Pennichuck East Utilities, Inc. DW 21-022 2021 QCPAC - Qualified Capital Project Adjustment Charge Responses to Staff Data Requests –Tech Session Set 2

Date Request Received: 12/29/21 Request No. Staff Tech 2-1 Date of Response: 12/29/21 Witness: Donald L. Ware

REQUEST:

Re: Attachment DOE DR 2-1, Exhibit DLW-1 (Updated 12/1/21), Page 1, Column B: Please update the 'Requested DW 20-156 Revenue Requirement' to reflect that which was proposed in the Settlement Agreement presented in DW 20-156. Specifically, the 'Debt Service Revenue Requirement (DSRR 1.0)' (Cell B17) should be updated from \$1,744,197 to \$1,739,398.

RESPONSE:

The Requested DW 20-156 Revenue Requirement has been updated to \$1,739,398 reflecting the settlement agreement amount for the Debt Service Revenue Requirement on the attached, revised Exhibit DLW-1 (Updated 12/29/2021).

Pennichuck East Utilities, Inc. DW 21-022

2021 QCPAC - Qualified Capital Project Adjustment Charge Responses to Staff Data Requests – Tech Session Set 2

Date Request Received: 12/29/21 Request No. Staff Tech 2-2 Date of Response: 12/29/21 Witness: Donald L. Ware

REQUEST:

Re: Company's Response to Energy 2-9 and Attachment DOE 2-1, Exhibit DLW-1 (**Updated 12/1/21**), **Cells I14, L14, and O14**: While the formulas contained in these cells eliminate the application of the MOEF on the current year's plant additions, it does not eliminate application of the MOEF on prior year's plant additions, as follows:

Cell I14: \$7,261,628 + \$109,255 + \$4,370 (A) + \$28,265 = \$7,403,518

Cell L14: \$7,261,628 + \$109,255 + \$4,370 (A) + \$28,265 + \$1,131 (B) + \$213 = \$7,404,862

Cell O14: \$7,261,628 + \$109,255 + **\$4,370 (A)** + \$28,265 + **\$1,131 (B)** + \$213 + **\$9 (C)** + \$58,855 = **\$7,463,726**

(A) \$109,255 x .04 = \$4,370 (B) \$28,265 x .04 = \$1,131 (C) \$213 x .04 = \$9

Please correct and/or explain.

RESPONSE:

Per the discussion during the December 29, 2021Tech Session, the Company and DOE staff agreed that the MOEF should not apply to the QCPAC operating expenses. The attached, revised Exhibit DLW-1 eliminates the application of the MOEF to the QCPAC operating expenses.

Pennichuck East Utilities, Inc. DW 21-022 **Computation of QCPAC Surcharge** 2/11/2021 Revised 6/2/2021 per Staff Tech Session DR1. 6/30/2021 Update, Revised 10/28/21 DOE DR1 9/30/2021 Update Updated for DOE DR2's 12/1/2021 12/29/2021 revised per Tech Session DR2

	Requested DW 20- 156 Revenue Requirements		Qualified Capital S	Projected QCPAC ourcharge for 2020 Capital Additions	Projected 2021 Qualified Capital Project pro formas		Surchar	ed QCPAC Pr rge for 2021 Additions	rojected 2022 Qualified Capital Project pro formas	Projected QCPA Surcharge for 202 Capital Addition	Additions pro		Surcha	ted QCPAC arge for 2023 al Additions
City Bond Fixed Revenue Requirement (CBFRR)	\$ 926,309		\$	926,309	\$ -		\$	926,309 \$	-	\$ 926,3	9 \$ -		\$	926,309
Material Operating Expense Revenue Requirement (MOERR)	\$ 6,982,335	(1)	\$ 109,255 (5)(11) \$	7,091,590	\$ 28,265	(5)	\$	7,119,855 \$	213 (5)(10)	\$ 7,120,0	58,855	(5)	\$	7,178,923
Operating Expense Contingency	1.04	(2)		1.04				1.04		1	04			1.04
Material Operating Expense Revenue Requirement (MOERR)	7,261,628			7,370,883				7,399,148		7,399,3	51			7,458,216
Non Material Operating Expense Revenue Requirement (NOERR)	\$ 7,163		\$	7,163			\$	7,163		\$ 7,1	53		\$	7,163
Amortization Expense (not subject to MOEF)	\$ 52,281		\$	52,281			\$	52,281		\$ 52,2	81		\$	52,281
Debt Service Revenue Requirement (DSRR 1.0)	\$ 1,739,398	(3)	\$ 270,766 (6)(7) \$	2,010,164	\$ 78,080		\$	2,088,244 \$	200,689	\$ 2,288,9	33 \$ 166,277		\$	2,455,210
Principal and Interest Coverage Requirement	1.10			1.10				1.10		1	10			1.10
Total Debt Service Revenue Requirement including the .01 DSRR	\$ 1,913,338		\$	2,211,181			\$	2,297,069		\$ 2,517,8	27		\$	2,700,731
Revenue Requirement exclusive of NCCRS	\$ 10,160,719		\$	10,567,817			\$	10,681,969		\$ 10,902,9	41		\$	11,144,700
Less Other Operating Revenues	\$ 30,188	(4)	\$	30,188			\$	30,188		\$ 30,1	38		\$	30,188
Revenues required from Customer Classes exclusive of NCCRS	\$ 10,130,531		\$	10,537,629			\$	10,651,781		\$ 10,872,7	53		\$	11,114,512
Revenues subject to QCPAC	\$ 10,130,531		\$	10,537,629			\$	10,651,781		\$ 10,872,7	53		\$	11,114,512
Projected QCPAC Increase ⁸				4.02%				1.13%		2.1	3%			2.39%
Cumulative QCPAC increase ⁹				4.02%				5.15%		7.3	3%			9.71%
Cumulative QCPAC monthly increase in average single family residential bill			\$	3.39			\$	4.34		\$ 6	18		\$	8.19
Average monthly single family residential bill with QCPAC			\$	87.70			\$	88.65		\$ 90	49		\$	92.50

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. The MOEF was not applied to the QCPAC operating expenses.

