

	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
City Bond Fixed Revenue Requirement (CBFRR)	\$ 926,309			\$ 926,309	\$ -	\$ 926,309	\$ -	\$ 926,309	\$ -	\$ 926,309
Material Operating Expense Revenue Requirement (MOERR)	\$ 7,306,643	(1)	\$ 109,255	(5)(11) \$ 7,415,898	\$ 7,285	(5)(11) \$ 7,423,183	\$ 10,397	(5)(10) \$ 7,433,580	\$ 63,578	(5) \$ 7,497,158
Operating Expense Contingency	1.06	(2)		1.06		1.06		1.06		1.06
Material Operating Expense Revenue Requirement (MOERR)	7,745,042			7,860,852		7,868,574		7,879,595		7,946,988
Non Material Operating Expense Revenue Requirement (NOERR)	\$ 7,163			\$ 7,163		\$ 7,163		\$ 7,163		\$ 7,163
Debt Service Revenue Requirement (DSRR 1.0)	\$ 1,669,484	(3)	\$ 277,257	(6)(7) \$ 1,946,742	\$ 100,911	\$ 2,047,653	\$ 225,522	\$ 2,273,175	\$ 177,629	\$ 2,450,805
Principal and Interest Coverage Requirement	1.10			1.10		1.10		1.10		1.10
Total Debt Service Revenue Requirement including the .01 DSRR	\$ 1,836,433			\$ 2,141,416		\$ 2,252,418		\$ 2,500,493		\$ 2,695,885
Revenue Requirement exclusive of NCCRS	\$ 10,514,946			\$ 10,935,739		\$ 11,054,464		\$ 11,313,559		\$ 11,576,345
Less Other Operating Revenues	\$ 30,188	(4)		\$ 30,188		\$ 30,188		\$ 30,188		\$ 30,188
Revenues required from Customer Classes exclusive of NCCRS	\$ 10,484,758			\$ 10,905,551		\$ 11,024,276		\$ 11,283,371		\$ 11,546,157
NCCRS Revenue Requirement per DW17-128	\$ 178,915			\$ 178,915		\$ 178,915		\$ 178,915		\$ 178,915
Revenues subject to QCPAC	\$ 10,305,843			\$ 10,726,636		\$ 10,845,361		\$ 11,104,456		\$ 11,367,242
Projected QCPAC Increase <sup>8</sup>				4.08%		1.15%		2.51%		2.55%
Cumulative QCPAC increase <sup>9</sup>				4.08%		5.24%		7.75%		10.30%
Cumulative QCPAC monthly increase in average single family residential bill				\$ 3.49		\$ 4.47		\$ 6.62		\$ 8.80
Average monthly single family residential bill with QCPAC				\$ 88.89		\$ 89.87		\$ 92.02		\$ 94.20

Notes:

- (1) Operating Expense Revenue requirement is the sum of the Total Operating Expenses, Property Tax Expense and Amortization Expense being sought in DW20-156.
- (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 and 12/31 for designated year based on a 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.
- (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.

Impact on PEU Single Family Residential Home:

Monthly meter charge requested in DW20-156	\$ 24.17	
Average Single Family Consumption (CCF)	6.50	
Consumption Charge requested in DW20-156	\$ 9.42	per CCF
Average Single Family monthly bill with rates requested in DW20-156	\$ 85.40	

