$ 1,669,000	\$ 1,171,950	\$ 1,198,031	\$ 897,936						
Funded with CoBank Loan ¹ -									\$ 2,455,648	\$ 1,436,147	\$ 939,950	\$ 966,031	\$ 665,083						
Funded with SRF Loan ² -									\$ 232,853	\$ 232,853	\$ 232,000	\$ 232,000	\$ 232,853						
W&E project to be funded with DWGTf Loan/Grant in 2022 -													\$ 221,788						

1. Tax rate is the sum of the local community rate plus the Statewide Utility tax rate of \$6.60/\$1000.
2. The 2021 PEU Capital Expenditures Budget presented were approved by the Board in January 2021.
3. Projected CoBank Loan Terms are 25 Years at 7.16% resulting in P&I of \$ 213,767 \$ 125,018 \$ 81,824 \$ 84,094 \$ 57,896
4. Projected SRF Terms for Locke Lake project are 30 Years at 2.704% resulting in P&I of \$ 11,430 \$ 11,430 \$ 11,388 \$ 11,388 \$ 11,430
\$ 225,197 \$ 136,448 \$ 93,212 \$ 95,482 \$ 69,326

Project Name/Description	Project Description	Work Order #	2022 Approved Budgeted Amount (2)	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Source of Funding	Eligible for 2022 QCPAC Surcharge	2022 Budgeted projects Eligible for 2022 QCPAC Surcharge	Estimated Project Cost as of 9/30/2022	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since Petition Filing
Londonderry System Improvements	1.25 MG Tank, 16 Inch Transmission Main, & 3,500 gpm Booster Station - Permitting and Design	2200455	\$ 1,600,000	CoBank		Pending Filing	CoBank	No	\$ 1,600,000	\$ 75,297	Londonderry	Yes	\$ 23.34	\$ 1,757	Project still going through Town permitting process. SS are for engineering and will be 0.1 DSRR
W&E Treatment Improvements	Station Improvements to dechloramine and rechlorinate	n/a	\$ 35,000	DWGTf		Pending Filing	DWGTf	Yes	\$ 35,000	\$ -	Windham	Yes	\$ 23.37	\$ -	Included with Line Below
W&E Water Main Improvements	Interconnection to Sothern NH Regional Water Sys.	2200453	\$ 454,000	DWGTf/CoBank		Pending Filing	DWGTf	Yes	\$ 454,000	\$ 470,547	Windham	Yes	\$ 23.37	\$ 10,997	
Investment in Developer Services	1x Annual Revenue	Routine	\$ 100,000	CoBank		Pending Filing	CoBank	Yes	\$ 100,000	\$ 56,603	Various	Yes	\$ 24.03	\$ 1,360	62 Developer Installed Services thru 09/30/2022. 20 more projected by year end.
Gage Hill Main Replacement	Vassar Dr & Pumping Station - Gage Hill	2207843	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ -	\$ 294,331	Pelham	Yes	\$ 21.15	\$ 6,225	Does not include cost of finish paving in 2023
Gage Hill Main Replacement	Wellesley Drive - Gage Hill	2207844	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ -	\$ 262,356	Pelham	Yes	\$ 21.15	\$ 5,549	Does not include cost of finish paving in 2023
Gage Hill Main Replacement	Radcliffe Drive - Gage Hill	2207845	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ -	\$ 113,047	Pelham	Yes	\$ 21.15	\$ 2,391	Does not include cost of finish paving in 2023
Gage Hill Main Replacement	Bridge Street (Rt. 38) - Gage Hill	2207847	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ -	\$ 55,266	Pelham	Yes	\$ 21.15	\$ 1,169	Does not include cost of finish paving in 2023
Locke Lake Well Pump Replacement	Locke Lake Well Pump Replacement	2206575	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ -	\$ 72,000	Barnstead	Yes	\$ 26.69	\$ 1,922	