(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

(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 \$

(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.

70,000 to reflect reduction in purchased water costs associated with the completion of the Londonderry Storage Tank.

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	

year term loan with an actual total all in interest rate of

25

5.00%

that was not recovered in DW20-156.

Pennichuck East Utilities, Inc. DW 21-022 2020 used and useful QCP's 2/11/2021, Revised 10/28/21 for DOE DR1 9/30/2021 Update Updated for DOE DR2's 12/1/2021

								Eligible for 2021		Estimated Project	Estimated Project	Estimated Projec	r				2021 QCPAC	
			Board Approved 2020 Capex Budget	Financing Docket	NHPUC Order No.	Date of NHPUC Order	Source of Funding	QCPAC Surcharge	Eligible for 2021 QCPAC Surcharge	Cost as of 6/30/2020	Cost as of 9/30/2020	Cost as of 11/30/2020	Final Project cost as of 12/31/2020	Community	Taxable	Tax Rate (1)	Eligible Property Tax Expense	y Explanation for Change/Addition/Deletion since Petition Filing
Project Name/Description	Project Description	Work Order #					0	Surcharge	QCFAC Surcharge	6/30/2020	3/30/2020	11/30/2020	as of 12/31/2020				-	
evated Storage Tank in Londonderry2	Construct 1.25 MG Elevated Storage Tank.	1818349, 1901641, 2000372	\$ 1,545,000	DW21-102	26,507	8/6/2021	CoBank	No	ş -	ş -	\$ -	s -	ş -	Londonderry	Yes	\$ 24.78		Project deferred to 2021 due to permitting.
iddleton Station Re-build	Re-build Sunrise Estates CWS Station. Existing Station is over 40 years old.	n/a	\$-	DW21-102	26,507	8/6/2021	CoBank	No	ş -	\$ 340,000	\$-	5 -	ş -	MIddleton	Yes	\$ 33.55	ş -	Project deferred to 2021 due to the need to install additional treatment due to lower Arsenic standard.
irstrip alternative arsenic treatment	Raw Water Pipeline from Air Strip well to Peacham Road WTP.	1901642, 2000371	\$ 540,000	DW18-132	26,189	11/16/2018	SRF	Yes	\$ 540,000	\$ 633,000	\$ 600,000	\$ 633,000	\$ 618,531	Barnstead	Yes	\$ 27.84	\$ 17,220	Based on final low bid and actual construction. Different soil conditions encountered than bid estimate during construction
eorgtown 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	11/18/2018	SRF	Yes	\$ 10,000	\$ 10,000	ş -			Barnstead	Yes	\$ 27.84	\$ 26,900	Recovery of these 2019 used and useful Capex was sought in DW20-019 filing. While the projects are completed the Compa
adford 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	11/20/2018	SRF	Yes	\$ 10,000	\$ 10,000	ş -	\$ 1,056,000	\$ 966,252	Barnstead	Yes	\$ 27.84	ş -	will not be closing on the loan supporting these capital improvements until June 2021 so it is seeking the P&I associated with projects in 2021 QCPAC as opposed to the 2020 QCPAC.
Barnstead Road - Eliminate deadend piping	Add 680 LF of 4 inch C-900 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	11/22/2018	SRF	Yes	\$ 239,000	\$ 265,620	\$ 255,000	\$ 255,000	\$ 244,214	Barnstead	Yes	\$ 27.84	\$ 6,799	Based on final low bid and actual construction.
Imont Drive water main replacement	Replace 500 LF of 4 inch schedule 40 PVC with 6 inch C900 PVC.	2000366	\$ 5,000	DW18-132	26,189	11/24/2018	SRF	Yes	\$ 5,000	\$ 5,000	ş -	ş -	ş -	Barnstead	Yes	\$ 27.84	ş -	Deferred
oute 28 Replacement	Replace 720 LF of 2" PE with 720 LF of 4" C-900 PVC.	2000370	\$ 80,000	DW18-132	26,189	11/26/2018	SRF	Yes	\$ 80,000	\$ 59,500	\$ 59,500	\$ 56,500	\$ 69,061	Barnstead	Yes	\$ 27.84	\$ 1,923	Based on final low bid and actual construction.
ocke Lake Surface Water Treatment ⁴	Intake & Treatment Facility Construction	1813409, 1900433, 2000369	\$ 835,000	DW18-132	26,189	11/26/2018	SRF	Yes	s -	\$ 1,490,000	\$ 1,700,000	\$ 2,050,000	\$ 2,109,088	Barnstead	Yes	\$ 27.84	\$ 58.717	Existing Arsenic filters failed in Sept 2020. Increase in price reflects replacement of those filters. More work was completed i 2020 than anticipated, therefore there will be less cost in 2021
ocke Lake Surface Water Treatment ⁴	Intake & Treatment Facility Construction	1813409, 1900433, 2000369	s -	DW21-102	26,507	8/6/2021	CoBank	Var					\$ 175,334	Barnstead	Yes	\$ 27.84		Locke Lake project investement that exceeds the available loan amount of \$4,240,000. The \$240,000 of remaining funds avail via SRF will be drawn down in 2021.