Project Name/Description	Project Description	Work Order #	Board Approved 2020 Capex Budget	Funding Docket No.	NHPUC Order No.	Date of NHPUC Order	Source of Funding	Eligible for 2021 QCPAC Surcharge	Eligible for 2020 QCPAC Surcharge	Estimated Project Cost as of 6/30/2020	Estimated Project Cost as of 9/30/2020	Estimated Project Cost as of 11/30/2020	Final Project cost as of 12/31/2020	Community	Taxable	Tax Rate (1)	2021 QCPAC Eligible Property Tax Exposure	Explanation for Change/Addition/Deletion since Petition Filing	
Elevated Storage Tank in Londonderry2	Construct 1.25 MG Elevated Storage Tank.	1818349, 1910441, 2003572	\$ 1,545,000				Colback	No	\$ -	\$ -	\$ -	\$ -	\$ -	Londonderry	Yes	\$ 2478	\$ -	Project deferred to 2021 due to permitting.	
Midleton Station Re-build	Re-build Burnside Estates CWS Station. Existing Station is over 40 years old.	n/a	\$ -				Colback	No	\$ -	\$ 340,000	\$ -	\$ -	\$ -	Midleton	Yes	\$ 3355	\$ -	Project deferred to 2021 due to the need to install additional treatment due to lower Arsenic standard.	
Airstrip alternative arsenic treatment	Raw Water Pipeline from Air Strip well to Peacham Road WTP.	1910442, 2003571	\$ 540,000		DW18-132	26,189	SRF	Yes	\$ 540,000	\$ 653,000	\$ 600,000	\$ 653,000	\$ 618,531	Barnstead	Yes	\$ 2784	\$ 17,230	Based on final low bid and actual construction. Different soil conditions encountered than bid estimate during construction.	
Georgetown Drive water main replacement	Replace 4600 LF of 4 inch schedule 40 PVC with 6 inch C900 PVC.	2000363	\$ 10,000		DW18-132	26,189	SRF	Yes	\$ 10,000	\$ 10,000	\$ -	\$ -	\$ 1,056,000	Barnstead	Yes	\$ 2784	\$ 26,960	Recovery of these 2019 used and useful Capex was sought in DW20-019 Filing. While these projects are completed the Company will not be closing out the loan supporting these capital expenditures until June 2021 as it is seeking the P&I associated with these projects in 2021 QCPAC; as opposed to the 2020 QCPAC.	
Bradford Lane water main replacement	Replace 1825 LF of 4 inch schedule 40 PVC with 6 inch C900 PVC.	2000364	\$ 10,000		DW18-132	26,189	SRF	Yes	\$ 10,000	\$ 10,000	\$ -	\$ -	\$ -	Barnstead	Yes	\$ 2784	\$ -	Based on final low bid and actual construction.	
N Barnstead Road - Eliminate deadend piping	Add 1800 LF of 4 inch C900 PVC to eliminate dead end. Replace 275 LF of 4 inch sch 40 PVC with 6 inch C900 PVC.	2000365	\$ 239,000		DW18-132	26,189	SRF	Yes	\$ 239,000	\$ 263,620	\$ 253,000	\$ 253,000	\$ 244,214	Barnstead	Yes	\$ 2784	\$ 6,799	Declared.	
Belmont Drive water main replacement	Replace 900 LF of 4 inch schedule 40 PVC with 6 inch C900 PVC.	2000366	\$ 5,000		DW18-132	26,189	SRF	Yes	\$ 5,000	\$ 5,000	\$ -	\$ -	\$ -	Barnstead	Yes	\$ 2784	\$ -	Based on final low bid and actual construction.	
Route 28 Replacement	Replace 720 LF of 2" PE with 720 LF of 4" C-900 PVC.	2000370	\$ 40,000		DW18-132	26,189	SRF	Yes	\$ 40,000	\$ 55,250	\$ 39,500	\$ 56,500	\$ 69,061	Barnstead	Yes	\$ 2784	\$ 1,925	Issuing Arsenic filter failed in Sept 2020. Increase in price reflects replacement of these filters. More work was completed in 2020 than anticipated, therefore there will be less cost in 2021.	
Locke Lake Surface Water Treatment4	Intake & Treatment Facility Construction	1813495, 1900433, 2003569	\$ 835,000		DW18-132	26,189	SRF	Yes	\$ -	\$ 1,490,000	\$ 1,760,000	\$ 2,050,000	\$ 2,109,000	Barnstead	Yes	\$ 2784	\$ 58,717	Issuing Arsenic filter failed in Sept 2020. Increase in price reflects replacement of these filters. More work was completed in 2020 than anticipated, therefore there will be less cost in 2021.	
Locke Lake Surface Water Treatment5	Intake & Treatment Facility Construction	1813495, 1900433, 2003569	\$ -				Colback	Yes	\$ 32,000	\$ 32,000	\$ 32,000	\$ 32,000	\$ 175,334	Barnstead	Yes	\$ 2784	\$ 4,685	Locke Lake project investment that exceeds the available loan amount of \$420,000. The \$240,000 of remaining funds available via SRF will be drawn down in 2021.	
