

STATE OF NEW HAMPSHIRE
BEFORE THE
PUBLIC UTILITIES COMMISSION

Docket No. DW 23-013

Pennichuck East Utility, Inc.
2023 Qualified Capital Project Adjustment Charge (“QCPAC”)

SETTLEMENT AGREEMENT

October 2023

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SETTLEMENT AGREEMENT

This Settlement Agreement is entered into this 30th day of October 2023 (the “Agreement”), by and among Pennichuck East Utility, Inc. (“PEU” or “Company”) (a subsidiary of Pennichuck Corporation) and the New Hampshire Department of Energy (“the DOE”) with the intent of resolving all issues in the above-captioned docket. (PEU and the DOE are referred to collectively in this Agreement as the “Settling Parties.”)

I. PROCEDURAL BACKGROUND

1. On February 14, 2023, PEU filed its initial petition for a 2023 Qualified Capital Project Adjustment Charge (“QCPAC”) with the New Hampshire Public Utilities Commission (“Commission”) in Docket No. DW 23-013. A copy of updated Exhibit DLW-1 of the Petition is attached hereto as Attachment A¹. The purpose of the petition was three-fold. First, the petition sought final approval of a 2023 QCPAC based on eligible projects and amounts expended for capital projects that were used and useful in 2022. Second, the petition sought preliminary approval of the capital budget for eligible capital project expenditures set to occur in 2023. Third, the petition provided the Commission with

¹ Attachment A has been updated as of October 5, 2023, in response to discovery requests by the DOE.

information regarding the Company's forecast of capital project expenditures slated for completion in 2024 and 2025.

2. Overall, the original petition sought a 2023 QCPAC estimated at 1.36%, recouped on a service rendered basis from the date of closing on a loan with CoBank originally contemplated to occur on July 31, 2023², for the approved capital projects completed, used and useful by December 31, 2022. This would be in addition to the 4.02% 2021 QCPAC approved by the Commission in Order No. 26,608 (April 8, 2022) in Docket No. DW 21-022 and the 0.94% 2022 QCPAC approved by Order No. 26,767 (January 27, 2023) in Docket No. DW 22-005, amounting to a cumulative QCPAC of 6.32%. The Company would add the QCPAC to the rates approved by the Commission in the Company's latest rate case³ by Order No. 26,586 (February 18, 2022). As a result of Order No. 26,586, the average monthly bill for a single-family residential customer of PEU is \$84.31. With the addition of the previously approved 2021 and 2022 cumulative 4.96% QCPAC, the average monthly bill for a single-family residential customer totaled \$88.49. The additional estimated 2023 QCPAC of 1.36%, originally sought in this petition, would have increased the average residential monthly bills from \$88.49 to \$89.64, representing a monthly bill increase of \$1.15.

3. On February 15, 2023, the Commission issued a Letter of Acknowledgment in receipt of the Company's petition. The Company filed a notice of service list change on February 15, 2023, and the DOE filed a notice of appearance on February 23, 2023. The DOE filed a petition or assented-to motion for approval of a proposed procedural schedule on March 6, 2023, which included two sets of

² The actual closing date of the 2023 CoBank Loan was September 25, 2023. (See Attachment D, Company's Supplemental Response to DOE 2-1 dated September 28, 2023.)

³ See, Order No. 26,586 (February 18, 2022) in Docket No. DW 20-156.

discovery, a technical session, and a Settlement Agreement to be filed with the Commission by November 15, 2023. On March 10, 2023, the Commission issued a procedural order approving the procedural schedule proposed by DOE's motion.

4. On August 2, 2023, a Final Audit Report of PEU's proposed 2023 QCPAC was issued by the DOE's Audit Staff. A copy is attached hereto as Attachment B. A complete set of the DOE's discovery requests and the Company's responses to the discovery requests are attached and incorporated as Attachment D.

5. On October 24, 2023, the DOE's water engineer consultant, Douglas W. Brogan, P.E., issued his report regarding PEU's 2023 QCPAC filing. A copy of that report is attached hereto as Attachment C.

6. The Company will file budgetary updates on November 15, 2023 (for the period ending September 30, 2023) and on January 15, 2024 (for the period ending November 30, 2023), to the 2023 QCPAC Budget tab of Exhibit DLW-1-7, pursuant to Order No. 26,767 (January 27, 2023) in Docket No. DW 22-005. In the instant proceeding, however, the Company has requested a modification to the reporting requirements for the PEU QCPAC Mechanism, which is discussed in further detail below.

II. BACKGROUND ON QCPAC PROCESS AND PURPOSE:

7. On September 9, 2017, PEU filed a Request for Change in Rates and a Petition for Specific Modifications to Ratemaking Structure, Docket No. DW 17-128. Among the requests made in that Petition was to establish a QCPAC enhanced step increase mechanism similar to the one approved for Pennichuck Water Works, Inc. in Docket No. DW 16-806.

8. On October 4, 2018, the Commission authorized the QCPAC program as part of the overall ratemaking structure of PEU. See *Pennichuck East Utility, Inc.*, Order No. 26,179, (October 4, 2018) at 16.

9. Order No. 26,179 confirms that the underlying purpose of the QCPAC process is to allow the Company to establish a revenue requirement and associated customer rates sufficient to recover the debt service (principal and interest x 1.1) and the property tax expenses associated with the Company's capital improvements on an annual basis, rather than to wait for recovery of such costs as part of a general rate case conducted every three years. See Order No. 26,179 at 12. This process acknowledges that PEU, like PWW, is a unique public utility because it is ultimately owned by the City of Nashua and must rely entirely on debt financing for its operations and capital expenditures. In contrast to PEU (and PWW), other traditional investor-owned utilities have significant equity financing. That equity position allows those utilities to carry the additional direct financial impact of capital expenses until their next general rate cases. However, because PEU, which is ultimately owned entirely by a municipality, does not have access to such equity capital in any manner, the Company must borrow all funds needed to finance necessary annual capital investments. The approved QCPAC mechanism allows PEU to establish a surcharge on its permanent rates on an annual basis sufficient to support the additional debt service obligations arising from its annual capital expenditures, incurred, funded, and requiring the initiation of repayment each year, as well as the associated property tax expenses resulting from those capital expenditures. See *Id.* at 2 and 16.

10. PEU and its lenders rely on this regular, consistent and annual QCPAC process, approved by the Commission as part of its ratemaking structure, to provide the loan financing necessary to support the annual capital investments required by a water utility, to meet its core, prudent and fundamental

service as a regulated water utility. While such a process is unique, PEU and its management team have been able to explain the QCPAC mechanism to its lenders and have been successful in accessing new borrowings on an annual and ongoing basis. Without the clear and consistent application of the QCPAC process, however, lenders may have uncertainty as to whether PEU would ultimately obtain, through the general ratemaking process, the rates necessary to repay new loans. Because PEU does not have access to equity, these lenders may determine that such a loan may be too great a risk, and, therefore, decide against extending the required credit to finance PEU's regular and recurring capital expenditures. The QCPAC process was intentionally designed to address these potential concerns by lenders and to enable PEU to access debt capital between general rate cases.

11. Pursuant to Order No. 26,179, to include the costs associated with PEU's capital projects in the calculation of the QCPAC, capital projects must meet the following criteria: (1) the capital project proposed by PEU must be completed, in service, and used and useful as utility infrastructure within the previous fiscal year for which the QCPAC filing is made; (2) the capital project must have been financed by debt that has been approved by the Commission in accordance with RSA 369; and (3) the capital projects must correspond with a capital budget which has been previously submitted by PEU and preliminarily approved by the Commission, and updated periodically following that initial filing.

12. Order No. 26,179 describes the required content of PEU's annual QCPAC petition as follows:

Within its annual filing, PEU will provide: (1) its calculation of the QCPAC surcharge associated with capital investments from the previous year; (2) budget information regarding proposed capital projects for the current year; and (3) a detailed forecast of anticipated capital project expenditures for the subsequent two years, for informational purposes only. Customers will receive notice of the proposed surcharge within 30 days of the annual QCPAC filing.

13. The QCPAC consists of: (1) the annual principal and interest payments with respect to the applicable capital project debt (multiplied by 1.1); and (2) incremental property taxes associated with the specific capital projects, as determined in the year of the granting of the QCPAC for such projects.

III. TERMS OF THIS SETTLEMENT AGREEMENT

The Settling Parties agree and recommend the Commission approve the following:

A. Approval of the 2022 Completed Projects and 2023 QCPAC

14. The Settling Parties agree that the amount of the Company's 2022 Qualified Capital Projects ("QCP") was \$2,000,878, the list of which is included in Attachment A, Page 4 to this Agreement. The Settling Parties agree that these projects are associated with a capital budget that was previously approved by the Commission in Order No. 26,767 (January 27, 2023). The Settling Parties also agree that these projects were audited by the DOE's Audit Staff with all noted exceptions ultimately resolved.⁴ (See Attachment B) These projects were also reviewed by the DOE's Staff, including its Engineering Consultant, Douglas W. Brogan, who issued a report on October 24, 2023(Attachment C).

⁴ The Audit Report contained five Audit Issues regarding the following: **1) Work Order 2206575 – Locke Lake Well Pump Replacement**: the Company agreed with Audit's recommendation to reduce the QCPAC recovery amount for this project by \$21,023 for a workorder (2206575) which was not used and useful by December 31, 2022; **2) Property Taxes**: the Company and the Audit Staff agreed on a methodology for calculating the "various" tax rate for projects that impact multiple towns and corrected the property tax rate for the Town of Atkinson (also see Company's responses to DOE DRs 1-3 and 2-2 (Attachment D)); **3) Project Costs related to the NH DWGTF Loan and Grant**: Audit agreed with the Company's response that the 2022 QCPAC filing should be adjusted by \$11,365 for final project cleanup in 2023 for the W&E Interconnect project that will be sought for recovery in the 2024 QCPAC filing (also see Company's responses to DOE DR 1-4 (Attachment D)); **4) Journal Entry regarding the NH DWGTF Grant**: Audit understood that the DWGTF grant accrued on December 30, 2021 but only a portion of the actual grant funds were received in April 2023 and were recorded to the CIAC account on June 1, 2023 to comply with the NH Uniform System of Accounts (no resulting adjustment was required to the Company's filing schedules; also see Company's responses to DOE DRs 1-4 and 2-3 (Attachment D)); and, **5) Portions of Projects Used and Useful in 2022**: Audit raised a concern about a variance of \$23,343 between work orders and the filing totals for the Gage Hill projects and remained unclear how inventory used and placed in service prior to 12/31/2022 was not released for the job until April 2023 and whether a portion of the project cost should be deferred until the 2024 QCPAC filing (no resulting adjustment was required to the Company's filing schedules; also see the Company's responses to DOE DRs 1-5 and 2-4 (Attachment D)).

The Settling Parties further agree that each project was completed, in service, and used and useful in 2022; and, where applicable, a Commission order was previously issued approving the debt financing associated with each financed project.⁵

15. The Settling Parties recommend that the Commission approve these 2022 projects for recovery under the Company's QCPAC mechanism for 2023. The Settling Parties recommend that the Commission find that these projects were prudent, used, and useful as of December 31, 2022, and that the Commission should approve those projects as eligible for recovery through the QCPAC surcharge.

16. The Settling Parties agree that the calculation of the debt service component of the 2023 QCPAC is as follows:

- A. CoBank Loan: PEU utilized proceeds of \$744,775 from a 25-year loan from CoBank at an interest rate of 7.26%, resulting in annual debt service of \$65,414 (See Attachment A, Page 4, Cell F67).
- B. NHDES Drinking Water and Ground Water Trust Fund (DWGTF) Loan: PEU utilized \$482,135 of the total loan proceeds from a 25-year DWGTF loan at an

⁵ A total of \$1,226,910 of PEU's capital projects were financed through previously approved debt financings. This consists of a 2023 CoBank loan of \$744,775 at 7.26% approved in Order No. 26,864 (July 28, 2023) in Docket No. DW 23-046 and a NHDES Drinking Water and Ground Water Trust Fund (DWGTF) loan of \$482,135 at 1.57% approved in Order No. 26,641 (June 15, 2022) in Docket No. DW 22-013. The Petition initially estimated that the CoBank loan would have a 7.25% interest rate with a term of 25 years. However, the loan closed on September 25, 2023, with a term of 25 years and an interest rate of 7.26% that was set by the lender based upon prevailing market interest rates as of that date. The remaining balance of the Company's 2022 capital projects of \$773,968 were funded by a \$211,500 DWGTF grant, further described in the Company's request in Docket No. DW 22-013, and proceeds from PEU's 0.1 Debt Service Revenue Requirement (0.1-DSRR) account in 2022 of \$525,575 (Attachment A, Page 4, Cell O63), along with an additional \$36,893 allocated from 2023 0.1 DSRR funds (Attachment A, Page 4, Cell O64).

interest rate of 1.57%, resulting in an annual debt service amount of \$23,466 (See Attachment A, Page 4, Cell F68).⁶

- C. The total annual debt service associated with the two financings is \$88,880 (\$65,414 + \$23,466) (See Attachment A, Page 4, Cell F69 and Attachment A, Page 1, Cell J17). After application of the 1.1 x Principal and Interest Coverage Requirement, the resulting Debt Service Component of the 2023 QCPAC becomes \$97,768 (\$88,880 x 1.1).