olling Hills Water Main Replacement - Site Restoration from 2019 Project	Replace substandard 2 inch diameter pipe with 4 inch C900 PVC.	2000392	\$ 32,000	DW21-102	26.507	8/6/2021	CoBank	Yes	\$ 32,000	\$ 32.000	\$ 32,000	\$ 32,000	\$ 27,400	Plaistow	Yes	\$ 26.20	• 1,001	
· · · · · · · · · · · · · · · · · · ·	Replace 1600 LF of 3 inch PE with 12 in C-900 and add 775 LF of 12 in C-900	_													103	y 20.20	- /1c	
Iham Main Replacement/Addition	Monticello & Lane.	2001241	\$ 285,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 285,000	\$ 590,550	\$ 658,600	\$ 658,600	\$ 332,855	Pelham	Yes	\$ 24.80	\$ 8,275	Project scope expanded for streets listed below over original budget.
elham Main Replacement/Addition	Replace Lane Road.	2003563	\$-	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	ş -	ş -	ş -	\$ 182,102	Pelham	Yes	\$ 24.80	\$ 4,527	Work on this street is in project total for Monticello & Lane Project above.
Iham Main Replacement/Addition	Replace Simpson Road.	2003564	s -	DW21-102	26,507	8/6/2021	CoBank	Yes	s -	ş -	s -	s -	\$ 19,527	Pelham	Yes	\$ 24.80	\$ 485	Work on this street is in project total for Monticello & Lane Project above.
ham Main Replacement/Addition	Replace Andrea Lane.	2003565	s -	DW21-102	26,507	8/6/2021	CoBank	Yes	s -	ş -	s -	\$-	ş -	Pelham	Yes	\$ 24.80	ş -	Work on this street is in project total for Monticello & Lane Project above.
Iham Main Replacement/Addition	Replace Mount Vernon Drive.	2004325	s -	DW21-102	26,507	8/6/2021	CoBank	Yes	s -	ş -	s -	\$-	\$ 60,561	Pelham	Yes	\$ 24.80	\$ 1,506	Work on this street is in project total for Monticello & Lane Project above.
revenue investments Normal Run Rate	Per Tariff	n/a	\$ 100,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 100,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 62,949	Various	Yes	\$ 27.23	\$ 1,714	103 Developer Installed Services Installed thru 12/31/2020.
nrise Estates	Station Replacement (design)	2003613	\$ 40,000		0.1 DSRR		0.1 DSRR	No	ş -	ş -	\$ 30,000	\$ 30,000	\$ 7,805	Middleton	No	\$ 33.55	ş -	
ndonderry Core Re-Chloramination	Re-chloramination Evalution and Preliminary Design	2003760	\$ 35,000		0.1 DSRR		0.1 DSRR	No	ş -	\$ 35,000	\$ 35,000	\$ 35,000	\$ 11,820	Londonderry	No	\$ 24.78	ş -	Design costs incorporated into Station rebuild above.
kinson Booster pump station design	Atkinson Booster pump station design	2000717	\$ 30,000		0.1 DSRR		0.1 DSRR	No	ş -	ş -	ş -	\$ 3,000	ş -	Atkinson	Yes	\$ 22.84	ş -	Costs incorporated in Atkinson Station rebuild below.
ooster Pump replacement/rebuild	Booster Pump replacement/rebuild	760 - 763 workorders	\$ 40,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 40,000	\$ 35,000	\$ 25,000	\$ 18,000	\$ 15,241	Various	Yes	\$ 27.23	\$ 415	5 Booster Pump Replace/Rebuilds through 12/31/2020.
/ell Pump replacements	Well Pump replacements	760 - 763 workorders	\$ 40,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 40,000		\$ 15,000	\$ 15,000	· · · · ·		Yes	\$ 27.23		4 Well Pumps Repaired/Replaced through 12/31/2020.
hemical Feed pump replacements	Chemical Feed pump replacements	760 - 763 workorders	\$ 10,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 10,000		\$ 2,000	\$ 2,000	\$ 1,695	Various	Yes	\$ 27.23		1 Chemical Feed Pump Repaired/Replaced through 12/31/2020.
stall/replace treatment systems in small CWS	Install/replace treatment systems in small CWS.	n/a	\$ 25,000	DW21-102 DW21-102	26,507	8/6/2021 8/6/2021	CoBank	Yes	\$ 25,000		ş -	ş -	ş -	Various	Yes	\$ 27.23		None completed during 2020.
lisc. Structural Improvements liscellaneous Fencing and Security projects	Misc. Structural Improvements Miscellaneous Fencing and Security projects	n/a n/a	\$ 20,000 \$ 10.000	DW21-102 DW21-102	26,507	8/6/2021 8/6/2021	CoBank	Yes	\$ 20,000 \$ 10,000		\$ 5,000 \$	s -	3 - C	Various Various	Yes	\$ 27.23 \$ 27.23		None completed during 2020. None completed during 2020.
liscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	n/a	\$ 30,000	DW21-102 DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 10,000		ş -	s - 5.000	ş -	Various	Yes	\$ 27.23		See projects below.
liscellaneous SCADA/Electrical	Replace Well #1 VFD, Lamplighter Village	2001215	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	s -	\$ 2,398	\$ 2,398	\$ 2,398			Yes	\$ 23.89		cone projesto stato or