Rolling Hills Water Main Replacement - Site Restoration from 2019 Project	Replace substandard 2 inch diameter pipe with 4 inch C900 PVC.	2000392	\$ 32,000				Colback	Yes	\$ 32,000	\$ 32,000	\$ 32,000	\$ 32,000	\$ -	Platinum	Yes	\$ 2626	\$ 798	Project scope expanded for access listed below over original budget.	
Peiham Main Replacement/Addition	Replace 1600 LF of 3 inch PE with 12 in C-900 and add 775 LF of 12 in C-900 Monticello & Lane.	2001241	\$ 285,000				Colback	Yes	\$ 265,000	\$ 591,530	\$ 658,600	\$ 658,600	\$ 332,855	Peiham	Yes	\$ 2886	\$ 8,275	Work on this street is in project total for Monticello & Lane Project above.	
Peiham Main Replacement/Addition	Replace Lane Road.	2003563	\$ -				Colback	Yes	\$ -	\$ -	\$ -	\$ -	\$ 182,102	Peiham	Yes	\$ 2886	\$ 4,537	Work on this street is in project total for Monticello & Lane Project above.	
Peiham Main Replacement/Addition	Replace Simpson Road.	2003564	\$ -				Colback	Yes	\$ -	\$ -	\$ -	\$ -	\$ 15,527	Peiham	Yes	\$ 2886	\$ 485	Work on this street is in project total for Monticello & Lane Project above.	
Peiham Main Replacement/Addition	Replace Andrea Lane.	2003565	\$ -				Colback	Yes	\$ -	\$ -	\$ -	\$ -	\$ -	Peiham	Yes	\$ 2886	\$ -	Work on this street is in project total for Monticello & Lane Project above.	
Peiham Main Replacement/Addition	Replace Mount Vernon Drive.	2004325	\$ -				Colback	Yes	\$ -	\$ -	\$ -	\$ -	\$ 60,561	Peiham	Yes	\$ 2886	\$ 1,506	Work on this street is in project total for Monticello & Lane Project above.	
1 x revenue investments Normal Run Rate	Per Tariff	n/a	\$ 100,000				Colback	Yes	\$ 100,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 62,949	Various	Yes	\$ 2486	\$ 1,304	105 Developmental Services Installed thru 12/31/2020.	
Surplus Estates	Station Replacement (design)	2003613	\$ 40,000		0.1 DSRR		Colback	No	\$ -	\$ 30,000	\$ 30,000	\$ 30,000	\$ 7,965	Midleton	No	\$ 3355	\$ -	Design costs incorporated into Station rebuild above.	
Londonderry Core Re-Chlorination	Re-chlorination Evaluation and Preliminary Design	2003700	\$ 35,000		0.1 DSRR		Colback	No	\$ -	\$ 35,000	\$ 35,000	\$ 35,000	\$ 11,620	Londonderry	No	\$ 2478	\$ -	Design costs incorporated into Station rebuild above.	
Adkinson Booster pump station design	Adkinson Booster pump station design	2000717	\$ 30,000		0.1 DSRR		Colback	No	\$ -	\$ -	\$ -	\$ 3,000	\$ -	Adkinson	Yes	\$ 2284	\$ -	Costs incorporated in Adkinson Station rebuild below.	
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	760 / 763 workorders	\$ 40,000				Colback	Yes	\$ 40,000	\$ 35,000	\$ 25,000	\$ 18,000	\$ 15,541	Various	Yes	\$ 2721	\$ 415	1 Booster Pump Replaced/Rebuilt through 12/31/2020.	
Well Pump replacements	Well Pump replacements	760 / 763 workorders	\$ 40,000				Colback	Yes	\$ 40,000	\$ 16,000	\$ 15,000	\$ 15,000	\$ 14,665	Various	Yes	\$ 2721	\$ 399	1 Well Pump Replaced/Rebuilt through 12/31/2020.	
Chemical Feed pump replacements	Chemical Feed pump replacements	760 / 763 workorders	\$ 10,000				Colback	Yes	\$ 10,000	\$ 5,000	\$ 2,000	\$ 2,000	\$ 1,695	Various	Yes	\$ 2721	\$ 46	1 Chemical Feed Pump Replaced/Rebuilt through 12/31/2020.	
Install/replace treatment systems in small CWS	Install/replace treatment systems in small CWS.	n/a	\$ 25,000				Colback	Yes	\$ 25,000	\$ -	\$ -	\$ -	\$ -	Various	Yes	\$ 2721	\$ -	None completed during 2020.	
Misc. Structural Improvements	Misc. Structural Improvements	n/a	\$ 20,000				Colback	Yes	\$ 20,000	\$ 10,000	\$ 5,000	\$ -	\$ -	Various	Yes	\$ 2721	\$ -	None completed during 2020.	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	\$ 10,000				Colback	Yes	\$ 10,000	\$ 5,000	\$ -	\$ -	\$ -	Various	Yes	\$ 2721	\$ -	None completed during 2020.	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	n/a	\$ 30,000				Colback	Yes	\$ 30,000	\$ 27,602	\$ 5,000	\$ 5,000	\$ -	Various	Yes	\$ 2721	\$ -	See projects below.	
Replace Well #1 VFD, Lamplighter Village	Replace Well #1 VFD, Lamplighter Village	2003215	\$ -				Colback	Yes	\$ -	\$ 2,598	\$ 2,598	\$ 2,598	\$ 2,598	Windham	Yes	\$ 2380	\$ 57		
Replace Pump #4 VFD, Liberty Tree	Replace Pump #4 VFD, Liberty Tree	2003248	\$ -				Colback	Yes	\$ -	\$ 1,735	\$ 1,735	\$ 1,735	\$ 1,735	Raymond	Yes	\$ 3015	\$ 33		