2302 West Shore Rd Meter Pit Replacement	2302 West Shore Rd Meter Pit Replacement	2203887	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ -	\$ 7,950	Conway	Yes	\$ 24.03	\$ 191	
Install New Water Serice to Existing Customer	Install New Water Service 2396 W Side Dr	2207058	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ -	\$ 5,300	Conway	Yes	\$ 24.03	\$ 127	
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	Routine	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	\$ 31,246	Various	Yes	\$ 24.03	\$ 751	10 Booster Pumps replaced/repai
Booster Pump replacement/rebuild	Replace VFD, Booster2, Fletcher's Corner	2201771	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ -	\$ 2,750	Windham	Yes	\$ 23.37	\$ 64	
Booster Pump replacement/rebuild	Replace VFD Booster #1, Daniels Lake	2202067	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ -	\$ 3,300	Weare	Yes	\$ 22.34	\$ 74	
Booster Pump replacement/rebuild	Replace Booster 1 VFD, Fletcher	2203979	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ -	\$ 2,710	Windham	Yes	\$ 23.37	\$ 63	
Well Pump replacements	Well Pump replacements	Routine	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	\$ 70,059	Various	Yes	\$ 24.03	\$ 1,684	7 well pumps replaced/repai
Chemical Feed pump replacements	Chemical Feed pump replacements	Routine	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	\$ 2,500	Various	Yes	\$ 24.03	\$ 60	0 year to date. Projecting 1 by year end.
Install/replace treatment systems in small CWS (supplemental Arsenic treatment systems)	Install/replace treatment systems in small CWS (supplemental Arsenic treatment systems)	n/a	\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	\$ 10,000	Various	Yes	\$ 24.03	\$ 240	1 year to date. Projecting 1 by year end.
Misc. Structural Improvements	Misc. Structural Improvements	n/a	\$ 20,000	CoBank		Pending Filing	CoBank	Yes	\$ 20,000	\$ -	Various	Yes	\$ 24.03	\$ -	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	\$ -	Various	Yes	\$ 24.03	\$ -	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	n/a	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	\$ 10,000	Various	Yes	\$ 24.03	\$ 240	
Miscellaneous SCADA/Electrical	Replace Chlorine Analyzer - White Rock	2204658	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ -	\$ 4,500	Bow	Yes	\$ 23.63	\$ 106	
Well Rehabilitation	Well Rehabilitation	n/a	\$ 60,000	CoBank		Pending Filing	CoBank	Yes	\$ 60,000	\$ -	Various	Yes	\$ 24.03	\$ -	o year to date. None projected through year end.
Replace PLC @ W&E CWS	Replace PLC @ W&E CWS	n/a	\$ 18,000	CoBank		Pending Filing	CoBank	Yes	\$ 18,000	\$ -	Windham	Yes	\$ 23.37	\$ -	This project was incorporated in the the Windham Watermain Improvements and Treatment project
Replace SCADA HMI Locke Lake	Replace SCADA HMI Locke Lake	2201774	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	\$ 9,257	Barnstead	Yes	\$ 26.69	\$ 247	
Install web based communication equipment, 4 locations	Install web based communication equipment, 4 locations	n/a	\$ 20,000	CoBank		Pending Filing	CoBank	Yes	\$ 20,000	\$ 10,000	Various	Yes	\$ 24.03	\$ 240	1 completed YTD (see row below) with 2 more expected by year end