iscellaneous SCADA/Electrical	Replace Pump #4 VFD, Liberty Tree	2005248	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	ş -	ş -	\$ 1,735	\$ 1,735	\$ 1,735	Raymond	Yes	\$ 30.53	\$ 53	
liscellaneous SCADA/Electrical	Replace Pump #1 VFD, Liberty Tree	2006387	\$-	DW21-102	26,507	8/6/2021	CoBank	Yes	ş -	ş -	\$ 1,735	\$ 1,735	\$ 1,735	Raymond	Yes	\$ 30.53	\$ 53	
Vell Rehabilitation	Well Rehabilitation	n/a	\$ 60,000	DW21-102	26,507	8/6/2021	CoBank	No	\$ -	\$ 15,000	\$ 15,000	ş -	ş -	Various	Yes	\$ 27.23	s -	None completed during 2020.
kinson Station Rebuild	Station cannot provide requirede fire flow. Hydropneumatic tank is in need of	n/a	\$ 500,000	DW21-102	26,507	8/6/2021	CoBank	No	ş -	ş -	ş -	ş -	\$ -	Atkinson	Yes	\$ 22.84		Project deferred into 2021 subject to evaluation of financial analysis of rebuilding the station vs. interconnectoin with HAWO
stall web based communication equipment, 4 locations.	Install web based communication equipment, 4 locations.	n/a	\$ 20,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 20,000		\$ 17,901			Various	Yes	\$ 27.23		
stall web based communication equipment, 4 locations. erconnect the W&E CWS to the Town of Salem Water System.	Fletcher's Corner, Install Cellular Based Communication Interconnect the W&E CWS to the Town of Salem Water System.	2002270 2004243	s - s -	DW21-102 DW21-102	26,507 26,507	8/6/2021 8/6/2021	CoBank DWGTF/CoBank	Yes	ş - s -	\$ 2,099 \$ 125,000	\$ 2,099 \$ 125,000	\$ 2,099 \$ -	\$ 2,099 \$ -	Various Windham	Yes	\$ 27.23		Added as part of PEU-Salem Windham Franchise exchange. MSDC charge paid for by PEU. Work will not be Used and U
ew Services (5)	Single Family, Owner Build, New Homes	720 workorders	\$ 25,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 25,000		\$ 7.950	\$ 10,586	\$ 10,586		Yes	\$ 23.89 \$ 27.23		in 2020. 2 new services installed through 12/31/2020.
enewed Services (10)	Replacement of failed services.	721 & 722 workorders	\$ 25,000	DW21-102 DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 25,000 \$ 55,000		\$ 7,930 \$ 7.014	\$ 10,580 \$ 7.014		Various	Yes	\$ 27.23 \$ 27.23		5 Renewed Service installed through 12/31/2020.
/drants (5)	Replacement of non-functional hydrants.	730 & 731 workorders	\$ 30,000	DW21-102 DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 30,000	• • • • • •	ę	\$ 6,000	• • • • • • •	Various	Yes	\$ 27.23		None completed during 2020.
eters 5/8"-6" Lead Meter Exchange - PEU (600)	Replace High lead brass meter with new no lead brass meter.	750 workorders	\$ 22,000	DW21-102 DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 22,000		\$ 26,000	\$ 26,000			Yes	\$ 27.23		235 Meters installed/replaced through 12/31/2020 - This is new and replacements together.
ates (8)	Replacement of Failed Gate Valves	712 workorders	\$ 32,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 32,000	\$ 6,109	\$ 18,000	\$ 17,954	\$ 17,872	Various	Yes	\$ 27.23		5 Gates Installed/Repaired through 12/31/2020.
adios (300)	New Customers (220) and replaced failed radios (80) for meter reading.	754 workorders	\$ 32,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 32,000	\$ 18,500	\$ 15,023	\$ 21,000	\$ 24,231	Various	Yes	\$ 27.23	\$ 660	236 Radios installed/replaced through 12/31/2020.
leters (Growth) 5/8"-2" - PEU (220)	New meters for new customers (220).	750 workorders	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	ş -	\$ -	ş -		\$ -	Various	Yes	\$ 27.23	ş -	Incorporated in Row 48 above.
PEU-PWW Interconnection	PEU-PWW Interconnection	2007474	s -	DW21-102	26,507	8/6/2021	CoBank	Yes	s -	s -	s -		\$ 3,449	Merrimack	Yes	\$ 28.84		
MSDC Payment to Manchester Water Works	MSDC Payment to Manchester Water Works	2009024	s -	DW21-102	26,507	8/6/2021	CoBank	Ves	s	s	s		\$ 127,007	Various	No	\$ 27.23		
Interest on CoBank FaLOC	Short term interest from 11/23/2020 - 7/31/2021	2002021	s -	DW21-102	26,507	8/6/2021	CoBank	Yes	s -	s -		s 16.000		Tanous	No	\$ 27.23	s -	Anticipates closing on CoBank long term loan to pay off CoBank FALOC on 8/1/2021.
	Pennichuck East Utilities Projected 2020 Tota		\$ 4,737,000	104121-102	20,007	0/0/2021	CODAIN	160					- 10,100	1 1110 110	- 10	expenses for QCPA		Final and the second state of the second state