17. The Settling Parties agree that the property tax expense component of PEU's 2022 QCPAC is calculated as \$38,783 (See Attachment A, Page 4, Cell S55 and Attachment A, Page 1, Cell J12).

18. The Settling Parties further agree that the inclusion of the calculated debt service component of \$97,768 and property tax expense component of \$38,783 to PEU's QCPAC calculation results in a 2023 QCPAC of 1.35% (See Attachment A, Page 1, Cell L24)⁷, which when added to the Company's previously approved permanent base rates in DW 20-156, approved 2021 QCPAC of 4.02% in Docket No. DW 21-022, and approved 2022 QCPAC of 0.94% in Docket No. DW 22-005, results in a cumulative QCPAC of 6.31% (See Attachment A, Page 1, Cell L25).

19. Based on the above-described calculations that are depicted in Attachment A, Pages 1 and 4, the Settling Parties agree and recommend that the Commission approve a 2023 QCPAC of

⁶ PEU also utilized \$211,500 of total proceeds from a DWGTF grant which did not add to the annual debt service amount. The grant was utilized for the 2021 investment in the Salem-W&E Interconnection; however, the Company did not close on the DWGTF loan and grant in 2021 and the project was not fully used and useful by December 31, 2021, as such this project was not recoverable for the 2022 QCPAC in Docket DW 22-004.

⁷ As noted above, the 2023 QCPAC amount reflects the capital project costs, debt service, and property taxes in Exhibit DLW-1-7, updated as of October 5, 2023, in response to discovery from the DOE. (See Attachment A)

1.35%, which when added to that which has been previously approved by the Commission, results in a cumulative QCPAC of 6.31%.

20. The Settling Parties agree that for an average single-family residential customer, the calculated 6.31% cumulative QCPAC translates to a \$5.32 per month surcharge (Attachment A, Page 1, Cell L26), which, when added to a present average base rate charge of \$84.31 (Attachment A, Page 1, Cell B49), results in a monthly bill of \$89.63 (Attachment A, Page 1, Cell L27). Thus, the additional QCPAC of 1.35% sought in this docket will result in an increase of \$1.14 per month over the current average single family residential bill of \$88.49 (Attachment A, Page 1, Cell I27) which is inclusive of the 4.02% QCPAC approved in DW 21-022 and 0.94% QCPAC approved in Docket No. DW 22-005.

21. The Settling Parties agree and recommend that the Commission approve a recoupment of the 2023 QCPAC effective for service rendered from the date of the 2023 CoBank Loan closing of September 25, 2023, until the effective date of the Commission's order approving the 2023 QCPAC. The Settling Parties agree that this recoupment is necessary because absent the ability of the Company to recover the cash necessary to pay the accrued interest, as well as the first principal payments on the CoBank and DWGTF loans, there will be a shortage of the funds required to make these first monthly interest and principal payments. Therefore, it is essential that the Company begin to collect the 2023 QCPAC coincident with the time interest begins to accrue on the loans, and the payment obligation starts to run for principal repayments on these loans. The Settling Parties further agree and recommend that, based on an anticipated order effective date in this proceeding of December 30, 2023, the Commission approve a recoupment period of three (3) months that will result in a monthly recoupment charge for the average single-family residential home of \$1.20 per month ($\$1.14 \times 3.17 \text{ months} = \$3.61 \div 3 \text{ months} = \1.20).

22. The Settling Parties agree that this represents a reasonable compromise of all issues relating to the revenue requirement pending before the Commission for the purpose of assessing the 2023 QCPAC. As the sums expressed above are the result of compromise and settlement, they are liquidations of all revenue requirement issues and do not constitute precedent regarding any particular principle or issue. The Settling Parties agree that the 2023 QCPAC recommended to the Commission results in an adjustment for PEU's customers that is just and reasonable.

B. Preliminary Approval of the 2023 Capital Projects Budget

23. The Settling Parties agree and recommend that the Commission approve, on a preliminary basis, PEU's proposed 2023 projects as being appropriate for recovery through the QCPAC mechanism, subject to further refinement through scheduled updates filed with the Commission for the purpose of keeping the Commission apprised of the Company's progress with regard to its 2023 projects, and finally subject to the Commission's audit and prudence review of the final costs associated with those projects as part of PEU's 2024 QCPAC proceeding.

24. The Settling Parties agree that PEU's 2023 capital projects budget is contained in Attachment A, Page 5 to this Settlement Agreement and totals \$2,700,600 (See Cell L35). The individual capital projects contained in Attachment A, Page 5 were reviewed by the DOE's Staff, including its Engineering Consultant, Douglas W. Brogan (see Attachment C). The Settling Parties agree that the proposed 2023 capital projects budget of \$2,700,600 is currently anticipated to result in a 3.25 percentage point increase (Attachment A, Page 1, Cell O24) in PEU's cumulative QCPAC to 9.56% (Attachment A, Page 1, Cell O25). The Settling Parties further agree that for an average single-family residential customer, the projected 9.56% cumulative QCPAC translates to a \$8.06 per month surcharge (Attachment A, Page 1, Cell O26), which, when added to a present single-family residential average

base rate charge of \$84.31 (Attachment A, Page 1, Cell B49), results in a monthly bill of \$92.37 (Attachment A, Page 1, Cell O27).

25. The Settling Parties therefore agree and recommend that the Commission preliminarily find that PEU's 2023 capital expense budget contained in Attachment A, Page 5 and totaling \$2,700,600 (Cell F35) is appropriate, subject to further refinement through updates filed with the Commission, and finally subject to the DOE's subsequent audit and prudence review of the final costs associated with those projects as part of PEU's 2024 QCPAC proceeding. Preliminary approval will allow for recovery of capital budget expenditures, debt service, and property tax expense for those projects that are prudent, used, and useful by December 31, 2023, as consistent with the QCPAC process set forth in Commission Order No. 26,179.

C. Informational Review of 2024-2025 Capital Project Budgets

26. The Company provided the details regarding its 2024 and 2025 project budgets in accordance with Order No. 26,179 for informational purposes only. The 2024 and 2025 capital projects have been updated as of October 5, 2023, in response to discovery between the Settling Parties. Updated lists of PEU's 2024 and 2025 capital project budgets are contained in Attachment A, Pages 6 and 7 to this Settlement Agreement. PEU's 2024 capital projects budget is currently anticipated to be \$1,943,600 (Attachment A, Page 6, Cell K33) and its 2025 capital projects budget is currently anticipated to be \$1,625,600 (Attachment A, Page 7, Cell K31).

27. The Settling Parties, for the reasons set forth above, agree and recommend that the Commission accept, for informational purposes, the proposed 2024 and 2025 capital expense budget projects, as consistent with the QCPAC process approved in Commission Order No. 26,179.

D. Proposed Modification of QCPAC Budget Update Requirement

28. The Commission's approval of the QCPAC Mechanism in Order No. 26,179 (October 4, 2018) in Docket No. DW 17-128 and Order No. 26,313 (December 6, 2019) in Docket No. DW 19-035 included a requirement that the Company provide quarterly updates with the Commission on August 15, November 15, and January 15 (following the end of the fiscal year) detailing known or expected capital projects based on the periods ending June 30, September 30, and November 30, respectively.

29. The Commission approved a modification to the schedule of quarterly updates required detailing known or expected expenses for Capital projects to eliminate the August 15 budget update for the period ending June 30, but still requiring the November 15 budget update for the period ending September 30, and the January 15 budget update for the period ending November 30 by Order No. 26,608 (April 8, 2022) in Docket No. DW 21-022.

30. The Company's petition represented that ongoing discovery and updates during the review of the projects eligible for QCPAC recovery result in a number of updates to the capital projects under review. However, the updates (as set forth above) result in one-time snapshots of the respective capital project budgets, property tax expense, and project debt service that may overlap with updates resulting from the ongoing discovery both before and after consideration and approval of these projects for the QCPAC by the Commission. To avoid unnecessary overlap of reporting or redundancy by providing information that does not inform a decision by the Commission, the Company's petition proposed to reduce the two reports to one report due on August 30 for the period ending July 30. The Company indicated that allowing this modification will result in reduced time, effort and expense by the Company's staff, the DOE's staff and reduce legal costs incurred by the Company related to review of these updates, thereby ultimately benefiting PEU's ratepayers.

31. Based upon further discussions between the Settling Parties, it is their recommendation that the Commission approve a modification to PEU's budget update reporting requirement that would only consist of one report on December 15 for the period ending on October 31. The Settling Parties agree that this modification from two reports to one report on December 15 will (1) essentially coincide with the end of PEU's annual construction season; (2) continue to provide the Commission with a full and complete update of the Company's capital project budgets as well as any accounting updates stemming from discovery between the Company, the DOE and other interested parties during the course of the annual QCPAC proceedings; and (3) result in reduced time, effort and expense by the Company's staff and the DOE's staff, and reduce legal costs incurred by the Company related to these updates, thereby ultimately benefiting PEU's ratepayers.

IV. SETTLEMENT CONDITIONS

32. PEU and the DOE request that the Commission approve this Settlement agreement, and the associated QCPAC surcharge, without a hearing. In support of this request, PEU and the DOE note that neither the Office of Consumer Advocate nor any other party requested intervention in this proceeding. In addition, the parties agree that, with the attachment of the audit report, engineering report, and data request responses to the Settlement Agreement, the record in this matter is complete. In summary, as PEU and the DOE are the sole parties to this proceeding, and are in agreement on the disposition of this matter, PEU and the DOE recommend that the Commission approve the Settlement Agreement without a merits hearing.

33. The Settling Parties expressly condition their support of this Agreement upon the Commission's acceptance of all its provisions, without change or condition. If the Commission does not accept the provisions in their entirety, without change or condition, any party hereto, at its sole option

exercised within fifteen (15) days of such Commission order, may withdraw from this Agreement, in which event it shall be deemed to be null and void and without effect and shall not be relied upon by any Settling Party to this proceeding or by the Commission for any purpose.

34. The Commission's acceptance of this Agreement does not constitute continuing approval of, or precedent regarding, any particular principle or issue in this proceeding, but such acceptance does constitute a determination that the adjustments and provisions set forth herein in their totality are just and reasonable and consistent with the public interest. In its order addressing the approvals recommended in this Agreement, the Commission should expressly find that the approvals recommended herein are unique to this case and should not be viewed as having precedential impact with respect to any particular principle or issue in this proceeding for any other case or situation for reasons.

35. The discussions that produced this Agreement have been conducted on the explicit understanding that all offers of settlement relating thereto are and shall be confidential, shall be without prejudice to the position of any party or participant representing any such offer or participating in any such discussion, and are not to be used in connection with any future proceeding or otherwise.

36. This Agreement may be executed in counterparts.

IN WITNESS WHEREOF, the Settling Parties have caused this Agreement to be duly executed in their respective names by their fully authorized agents.

PENNICHUCK EAST UTILITY, INC.
By its attorneys
Rath, Young and Pignatelli, P.C.