Install web based communication equipment, 4 locations	Install GS 300 RTU, Castle Reach	2202068	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ -	\$ 2,063	Windham	Yes	\$ 23.37	\$ 48	
North Conway Water Precinct Well #2 upgrade	Contractural contribution to North Conway Water Precinct Well #2 upgrade	n/a	\$ 50,000		0.1 DSRR		0.1 DSRR	No	\$ 50,000	\$ 50,000	Conway	No	\$ 24.03	\$ -	
New Services (5)	Single Family, Owner Build, New Homes	Routine	\$ 25,000	CoBank		Pending Filing	CoBank	Yes	\$ 25,000	\$ 111,642	Various	Yes	\$ 24.03	\$ 2,683	14 services installed through 09/30/2022. Three more new services expected to be installed by year end.
Renewed Services (10)	Replacement of failed services. 8 dual Services at Locke Lake per NHDES CAP	Routine	\$ 55,000	CoBank		Pending Filing	CoBank	Yes	\$ 55,000	\$ 45,000	Various	Yes	\$ 24.03	\$ 1,081	0 Services renewed through 09/30/2022. Locke Lake work to be completed by year end.
Hydrants (5)	Replacement of non functional hydrants	Routine	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	\$ 6,000	Various	Yes	\$ 24.03	\$ 144	0 Hydrants installed/repai
Gates (10)	Replacement of Failed Gate Valves	Routine	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	\$ 40,000	Various	Yes	\$ 24.03	\$ 961	5 Gate valves replaced/repai
Radios (220)	New Customers (220)	Routine	\$ 23,100	CoBank		Pending Filing	CoBank	Yes	\$ 23,100	\$ 13,830	Various	Yes	\$ 24.03	\$ 332	99 Radios installed through 09/30/2022. 40 additional radios projected to be installed by year end.
New meters for new customers (220). Replacement of failed meters (80)	New meters for new customers (220)	Routine	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	\$ 44,414	Various	Yes	\$ 24.03	\$ 1,067	143 Meters installed/repai
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter	Routine	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	\$ -	Various	Yes	\$ 24.03	\$ -	Included in Line Above
2022 Radios (700)	Year 2 of 10 year replacement of all PEU radios (initial radios occurred in 2008)	2200382	\$ 91,000	CoBank		Pending Filing	CoBank	Yes	\$ 91,000	\$ 80,671	Various	Yes	\$ 24.03	\$ 1,939	847 Radios replaced through 09/30/2022. No further planned replacements scheduled for the remainder of this year.
CoBank Fixed Asset Line of Credit	Short term interest from 8/1/2022 - 7/31/2023	n/a	\$ 20,000	CoBank		Pending Filing	CoBank	Yes	\$ 20,000	\$ 17,500	N/A	No	N/A	\$ -	Anticipates closing on CoBank long term loan to pay off CoBank FALOC on 8/1/2023.
Pennichuck East Utilities Projected 2022 Total Capital Expenditure Budget -			\$ 2,911,100	Projected annual property tax expenses for QCPAC eligible projects - \$ 43,714											
Pennichuck East Utilities Projected 2022 QCPAC Eligible Capital Investment -									\$ 2,861,100	\$ 1,930,140					
Add in 2021 W&E connection expenditures to be funded by DWGTf Loan/Grant -									\$ 221,788	\$ 221,788					
Total Capex to be funded in 2022 with QCPAC -									\$ 3,082,888	\$ 2,151,928					
Funded with CoBank Loan ¹ -									\$ 2,377,888	\$ 1,446,928					
Funded with DWGTf loan ¹ -									\$ 493,500	\$ 493,500					
Funded with DWGWTF Grant -									\$ 211,500	\$ 211,500					
Funding with 0.1 DSRR -									\$ 50,000	\$ 50,000	(Row 37 above, not included in totals in Row 48 above)				