			Pennichuck East Utilities Projected 2020 QCPA	C Eligible Capital Investment less 0.1 DSRR funded projects - \$	1,692,000 \$	3,861,191 \$	3,714,955 \$	4,951,522 \$	5,142,555
				Funded with CoBank Loan ³ - \$	1,692,000 \$	2,371,191 \$	2,014,955 \$	979,022 \$	1,135,409
1. Tax rate is the sum of the local community rate plus the Statewide Utility tax r	ate of \$6.60/\$1000.			Funded with SRF ⁴ - \$	- \$	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 Janaury 2020.								
3. 9/29/2021 CoBank Loan Terms are	25 Years at	4.18%	resulting in P&I of		\$	154,686 \$	131,447 \$	63,867 \$	74,069
4. Remainder of Locke Lake Surface Water Treatment project to completed in ea	rly 2021 at								
a total projected cost of		\$	232,853						
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 us	seful QCP's \$	227,825 \$	214,894 \$	258,864 \$	270,766

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244 2020 QCPAC Additions

Pennichuck East Utilities, Inc. DW 21-022 Projected 2021 QCPAC Capital Expenditures 2/11/2021 6/30/2021 Update, Revised 10/28/21 DOE DR1 9/30/2021 Update

9/30/2021 Update															
Project Name/Description	Project Description	Work Order #		ard Approved udgeted	Financing Docket No	Date of NHPUC	Source of Funding	Eligible for 2021 QCPAC Surcharge	Eligible for 2021 Cost as o QCPAC Surcharge 6/30/202	of Cost as of	ct Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since Petition Filing
Locke Lake Surface Water Treatment ⁴	Intake & Treatment Facility Construction	2101752	s	200,000	DW18-132	26,189 11/26/2018	SRF	Yes		0,000 \$ 200,00	-	Yes	\$ 27.84		Total project cost incurred between 2019 through 2021 when project became Used and Useful.
	Replace 1600 LF of 3 inch PE with 12 in C-900 and add 775 LF of 12 in C-900 on		-				514	105	200,000 2 24	200,00	o Damstead	105	÷ 27.04	<i>a</i> 5,500	Total project cost meaned between 2017 through 2021 when project became osed and oserdi.
Pelham Main Replacement/Addition	Monticello, Mt. Vernon and Lane Road - Finish Paving	2105634	\$	40,000	CoBank	Pending Filing	CoBank	Yes	\$ 40,000 \$ 4	0,000 \$ 40,00	0 Pelham	Yes	\$ 24.86	\$ 994	
Pelham Main Replacement/Addition	Finish Paving	2105635			CoBank	Pending Filing	CoBank	Yes	S - S	- \$ -	Pelham	Yes	\$ 24.86	ş -	included in WO 2105634 final paving
Pelham Main Replacement/Addition	Finish Paving	2105636			CoBank	Pending Filing	CoBank	Yes	S - S	- \$ -	Pelham	Yes	\$ 24.86	ş -	included in WO 2105634 final paving
Londonderry System Improvements	Tank, Transmission Main, & Booster Station	2102351	\$	1,600,000		0.1 DSRR		No	\$ 1,600,000 \$ 10	0,000 \$ 100,00	0 Londonderry	No	\$ 24.78	ş -	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 DSRR		No	\$ 30,000 \$ 3	0,000 \$ 30,00	0 Atkinson	No	\$ 22.84	ş -	
Locke Lake Filter Replacement	Replace two failed (structural-collapse of screen supports) iron, manganese, & arsenic filters.	n/a	\$	30,000	CoBank	Pending Filing	CoBank	Yes	\$ 30,000 \$	- \$ 10,00	0 Barnstead	Yes	\$ 27.84	\$ 278	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 \$ 7	8,000 \$ 78,00	0 Barnstead	No	\$ 27.84	ş -	
1 x revenue investments Normal Run Rate	Per Tariff	Routine	\$	100,000	CoBank	Pending Filing	CoBank	Yes	\$ 100,000 \$ 17	0,000 \$ 155,00	0 Various	Yes	\$ 27.23	\$ 4,220	91 New Developer Installed thru 09/30/21 projecting 20 more
Sunrise Estates	Station Replacement (design)	2102007	\$	-		0.1 DSRR	0.1 DSRR	No	ş - ş	8,000 \$ 8,00	0 Middleton	No	\$ 33.55	ş -	Deferred - monies shown for engineering design
Londonderry Core Re-Chloramination	Re-chloramination Evalution and Preliminary Design	2102008	\$	-		0.1 DSRR	0.1 DSRR	No	ş - ş	700 \$ 70	0 Londonderry	No	\$ 24.78		Deferred - monies shown for engineering design
Nesenkeag Well Decomission	Nesenkeag Well Decomission	2104691	\$	-		0.1 DSRR	0.1 DSRR	No	S - S 1	9,600 \$ 20,00	0 Londonderry	No	\$ 24.78	ş -	
Londonderry RRA and ERP	Londonderry RRA and ERP	2105486	\$	-		0.1 DSRR	0.1 DSRR	No	S - S	- \$ 26,15	0 Londonderry	No	\$ 24.78	ş -	Missed in original budget. Required by NHDES under American Water Infrastructure Act
Litchfield RRA and ERP	Litchfield RRA and ERP	2105487	\$	-		0.1 DSRR	0.1 DSRR	No	S - S	- \$ 26,15	0 Litchfield	No	\$ 28.12	ş -	Missed in original budget. Required by NHDES under American Water Infrastructure Act
Litchfield- Londonderry Evaluation	Litchfield- Londonderry Evaluation	2105687	\$	-		0.1 DSRR	0.1 DSRR	No	S - S	- \$ 10,00	0 Lond/Litchfield	No	\$ 26.45	ş -	Requested evalution by NHDES - Internal Engineering Staff. Ability to serve water from Nashua