Dated: October 30, 2023

By: 
James J. Steinkrauss

THE NEW HAMPSHIRE DEPARTMENT OF ENERGY

Dated: October 30, 2023

By: /s/ Suzanne G. Amidon

Suzanne G. Amidon
DOE Staff Counsel

ATTACHMENT A

**Exhibit DLW 1-7 PEU QCPAC Petition
Response to DOE Discovery Requests Set 2
Second Supplemental Response
October 5, 2023**

Pennichuck East Utilities, Inc.
DW 23-013
Computation of QCPAC Surcharge
2/13/2023
8/28/2023 Updated per DOE DR Set 1
9/25/2023 Updated per DOE DR Set 2
9/28/2023 Revised to reflect final terms of CoBank Loan
10/5/2023 Second Supplemental DOE DR Set 2 - Corrected for approved CoBank Loan amount

PEU QCPAC Filing
Exhibit DLW-1
Page 1

	Requested DW 20-156 Revenue Requirements		Completed 2020 Qualified Capital Project pro formas	Approved QCPAC Surcharge for 2020 Capital Additions		Completed 2021 Qualified Capital Project pro formas		Approved QCPAC Surcharge for 2021 Capital Additions		Completed 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		Projected QCPAC For 2025 Capital Additions pro formas		Projected QCPAC Surcharge for 2025 Capital Additions									
City Bond Fixed Revenue Requirement (CBFRR)	\$	926,309		\$	926,309	\$	-	\$	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	\$	38,783	(5)	\$	7,150,547	\$	68,190	(5)	\$	7,218,737	\$	(23,221)	(5)(10)	\$	7,195,516	\$	34,332	(5)	\$	7,229,848
Operating Expense Contingency		1.04	(2)		1.04				1.04				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				7,429,841				7,498,030				7,474,809								7,509,141				7,509,141	
Non Material Operating Expense Revenue Requirement (NOERR)	\$	7,163		\$	7,163			7,163				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			\$	52,281				\$	52,281			\$	52,281
Debt Service Revenue Requirement (DSRR 1.0)	\$	1,739,398	(3)	\$	270,766	(6)	\$	2,010,164	\$	68,530	(7)	\$	2,078,694	\$	88,880	(13)	\$	2,167,574	\$	236,983	(14)	\$	2,404,557	\$	170,555	(14)	\$	2,575,111	\$	142,649	(14)	\$	2,717,761
Principal and Interest Coverage Requirement		1.10			1.10			1.10				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			2,286,564				2,384,331				2,645,012			\$	2,832,622			\$	2,989,537				\$	3,181,169			\$	3,370,706
Revenue Requirement exclusive of NCCRS	\$	10,160,719		\$	10,567,817			10,663,374				10,799,925				11,128,796			\$	11,293,184			\$	11,484,431				\$	11,678,865			\$	11,874,296
Less Other Operating Revenues	\$	30,188	(4)	\$	30,188			30,188				30,188				30,188			\$	30,188			\$	30,188				\$	30,188			\$	30,188
Revenues required from Customer Classes exclusive of NCCRS	\$	10,130,531		\$	10,537,629			10,633,186				10,769,737				11,098,608			\$	11,262,996			\$	11,433,414				\$	11,603,602			\$	11,774,210
Revenues subject to QCPAC	\$	10,130,531		\$	10,537,629			10,633,186				10,769,737				11,098,608			\$	11,262,996			\$	11,433,414				\$	11,603,602			\$	11,774,210
Projected QCPAC Increase (8)					4.02%			0.94%				1.35%				3.25%				1.62%				1.89%					1.89%				1.89%
Cumulative QCPAC increase (9)					4.02%			4.96%				6.31%				9.56%				11.18%				13.07%					13.07%				13.07%
Cumulative QCPAC monthly increase in average single family residential bill				\$	3.39			4.18				5.32				8.06			\$	9.42			\$	11.02				\$	12.54			\$	14.06
Average monthly single family residential bill with QCPAC				\$	87.70			88.49				89.63				92.37			\$	93.73			\$	95.33				\$	96.79			\$	98.25

Notes:

(1) Operating Expense Revenue requirement is the sum of the Total Operating Expenses and Property Tax Expense approved in DW20-156. It does not include Amortization Expense.

(2) Material operating expense factor approved in DW20-156.

(3) Annual Principal and interest payments for PEU debt associated with plant in serviceapproved 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 a 25 year term loan with an actual total all in interest rate of 7.16% 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 poject 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

(13) Portion of Annual Principal and interest payments paid to CoBank for debt associated with plant a placed in service between 1/1/2022 and 12/31/2022 for designated year based on a 25 year term loan with an actual total all in interest rate of 7.26% that was not recovered in DW20-156.

(14) 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 2023, 2024 and 2025 based on a 25 year term loan with an actual total all in interest rate of 7.25% 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

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Project Name/Description	Project Description	Work Order #	Board Approved 2020 Capex Budget	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 6/30/2020	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 Expense	Explanation for Change/Addition/Deletion since Petition Filing
Elevated 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	\$ -	\$ -	\$ -	\$ -	\$ -	Londonderry	Yes	\$ 24.78	\$ -	Project deferred to 2021 due to permitting.
Middleton 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	\$ -	\$ 340,000	\$ -	\$ -	\$ -	Middleton	Yes	\$ 33.55	\$ -	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.	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
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	11/16/2018	SRF	Yes	\$ 10,000	\$ 10,000	\$ -	\$ 1,056,000	\$ 966,252	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 Company will not be closing on the loan supporting these capital improvements until June 2021 so 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	11/16/2018	SRF	Yes	\$ 10,000	\$ 10,000	\$ -	\$ -	\$ -	Barnstead	Yes	\$ 27.84	\$ -	
N.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	11/16/2018	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.
Belmont 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	11/16/2018	SRF	Yes	\$ 5,000	\$ 5,000	\$ -	\$ -	\$ -	Barnstead	Yes	\$ 27.84	\$ -	Deferred
Route 28 Replacement	Replace 720 LF of 2" PE with 720 LF of 4" C-900 PVC.	2000370	\$ 80,000	DW18-132	26,189	11/16/2018	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.
Locke Lake Surface Water Treatment ⁴	Intake & Treatment Facility Construction	1813409, 1900433, 2000369	\$ 835,000	DW18-132	26,189	11/16/2018	SRF	Yes	\$ -	\$ 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 in 2020 than anticipated, therefore there will be less cost in 2021
Locke Lake Surface Water Treatment ⁴	Intake & Treatment Facility Construction	1813409, 1900433, 2000369	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes					\$ 175,334	Barnstead	Yes	\$ 27.84	\$ 4,881	Locke Lake project investment that exceeds the available loan amount of \$4,240,000. 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	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 32,000	\$ 32,000	\$ 32,000	\$ 32,000	\$ 27,400	Plaistow	Yes	\$ 26.20	\$ 718	
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 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	\$ 24.86	\$ 8,275	Project scope expanded for streets listed below over original budget.
Pelham Main Replacement/Addition	Replace Lane Road.	2003563	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 182,102	Pelham	Yes	\$ 24.86	\$ 4,527	Work on this street is in project total for Monticello & Lane Project above.
Pelham Main Replacement/Addition	Replace Simpson Road.	2003564	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 19,527	Pelham	Yes	\$ 24.86	\$ 485	Work on this street is in project total for Monticello & Lane Project above.
Pelham Main Replacement/Addition	Replace Andrea Lane.	2003565	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ -	Pelham	Yes	\$ 24.86	\$ -	Work on this street is in project total for Monticello & Lane Project above.
Pelham Main Replacement/Addition	Replace Mount Vernon Drive.	2004325	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 60,561	Pelham	Yes	\$ 24.86	\$ 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	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.
Sunrise Estates	Station Replacement (design)	2003613	\$ 40,000		0.1 DSRR		CoBank	No	\$ -	\$ -	\$ 30,000	\$ 30,000	\$ 7,805	Middleton	No	\$ 33.55	\$ -	
Londonderry Core Re-Chloramination	Re-chloramination Evaluation and Preliminary Design	2003760	\$ 35,000		0.1 DSRR		CoBank	No	\$ -	\$ 35,000	\$ 35,000	\$ 35,000	\$ 11,820	Londonderry	No	\$ 24.78	\$ -	Design costs incorporated into Station rebuild above.
Atkinson Booster pump station design	Atkinson Booster pump station design	2000717	\$ 30,000		0.1 DSRR		CoBank	No	\$ -	\$ -	\$ -	\$ 3,000	\$ -	Atkinson	Yes	\$ 22.84	\$ -	Costs incorporated in Atkinson Station rebuild below.
Booster 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.
Well Pump replacements	Well Pump replacements	760 - 763 workorders	\$ 40,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 40,000	\$ 16,000	\$ 15,000	\$ 15,000	\$ 14,665	Various	Yes	\$ 27.23	\$ 399	4 Well Pumps Repaired/Replaced through 12/31/2020.
Chemical Feed pump replacements	Chemical Feed pump replacements	760 - 763 workorders	\$ 10,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 10,000	\$ 5,000	\$ 2,000	\$ 2,000	\$ 1,695	Various	Yes	\$ 27.23	\$ 46	1 Chemical Feed Pump Repaired/ Replaced through 12/31/2020.
Install/replace treatment systems in small CWS.	Install/replace treatment systems in small CWS.	n/a	\$ 25,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 25,000	\$ -	\$ -	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.
Misc. Structural Improvements	Misc. Structural Improvements	n/a	\$ 20,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 20,000	\$ 10,000	\$ 5,000	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	\$ 10,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 10,000	\$ 5,000	\$ -	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	n/a	\$ 30,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 30,000	\$ 27,602		\$ 5,000	\$ -	Various	Yes	\$ 27.23	\$ -	See projects below.
Miscellaneous SCADA/Electrical	Replace Well #1 VFD, Lamplighter Village	2001215	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ 2,398	\$ 2,398	\$ 2,398	\$ 2,398	Windham	Yes	\$ 23.89	\$ 57	
Miscellaneous SCADA/Electrical	Replace Pump #4 VFD, Liberty Tree	2005248	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ 1,735	\$ 1,735	\$ 1,735	Raymond	Yes	\$ 30.53	\$ 53	
Miscellaneous SCADA/Electrical	Replace Pump #1 VFD, Liberty Tree	2006387	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ 1,735	\$ 1,735	\$ 1,735	Raymond	Yes	\$ 30.53	\$ 53	
Well Rehabilitation	Well Rehabilitation	n/a	\$ 60,000	DW21-102	26,507	8/6/2021	CoBank	No	\$ -	\$ 15,000	\$ 15,000	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.
Atkinson Station Rebuild	Station cannot provide required fire flow. Hydropneumatic tank is in need of	n/a	\$ 500,000	DW21-102	26,507	8/6/2021	CoBank	No	\$ -	\$ -	\$ -	\$ -	\$ -	Atkinson	Yes	\$ 22.84	\$ -	Project deferred into 2021 subject to evaluation of financial analysis of rebuilding the station vs. interconnectoin with HAWC.
Install 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	\$ 17,901	\$ 17,901	\$ -	Various	Yes	\$ 27.23	\$ -	
Install web based communication equipment, 4 locations.	Fletcher's Corner, Install Cellular Based Communication	2002270	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ 2,099	\$ 2,099	\$ 2,099	\$ 2,099	Various	Yes	\$ 27.23	\$ 57	
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	\$ -	DW21-102	26,507	8/6/2021	DWGTFF/CoBank	No	\$ -	\$ 125,000	\$ 125,000	\$ -	\$ -	Windham	Yes	\$ 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.
New Services (5)	Single Family, Owner Build, New Homes	720 workorders	\$ 25,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 25,000	\$ 15,000	\$ 7,950	\$ 10,586	\$ 10,586	Various	Yes	\$ 27.23	\$ 288	2 new services installed through 12/31/2020.
Renewed Services (10)	Replacement of failed services.	721 & 722 workorders	\$ 55,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 55,000	\$ 1,912	\$ 7,014	\$ 7,014	\$ 10,137	Various	Yes	\$ 27.23	\$ 276	5 Renewed Service installed through 12/31/2020.
Hydrants (5)	Replacement of non-functional hydrants.	730 & 731 workorders	\$ 30,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 30,000	\$ 18,000	\$ 18,000	\$ 6,000	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.
Meters 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	26,507	8/6/2021	CoBank	Yes	\$ 22,000	\$ 30,000	\$ 26,000	\$ 26,000	\$ 25,672	Various	Yes	\$ 27.23	\$ 699	235 Meters installed/replaced through 12/31/2020 - This is new and replacements together.
Gates (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	\$ 487	5 Gates Installed/Repaired through 12/31/2020.
Radios (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.
Meters (Growth) 5/8"-2" - PEU (220)	New meters for new customers (220).	750 workorders	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	Incorporated in Row 48 above.
PEU-PWW Interconnection	PEU-PWW Interconnection	2007474	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 3,449	Merrimack	Yes	\$ 28.84	\$ 99	
MSDC Payment to Manchester Water Works	MSDC Payment to Manchester Water Works	2009024	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 127,007	Various	No	\$ 27.23	\$ -	
Interest on CoBank FALOC	Short term interest from 11/23/2020 - 7/31/2021		\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ 16,000	\$ 16,158	Various	No	\$ 27.23	\$ -	Anticipates closing on CoBank long term loan to pay off CoBank FALOC on 8/1/2021.
Pennichuck East Utilities Projected 2020 Total Capital Expenditure Budget -			\$ 4,737,000															
2020 0.1 DSRR funded projects -																		
Pennichuck East Utilities Projected 2020 QCPAC Eligible Capital Investment less 0.1 DSRR funded projects -																		
Funded with CoBank Loan3 -																		
Funded with SRF4 -																		
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 were approved by the Board in January 2020.																		
3. Projected CoBank Loan Terms are																		
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																		
resulting in P&I of																		
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																		

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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 (l)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since Petition Filing
Locke Lake Surface Water Treatment ¹	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 Evalution 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 Decommission	Nesenkeag Well Decommission	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 evalution 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	Rysmond	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			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			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			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		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		DWGT	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 -			\$ 2,748,501					\$ 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
								\$ 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					\$ 2,688,501	\$ 1,669,000	\$ 1,171,950	\$ 1,198,031	\$ 897,936	Final CoBank Loan Amount						
								\$ 2,455,648	\$ 1,436,147	\$ 939,950	\$ 966,031	\$ 665,083	\$ 655,936						
								\$ 232,853	\$ 232,853	\$ 232,000	\$ 232,000	\$ 232,853							
W&E project to be funded with DWGT 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%
4. Projected SRF Terms for Locke Lake project are 30 Years at 2.704%