Replace Pump #1 VFD, Liberty Tree	Replace Pump #1 VFD, Liberty Tree	2003387	\$ -				Colback	Yes	\$ -	\$ 1,735	\$ 1,735	\$ 1,735	\$ 1,735	Raymond	Yes	\$ 3015	\$ 33		
Well Rehabilitation	Well Rehabilitation	n/a	\$ 60,000				Colback	No	\$ -	\$ 15,000	\$ 15,000	\$ -	\$ -	Various	Yes	\$ 2721	\$ -	None completed during 2020.	
Adkinson Station Rebuild	Station cannot provide requisite flow. Hydro pneumatic tank is in need of	n/a	\$ 500,000				Colback	No	\$ -	\$ -	\$ -	\$ -	\$ -	Adkinson	Yes	\$ 2284	\$ -	Project deferred into 2021 subject to evaluation of financial analysis of rebuilding the station vs. interconnection with H&WFC.	
Install web based communication equipment, 4 locations.	Install web based communication equipment, 4 locations.	n/a	\$ 20,000				Colback	Yes	\$ 20,000	\$ 17,501	\$ 17,501	\$ 17,501	\$ -	Various	Yes	\$ 2721	\$ 57		
Install web based communication equipment, 4 locations.	Pitcher & Corner, install Cellular based Communication	2002270	\$ -				Colback	Yes	\$ -	\$ 2,099	\$ 2,099	\$ 2,099	\$ 2,099	Various	Yes	\$ 2721	\$ 57		
Interconnect the W&M CWS to the Town of Salem Water System.	Interconnect the W&M CWS to the Town of Salem Water System.	2004241	\$ -				DW1817/Colback	No	\$ -	\$ 123,000	\$ 123,000	\$ -	\$ -	Windham	Yes	\$ 2380	\$ -	Added as part of PEU/Salem Windham Franchise exchange. MDC change paid for by PEU. Work will not be Used and Useful in 2020.	
New Services (5)	Single Family, Owner Built, New Homes	729 workorders	\$ 25,000				Colback	Yes	\$ 25,000	\$ 13,000	\$ 7,500	\$ 10,500	\$ 10,500	Various	Yes	\$ 2721	\$ 288	4 new services installed through 12/31/2020.	
Renewal Services (10)	Replacement of failed services.	721 & 722 workorders	\$ 55,000				Colback	Yes	\$ 55,000	\$ 1,012	\$ 7,014	\$ 7,014	\$ 10,137	Various	Yes	\$ 2721	\$ 279	1 Renewed Services installed through 12/31/2020.	
Hydrants (5)	Replacement of non-functional hydrants.	716 & 711 workorders	\$ 30,000				Colback	Yes	\$ 30,000	\$ 16,000	\$ 16,000	\$ 6,000	\$ -	Various	Yes	\$ 2721	\$ -	None completed during 2020.	
Meters SIF 4" Lead Meter Exchange - PEU (600)	Replace High lead brass meter with new no lead brass meter.	761 workorders	\$ 22,000				Colback	Yes	\$ 22,000	\$ 30,000	\$ 26,000	\$ 26,000	\$ 25,672	Various	Yes	\$ 2721	\$ 699	235 Meters installed/yet to be through 12/31/2020 - This is new and replacements together.	
Gates (80)	Replacement of Failed Gate Valves	712 workorders	\$ 32,000				Colback	Yes	\$ 32,000	\$ 6,160	\$ 18,000	\$ 17,054	\$ 17,672	Various	Yes	\$ 2721	\$ 487	14 Gates Installed/Replaced through 12/31/2020.	
Radios (200)	New Customers (220) and replaced failed radios (80) for meter reading.	754 workorders	\$ 32,000				Colback	Yes	\$ 32,000	\$ 16,500	\$ 15,025	\$ 21,000	\$ 24,331	Various	Yes	\$ 2721	\$ 660	196 Radios installed/replaced through 12/31/2020.	
Meters (Growth) SIF 2" - PEU (220)	New meters for new customers (220).	755 workorders	\$ -				Colback	Yes	\$ -	\$ -	\$ -	\$ -	\$ -	Various	Yes	\$ 2721	\$ -	Incorporated in Row 48 above.	
PEU-PWW Interconnection	PEU-PWW Interconnection	2007474	\$ -				Colback	Yes	\$ -	\$ -	\$ -	\$ -	\$ 3,440	Monticello	Yes	\$ 2884	\$ 99		
MSDC Payment to Manchester Water Works	MSDC Payment to Manchester Water Works	2009024	\$ -				Colback	Yes	\$ -	\$ -	\$ -	\$ -	\$ 127,007	Various	No	\$ 2721	\$ -		
Interest on Colback P&I OC	Short term interest from 11/20/2020 - 7/31/2021	\$ -	\$ -				Colback	Yes	\$ -	\$ -	\$ -	\$ 16,000	\$ 16,158	Various	No	\$ 2721	\$ -	Anticipation closing on Colback long term loan to pay off Colback EALOC on 8/1/2021.	
Pennichuck East Utilities Projected 2020 Total Capital Expenditure Budget -																	4,737,069	Projected annual property tax expenses for QCPAC eligible projects -	137,255
Pennichuck East Utilities Projected 2020 QCPAC Eligible Capital Investment less 0.1 DSRR funded projects -																	1,692,000	Funded with Colback Loans -	3,861,191
																	1,692,000	Funded with SRF -	2,371,191
																	1,690,000	Funded with SRF -	1,790,000
																	168,242		142,766
																	73,139		83,447
																	194,997		194,997