Castle Reach, Replace VFD, Pump #2	Castle Reach, Replace VFD, Pump #2	2107680	\$	-	CoBank	Pending Filing	CoBank	Yes	S - S	- \$ 1,30	0 Windham	Yes	\$ 23.89	\$ 31	
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	Routine	\$	40,000	CoBank	Pending Filing	CoBank	Yes	\$ 40,000 \$ 3	0,000 \$ 25,00	0 Various	Yes	\$ 27.23	\$ 681	Installed/Repaired 5 pumps through 09/30/21, project 2 more
Well Pump replacements	Well Pump replacements	Routine	\$	40,000	CoBank	Pending Filing	CoBank	Yes		0,000 \$ 30,00		Yes	\$ 27.23		Installed/Repaired 5 pumps through 09/30/21, project 2 more
Chemical Feed pump replacements	Chemical Feed pump replacements	Routine	\$	10,000	CoBank	Pending Filing	CoBank	Yes		8,000 \$ 6,00		Yes	\$ 27.23		Installed/Repaired 2 pumps through 09/30/21, project 1 more
	ment Install/replace treatment systems in small CWS (supplemental Arsenic treatment systems).	n/a	\$	50,000	CoBank	Pending Filing	CoBank	Yes		7,000 \$ 27,00		Yes	\$ 27.23		
Install Poly Phosphate Sequestration System, Skyview Estates, Pelham	Install Poly Phosphate Sequestration System, Skyview Estates, Pelham	2104065	_			place Treatment - See above		Yes		3,000 \$ 3,00		Yes	\$ 24.86		
Install/replace treatment systems in small CWS (supplemental Arsenic treatment	ment Install PFAs Removal Treatment System, Harvest Village, Londonderry	2104692			Install/Re	place Treatment - See above	1	Yes	\$ - \$ 2	0,000 \$ 20,00	0 Londonderry	Yes	\$ 24.78	\$ 496	
Misc. Structural Improvements	Misc. Structural Improvements	n/a	\$	20,000	CoBank	Pending Filing	CoBank	Yes		5,750 \$ 5,75		Yes	\$ 27.23	\$ 157	
Misc. Structural Improvements	Pave Access Road to Stone Sled Station	2103983				itural Improvements - See above		Yes		4,250 \$ 14,25		Yes	\$ 27.23		
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	\$	10,000	CoBank	Pending Filing	CoBank	Yes	.,	0,000 \$ 5,00		Yes	\$ 27.23		
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	n/a	\$	30,000	CoBank	Pending Filing	CoBank	Yes	1 1 1	0,000 \$ 20,00			\$ 27.23		
Well Rehabilitation	Well Rehabilitation	n/a	\$	60,000	CoBank	Pending Filing	CoBank	Yes	+ 003000 ÷ 0	0,000 \$ 51,61		Yes	\$ 27.23	÷ .,	
Well Rehabilitation	Rehabilitate Well #9, Locke Lake, Barnstead	2102279	\$	- 20,000	CoBank	Pending Filing	CoBank	Yes	÷ ;	- \$ 8,39		Yes	\$ 27.84		
Install web based communication equipment, 4 locations Interconnect the W&E CWS to the Town of Salem Water System.	Install web based communication equipment, 4 locations	n/a 2004243 & 2101750	\$	-	CoBank CoBank/Grant	Pending Filing Pending Filing	CoBank DWGTF/CoBank	Ycs Ycs		0,000 \$ 20,00 5,000 \$ 175,00		Yes	\$ 27.23 \$ 23.89		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 dechloamination. \$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	CoBank	Pending Filing	CoBank	Yes	\$ 25,000 \$ 1	5,000 \$ 20,00	0 Various	Yes	\$ 27.23	\$ 545	Installed 3 new service through 09/30/21, projecting 1 more
Renewed Services (20)	Replacement of failed services (focus on Locke Lake Services).	Routine	\$	110,000	CoBank	Pending Filing	CoBank	Yes	\$ 110,000 \$ 5	0,000 \$ 40,00	0 Various	Yes	\$ 27.23	\$ 1,089	Renewed 5 services through 09/30/21, projecting 5 more
Hydrants (5)	Replacement of non-functional hydrants	Routine	\$	30,000	CoBank	Pending Filing	CoBank	Yes	\$ 30,000 \$ 3	0,000 \$ 12,00	0 Various	Yes	\$ 27.23	\$ 327	None replaced to date. Projecting 2 more
Gates (8)	Replacement of Failed Gate Valves	Routine	\$	32,000	CoBank	Pending Filing	CoBank	Yes	\$ 32,000 \$ 4	0,000 \$ 35,00	0 Various	Yes	\$ 27.23	\$ 953	Installed/Repaired 4 gates through 09/30/21, Projecting 1 more
Radios (300)	New Customers (220) and replaced failed radios (80) for meter reading.	Routine	\$	31,500	CoBank	Pending Filing	CoBank	Yes	\$ 31,500 \$ 2	7,000 \$ 20,00	0 Various	Yes	\$ 27.23		Installed/Repaired 99 radios through 09/30/21, projecting 100 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	CoBank	Pending Filing	CoBank	Yes	\$ 30,000 \$ 5	0,000 \$ 38,00	0 Various	Yes	\$ 27.23	\$ 1,035	Installed/Repaired 172 meters through 09/30/21, projecting 100 more
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	ş -	Various	Yes	\$ 27.23	ş -	Included in line above
2021 Radios (1000)	Year 1 of 7 year replacement of all PEU radios (all initial radios installed in 2007).	2101627	\$	130,000	CoBank	Pending Filing	CoBank	Yes	\$ 130,000 \$ 10	6,000 \$ 98,00	0 Various	Yes	\$ 27.23	\$ 2,668	Replaced 924 Radios through 09/30/21, projecting 80 more
Interest on CoBank FaLOC	Short term interest from 9/29/2021 - 7/31/2022		\$	-	CoBank	Pending Filing	CoBank	Yes	\$ - \$	- \$ 13,65	0 Various	No	\$ 26.45	ş -	Anticipates closing on CoBank long term loan to pay off CoBank FALOC on 8/1/2022.