			6/30/2021 Update	9/30/2021 Update	11/30/2021 Update	12/31/2021	Final CoBank Loan
resulting in P&I of	\$	213,767	\$ 125,018	\$ 81,824	\$ 84,094	\$ 57,896	\$ 57,100
resulting in P&I of	\$	11,430	\$ 11,430	\$ 11,388	\$ 11,388	\$ 11,430	\$ 11,430
	\$	225,197	\$ 136,448	\$ 93,212	\$ 95,482	\$ 69,326	\$ 68,530

Pennichuck East Utilities, Inc.
DW 23-013
2022 used and useful QCP's
2/13/2023
8/28/2023 Updated per DOE DR Set 1
9/25/2023 Updated per DOE DR Set 2
9/28/2023 Revised to reflect final terms of CoBank Loan
10/5/2023 Second Supplemental DOE DR Set 2 - Corrected for approved CoBank Loan amount

PEU QCPAC Filing
Exhibit DLW-1
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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	Final Project cost as of 12/31/2022	Community	Taxable	Tax Rate (I)	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			0.1 DSRR		No	\$ 113,134	Londonderry	No	\$ 23.90	\$ -	Project still going through Town permitting process. SS are for engineering and will be 0.1 DSRR.
W&E Treatment Improvements	Station Improvements to dechloraminate and rechlorinate	n/a	\$ 35,000	DWGTf		Pending Filing	DWGTf	Yes	\$ -	Windham	Yes	\$ 25.08	\$ -	Included with Line Below
W&E Water Main Improvements	Interconnection to Southern NH Regional Water Sys.	2200453	\$ 454,000	DWGTf/CoBank		Pending Filing	DWGTf	Yes	\$ 471,847	Windham	Yes	\$ 25.08	\$ 11,834	
Investment in Developer Services	1x Annual Revenue	Routine	\$ 100,000	CoBank		Pending Filing	CoBank	Yes	\$ 55,163	Various	Yes	\$ 24.70	\$ 1,363	82 Developer Installed Servicesin 2022
Gage Hill Main Replacement	Vassar Dr & Pumping Station - Gage Hill	2207843 & 1702834	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ 239,832	Pelham	Yes	\$ 22.99	\$ 5,514	Does not include cost of finish paving in 2023
Gage Hill Main Replacement	Wellesley Drive - Gage Hill	2207844	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ 214,062	Pelham	Yes	\$ 22.99	\$ 4,921	Does not include cost of finish paving in 2023
Gage Hill Main Replacement	Raddcliffe Drive - Gage Hill	2207845	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ 102,311	Pelham	Yes	\$ 22.99	\$ 2,352	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	\$ 22,402	Pelham	Yes	\$ 22.99	\$ 515	Does not include cost of finish paving in 2023
Locke Lake Well Pump Replacement	Locke Lake Well Pump Replacement	2206575	\$ -	CoBank		Pending Filing	CoBank	No	\$ -	Barnstead	Yes	\$ 26.82	\$ -	Project not completed and used and usefual before 12/31/2022.
2302 West Side Rd Meter Pit Replacement	2302 West Side Rd Meter Pit Replacement	2203887	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ -	Conway	Yes	\$ 23.23	\$ -	Supply chain issues. Meter pit ordered in May of 2022. Pit not delivered until last week of Dec 2022. Install will happen in 2023.
Install New Water Serice to Existing Customer	Install New Water Service 2396 W Side Dr	2207058	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 866	Conway	Yes	\$ 23.23	\$ 20	2023 cost was clean up associated with December 2022 service install. See 2021 QCPAC tab, row 49.
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	Routine				0.1 DSRR	0.1 DSRR	Yes	\$ 30,856	Various	Yes	\$ 24.70	\$ 762	12 Booster pumps were replaced in 2022. A portion of that work was funded with 0.1 DSRR funds and the remainder will be funded with a loan from CoBank.
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	Routine	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 3,870	Various	Yes	\$ 24.70	\$ 96	
Booster Pump replacement/rebuild	Replace VFD, Booster2, Fletcher's Corner	2201771	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 2,714	Windham	Yes	\$ 25.08	\$ 68	
Booster Pump replacement/rebuild	Replace VFD Booster #1, Daniels Lake	2202067	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 3,226	Ware	Yes	\$ 22.91	\$ 74	
Booster Pump replacement/rebuild	Replace Booster 1 VFD, Fletcher	2203979	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 2,702	Windham	Yes	\$ 25.08	\$ 68	
Well Pump replacements	Well Pump replacements	Routine	\$ 40,000			0.1 DSRR	0.1 DSRR	Yes	\$ 46,432	Various	Yes	\$ 24.70	\$ 1,147	7 well pumps replaced/repai red in 2022. Funding of these well pumps divided between CoBank and 0.1 DSRR funds.
Well Pump replacements	Well Pump replacements	Routine		CoBank		Pending Filing	CoBank	Yes	\$ 8,058	Various	Yes	\$ 24.70	\$ 199	
Chemical Feed pump replacements	Chemical Feed pump replacements	Routine	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ -	Various	Yes	\$ 24.70	\$ -	0 completed in 2022
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	\$ -	Various	Yes	\$ 24.70	\$ -	
Castle Reach PFOA filtration system	Install filters in Castle Reach CWS booster Station to remove PFOA	2300511	\$ -			0.1 DSRR	0.1 DSRR	No	\$ -	Windham	Yes	\$ 25.08	\$ -	3rd quarter PFOA violation required installation of treatment. Filters installed but not used and usefual as filter media is not available due to supply chain issues.
Pioneer Park Arsenic Filtration system	Install filters in Pioneer Park CWS booster Station to remove Arsenic	2300449	\$ -	CoBank		Pending Filing		Yes	\$ 16,244	Atkinson	Yes	\$ 17.86	\$ 290	Raw Water levels of arsenic exceeded 5 ppb State Drinking Water Standing during the third quarter requiring the installation of filtration.
Misc. Structural Improvements	Misc. Structural Improvements	n/a	\$ 20,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	\$ 10,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	n/a	\$ 40,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	0 completed in 2022
Miscellaneous SCADA/Electrical	Replace Chlorine Analyzer - White Rock	2204658	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 4,453	Bow	Yes	\$ 31.81	\$ 142	
Well Rehabilitation	Well Rehabilitation	n/a	\$ 60,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	0 completed in 2022
Replace PLC @ W&E CWS	Replace PLC @ W&E CWS	n/a	\$ 18,000	CoBank		Pending Filing	CoBank	Yes		Windham	Yes	\$ 25.08	\$ -	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			0.1 DSRR	CoBank	Yes	\$ 9,257	Barnstead	Yes	\$ 26.82	\$ 248	
Install web based communication equipment, 4 locations	Install web based communication equipment, 4 locations	n/a	\$ 20,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	1 completed in 2022 (see row below).
Install web based communication equipment, 4 locations	Install GS 300 RTU, Castle Reach	2202068	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 2,063	Windham	Yes	\$ 25.08	\$ 52	
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		Conway	No	\$ 23.23	\$ -	Payment due. Waiting on a bill from the North Conway Water Precinct.
Peacham Treatment Facility Backwash Tank Upgrade	Peacham Treatment Facility Backwash Tank Upgrade	2208042	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 7,420	Barnstead	Yes	\$ 26.82	\$ 199	
Replace VFD Booster Pump 2 at Meadowview	Replace VFD Booster Pump 2 at Meadowview	2208990	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 5,507	Pelham	Yes	\$ 22.99	\$ 127	
New Services (5)	Single Family, Owner Build, New Homes	Routine	\$ 25,000			0.1 DSRR	0.1 DSRR	Yes	\$ 145,256	Various	Yes	\$ 24.70	\$ 3,588	20 services installed in 2022.
Renewed Services (10)	Replacement of failed services. 8 dual Services at Locke Lake per NHDES CAP	Routine	\$ 55,000			0.1 DSRR	0.1 DSRR	Yes	\$ 21,202	Various	Yes	\$ 24.70	\$ 524	9 Services renewed in 2022.
Hydrants (5)	Replacement of non functional hydrants	Routine	\$ 30,000			0.1 DSRR	0.1 DSRR	Yes	\$ 9,952	Various	Yes	\$ 24.70	\$ 246	1 Hydrants installed/repai red in 2022.
Gates (10)	Replacement of Failed Gate Valves	Routine	\$ 40,000			0.1 DSRR	0.1 DSRR	Yes	\$ 35,889	Various	Yes	\$ 24.70	\$ 886	6 Gate valves replaccd/repai red in 2022.
Radios (220)	New Customers (220)	Routine	\$ 23,100	CoBank		Pending Filing	CoBank	Yes	\$ 13,660	Various	Yes	\$ 24.70	\$ 337	133 Radios installed in 2022.
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	\$ 45,414	Various	Yes	\$ 24.70	\$ 1,122	198 Meters installed in 2022.
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		Various	Yes	\$ 24.70	\$ -	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			0.1 DSRR	0.1 DSRR	Yes	\$ 84,645	Various	Yes	\$ 24.70	\$ 2,091	882 Radios replaced in 2022.
DWGTf W&E Interconnection Contruction interest	Interst through interst change date on 7/31/2023	n/a	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ 19,424	N/A	No	N/A	\$ -	Construction Interest accrued at 1% on outstanding loan balance until July 31, 2023.
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	\$ 41,228	N/A	No	N/A	\$ -	Anticipates closing on CoBank long term loan to pay off CoBank FALOC on 10/1/2023.

Pennichuck East Utilities Projected 2022 Total Capital Expenditure Budget - \$ 2,911,100

Projected annual property tax expenses for QCPAC eligible projects - \$ 38,783

Pennichuck East Utilities Projected 2022 QCPAC Eligible Capital Investment - \$ 1,779,091 exclusive of 2021 W&E Investment
Add in 2021 W&E connection expenditures to be funded by DWGTf Loan/Grant - \$ 221,787
Total Capex to be funded in 2022 with QCPAC - \$ 2,000,878
Funded with CoBank Loan³ - \$ 744,775
Funded with DWGTf loan⁴ - \$ 482,135
Funded with DWGWTF Grant - \$ 211,500
Funding with 0.1 DSRR - \$ 525,575
2023 0.1 DSRR funds - \$ 36,893

1. Tax rate is the sum of the local community rate as of Dec 2022 plus the Statewide Utility tax rate of \$6.60/\$1000
2. The 2022 PEU Capital Expenditures Budget presented was 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

	25 Years at	7.26%	resulting in P&I of	\$ 65,414	Based on 12/31/2022
	25 Years at	1.57%	resulting in P&I of	\$ 23,466	
Total P&I to support proposed QCPAC eligible 2022 Capex -				\$ 88,880	

Remaing \$11,301 of DWGTf loan was for paving, loaning and seeding of this project that was not completed until May of 2023. The P&I associated with this part of the loan will be sought as part of the 2024 QCPAC request.
5. Interest rate changed from 5.5% (original DW22-005 submission) to 7.25% to reflect projected interest rates in 2023
6. Available 0.1 DSRR at end of 2022 \$ 525,575 will be used to fund projects based on current projection that 2022 PEU RSF balance exceeds target Combined RSF amount of \$980,000
7. An additional \$ 36,893 of 0.1 DSRR money from 2023 will be used to cover the additional interest incurred on the CoBank and DWGTf loans to limit the CoBank Loan to the amount of \$ 744,775 that was approved in DW 23-046.