1. Tax rate is the sum of the local community rate plus the Statewide Utility tax rate of \$6.60/\$1000.  
2. The 2020 PEU Capital Expenditures Budget presented was approved by the Board in January 2020.  
3. Projected Colback Loan Term rate is 5.0%  
4. Remainder of Locke Lake Surface Water Treatment project to be completed in early 2021 at a total projected cost of \$ 252,853  
5. Projected SRF Term for Locke Lake project are 30 Years at 2.704%

resulting in P&I of

resulting in P&I of

Total projected P&I on debt incurred to support 2020 used and useful capex -

Funded with Colback Loans -

Funded with SRF -

Total projected annual P&I for 2020 used and useful QCP's

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	Community	Taxable	Tax Rate (%)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since Petition Filing
Locke Lake Surface Water Treatment <sup>1</sup>	Intake & Treatment Facility Construction	2101752	\$ 200,000	DW18-152	26,189	11/26/2018	SRF	Yes	\$ 200,000	\$ 240,000	Burnstead	Yes	\$ 27.84	\$ 5,568	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	DW21-102	Pending Filing		Colbank	Yes	\$ 40,000	\$ 40,000	Pelham	Yes	\$ 24.86	\$ 994	
Pelham Main Replacement/Addition	Finish Paving	2105635		DW21-102	Pending Filing		Colbank	Yes							included in WO 2105634 final paving
Pelham Main Replacement/Addition	Finish Paving	2105636		DW21-102	Pending Filing		Colbank	Yes							included in WO 2105634 final paving
Londonderry System Improvements	Tank, Transmission Main, & Booster Station	2102351	\$ 1,600,000	DW21-102	Pending Filing		Colbank	No	\$ 1,600,000	\$ 1,000,000	Londonderry	Yes	\$ 24.78	\$ -	Project delay in permitting will require carry over into 2022
Albany Booster pump station design	Albany Booster pump station design	n/a	\$ 30,000		0.1 DSR			No	\$ 30,000	\$ 30,000	Albany	No	\$ 22.84	\$ -	
Locke Lake Filter Replacement	Replace two failed (structural-collapse of screen supports) iron, manganese, & arsenic filters.	n/a	\$ 30,000	DW21-102	Pending Filing		Colbank	Yes	\$ 30,000	\$ -	Burnstead	Yes	\$ 27.84	\$ -	Completed in 2020
Airstrip Station Decommissioning	Abandon unused wells and Station	2101758	\$ 40,000	DW21-102	Pending Filing		Colbank	Yes	\$ 40,000	\$ 76,000	Burnstead	No	\$ 27.84	\$ -	
1 x revenue investments Normal Run Rate	Per Tariff	Routine	\$ 100,000	DW21-102	Pending Filing		Colbank	Yes	\$ 100,000	\$ 170,000	Various	Yes	\$ 27.25	\$ 4,629	67 New Developer installed thru 06/30/21 projecting 60 more.
Sunrise Estates	Station Replacement (design)	2102407	\$ -		0.1 DSR			No	\$ -	\$ 6,000	Middleton	No	\$ 33.55	\$ -	
Londonderry Core Re-Chloramination	Re-chloramination Evaluation and Preliminary Design	2102408	\$ -		0.1 DSR			No	\$ -	\$ 700	Londonderry	No	\$ 24.78	\$ -	
Neseneague Well Decommission	Neseneague Well Decommission	2104091	\$ -		0.1 DSR			No	\$ -	\$ 19,600	Londonderry	No	\$ 24.78	\$ -	
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	Routine	\$ 40,000	DW21-102	Pending Filing		Colbank	Yes	\$ 40,000	\$ 50,000	Various	Yes	\$ 27.25	\$ 817	Installed/Required 1 pumps through 06/30/21, project 3 more
Well Pump replacements	Well Pump replacements	Routine	\$ 40,000	DW21-102	Pending Filing		Colbank	Yes	\$ 40,000	\$ 50,000	Various	Yes	\$ 27.25	\$ 817	Installed/Required 4 pumps through 06/30/21, project 4 more
Chemical Feed pump replacements	Chemical Feed pump replacements	Routine	\$ 10,000	DW21-102	Pending Filing		Colbank	Yes	\$ 10,000	\$ 4,000	Various	Yes	\$ 27.25	\$ 218	Installed/Required 2 pumps through 06/30/21, project 2 more
Install/replace treatment systems in small CWS (supplemental Arsenic treatment)	Install/replace treatment systems in small CWS (supplemental Arsenic treatment systems).	n/a	\$ 50,000	DW21-102	Pending Filing		Colbank	Yes	\$ 50,000	\$ 27,000	Various	Yes	\$ 27.25	\$ 735	