Pennichuck East Utilities Projected 2020 Total Capital Expenditure Budget - \$ 2,748,500

Pennichuck East Utilities Projected 2020 QCPAC Eligible Capital Investment - \$ 2,718,500 \$ Funded with CoBank Loan³ - \$ 2,485,647 \$ Funded with SRF Loan⁴ - \$ 232,853 \$ Funded with 0.1 DSRR - \$ 30,000 \$ 1,669,000 \$ 1,436,147 \$ 232,853 \$ 158,300 \$ 1,171,950 939,950 232,000 221,000

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 Jana	aury 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%

			6/30	/2021 Update	9/:	30/2021 Update
resulting in P&I of	ş	176,363	ş	101,898	Ş	66,692
resulting in P&I of	\$	11,430	s	11,430	\$	11,388
	S	187,793	8	113.328	S	78.080

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Projected annual property tax expenses for QCPAC cligible projects - 28,265

Pennichuck East Utilities, Inc. DW 21-022 Projected 2022 QCPAC Capital Expenditures 2/11/2021

6/30/2021 Update - Defer Atkinson Station upgrade. Add in Londonderry System Improvements Revised 10/28/21 for DOE DR1 9/30/2021 Update

Project Name/Description	Project Description	Work Order #	2022 Approved Budgeted Amount, Revised to reflect 2020 QCPAC activity		NHPUC Order Date of NHPUC No. Order	Source of Funding	Eligible for 2022 QCPAC Surcharge	Eligible for 2022 QCPAC Surcharge	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since Petition Filing
ellesley Drive water main replacement4	Replace 1760 LF of 2 inch PE with 1760 LF of C900 PVC.		\$-	CoBank	Pending Filing	CoBank	Yes	ş -	Pelham	Yes	\$ 24.86	ş -	Project deferred due to available funds being used for Lononderry Tank and W&E
dcliffe Drive water main replacement4	Replace 720 LF of 1.5 inch PE with 720 LF of C900 PVC.		\$-	CoBank	Pending Filing	CoBank	Yes	s -	Pelham	Yes	\$ 24.86	ş -	Project deferred due to available funds being used for Lononderry Tank and W&E
assar Drive water main replacement4	Replace 1740 LF of 2 inch PE with 1740 LF of C900 PVC.		\$-	CoBank	Pending Filing	CoBank	Yes	s -	Pelham	Yes	\$ 24.86	ş -	Project deferred due to available funds being used for Lononderry Tank and W&E
ndonderry System Improvements	Tank, Transmission Main, & Booster Station	2102351	\$ 1,500,000	CoBank	Pending Filing	CoBank	Yes	\$ 1,500,000	Londonderry	Yes	\$ 24.78	\$ 37,170	Project delay in permitting will require carry over into 2022
erconnect the W&E CWS to the Town of Salem Water System.	Interconnect the W&E CWS to the Town of Salem Water System.		\$ 530,000	CoBank	Pending Filing	CoBank	Yes	\$ 530,000	Windham	Yes	\$ 23.89	\$ 12,662	Project bid in fall of 2021, material not available until spring 2022.
revenue investments Normal Run Rate	Per Tariff		\$ 100,000	CoBank	Pending Filing	CoBank	Yes	\$ 100,000	Various	Yes	\$ 27.23	\$ 2,723	
ondonderry Mountain Homes Station Improvements	Station Expansion for and including Chemical Feed Facilities for re-chloramination.		\$-	CoBank	Pending Filing	CoBank	Yes	ş -	Londonderry	Yes	\$ 24.78	ş -	Project deferred pending additional study and Potential PFOA expansion in Lononderry
poster Pump replacement/rebuild	Booster Pump replacement/rebuild		\$ 40,000	CoBank	Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 27.23	\$ 1,089	
ell Pump replacements	Well Pump replacements		\$ 40,000	CoBank	Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 27.23	\$ 1,089	
emical Feed pump replacements	Chemical Feed pump replacements		\$ 10,000	CoBank	Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 27.23	\$ 272	
tall/replace treatment systems in small CWS.	Install/replace treatment systems in small CWS.		\$ 25,000	CoBank	Pending Filing	CoBank	Yes	\$ 25,000	Various	Yes	\$ 27.23	\$ 681	
scellaneous Structural Improvements	Misc. Structural Improvements		\$ 20,000	CoBank	Pending Filing	CoBank	Yes	\$ 20,000	Various	Yes	\$ 27.23	\$ 545	
scellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects		\$ 10,000	CoBank	Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 27.23	\$ 272	
scellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		\$ 30,000	CoBank	Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 27.23	\$ 817	
ell Rehabilitation	Well Rehabilitation		\$ 60,000	CoBank	Pending Filing	CoBank	Yes	\$ 60,000	Various	Yes	\$ 27.23	\$ 1,634	
ew Services (5)	Single Family, Owner Build, New Homes		\$ 25,000	CoBank	Pending Filing	CoBank	Yes	\$ 25,000	Various	Yes	\$ 27.23	\$ 681	
enewed Services (20)	Replacement of failed services (focus on Locke Lake System).		\$ 110,000	CoBank	Pending Filing	CoBank	Yes	\$ 110,000	Pelham	Yes	\$ 24.86	\$ 2,735	
drants (5)	Replacement of non-functional hydrants.		\$ 30,000	CoBank	Pending Filing	CoBank	Yes	\$ 30,000	Pelham	Yes	\$ 24.86	\$ 746	
ates (8)	Replacement of Failed Gate Valves.		\$ 32,000	CoBank	Pending Filing	CoBank	Yes	\$ 32,000	Pelham	Yes	\$ 24.86	\$ 796	
dios (300)	New Customers (220) and replaced failed radios (80) for meter reading.		\$ 31,500		Pending Filing	CoBank	Yes	\$ 31,500	Various	Yes	\$ 27.23	\$ 858	
w meters for new customers (220). Replacement of failed meters (80)	New meters for new customers (220) and replacement meters (80).		\$ 30,000	CoBank	Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 27.23	\$ 817	
ters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter.		\$ 40,000		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 27.23	\$ 1,089	
22 Radios (1000)	Year 2 of 7 year replacement of all PEU radios (all initial radios installed in 2007).		\$ 130,000		Pending Filing	CoBank	Yes	\$ 130,000	Various	Yes	\$ 27.23	\$ 3,540	
terest on CoBank FALOC	Short term interest from 8/1/2022 - 7/31/2023		\$ 35,000	CoBank	Pending Filing	CoBank	Yes	\$ 35,000	Various	No	\$ 27.23	\$ -	Anticipates closing on CoBank long term loan to pay off CoBank FALOC on 8/1/2023.

Pennichuck East Utilities Projected 2020 QCPAC Eligible Capital Investment - \$ 2,828,500 Funded with CoBank Loan³ - \$ 2,828,500

 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 Janaury 2021.