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

2. The 2022 PEU Capital Expenditures Budget presented were approved by the Board in January 2022.

3. Projected CoBank Loan Terms are

4. Project Funded with pending Drinking Water Ground Water Trust Fund Loan/Grant

5. Interest rate changed from 5.5% (original DW22-005 submission) to

		Based on Budget ¹		Based on 9/30/2022 Update	
25 Years at	7.0%	resulting in P&I of	\$ 204,048	\$ 124,162	
25 Years at	1.57%	resulting in P&I of	\$ 24,019	\$ 24,019	
		Total P&I to support proposed QCPAC eligible 2022 Capex -	\$ 228,067	\$ 148,181	

Project Name/Description	Project Description	Work Order #	2023 Approved Budgeted Amount (2)	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Source of Funding	Eligible for 2023 QCPAC Surcharge	Eligible for 2023 QCPAC Surcharge	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense
Sunrise Estates	Booster Station and Storage Tank Replacement		\$ 500,000	CoBank		Pending Filing	CoBank	Yes	\$ 500,000	Middleton	Yes	\$ 32.66	\$ 16,330
Investment in Developer Services	1x Annual Revenue		\$ 100,000	CoBank		Pending Filing	CoBank	Yes	\$ 100,000	Various	Yes	\$ 24.03	\$ 2,403
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.03	\$ 961
Well Pump replacements	Well Pump replacements		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.03	\$ 961
Chemical Feed pump replacements	Chemical Feed pump replacements		\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.03	\$ 240
Install/replace treatment systems in small CWS	Install/replace treatment systems in small CWS		\$ 25,000	CoBank		Pending Filing	CoBank	Yes	\$ 25,000	Various	Yes	\$ 24.03	\$ 601
Misc. Structural Improvements	Misc. Structural Improvements		\$ 20,000	CoBank		Pending Filing	CoBank	Yes	\$ 20,000	Various	Yes	\$ 24.03	\$ 481
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects		\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.03	\$ 240
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.03	\$ 961
Well Rehabilitation	Well Rehabilitation		\$ 60,000	CoBank		Pending Filing	CoBank	Yes	\$ 60,000	Various	Yes	\$ 24.03	\$ 1,442
Web based Communications 3 locations	Web based Communications 3 locations		\$ 18,000	CoBank		Pending Filing	CoBank	Yes	\$ 18,000	Various	Yes	\$ 24.03	\$ 433
New Services (5)	Single Family, Owner Build, New Homes		\$ 25,000	CoBank		Pending Filing	CoBank	Yes	\$ 25,000	Various	Yes	\$ 24.03	\$ 601
Renewed Services (10)	Replacement of failed services (Focus on Locke Lake System)		\$ 55,000	CoBank		Pending Filing	CoBank	Yes	\$ 55,000	Various	Yes	\$ 24.03	\$ 1,322
Hydrants (5)	Replacement of non functional hydrants		\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.03	\$ 721
Gates (10)	Replacement of Failed Gate Valves		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.03	\$ 961
Radios (220)	New Customers (220)		\$ 23,100	CoBank		Pending Filing	CoBank	Yes	\$ 23,100	Various	Yes	\$ 24.03	\$ 555
New meters for new customers (220). Replacement of failed meters (80)	New meters for new customers (220)		\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.03	\$ 721
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.03	\$ 961
2022 Radios (700)	Year 3 of 10 year replacement of all PEU radios (initial radios occurred in 2008)		\$ 91,000	CoBank		Pending Filing	CoBank	Yes	\$ 91,000	Various	Yes	\$ 24.03	\$ 2,187
Interest on CoBank FALOC	Short term interest from 8/1/2023 - 7/31/2024		\$ 16,410	CoBank		Pending Filing	CoBank	Yes	\$ 16,410	N/A	No	N/A	\$ -

Pennichuck East Utilities Projected 2023 Total Capital Expenditure Budget - \$ 1,213,510

Projected annual property tax expenses for QCPAC eligible projects - \$ 33,081

Pennichuck East Utilities Projected 2023 QCPAC Eligible Capital Investment - \$ 1,213,510