Install Poly Phosphate Sequestration System, Skyview Estates, Pelham	Install Poly Phosphate Sequestration System, Skyview Estates, Pelham	2104065			Install/Replace Treatment - See above			Yes		\$ 5,000	Pelham	Yes	\$ 24.86	\$ 75	
Install/replace treatment systems in small CWS (supplemental Arsenic treatment)	Install PFAs Removal Treatment System, Harvest Village, Londonderry	2104002			Install/Replace Treatment - See above			Yes		\$ 20,000	Londonderry	Yes	\$ 24.78	\$ 496	
Misc. Structural Improvements	Misc. Structural Improvements	n/a	\$ 20,000	DW21-102	Pending Filing		Colbank	Yes	\$ 20,000	\$ 3,750	Various	Yes	\$ 27.25	\$ 157	
Misc. Structural Improvements	Pave Access Road to Stone Sled Station	2103983			Misc. Structural Improvements - See above			Yes		\$ 14,250	Various	Yes	\$ 24.86	\$ 354	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	\$ 10,000	DW21-102	Pending Filing		Colbank	Yes	\$ 10,000	\$ 10,000	Various	Yes	\$ 27.25	\$ 272	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	n/a	\$ 30,000	DW21-102	Pending Filing		Colbank	Yes	\$ 20,000	\$ 20,000	Various	Yes	\$ 27.25	\$ -	
Well Rehabilitation	Well Rehabilitation	n/a	\$ 60,000	DW21-102	Pending Filing		Colbank	Yes	\$ 60,000	\$ 60,000	Various	Yes	\$ 27.25	\$ 1,634	
Install web based communication equipment, 4 locations	Install web based communication equipment, 4 locations	n/a	\$ 20,000	DW21-102	Pending Filing		Colbank	Yes	\$ 20,000	\$ 20,000	Various	Yes	\$ 27.25	\$ 545	
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	\$ -		Colbank/Grant	Pending Filing	DW/C75/Colbank	Yes	\$ -	\$ 390,000	Windham	Yes	\$ 23.80	\$ 9,317	Added as part of PEU-Salem Windham Franchise exchange. MSDC charge paid for by PEU. Work will not be Used and Useful in 2020. Includes dechloramination. Was budgeted in 2020, missed carry over
New Services (5)	Single Family, Owner Build, New Homes	Routine	\$ 25,000	DW21-102	Pending Filing		Colbank	Yes	\$ 25,000	\$ 15,000	Various	Yes	\$ 27.25	\$ 408	Installed 1 new service through 06/30/21, projecting 2 more
Renewed Services (20)	Replacement of failed services (focus on Locke Lake Services).	Routine	\$ 110,000	DW21-102	Pending Filing		Colbank	Yes	\$ 110,000	\$ 50,000	Various	Yes	\$ 27.25	\$ 1,361	Renewed 3 services through 06/30/21, projecting 10 more
Hydrants (5)	Replacement of non-functional hydrants	Routine	\$ 30,000	DW21-102	Pending Filing		Colbank	Yes	\$ 30,000	\$ 30,000	Various	Yes	\$ 27.25	\$ 817	
Gates (8)	Replacement of Failed Gate Valves	Routine	\$ 32,000	DW21-102	Pending Filing		Colbank	Yes	\$ 32,000	\$ 40,000	Various	Yes	\$ 27.25	\$ 1,089	Installed/Required 9 gates through 06/30/21, Projected 2 more
Radars (300)	New Customers (220) and replaced failed radars (80) for meter reading.	Routine	\$ 31,500	DW21-102	Pending Filing		Colbank	Yes	\$ 31,500	\$ 27,000	Various	Yes	\$ 27.25	\$ 735	Installed/Required 69 radars through 06/30/21, projecting 300 more
New meters for new customers (220). Replacement of failed meters (80)	New meters for new customers (220) and replacement meters (80).	Routine	\$ 30,000	DW21-102	Pending Filing		Colbank	Yes	\$ 30,000	\$ 50,000	Various	Yes	\$ 27.25	\$ 1,361	Installed/Required 109 meters through 06/30/21, projecting 300 more
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter.	Routine	\$ 40,000	DW21-102	Pending Filing		Colbank	Yes	\$ 40,000		Various	Yes	\$ 27.25	\$ -	Included in line above
2021 Radars (1000)	Year 1 of 7 year replacement of all PEU radars (all initial radars installed in 2007).	2101627	\$ 130,000	DW21-102	Pending Filing		Colbank	Yes	\$ 130,000	\$ 106,000	Various	Yes	\$ 27.25	\$ 2,886	Replaced 319 Radars through 06/30/21, projecting 700 more