Pennichuck East Utilities, Inc.
DW 23-013
Projected 2023 QCPAC Capital Expenditures
2/13/2023
8/28/2023 Updated per DOE DR Set 1

PEU QCPAC Filing
Exhibit DLW-1
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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
Londonderry System Improvements	1.25 MG Tank, 16 Inch Transmission Main, & 3,500 gpm Booster Station		\$ 600,000	CoBank		Pending Filing	CoBank	Yes	\$ 600,000	Londonderry	Yes	\$ 23.90	\$ 14,340
Sunrise Estates - Middleton NH	Station and Storage Tank Replacement		\$ 500,000	CoBank		Pending Filing	CoBank	Yes	\$ 500,000	Middleton	Yes	\$ 31.72	\$ 15,860
Gage Hill - Pelham	Water Main Replacement Replace Approx. 4800 LF of 2 PE with 4 inch C-900 PVC - Paving only		\$ 700,000	CoBank		Pending Filing	CoBank	Yes	\$ 700,000	Pelham	Yes	\$ 22.99	\$ 16,093
Investment in Developer Services	1x Annual Revenue		\$ 150,000	CoBank		Pending Filing	CoBank	Yes	\$ 150,000	Various	Yes	\$ 24.70	\$ 3,705
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Well Pump replacements	Well Pump replacements		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Chemical Feed pump replacements	Chemical Feed pump replacements		\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.70	\$ 247
Install/replace treatment systems in small CWS (PFOA/Mn/Arsenic treatment systems)	Install/replace treatment systems in small CWS (supplemental Arsenic treatment systems		\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.70	\$ 1,235
Misc. Structural Improvements	Misc. Structural Improvements - roof re-build/repair W and E, Harvest Village, Castle Reach		\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.70	\$ 1,235
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects		\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.70	\$ 247
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Well Rehabilitation	Well Rehabilitation		\$ 60,000	CoBank		Pending Filing	CoBank	Yes	\$ 60,000	Various	Yes	\$ 24.70	\$ 1,482
Install web based communication equipment, 4 locations	Install web based communication equipment, 4 locations		\$ 20,000	CoBank		Pending Filing	CoBank	Yes	\$ 20,000	Various	Yes	\$ 24.70	\$ 494
New Services (5)	Single Family, Owner Build, New Homes		\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Renewed Services (20)	Replacement of failed services (5)		\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Renewed Services - Locke Lake (15)	Renewal of Main to Stop portion of servicesin Locke Lake per DES Order (15)		\$ 90,000	CoBank		Pending Filing	CoBank	Yes	\$ 90,000	Various	Yes	\$ 24.70	\$ 2,223
Hydrants (5)	Replacement of non functional hydrants (5)		\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Gates (10)	Replacement of Failed Gate Valves (10)		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Radios - PFOA (50)	New Radios for PFOA customers (50)		\$ 6,000	CoBank		Pending Filing	CoBank	Yes	\$ 6,000	Various	Yes	\$ 24.70	\$ 148
Radios (150)	New Customers (150)		\$ 18,000	CoBank		Pending Filing	CoBank	Yes	\$ 18,000	Various	Yes	\$ 24.70	\$ 445
New meters for new customers (150)	New meters for new customers (150)		\$ 19,000	CoBank		Pending Filing	CoBank	Yes	\$ 19,000	Various	Yes	\$ 24.70	\$ 469
New Meter - PFOA (50)	New Metere for PFOA Customers (50)		\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.70	\$ 154
Replacement of failed meters (50)	Replacement of failed meters (50)		\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.70	\$ 154
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter (400)		\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.70	\$ 1,235
2023 Radios (700)	Year 3 of 10 year replacement of all PEU radios (all initial radios installed in 2007) (700)		\$ 91,000	CoBank		Pending Filing	CoBank	Yes	\$ 91,000	Various	Yes	\$ 24.70	\$ 2,248
Interest on CoBank FALOC	Short term interest from 8/1/2023 - 7/31/2024		\$ 14,100	CoBank		Pending Filing	CoBank	Yes	\$ 14,100	Various	No	N/A	\$ -
Pennichuck East Utilities Projected 2024 Total Capital Expenditure Budget -									\$ 2,700,600	Projected annual property tax expenses for QCPAC eligible projects -			\$ 68,190
Pennichuck East Utilities Projected 2024 Total Capital Expenditures funded by CoBank Loan -									\$ 2,700,600				

1. Tax rate is the sum of the local community rate as of Dec 2022 plus the Statewide Utility tax rate of \$6.60/\$1000

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

3. Projected CoBank Loan Terms are 25 Years at 7.25% resulting in P&I of \$ 236,983

Pennichuck East Utilities, Inc.
DW 23-013
Projected 2024 QCPAC Capital Expenditures
2/13/2023
8/28/2023 Updated per DOE DR Set 1

PEU QCPAC Filing
Exhibit DLW-1
Page 6

Project Name/Description	Project Description	2024 Approved Budgeted Amount (2)	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Source of Funding	Eligible for 2024 QCPAC Surcharge	Eligible for 2024 QCPAC Surcharge	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense
New Services (5)	Single Family, Owner Build, New Homes	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Renewed Services (20)	Replacement of failed services (5)	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Renewed Services - Locke Lake (15)	Renewal of Main to Stop portion of servicesin Locke Lake per DES Order (15)	\$ 90,000	CoBank		Pending Filing	CoBank	Yes	\$ 90,000	Various	Yes	\$ 24.70	\$ 2,223
Hydrants (5)	Replacement of non functional hydrants (5)	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Gates (10)	Replacement of Failed Gate Valves (10)	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Radios - PFOA (50)	New Radios for PFOA customers (50)	\$ 6,000	CoBank		Pending Filing	CoBank	Yes	\$ 6,000	Various	Yes	\$ 24.70	\$ 148
Radios (150)	New Customers (150)	\$ 18,000	CoBank		Pending Filing	CoBank	Yes	\$ 18,000	Various	Yes	\$ 24.70	\$ 445
New meters for new customers (150)	New meters for new customers (150)	\$ 19,000	CoBank		Pending Filing	CoBank	Yes	\$ 19,000	Various	Yes	\$ 24.70	\$ 469
New Meter - PFOA (50)	New Metere for PFOA Customers (50)	\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.70	\$ 154
Replacement of failed meters (50)	Replacement of failed meters (50)	\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.70	\$ 154
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter (400)	\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.70	\$ 1,235
2024 Radios (700)	Year 4 of 10 year replacement of all PEU radios (all initial radios installed in 2007) (700)	\$ 91,000	CoBank		Pending Filing	CoBank	Yes	\$ 91,000	Various	Yes	\$ 24.70	\$ 2,248
Londonderry System Improvements	1.25 MG Tank, 16 Inch Transmission Main, & 3,500 gpm Booster Station	\$ 1,100,000	CoBank		Pending Filing	CoBank	Yes	\$ 1,100,000	Londonderry	Yes	\$ 23.90	\$ 26,290
Investment in Developer Services	1x Annual Revenue	\$ 150,000	CoBank		Pending Filing	CoBank	Yes	\$ 150,000	Various	Yes	\$ 24.70	\$ 3,705
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Well Pump replacements	Well Pump replacements	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Chemical Feed pump replacements	Chemical Feed pump replacements	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.70	\$ 247
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	\$ 24.70	\$ 618
Misc. Structural Improvements	Misc. Structural Improvements	\$ 20,000	CoBank		Pending Filing	CoBank	Yes	\$ 20,000	Various	Yes	\$ 24.70	\$ 494
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.70	\$ 247
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Well Rehabilitation	Well Rehabilitation	\$ 60,000	CoBank		Pending Filing	CoBank	Yes	\$ 60,000	Various	Yes	\$ 24.70	\$ 1,482
Web based Communications 3 locations	Web based Communications 3 locations	\$ 18,000	CoBank		Pending Filing	CoBank	Yes	\$ 18,000	Various	Yes	\$ 24.70	\$ 445
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 -		\$ 1,943,600	Pennichuck East Utilities Projected 2024 QCPAC Eligible Capital Investment -		\$ 1,943,600		Projected annual property tax expenses for QCPAC eligible projects -		\$ 46,779			
					Funded with CoBank Loan ³ -		\$ 1,943,600					

1. Tax rate is the sum of the local community rate as of Dec 2022 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 2023.

3. Projected CoBank Loan Terms are

25 Years at7.25%resulting in P&I of\$170,555

Pennichuck East Utilities, Inc.
DW 23-013
Projected 2025 QCPAC Capital Expenditures
2/13/2023
8/28/2023 Updated per DOE DR Set 1

PEU QCPAC Filing
Exhibit DLW-1
Page 7

Project Name/Description	Project Description	2025 Approved Budgeted Amount (2)	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Source of Funding	Eligible for 2025 QCPAC Surcharge	Eligible for 2024 QCPAC Surcharge	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense
New Services (5)	Single Family, Owner Build, New Homes	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Renewed Services (20)	Replacement of failed services (5)	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Renewed Services - Locke Lake (15)	Renewal of Main to Stop portion of servicesin Locke Lake per DES Order (15)	\$ 90,000	CoBank		Pending Filing	CoBank	Yes	\$ 90,000	Various	Yes	\$ 24.70	\$ 2,223
Hydrants (5)	Replacement of non functional hydrants (5)	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Gates (10)	Replacement of Failed Gate Valves (10)	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Radios - PFOA (50)	New Radios for PFOA customers (50)	\$ 6,000	CoBank		Pending Filing	CoBank	Yes	\$ 6,000	Various	Yes	\$ 24.70	\$ 148
Radios (150)	New Customers (150)	\$ 18,000	CoBank		Pending Filing	CoBank	Yes	\$ 18,000	Various	Yes	\$ 24.70	\$ 445
New meters for new customers (150)	New meters for new customers (150)	\$ 19,000	CoBank		Pending Filing	CoBank	Yes	\$ 19,000	Various	Yes	\$ 24.70	\$ 469
New Meter - PFOA (50)	New Metere for PFOA Customers (50)	\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.70	\$ 154
Replacement of failed meters (50)	Replacement of failed meters (50)	\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.70	\$ 154
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter (400)	\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.70	\$ 1,235
2025 Radios (700)	Year 5 of 10 year replacement of all PEU radios (all initial radios installed in 2007) (700)	\$ 91,000	CoBank		Pending Filing	CoBank	Yes	\$ 91,000	Various	Yes	\$ 24.70	\$ 2,248
Investment in Developer Services	1x Annual Revenue	\$ 150,000	CoBank		Pending Filing	CoBank	Yes	\$ 150,000	Various	Yes	\$ 24.70	\$ 3,705
Atkinson Pioneer Park	Booster Station and Storage Tank Replacement	\$ 800,000	CoBank		Pending Filing	CoBank	Yes	\$ 800,000	Atkinson	Yes	\$ 17.86	\$ 14,288
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Well Pump replacements	Well Pump replacements	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Chemical Feed pump replacements	Chemical Feed pump replacements	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.70	\$ 247
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	\$ 24.70	\$ 618
Misc. Structural Improvements	Misc. Structural Improvements	\$ 20,000	CoBank		Pending Filing	CoBank	Yes	\$ 20,000	Various	Yes	\$ 24.70	\$ 494
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.70	\$ 247
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Well Rehabilitation	Well Rehabilitation	\$ 60,000	CoBank		Pending Filing	CoBank	Yes	\$ 60,000	Various	Yes	\$ 24.70	\$ 1,482
Interest on CoBank FALOC	Short term interest from 8/1/2025 - 7/31/2026	\$ 14,100	CoBank		Pending Filing	CoBank	Yes	\$ 14,100	Various	No	N/A	\$ -
Pennichuck East Utilities Projected 2025 Total Capital Expenditure Budget -		\$ 1,625,600	Pennichuck East Utilities Projected 2025 QCPAC Eligible Capital Investment -		\$ 1,625,600	Projected annual property tax expenses for QCPAC eligible projects - \$ 34,332						
						Funded with CoBank Loan ³ - \$ 1,625,600						

1. Tax rate is the sum of the local community rate as of Dec 2022 plus the Statewide Utility tax rate of \$6.60/\$1000
2. The 2025 PEU Capital Expenditures Budget presented were approved by the Board in January 2023.
3. Projected CoBank Loan Terms are 25 Years at 7.25% resulting in P&I of \$ 142,649

ATTACHMENT B

Final Audit Report – DW 23-013

August 3, 2023

STATE OF NEW HAMPSHIRE

Department of Energy Intra-Department Communication

DATE: August 2, 2023

FROM: Division of Enforcement Audit Staff

SUBJECT: Pennichuck East Utility, Inc.
DW 23-013 Qualified Capital Project Adjustment Charge - QCPAC
FINAL Audit Report

TO: Jayson Laflamme, Director Water Group, Regulatory Support Division
Karen Moran, Audit Director, Division of Enforcement
Robyn Descoteau, Utility Analyst, Regulatory Support Division

Introduction

On February 14, 2023, Pennichuck East Utility, Inc. (PEU or the Company) filed their 2022 Qualified Capital Project Adjustment Charge (QCPAC) reconciliation as part of the Petition for the 2023 Qualified Capital Adjustment Charge. The 2022 projects noted on the reconciliation were proposed and approved as part of the 2022 Petition, docketed as DW 22-005. The QCPAC was approved in docket DW 17-128 by Order 26,179 dated October 4, 2018.

The 2019 QCPAC of 2.98% was approved per Order 26,313 issued on December 6, 2019 for effect January 1, 2020 through December 31, 2021. Due to the timing of the 2020 QCPAC Order discussed below, the 2.98% was charged on customer invoices from January 2021 through August 2021.

In the DW 20-156 rate case, test year 2019, the QCPAC recovery rate was re-set to zero percent per Commission Order 26,508 issued on August 16, 2021.

A settlement agreement was filed on February 18, 2022 in DW 21-022 establishing the 2020 QCPAC rate of 4.02%. The agreement was approved by Order 26,608, issued April 8, 2022, which stated that the rate is *“effective September 29, 2021, with billing of this charge to begin the effective date of this order”*.

In Docket DW 22-005 a settlement agreement was approved by Order 26,767 on January 27, 2023 establishing a 2022 QCPAC rate of 0.94% for capital projects placed in service in 2021, effective October 18, 2022, with billing rate to *“begin on the effective date of this order nisi”* pending PEU’s final calculation of the recoupment surcharge. The final recoupment surcharge calculation was approved by a procedural order on April 19, 2023.

The current filing included the 2022 Capital Expenditures (CAPEX), which reflected the Company’s Board of Directors approval of a QCPAC budget of \$ \$2,911,100 in January of 2022. The total final project cost as of 12/31/22, per the petition totaled \$1,975,350. Of that figure, \$1,238,275 was reported to be eligible for the 2022 QCPAC.

Audit reviewed the 2022 plant additions, as identified on the Capital Expenditures report (CAPEX), found on Exhibit DLW-1, page 4 of 7 of the QCAPC filing.