 3. Projected CoBank Loan Terms are
 25 Years at

 4. The Wellesley, Radcliffe and Vassar Drive water main replacemts will be completed over 2 years with water main replacement occurring in 2022 and final pavement in 2023.

 resulting in P&I of \$ 200,689

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Pennichuck East Utilities, Inc. DW 21-022 Projected 2023 QCPAC Capital Expenditures 2/11/2021 Revised 6/2/2021 per Staff Tech Session DR1, Revised 10/28/21 DOE DR1 6/30/2021 Update - Add in Atkinson Booster Station replacement. Deferred from 2022 Revised 10/25/2021 for DOE DR1's 9/30/2021 Update Updated for DOE DR2's 12/1/2021

			2022 Approved Budgeted Amount,				Eligible for 2023					QCPAC Eligible	
			Revised to reflect 2020	Financing Docket	NHPUC Order Date of NHPUC	Source of	QCPAC	Eligible for 2023				Property Tax	
Project Name/Description	Project Description	Work Order #	QCPAC activity	No.	No. Order	Funding		QCPAC Surcharge	Community	Taxable	Tax Rate (1)	Expense	Explanation for Change/Addition/Deletion since Petition Filing
elham Main Replacement	Monticello & Lane Area Phase 2		\$ 700,000	CoBank	Pending Filing	CoBank	Yes	\$ 700,000	Pelham	Yes	\$ 24.86 \$	17,402	
ellesley Drive water main replacement	Replace 1760 LF of 2 inch PE with 1760 LF of C900 PVC (paving).		\$ 70,000	CoBank	Pending Filing	CoBank	Yes	ş -	Pelham	Yes	\$ 24.86 \$	- Proje	ect deferred due to available funds being used for Montecello project
dcliffe Drive water main replacement	Replace 720 LF of 1.5 inch PE with 720 LF of C900 PVC (paving).		\$ 50,000	CoBank	Pending Filing	CoBank	Yes	ş -	Pelham	Yes	\$ 24.86 \$	- Proje	ect deferred due to available funds being used for Montecello project
ssar Drive water main replacement	Replace 1740 LF of 2 inch PE with 1740 LF of C900 PVC (paving).		\$ 70,000	CoBank	Pending Filing	CoBank	Yes	ş -	Pelham	Yes	\$ 24.86 \$	- Proje	ect deferred due to available funds being used for Montecello project
kinson Booster Station	Replace and Upgrade Station for AS treatment and Fire flow.		\$ 600,000	CoBank	Pending Filing	CoBank	Yes	\$ 600,000	Atkinson	Yes	\$ 22.84 \$	13,704	
cke Lake	Circle & Emmerson Replace 2100 feet of 2 inch PE.		\$ 250,000	CoBank	Pending Filing	CoBank	Yes	\$ 250,000	Barnstead	Yes	\$ 27.84 \$	6,960	
revenue investments Normal Run Rate	Per Tariff		\$ 100,000	CoBank	Pending Filing	CoBank	Yes	\$ 100,000	Various	Yes	\$ 27.23 \$	2,723	
oster Pump replacement/rebuild	Booster Pump replacement/rebuild		\$ 40,000	CoBank	Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 27.23 \$	1,089	
ell Pump replacements	Well Pump replacements		\$ 40,000	CoBank	Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 27.23 \$	1,089	
emical Feed pump replacements	Chemical Feed pump replacements		\$ 10,000	CoBank	Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 27.23 \$	272	
tall/replace treatment systems in small CWS.	Install/replace treatment systems in small CWS.		\$ 25,000	CoBank	Pending Filing	CoBank	Yes	\$ 25,000	Various	Yes	\$ 27.23 \$	681	
scellaneous Structural Improvements	Miscellaneous Structural Improvements		\$ 20,000	CoBank	Pending Filing	CoBank	Yes	\$ 20,000	Various	Yes	\$ 27.23 \$	545	
scellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects		\$ 10,000	CoBank	Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 27.23 \$	272	
scellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		\$ 30,000	CoBank	Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 27.23 \$	817	
ell Rehabilitation	Well Rehabilitation		\$ 60,000	CoBank	Pending Filing	CoBank	Yes	\$ 60,000	Various	Yes	\$ 27.23 \$	1,634	
w Services (5)	Single Family, Owner Build, New Homes		\$ 25,000	CoBank	Pending Filing	CoBank	Yes	\$ 25,000	Various	Yes	\$ 27.23 \$	681	
newed Services (20)	Replacement of failed services (focus on Locke Lake System).		\$ 110,000	CoBank	Pending Filing	CoBank	Yes	\$ 110,000	Various	Yes	\$ 27.23 \$	2,995	
drants (5)	Replacement of non-functional hydrants.		\$ 30,000	CoBank	Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 27.23 \$	817	
tes (8)	Replacement of Failed Gate Valves		\$ 32,000	CoBank	Pending Filing	CoBank	Yes	\$ 32,000	Various	Yes	\$ 27.23 \$	871	
dios (300)	New Customers (220) and replaced failed radios (80) for meter reading.		\$ 31,500	CoBank	Pending Filing	CoBank	Yes	\$ 31,500	Various	Yes	\$ 27.23 \$	858	
w 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	\$ 27.23 \$	817	
ters 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	\$ 27.23 \$	1,089	
22 Radios (1000)	Year 3 of 7 year replacement of all PEU radios (all initial radios installed in 2007).		\$ 130,000	CoBank	Pending Filing	CoBank	Yes	\$ 130,000	Various	Yes	\$ 27.23 \$	3,540	
erest on CoBank FALOC	Short term interest from 8/1/2023 - 7/31/2024		\$ 30,000	CoBank	Pending Filing	CoBank	Yes	\$ 30,000	Various	No	\$ 27.23 \$	- Anti	cipates closing on CoBank long term loan to pay off CoBank FALOC on 8/1/2024.

Pennichuck East Utilities Projected 2020 QCPAC Eligible Capital Investment - \$ 2,343,500 Funded with CoBank Loan³ - \$ 2,343,500

 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 Janaury 2021.

 3. Projected CoBank Loan Terms are
 25 Years at

 5. The Wellesley, Radcliffe and Vassar Drive water main replacemts will be completed over 2 years with water main replacement occurring in 2022 and final pavement in 2023.

 resulting in P&I of \$ 166,277