Pennichuck East Utilities Projected 2021 Total Capital Expenditure Budget -	\$ 2,748,590	Projected annual property tax expenses for QCPAC eligible projects -	\$ 35,285
Pennichuck East Utilities Projected 2021 QCPAC Eligible Capital Investment -	\$ 2,748,590	\$ 1,494,000	
Funded with CoBank Loan <sup>2</sup> -	\$ 2,515,647	\$ 1,261,147	
Funded with SRF Loan <sup>3</sup> -	\$ 232,943	\$ 232,853	

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 5.0%  
4. Projected SRF Terms for Locke Lake project are: 30 Years at 2.704%

resulting in P&I of	\$ 178,491	\$ 49,483	6/30/2021 Update
resulting in P&I of	\$ 11,430	\$ 11,430	
Total Projected P&I -	\$ 189,921	\$ 109,911	

Project Name/Description	Project Description	Work Order #	2022 Approved Budgeted Amount, Revised to reflect 2020 QCPAC activity	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Source of Funding	Eligible for 2022 QCPAC Surcharge	Eligible for 2022 QCPAC Surcharge	Community	Taxable	Tax Rate (t)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since Petition Filing
Wellisley Drive water main replacements <sup>1</sup>	Replace 1760 LF of 2 inch PE with 1760 LF of C900 PVC.		\$ 220,000	ColBank	Pending Filing		ColBank	Yes	\$ 220,000	Pelham	Yes	\$ 24.86	\$ 5,469	
Radcliffe Drive water main replacements <sup>1</sup>	Replace 720 LF of 1.5 inch PE with 720 LF of C900 PVC.		\$ 100,000	ColBank	Pending Filing		ColBank	Yes	\$ 100,000	Pelham	Yes	\$ 24.86	\$ 2,486	
Vassar Drive water main replacements <sup>1</sup>	Replace 1740 LF of 2 inch PE with 1740 LF of C900 PVC.		\$ 220,000	ColBank	Pending Filing		ColBank	Yes	\$ 220,000	Pelham	Yes	\$ 24.86	\$ 5,469	
Londonderry System Improvements	Tank, Transmission Main, & Booster Station	2102351	\$ 1,600,000	ColBank	Pending Filing		ColBank	Yes	\$ 1,600,000	Londonderry	Yes	\$ 24.86	\$ 39,776	Project delay in permitting will require carry over into 2022
1 x revenue investments Normal Run Rate	Per Tariff		\$ 100,000	ColBank	Pending Filing		ColBank	Yes	\$ 100,000	Various	Yes	\$ 27.23	\$ 2,723	
Londonderry Mountain Homes Station Improvements	Station Expansion for and including Chemical Feed Facilities for re-chloramination.		\$ 275,000	ColBank	Pending Filing		ColBank	Yes	\$ 275,000	Londonderry	Yes	\$ 24.78	\$ 6,815	
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild		\$ 40,000	ColBank	Pending Filing		ColBank	Yes	\$ 40,000	Various	Yes	\$ 27.23	\$ 1,089	
Well Pump replacements	Well Pump replacements		\$ 40,000	ColBank	Pending Filing		ColBank	Yes	\$ 40,000	Various	Yes	\$ 27.23	\$ 1,089	
Chemical Feed pump replacements	Chemical Feed pump replacements		\$ 10,000	ColBank	Pending Filing		ColBank	Yes	\$ 10,000	Various	Yes	\$ 27.23	\$ 272	
Install/replace treatment systems in small CWS.	Install/replace treatment systems in small CWS.		\$ 25,000	ColBank	Pending Filing		ColBank	Yes	\$ 25,000	Various	Yes	\$ 27.23	\$ 681	
Miscellaneous Structural Improvements	Misc. Structural Improvements		\$ 20,000	ColBank	Pending Filing		ColBank	Yes	\$ 20,000	Various	Yes	\$ 27.23	\$ 545	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects		\$ 10,000	ColBank	Pending Filing		ColBank	Yes	\$ 10,000	Various	Yes	\$ 27.23	\$ 272	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		\$ 30,000	ColBank	Pending Filing		ColBank	Yes	\$ 30,000	Various	Yes	\$ 27.23	\$ 817	
Well Rehabilitation	Well Rehabilitation		\$ 60,000	ColBank	Pending Filing		ColBank	Yes	\$ 60,000	Various	Yes	\$ 27.23	\$ 1,634	
New Services (5)	Single Family, Owner Build, New Homes		\$ 25,000	ColBank	Pending Filing		ColBank	Yes	\$ 25,000	Various	Yes	\$ 27.23	\$ 681	
Renewed Services (20)	Replacement of failed services (focus on Locke Lake System).		\$ 110,000	ColBank	Pending Filing		ColBank	Yes	\$ 110,000	Pelham	Yes	\$ 24.86	\$ 2,735	
Hydrants (5)	Replacement of non-functional hydrants.		\$ 30,000	ColBank	Pending Filing		ColBank	Yes	\$ 30,000	Pelham	Yes	\$ 24.86	\$ 746	
Gates (6)	Replacement of Failed Gate Valves.		\$ 32,000	ColBank	Pending Filing		ColBank	Yes	\$ 32,000	Pelham	Yes	\$ 24.86	\$ 796	
Radios (300)	New Customers (220) and replaced failed radios (80) for meter reading.		\$ 31,500	ColBank	Pending Filing		ColBank	Yes	\$ 31,500	Various	Yes	\$ 27.23	\$ 858	
New meters for new customers (220). Replacement of failed meters (80).	New meters for new customers (220) and replacement meters (80).		\$ 30,000	ColBank	Pending Filing		ColBank	Yes	\$ 30,000	Various	Yes	\$ 27.23	\$ 817	
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter.		\$ 40,000	ColBank	Pending Filing		ColBank	Yes	\$ 40,000	Various	Yes	\$ 27.23	\$ 1,089	
2022 Radios (1000)	Year 2 of 7 year replacement of all PEU radios (all initial radios installed in 2007).		\$ 130,000	ColBank	Pending Filing		ColBank	Yes	\$ 130,000	Various	Yes	\$ 27.23	\$ 3,540	
Pennichuck East Utilities Projected 2020 Total Capital Expenditure Budget -			\$ 3,178,500	Projected annual property tax expenses for QCPAC eligible projects -										\$ 80,397
Pennichuck East Utilities Projected 2020 QCPAC Eligible Capital Investment -			\$ 3,178,500	Funded with CoBank Loans <sup>2</sup> -										\$ 3,178,500

1. Tax rate is the sum of the local community rate plus the Statewide Utility tax rate of \$6.00/\$1000  
2. The 2022 PEU Capital Expenditures Budget presented were approved by the Board in January 2021.  
3. Projected CoBank Loan Terms are 25 Years at 5.0%  
4. The Wellisley, Radcliffe and Vassar Drive water main replacements will be completed over 2 years with water main replacement occurring in 2022 and final payment in 2023.