Funding Sources:

Exhibit DLW 1, page 4, Bates page 032, specifies there are three sources of funding which are cash, a grant through New Hampshire Drinking Water and Ground Water Trust Fund (DWGTF) and debt. Audit noted the debt financing amount of \$1,238,275 is to be funded with the 2022 loan from CoBank totaling \$744,775 and a \$493,500 loan funded through the New Hampshire Drinking Water and Ground Water Trust Fund (DWGTF) as reported on Exhibit DLW 1, page 4 of the filing. Per the testimony of Donald L. Ware, Bates Page 019, the \$744,775 CoBank loan amount is projected to have a 7.25% interest rate with a term of 25 years. The loan is expected to close in late July 2023. Once the interest rate is known, the Exhibit DLW-1 will be updated to reflect the final amount borrowed and actual interest rate.

Donald Ware's testimony Bates page 018 describes the \$705,000 loan/grant through DWGTF as a grant in the amount of \$211,500 and a loan of \$493,400 for 25 years at an interest rate of 1.57%. The loan and the grant will fund the 2021 investment of the Salem-W&E interconnection. The Company reports on Bates page 018 of Donald L. Ware's testimony that *"The Company did not close on this loan in 2021 and the project was not fully used and useful by 12/31/2021 and as such was not recoverable as part of the 2022 QCPAC sought in DW 22-005. The payments on the loan will begin the month after the Company closes on this loan. The loan is slated to close no later than March 2023 resulting in the first monthly P&I payment in April 2023"*.

Exhibit DLW 1, page 4 shows nineteen projects totaling \$525,575, identified as funded through internal Company cash, 0.1-Debt Service Revenue Requirement (DSRR). One project was inadvertently identified as a funded through CoBank in the filing in the "Source of Funding" column.

	Project Name/Description	Work Order #	2022 Approved Budgeted Amount	Financing Docket No.	Source of Funding	Final Project cost as of 12/31/2022
1	Londonderry System Improvements	2200455	\$ 1,600,000.00	0.1 DSRR	0.1 DSRR	\$ 113,134.00
2	Install New Water Service to Existing Customer	2207058	\$ -	0.1 DSRR	0.1 DSRR	\$ 865.71
3	Booster Pump replacement/rebuild	Routine	\$ 40,000.00	0.1 DSRR	0.1 DSRR	\$ 30,856.00
4	Booster Pump replacement/rebuild	2201771	\$ -	0.1 DSRR	0.1 DSRR	\$ 2,714.37
5	Booster Pump replacement/rebuild	2202067	\$ -	0.1 DSRR	0.1 DSRR	\$ 3,225.81
6	Booster Pump replacement/rebuild	2203979	\$ -	0.1 DSRR	0.1 DSRR	\$ 2,702.24
7	Well Pump replacements	Routine	\$ 40,000.00	0.1 DSRR	0.1 DSRR	\$ 46,432.20
8	Castle Reach PFOA filtration system	2300511	\$ -	0.1 DSRR	0.1 DSRR	\$ -
9	Miscellaneous SCADA/Electrical	2204658	\$ -	0.1 DSRR	0.1 DSRR	\$ 4,453.19
10	Replace SCADA HMI Locke Lake	2201774	\$ 10,000.00	0.1 DSRR	CoBank	\$ 9,257.34
11	Install web based communication equipment, 4 locations	2202068	\$ -	0.1 DSRR	0.1 DSRR	\$ 2,062.51
12	North Conway Water Precinct Well #2 upgrade	n/a	\$ 50,000.00	0.1 DSRR	0.1 DSRR	
13	Peacham Treatment Facility Backwash Tank Upgrade	2208042	\$ -	0.1 DSRR	0.1 DSRR	\$ 7,420.04
14	Replace VFD Booster Pump 2 at Meadowview	2208990	\$ -	0.1 DSRR	0.1 DSRR	\$ 5,507.10
15	New Services (5)	Routine	\$ 25,000.00	0.1 DSRR	0.1 DSRR	\$ 145,256.19
16	Renewed Services (10)	Routine	\$ 55,000.00	0.1 DSRR	0.1 DSRR	\$ 21,202.24
17	Hydrants (5)	Routine	\$ 30,000.00	0.1 DSRR	0.1 DSRR	\$ 9,951.63
18	Gates (10)	Routine	\$ 40,000.00	0.1 DSRR	0.1 DSRR	\$ 35,889.38
19	2022 Radios (700)	2200382	\$ 91,000.00	0.1 DSRR	0.1 DSRR	\$ 84,645.05
TOTAL						\$525,575.00

As noted in the Settlement Agreement dated December 9, 2021 in DW 20-156, approved by Order 26,586 *“the Settling Parties agree to recommend the Commission determine that, effective January 1, 2022, the Company shall re-prioritize its usage of funds available in its DSRR-0.1 account in the following manner, by order of priority: (1) fund the cost of PEU’s deferred assets (i.e. studies, engineering design work completed in advance of construction bids and construction, and other intangible assets) that do not qualify for debt financing and, thus, for QCPAC recovery, 2) replenish PEU’s RSF fund balances to their fully approved imprest values; and 3) fund PEU’s capital improvements, as previously authorized in DW 17-128.”*

The 0.1 DSRR projects are included for informational purposes only, however the property taxes are eligible to be included in the QCPAC even though they were funded through 0.1 DSRR. The designation indicates the Company used internal cash for the project, rather than debt, and thus should not be included in the QCPAC calculation. The projects included engineering, cleanup work associated with a service install, installation of filters for a PFOA violation not used and useful in 2022, a well upgrade in North Conway water precinct, new services for new homes, renewed services, hydrant repair, replacement or repair of gate valves and radios.

Audit reviewed the 2021 TD Bank statements for the 0.1 DSRR and the general ledger account 131395. The general ledger ending balance was \$525,575.03 whereas the bank account ending balance was \$494,719.50. The \$30,855.53 variance was due to timing of when the bank recorded month end transfers for November (\$14,756.09) and December (\$16,099.44) and when the Company records them in the general ledger. The 0.1 DSRR entries are booked by debiting the general ledger account 131395 0.1 DSRR account and crediting the 222000 Accounts Payable account. The general ledger account 131395 also had monthly recording of month-end transfers, month-end reversals and in some instances additional month-end transfers. The same types of transactions were noted in the Pennichuck Water Works, Inc. (PWW) audit for the same time period of 2022. PWW noted in that audit that:

- ***“Current Month DSRR 0.1 month end transfer*** -These are the calculated monthly entries that are recorded in the GL each month based on the percentage of revenue per the last Rate Case and QCPAC.
- ***Reverse prior month DSRR 0.1*** - The reversal is done the following month, since we already recorded this transaction in the current month.
- ***Re-record prior month DSRR 0.1*** - If the prior month’s transfer has not been completed in the following month, it must be re-recorded, so that the year to date balance is correct. If it has been completed, you will see the month and an amount on the date the transfer was completed.”

Regulatory Approval

As required by Order 26,179, to be eligible for recovery through the 2023 QCPAC, a project must meet the following standards:

- (1) Completed, in service and used and useful on or before December 31, 2022;
- (2) Financed by debt that has been approved by the Commission; and
- (3) Corresponds with a capital budget that has previously been submitted by the Company and approved by the Commission.

Bidding

Audit inquired about the Company's procedure regarding the bidding process that contractors go through when applying to build and/or manage a project. The Company responded that the Company *"makes every reasonable effort to secure competitive bids from multiple qualified contractors. The Company publicly advertises opportunities to bid projects and will also attempt to directly reach out to qualified contractors about bid opportunities."* PEU awards contracts to bidders *"based on the qualified contractor that submits the lowest cost bid."* The Company indicated they attempt to secure a minimum of 3 bids for each project however certain projects produce less than this minimum due to the specialized need of the project. Audit understands that there may be instances when the work that a project requires is more specialized or unique (unlike water main construction), such as software upgrades.

For review, Audit requested the bid proposals for the 2022 QCPAC projects. The Company provided a Record of Bids and Proposals for 13 projects. The Company indicated the lowest bidder was selected unless there was only one bidder on a project. However, on the W&E Salem Interconnect project (Work Order 2200453) Audit noticed 2 of the lowest bidders, American Excavation and Northeast Earth Mechanics were selected and completed work on this work order. When Audit questioned why both bidders were chosen, the Company responded with the following:

"The overall project was completed under two bids/contracts. The first was for water main improvements for which American Excavation was the low bidder and where Northeast Earth Mechanics the second low bidder. The water main improvements part of the project was awarded to and fully completed by American Excavation. The second part (bid) of the project was for pumping/treatment station improvements."

Audit noted that the work completed for both project estimates was below the bid estimates.

Review of 2022 Capital Projects

The testimony of Donald Ware on Bates page 021 outlined that most of the projects related to routine items, were necessary to provide safe drinking water, fire protection and to maintain State and Federal regulations. His testimony on Bates page 018 also mentioned that 2021 expenses in the amount of \$221,788, related to the construction of an interconnection water system in southern New Hampshire, were being submitted for recovery since the project was not used and useful in 2021.

Projects Funded with CoBank (inclusive of 2021 expenses)	\$	730,675
1 Project Identified as Interest	\$	14,100
Part of So. NH Interconnection Project Funded with DWGTF Loan	\$	493,500
Subtotal for QCPAC	\$	<u>1,238,275</u>
19 Projects Funded with Cash	\$	525,575
Part of Salem Interconnection Project Funded with DWGTF Grant	\$	<u>211,500</u>
Total 2022 Additions per DLW-1, page 4	\$	1,975,350

There were 42 Capital Projects listed on Exhibit DLW-1, page 4 of the filing, and 1 amount for the PEU capitalized short-term project interest from 8/1/2022 – 7/31/2023. Of the 43 projects listed in the filing, 19 projects as mentioned above were funded with DSRR funds. Out of the remaining 23 projects listed plus the short-term interest, only 12 were completed and reported to have been put into service during 2022 and eligible for the 2022 QCPAC calculation. The total of the 13 projects including the short-term interest was \$1,227,987.

Audit sampled 11 of the 13 projects reported as QCPAC eligible projects unitized to plant in service during 2022 totaling \$1,200,227 or 98%.

The projects reviewed consisted of a large interconnection project in southern New Hampshire, extensive main replacements in Pelham, booster pump replacements, new services, new hydrants, new meters, replacement of gate valves, and an arsenic filtration system.

The following depicts all of the 23 Capital Projects (including the short-term interest), as per Exhibit DLW-1, page 4, of the filing:

<u>Project Name/Description</u>		<u>Work Order #</u>	<u>Final Project Cost as of 12/31/22</u>	<u>Property Tax Expense</u>
1	W&E Treatment Improvements	n/a	\$ -	\$ -
2	W&E Water Main Improvements	2200453	\$ 471,847	\$ 11,834
3	Routine Investment in Developer Services 1x Annual Revenue	Routine	\$ 55,163	\$ 1,363
4	Gage Hill Main Replacement - Vassar Drive	2207843 & 1702834	\$ 239,832	\$ 5,514
5	Gage Hill Main Replacement - Wellesley Drive	2207844	\$ 214,062	\$ 4,921
6	Gage Hill Main Replacement - Radcliffe Drive	2207845	\$ 102,311	\$ 2,352
7	Gage Hill Main Replacement - Bridge Street	2207847	\$ 22,402	\$ 515
8	Locke Lake Well Pump Replacement	2206575	\$ 21,023	\$ 564
9	2302 West Side Rd Meter Pit Replacement	2203887	\$ -	\$ -
10	Booster Pump replacement/rebuild	Routine	\$ 3,870	\$ 96
11	Well Pump replacements	Routine	\$ 8,058	\$ 199
12	Chemical Feed pump replacements	Routine	\$ -	\$ -
13	Install/replace treatment systems in small CWS (supplemental Arsenic treatment systems)	n/a	\$ -	\$ -
14	Pioneer Park Arsenic Filtration system	2300449	\$ 16,244	\$ 371
15	Misc. Structural Improvements	n/a	\$ -	\$ -
16	Miscellaneous Fencing and Security projects	n/a	\$ -	\$ -
17	Miscellaneous SCADA/Electrical	n/a	\$ -	\$ -
18	Well Rehabilitation	n/a	\$ -	\$ -
19	Replace PLC @ W&E CWS	n/a	\$ -	\$ -
20	Install web based communication equipment, 4 locations	n/a	\$ -	\$ -
21	Radios (220)	Routine	\$ 13,660	\$ 338
22	New meters for new customers (220). Replacement of failed meters (80)	Routine	\$ 45,414	\$ 1,122
23	Meters 5/8" -6" Lead Meter Exchange - PEU (400)	Routine	\$ -	\$ -
24	CoBank Fixed Asset Line of Credit	n/a	\$ 14,100	\$ -
TOTAL			\$ 1,227,987	\$ 29,189

The chart below represents the 11 projects that Audit sampled:

	<u>Project Name/Description</u>	<u>Work Order #</u>	<u>Final Project Cost as of 12/31/22</u>
1	W&E Water Main Improvements	2200453	\$ 471,847
2	Routine Investment in Developer Services 1x Annual Revenue	Routine	\$ 55,163
3	Gage Hill Main Replacement - Vassar Drive	2207843 & 1702834	\$ 239,832
4	Gage Hill Main Replacement - Wellesley Drive	2207844	\$ 214,062
5	Gage Hill Main Replacement - Radcliffe Drive	2207845	\$ 102,311
6	Gage Hill Main Replacement - Bridge Street	2207847	\$ 22,402
7	Locke Lake Well Pump Replacement	2206575	\$ 21,023
8	Booster Pump replacement/rebuild	Routine	\$ 3,870
9	Well Pump replacements	Routine	\$ 8,058
10	Pioneer Park Arsenic Filtration system	2300449	\$ 16,244
11	New meters for new customers (220). Replacement of failed meters (80)	Routine	\$ 45,414
	TOTAL		\$ 1,200,227

Overhead Rates

The Company's overhead rates are input into a system called Cityworks. The system entered overhead rates are then automatically calculated and posted to the general ledger, at the same time that the work orders are posted to the general ledger, at the end of the month.