Funded with CoBank Loan³ - \$ 1,213,510

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

2. The 2023 PEU Capital Expenditures Budget presented were approved by the Board in January 2022.

3. Projected CoBank Loan Terms are 25 Years at 7.0% resulting in P&I of \$ 104,132

Project Name/Description	Project Description	Work Order #	2024 Approved Budgeted Amount (2)	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Source of Funding	Eligible for 2023 QCPAC Surcharge	Eligible for 2023 QCPAC Surcharge	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense	
New Services (5)	Single Family, Owner Build, New Homes		\$ 25,000	CoBank	Pending Filing		CoBank	Yes	\$ 25,000	Various	Yes	\$ 24.03	\$ 601	
Renewed Services (10)	Replacement of failed services (Focus on Locke Lake System)		\$ 55,000	CoBank	Pending Filing		CoBank	Yes	\$ 55,000	Various	Yes	\$ 24.03	\$ 1,322	
Hydrants (5)	Replacement of non functional hydrants		\$ 30,000	CoBank	Pending Filing		CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.03	\$ 721	
Gates (10)	Replacement of Failed Gate Valves		\$ 40,000	CoBank	Pending Filing		CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.03	\$ 961	
Radios (220)	New Customers (220)		\$ 23,100	CoBank	Pending Filing		CoBank	Yes	\$ 23,100	Various	Yes	\$ 24.03	\$ 555	
New meters for new customers (220). Replacement of failed meters (80)	New meters for new customers (220)		\$ 30,000	CoBank	Pending Filing		CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.03	\$ 721	
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter		\$ 40,000	CoBank	Pending Filing		CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.03	\$ 961	
2022 Radios (700)	Year 4 of 10 year replacement of all PEU radios (initial radios occurred in 2008)		\$ 91,000	CoBank	Pending Filing		CoBank	Yes	\$ 91,000	Various	Yes	\$ 24.03	\$ 2,187	
Investment in Developer Services	1x Annual Revenue		\$ 100,000	CoBank	Pending Filing		CoBank	Yes	\$ 100,000	Various	Yes	\$ 24.03	\$ 2,403	
Atkinson Pioneer Park	Booster Station and Storage Tank Replacement		\$ 800,000	CoBank	Pending Filing		CoBank	Yes	\$ 800,000	Atkinson	Yes	\$ 17.54	\$ 14,032	
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild		\$ 40,000	CoBank	Pending Filing		CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.03	\$ 961	
Well Pump replacements	Well Pump replacements		\$ 40,000	CoBank	Pending Filing		CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.03	\$ 961	
Chemical Feed pump replacements	Chemical Feed pump replacements		\$ 10,000	CoBank	Pending Filing		CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.03	\$ 240	
Install/replace treatment systems in small CWS	Install/replace treatment systems in small CWS		\$ 25,000	CoBank	Pending Filing		CoBank	Yes	\$ 25,000	Various	Yes	\$ 24.03	\$ 601	
Misc. Structural Improvements	Misc. Structural Improvements		\$ 20,000	CoBank	Pending Filing		CoBank	Yes	\$ 20,000	Various	Yes	\$ 24.03	\$ 481	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects		\$ 10,000	CoBank	Pending Filing		CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.03	\$ 240	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		\$ 40,000	CoBank	Pending Filing		CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.03	\$ 961	
Well Rehabilitation	Well Rehabilitation		\$ 60,000	CoBank	Pending Filing		CoBank	Yes	\$ 60,000	Various	Yes	\$ 24.03	\$ 1,442	
Interest on CoBank FALOC	Short term interest from 8/1/2024 - 7/31/2025		\$ 14,100	CoBank	Pending Filing		CoBank	Yes	\$ 14,100	Various	No	N/A	\$ -	
Pennichuck East Utilities Projected 2024 Total Capital Expenditure Budget -			\$ 1,493,200	Projected annual property tax expenses for QCPAC eligible projects -										\$ 30,351
Pennichuck East Utilities Projected 2024 QCPAC Eligible Capital Investment -									\$ 1,493,200					
Funded with CoBank Loan ³ -									\$ 1,493,200					

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

2. The 2024 PEU Capital Expenditures Budget presented were approved by the Board in January 2022.

3. Projected CoBank Loan Terms are

25 Years at

7.0%

resulting in P&I of

\$ 128,132