resulting in P&I of \$ 225,522

Project Name/Description	Project Description	Work Order #	2022 Approved Budgeted Amount, Revised to reflect 2020 QCPAC activity	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Source of Funding	Eligible for 2022 QCPAC Surcharge	Eligible for 2022 QCPAC Surcharge	Community	Taxable	Tax Rate (%)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since Petition Filing
Pelham Main Replacement	Monticello & Lane Area Phase 2		\$ 700,000	ColBank	Pending Filing		ColBank	Yes	\$ 700,000	Pelham	Yes	\$ 24.86	\$ 17,402	
Wellslay Drive water main replacement	Replace 1760 LF of 2 inch PE with 1760 LF of C900 PVC (paving).		\$ 70,000	ColBank	Pending Filing		01 DGBR	Yes	\$ 70,000	Pelham	Yes	\$ 24.86	\$ 1,740	
Radclyffe Drive water main replacement	Replace 720 LF of 1.5 inch PE with 720 LF of C900 PVC (paving).		\$ 50,000	ColBank	Pending Filing		ColBank	Yes	\$ 50,000	Pelham	Yes	\$ 24.86	\$ 1,243	
Vassar Drive water main replacement	Replace 1740 LF of 2 inch PE with 1740 LF of C900 PVC (paving).		\$ 70,000	ColBank	Pending Filing		ColBank	Yes	\$ 70,000	Pelham	Yes	\$ 24.86	\$ 1,740	
Atkinson Booster Station	Replace and Upgrade Station for AS treatment and Fire flow.		\$ 600,000	ColBank	Pending Filing		ColBank	Yes	\$ 600,000	Atkinson	Yes	\$ 22.84	\$ 13,704	
Locke Lake	Circle & Emmerson Replace 2100 feet of 2 inch PE.		\$ 250,000	ColBank	Pending Filing		ColBank	Yes	\$ 250,000	Barnstead	Yes	\$ 27.84	\$ 6,960	
1 x revenue investments Normal Run Rate	Per Tariff		\$ 100,000	ColBank	Pending Filing		ColBank	Yes	\$ 100,000	Various	Yes	\$ 27.23	\$ 2,723	
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild		\$ 40,000	ColBank	Pending Filing		ColBank	Yes	\$ 40,000	Various	Yes	\$ 27.23	\$ 1,089	
Well Pump replacements	Well Pump replacements		\$ 40,000	ColBank	Pending Filing		ColBank	Yes	\$ 40,000	Various	Yes	\$ 27.23	\$ 1,089	
Chemical Feed pump replacements	Chemical Feed pump replacements		\$ 10,000	ColBank	Pending Filing		ColBank	Yes	\$ 10,000	Various	Yes	\$ 27.23	\$ 272	
Install/replace treatment systems in small CWS.	Install/replace treatment systems in small CWS.		\$ 25,000	ColBank	Pending Filing		ColBank	Yes	\$ 25,000	Various	Yes	\$ 27.23	\$ 681	
Miscellaneous Structural Improvements	Miscellaneous Structural Improvements		\$ 20,000	ColBank	Pending Filing		ColBank	Yes	\$ 20,000	Various	Yes	\$ 27.23	\$ 545	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects		\$ 10,000	ColBank	Pending Filing		ColBank	Yes	\$ 10,000	Various	Yes	\$ 27.23	\$ 272	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		\$ 30,000	ColBank	Pending Filing		ColBank	Yes	\$ 30,000	Various	Yes	\$ 27.23	\$ 817	
Well Rehabilitation	Well Rehabilitation		\$ 60,000	ColBank	Pending Filing		ColBank	Yes	\$ 60,000	Various	Yes	\$ 27.23	\$ 1,634	
New Services (5)	Single Family, Owner Build, New Homes		\$ 25,000	ColBank	Pending Filing		ColBank	Yes	\$ 25,000	Various	Yes	\$ 27.23	\$ 681	
Renewed Services (20)	Replacement of failed services (focus on Locke Lake System).		\$ 110,000	ColBank	Pending Filing		ColBank	Yes	\$ 110,000	Various	Yes	\$ 27.23	\$ 2,995	
Hydrants (5)	Replacement of non-functional hydrants.		\$ 30,000	ColBank	Pending Filing		ColBank	Yes	\$ 30,000	Various	Yes	\$ 27.23	\$ 817	
Gates (8)	Replacement of Failed Gate Valves		\$ 32,000	ColBank	Pending Filing		ColBank	Yes	\$ 32,000	Various	Yes	\$ 27.23	\$ 871	
Radios (300)	New Customers (220) and replaced failed radios (80) for meter reading.		\$ 31,500	ColBank	Pending Filing		ColBank	Yes	\$ 31,500	Various	Yes	\$ 27.23	\$ 858	
New meters for new customers (220). Replacement of failed meters (80).	New meters for new customers (220)		\$ 30,000	ColBank	Pending Filing		ColBank	Yes	\$ 30,000	Various	Yes	\$ 27.23	\$ 817	
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter.		\$ 40,000	ColBank	Pending Filing		ColBank	Yes	\$ 40,000	Various	Yes	\$ 27.23	\$ 1,089	
2022 Radios (1000)	Year 3 of 7 year replacement of all PEU radios (all initial radios installed in 2007).		\$ 130,000	ColBank	Pending Filing		ColBank	Yes	\$ 130,000	Various	Yes	\$ 27.23	\$ 3,540	

Pennichuck East Utilities Projected 2020 Total Capital Expenditure Budget - \$ 2,503,500

Projected annual property tax expenses for QCPAC eligible projects \$ 63,578

Pennichuck East Utilities Projected 2020 QCPAC Eligible Capital Investment - \$ 2,503,500  
Funded with ColBank Loans<sup>2</sup> - \$ 2,503,500

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 2021.  
3. Projected ColBank Loan Terms are 25 Years at 5.0%.  
5. The Wellslay, Radcliffe and Vassar Drive water main replacements will be completed over 2 years with water main replacement occurring in 2022 and final placement in 2023.

resulting in P&I of \$ 177,629