Audit requested the overhead rates that were in effect during the 2022 test year for labor, general construction, and engineering. The Company responded with the following statement:

“Non-Union labor may be applied to some, not all routine capital projects. The rate used January-March 2022 was 71.49%, while the rate used April-December 2022 was 73.06% which is after the annual benefit analysis. Routine work orders also have a general workorder overhead of 2% applied as well.

Non-Union labor may be applied to some, not all special capital projects. The rate used January-March 2022 was 55.05%, while the rate used April-December 2022 was and that rate was 54.20% which is after the annual benefit analysis.”

The general overhead rate is calculated on the total job cost, including the union labor rate as described above, and by an analysis of the employee benefits which is reviewed/revised annually as part of the budget process. Audit verified the overhead rates to the work order detail reports of each project reviewed.

Detailed testing of the inputs used for how overhead rates are calculated was not reviewed as part of the 2022 QCPAC audit work.

Fixed Asset Line of Credit (FALOC)

FALOC was booked to account 232100 Fixed Asset Line of Credit that had a year ending credit balance of \$833,225.70. The Company projects the short-term interest on the CoBank FALOC will be \$14,100 and will be booked to account 427200. This interest amount was a representation of interest from 8/1/2022 - 7/31/2023. According to the Company *“The final*

amount of interest due on the CoBank FALOC will not be known until the long term financing is completed and the CoBank FALOC is paid off. The \$14,100 reflects an estimate of how much interest will have accrued on FALOC debt until it is paid off". Audit notes that since the loan has yet to close, the projected interest could not be verified to the general ledger. As of 12/31/22, account 427200 has an ending credit balance of \$16,333.67.

Audit requested the actual interest details for the 2021 QCPAC DW 22-005 amount of \$11,591.42 such as an amortization schedule. The Company provided the 2021 general ledger of the actual interest paid and indicated interest rates fluctuated throughout the year. The interest from paid from 9/29/21 – 7/31/22 totaled \$16,368.94.

Continuing Property Records

The Company submitted the Continuing Property Records (CPR), detailing the capitalized date, disposition date, cost of removal, gross book value, depreciation expense, accumulated depreciation, and net book value. The Company also provided a 2022 Dispositions report. The general ledger for the Construction Work in Process-Contractor Clearing account (CWIP, 105222), Accumulated Depreciation account (108000), the Accumulated Depreciation-Cost of Removal account (108001), and the specific plant in service accounts (301000 – 348000) were also provided. Audit reviewed the general ledger entries confirming the final project costs credit the CWIP account and debit the appropriate plant in service account.

Audit verified the reported cost total of \$1,753,562 on the CPR, and the projected interest on the FALOC of \$14,100 to Exhibit DLW -1, page 4. Included within the \$1,753,562 is a total cost of removal of \$154,728.32. The CPR correctly lists that total within account 108001, which reflected that figure as the net change for 2022. Utilities that have rates set using "rate base" rather than the QCPAC mechanism, deduct the cost of removal from the book cost. For the Pennichuck East and Pennichuck Water utilities, the QCPAC is a mechanism designed to ensure sufficient cash-flow coverage for debt service, related increase in property taxes, and payment of cost of removal.

\$ 1,612,304.00	Total per CPR records
\$ 14,100.00	FALOC to be booked to 427200
\$ 113,134.24	Work order 220455/Not a physical asset
\$ 21,023.24	Work order 2206575/Not a physical asset
\$ (6,998.46)	Not included in line for Vassar Dr./ Gage Hill
\$ (0.43)	Rounding Variance per Company
\$ 1,753,562.59	Subtotal per QCPAC Ex. DLW-1, pg. 4 and CPR
\$ 221,788.00	2021 W&E Interconnect Expenses
\$ (525,575.00)	Cash accounts booked to 131395
\$ (211,500.00)	DWGTF Grant
\$ 1,238,275.59	December 31, 2022 Plant in Service

The "non-physical" assets the Company further explained consisted of an immaterial \$0.43 variance and charges booked to CWIP GL Account 105444 that are not yet deemed used and useful. The Company noted work order 2206575 in the amount \$21,023.24 was booked to 105222 and stated *"once the project becomes used and useful it will credit the contractor*

*clearing account and debit the fixed asset account(s)”. However, according to Exhibit DLW-1, page 4 this work order and full amount is being requested for QCPAC recovery. **AUDIT ISSUE #1** The filing also stated that “1 of 3 well pumps replaced in 2022. Remaining 2 pumps will not be installed until 2023. Supply Chain issues”.*

The amount listed for Vassar Drive/Gage Hill totaling \$(6,998.46) is discussed further in in the 2022 Addition section of this report and was for surveying costs from Doucet Survey, Inc.

Retirements

The CPR indicated there was \$92.64 in retirements during 2022 that related to \$45,413.83 meters placed in service. In previous audits the Company has stated that assets shown as retired within the CPR are retirements of assets capitalized in the year of review, in this instance 2022. They further clarified that assets were capitalized in previous years but retired in the year of review and recorded quarterly.

The Company provided disposition records which showed \$259,632.22 in retirements with a \$4.48 immaterial difference to the GL Accumulated Depreciation Account 108000 of \$259,636.70. The Company offered an explanation to the immaterial 4.48 difference as follows:

“The \$4.48 difference between dispositions report and the amount in general ledger 108000 is a reclass that was completed in January 2022. The additional reclass journal entry as well as the October entry that was not included in the initial request as it did not have any meters retired for that entry.”

Audit verified the appropriate debits were booked to account 108000 and offsetting credits were booked to various accounts such as 307100 Wells & Springs, 311200 Electric Pumping Equipment, 311210 Pumping Equipment: Pumps, 311220 Pumping Equipment: Meters, 311230 Pumping Equipment – Chemical Pumps, 334000 Meters, and 341000 Radios. Audit also verified the overall retirement figure of \$259,632 to the 2022 PEU Annual Report Schedule F-8 (Utility Plant in Service).

Cost of Removal

The Company booked a net \$154,728.32 to their 2022 general ledger account 108001 Accumulated Depreciation-Cost of Removal. The CPR records provided by the Company confirms this amount. The Company books the cost of removal charges by debiting the 108001 Accumulated Depreciation account and crediting the appropriate plant in service account.

Audit sampled a well pump cost of removal journal entry from August 1, 2022. The Company debited the Accumulated Depreciation-Cost of Removal account for \$644.17 and credited the 307210 Well Pumping & Piping account for the same amount.

Tax Rate Calculation

The February 14, 2023 filing by the Company reported the QCPAC eligible property tax expense of \$39,433, as per Exhibit DLW-1. All the projects reviewed by Audit were listed in the municipalities of Atkinson, Barnstead, Bow, Conway, Londonderry, Pelham, Weare and

Windham. The “various” tax rate used in the filing consisted of the municipalities mentioned previously plus Chester, Derry, Exeter, Hooksett, Lee, Litchfield, Middleton, Plaistow, Raymond, Sandown and Tilton.

Audit requested the supporting schedule used to determine the QCPAC eligible property tax expense listed in the filing, as well as copies of the town property tax bills for each of the towns where the projects occurred. The Company provided the requested documentation including a schedule showing the tax rate calculation and the “various tax rate” calculation. The Company uses a tax rate calculated from the average of tax rates from the 19 towns they service. Audit confirmed the towns used in the “various tax rate” calculation were the same municipalities listed in Schedule A-6 of their 2022 Annual report. Audit verified the tax rates in the filing to both the tax invoices submitted and to the NH Department of Revenue 2022 Tax Rates. The rates listed in the filing were correct with the exception of the tax rate listed for the town of Atkinson. PEU listed the tax rate as \$22.84 in the filing and in the “various tax rate” calculation, however this incorrect. The tax invoices indicated the rate should be \$17.86 (which is inclusive of the \$6.60 State utility tax rate.). PEU listed the tax rate as \$22.84 which is 4.98 difference. PEU listed the various tax rate as \$24.71, whereas it should have been calculated as \$22.57 due to the incorrect rate for Atkinson. **AUDIT ISSUE #2** Using the corrected Atkinson rate for all the projects where “various tax rate” was included on the filing, resulted in an overall property tax expense of \$38,099 or a variance of \$1,098.

Depreciation

PEU submitted to Audit, detailed information for the selected additions to utility plant. This information indicated a total depreciation charge of \$ \$17,592.60 from total selected additions of \$1,753,562. This figure represents a ½-year depreciation charge for 2022 in accordance with utility accounting standards. Audit recalculated the annual depreciation expense, verifying the use of the half-year convention for new additions in 2022. The depreciation rates were verified to the accumulated depreciation amount provided by the Company.

The Company spent \$457.99 on depreciating seven assets booked to Miscellaneous Deferred Debits account numbers 186xxx. As of January 1, 2022 per Order 26-586 the Company does not need to seek approval to amortize these amounts, further the settlement agreement reached in DW 20-156 indicated:

Therefore, the Settling Parties agree to recommend the Commission determine that, effective January 1, 2022, the Company shall re-prioritize its usage of funds available in its DSRR-0.1 account in the following manner, by order of priority: (1) fund the cost of PEU’s deferred assets (i.e. studies, engineering design work completed in advance of construction bids and construction, and other intangible assets) that do not qualify for debt financing and, thus, for QCPAC recovery, 2) replenish PEU’s RSF fund balances to their fully approved imprest values; and 3) fund PEU’s capital improvements, as previously authorized in DW 17-128

Review of 2022 Additions

1. W&E Water Main Improvements/Interconnection to Southern NH Regional Water Sys. W/O 2200453, \$693,635

The estimated cost of the W&E Water Main Improvements for 2022 was \$489,000 with the 2022 actual costs summing to \$471,847. The 2021 costs summed to \$221,788 those costs were not reviewed. The total overall project costs were \$693,635. According to testimony of Donald L. Ware on Bates page 018 of the QCPAC filing, the W&E project was funded in 2021 and 2022, *“in the form of a \$211,500 grant and a loan of \$493,500 loan for 25 years at an interest rate of 1.57%.”* This loan was approved in Docket No. DW 22-013, Order No. 26,641 (June 15, 2022)”. The total amount of financing approved under the State Drinking Water and Ground Water Trust Fund (“DWGTF”) was \$705,000, however the total expenses for this project per Exhibit DLW-1, page 4 of the filing totaled \$693,635 indicating a variance of \$11,365 between what was anticipated would be spent and the actual spent **AUDIT ISSUE #3**. Audit notes that the property taxes for this project totaled \$11,834 which, coincidentally when added to the 2022 project costs of \$471,847 and 2021 project costs of \$211,788 total \$705,469.00 which is \$469 more than the anticipated overall project costs. Since the overall costs of this project totaled \$693,635 and the total financing was approved in the amount of \$705,000, it is unclear if the remaining part of the loan was used for projects not related to the W&E Interconnect project **AUDIT ISSUE #3**.

Furthermore, in the DWGTF financing petition, testimony from Larry D. Goodhue at Bates page 15 stated that in the event the project totals were less than the loan amount, *“the loan funds will not be fully drawn (whereas, the grant funds will be drawn down in totality)”*

Audit questioned to what account the grant funds were booked and the offsetting entry and received the following information:

Debit 141400 A/R Miscellaneous \$211,500
Credit 105444 CWIP: Contractor Clearing – Other \$211,000

The Company also noted that the entry was the grant accrual and that they received the *“actual grant in April 2023 in the amount of \$208,109.76”*. When Audit questioned the status of the remaining part of the grant in the amount of \$3,390.24, and where the actual grant proceeds were posted they advised the following:

“The Company just recently requested (6/30/2023) final reimbursement for 100% of the grant and 100% of the loan. Payment from the NHDES is anticipated in August 2023. The recording of the grant was not an actual journal entry, this was a cash transaction.”

They also provided the following journal entry information regarding where the actual grant and loan proceeds were posted:

Debit 23100 Accounts Payable \$693,699.20
Credit 141400 A/R Miscellaneous \$208,109.76
Credit 221035 LTD: DWTF – W&E Salem Interconnect \$485,589.44

Debit 131140 Cash \$693,699.20

Credit 23100 Accounts Payable \$693,699.20

Audit found a Contributions in Aid of Construction (CIAC) account in PEU's 2022 detailed general ledger entitled "CIAC: W&E" account number 271370, that appears to have been created for the grant, however the account had no transactions during 2022. The account only has a credit balance \$32,805. It is unclear why the grant proceeds were not posted to a CIAC account. **AUDIT ISSUE #4** It is also unclear to Audit for what the remaining loan amount received will be used since the total expenditures for this project for 2022 were \$11,365 less than anticipated.

In Donald Ware's testimony he further stated that the project was not used and useful by 12/31/2021 and was not sought for recovery in the 2022 QCPAC, DW 22-005.

Audit sampled 13 invoices totaling \$201,896.30 from the following contractors:

Contractor	Paid Amount	Transaction Date
Nashua Lumber Company, Inc.	\$ 4,050.00	2/28/2022
B&S Locksmiths, Inc.	\$ 340.00	3/31/2022
M&M Electrical Supply Co., Inc.	\$ 943.65	3/31/2022
Mobile Mini	\$ 222.13	4/30/2022
Northeast Earth Mechanics	\$ 48,150.00	4/30/2022
Northeast Earth Mechanics	\$ 20,338.57	5/31/2022
Ripaldi Construction Services	\$ 1,954.00	4/30/2022
American Excavating Corp	\$ 35,846.00	5/31/2022
American Excavating Corp	\$ 67,177.50	8/31/2022
American Excavating Corp	\$ 9,000.00	8/31/2022
Eng & Is Overhead	\$ 13,713.61	5/31/2022
Mark Filion	\$ 43.96	5/31/2022
Casey Harding	\$ 116.88	12/31/2022
	\$ 201,896.30	

Invoices included double door units with ADA compliant sills, deadbolts and keylocks, electrical switches and switch plates, mobile storage units at the job site. The invoice for Ripaldi Construction Services included the framing and cutting down of the new doors purchased to fit the existing frame of the project site along with disposal of the old doors. There were 2 invoices that were for employee reimbursement. An invoice for Mark Filion totaling \$43.96 was reimbursement for a temporary lock and latch guard and for Casey Harding reimbursement for public notice publishing.

The largest invoice Northeast Earth Mechanics submitted was \$48,150 recorded as realized costs and \$5,350 recorded as retainage. Work included paint and painting costs, purchase of a chlorine analyzer and controller, rate of flow control valve, and installation of a new filter system and piping. Their second largest invoice totaling \$20,338.57 included \$18,304.71 in realized costs and \$2,033.86 as retainage. The work included installation of a chemical feed system and piping, along with analyzers and controllers associated with the piping, and delivering and mounting an electric unit heater.

Audit tested 3 invoices from American Excavating Corp. The first invoice totaled \$35,846 and included \$32,261.40 in realized costs and \$3,584.60 in retainage. Costs included material costs like zinc coated water mains, gate vales, mobilization and demobilization and maintenance of traffic. The second invoice totaled \$67,177.50 with \$60,459.75 in realized costs and \$6,717.75 in retainage. Costs included gate valves, machine placed permanent trench patches, loam and seed and traffic maintenance. The third invoice totaled \$9,000 with \$8,100 in realized costs and \$900 in retainage. Costs were for HDPE service tubing and charges for a police officer with cruiser. Police invoices indicating dates of police work detail were also included for support.

Audit also reviewed an Engineering and Information System Overhead (Eng & Is) calculation for \$13,713.61 and verified they were using the correct overhead rates.

Below are summarized project costs from the Work Order Detail Reports provided by the Company:

WORK ORDER 2200453	
	TOTAL INVOICE
Eng & Is Overhead	\$ 44,098
Mobile Mini	\$ 1,329
Tri-Sales, Inc.	\$ 857
Nashua Lumber Company, Inc.	\$ 4,222
M & M Electrical Supply Co., Inc.	\$ 3,340
Northeast Earth Mechanics	\$ 83,242
B&S Locksmiths, Inc.	\$ 340
Ripaldi Construction Services	\$ 1,954
Mill Metals Corporation	\$ 170
American Excavating Corp.	\$ 330,661
Windham Independent News	\$ 41
R E Prescott Company Inc.	\$ 250
Casey Harding	\$ 117
Mark Filion	\$ 44
3 In. Meters, 3" Neptune Hpt Turbine Meter-Pro	\$ 1,183
	<u>\$ 471,847</u>

Audit reviewed the work order costs and any cost of removal charges, and confirmed project costs were cleared from the Construction Work in Process (CWIP) account to the following general ledger plant accounts on 11/1/22 and 12/2/22, refer to the Cost of Removal section of this report regarding the offset to accumulated depreciation:

Work Order 2200453 W&E Water Main Improvements/Interconnection to Southern NH Regional Water				
Account	Description	Gross Plant	COR	Gross Book
	108001 Accumulated Depreciation	\$ 40,587.50	\$ (40,587.50)	\$ -
	304550 Booster Stations	\$ 104,327.44	\$ -	\$ 104,327.44
	320200 Water Treatment Equipment	\$ 34,660.46	\$ (6,932.09)	\$ 27,728.37
	331102 Mains: Unknown Size	\$ 267,843.38	\$ (26,784.34)	\$ 241,059.04
	331250 Gates: 4" & Under	\$ 1,400.00	\$ (140.00)	\$ 1,260.00
	331251 Gates: 6" & Larger	\$ 14,773.00	\$ (1,477.30)	\$ 13,295.70
	333200 Renewed Services	\$ 6,215.00	\$ (621.50)	\$ 5,593.50
	334000 Metering Equipment	\$ 2,040.21	\$ (204.02)	\$ 1,836.19
		\$ 471,846.99	\$ (76,746.75)	\$ 395,100.24

2. Routine Investment in Developer Services 1x Annual Revenue W/O Various, \$55,163

The 1x Revenue line item in the filing had various work orders associated with it. Audit requested all the journal entries, invoices and material costs that amounted to the filing figure of \$55,163. The net of CIAC asset value less the refund are debited to 333250 (Dev Installed Services: Paid) and credited to account 271200, (Contributions in Aid of Const.). In response to the Pennichuck Water Works, Inc. (PWW) QCPAC audit performed concurrently with this audit, the Company provided the following information regarding the journal entries in these accounts:

Monthly debits reflecting "accrue developer installed services" to account 333250, Developer Installed Serv: Paid, with credit offsets posted to account 241300, Misc. Current Accrued Liability. The month end entries automatically reverse on the first of the following month.

Invoices and material costs included inspection services and meter costs. The portion of PEU's costs for meter service installation is posted to account 333250 (Dev Installed Services: Paid) with offsetting entries posted to account 241300 (Misc. Current Accrued Liability).

	<u>1/1/2022</u>	<u>2022 Debits</u>	<u>2022 Credits</u>	<u>12/31/2022</u>
333230	\$ 3,522,337.16	\$ 125,014.83	\$ (14,355.46)	\$ 3,632,996.53
271200	\$ (21,852,650.03)	\$ 710.17	\$ (619,686.76)	\$ (22,471,626.62)
333250	\$ 1,643,392.26	\$ 116,178.18	\$ (59,019.40)	\$ 1,700,551.04
241300	\$ (158,048.20)	\$ 816,701.80	\$ (797,765.31)	\$ (139,111.71)

As explained above, entries post to the general ledger at the end of the month, while CPR records state they are all posted on the first of the month. However due to the nature of these entries how they automatically reversed and are posted again, Audit finds no issue with this.

Work Order Various Routine Investment in Developer Services 1x Annual Revenue				
Account	Description	Gross Plant	COR	Gross Book
	333250 Developer Installed Services: Paid	\$ 55,162.97	\$ -	\$ 55,162.97
		\$ 55,162.97	\$ -	\$ 55,162.97

3. Gage Hill Main Replacement – Vassar Drive W/O 2207843 and 1702838, \$239,832

The Gage Hill main replacement was broken down to 4 projects, with the first being Vassar Drive and had \$0 budgeted. When Audit questioned why this and the 3 other projects at Gage Hill were not considered in the 2022 budget, the Company responded with the following:

“The Gage Hill project was added in the later half of 2022 when it was known that the Londonderry Water Tank, Transmission Main and Booster Station project would be delayed into 2023 to 2024. The Gage Hill Project was scheduled for 2025 when the 2022 budget was prepared. The Gage Hill Project was moved up as it fit into 2022/2023 with the delay in the Londonderry Project.”

The Vassar Drive project had 2 work order listed in the filing, 2207843 totaling \$245,863 and work order 1702838 totaling \$6,998. Work order 2207843 summarized below:

WORK ORDER 2207843	
	TOTAL INVOICE
Everett J. Prescott, Inc.	\$ 5,737.22
Engineering & Is Overhead	\$ 7,255.88
N. Granese & Sons, Inc.	\$ 202,892.00
Imtek Reprographics Inc	\$ 70.27
Concord Winwater Company Corp	\$ 29,907.95
	<u>\$ 245,863.32</u>

Audit notes that all the work orders for the Gage Hill project were more than the filing amounts listed in Exhibit DLW-1, page 4. The Company responded with the following:

“Some items on these work orders were determined as not used and useful at the end of the year by the project manager. There was inventory purchased by the project manager which was not installed by the contractor until early 2023. These costs will be brought into the next QCPAC filing along with the 2023 carryover costs.” (underline added)

Audit is unsure of what type of inventory was needed to complete this project and if it had any effect on the asset being used and useful by the end of 2022. **AUDIT ISSUE #5**

Audit sampled 6 invoices from this work order. The largest invoice totaled \$154,301 from N. Granese & Sons, Inc. Costs included preconstruction video and documentation, boulder excavation and disposal, ductile iron mains, PVC water mains, gate valves and a machine placed temporary trench patch. Work was performed from 11/1/2022 to 11/23/22. The second invoices from N. Granese & Sons, Inc. totaled \$48,591 and included PVC water mains, 4” bends, traffic control, curb stops, HDPE service tubing, and gate valves. Work was performed from 12/1/22 to 12/31/22.

There were 2 invoices from Concord Winwater Company, the first totaling \$17,557.66 and the second totaling \$11,965.73. Both invoices were for material costs such as gate valves, epoxy bends and PVC pipe.

Audit also reviewed an invoice for from Everett J. Prescott, Inc. that included the purchase of lead-free ball curb and lead-free ball corp CCXQUICK amounting to \$3,867.28 and an invoice from Eng & Is totaling \$5,103.81 and verified the correct overhead rates.

Audit reviewed the cost of removal charges, and confirmed the appropriate entries posted to the respective general ledger accounts on 12/1/22, refer to the Cost of Removal section of this report regarding the offset to accumulated depreciation:

Work Order 2207843 Gage Hill Main Replacement - Vassar Drive				
Account	Description	Gross Plant	COR	Gross Book
	331001 Pavement-Transmission Mains	\$ 194,875.53	\$ (19,487.55)	\$ 175,387.98
	331250 Gates: 4" & Under	\$ 14,054.76	\$ (1,405.50)	\$ 12,649.26
	333200 Renewed Services	\$ 30,902.10	\$ (3,090.20)	\$ 27,811.90
		\$ 239,832.39	\$ (23,983.25)	\$ 215,849.14

Work Order 1702834 totaling \$6,998 was verified to an invoice from Doucet Survey, Inc, dated 3/31/2017 in the amount of \$17,630. The \$6,998.46 as a hand-written allocation of the invoice, with the remainder allocated to Hillcrest Road, Buttrick Road, Valley Forge Drive and Access Road. This work order, although part of the Vassar Drive project, is not included for recovery under the QCPAC. The Company stated this *"has been capitalized to 331101-7000 as a part of the Gage Hill Systems capital improvements project in December 2022"*. Audit concurs with the exclusion based on the date of the invoice and the identification of the work order as relating to the 2017 project.

Audit also notes that surveying costs related to project 2207843 and another project at Gage Hill (Bridge Street) work order 2207847 were performed by another company, Edward N. Herbert Associates, Inc. and summed to \$3,500. Please see the Gage Hill - Bridge Street project, Audit sample #6, for a further explanation of the charges included in the QCPAC recovery.

4. Gage Hill Main Replacement – Wellesley Drive W/O 2207844 \$214,062

Audit sampled 11 invoices from this work order. One of the largest from N. Granese & Sons, Inc. totaled \$107,998.50 and included costs such as flaggers for traffic control, ridged insulation board, gate valves, HDPE service tubing, air release assemblies, curb stops and temporary trench patches. Work was performed for this invoice from 12/1/22 to 12/31/22. A second invoice totaling \$76,900 included pre-construction video, flaggers for traffic control, boulder excavation disposal and PVC water mains. The work was performed from 11/1/22 to 11/30/22.

There were 3 invoices from Concord Winwater Company that Audit tested. All 3 invoices included material costs such as PVC pipe, enlarged curb base boxes, stainless steel rods, gate valves, brass plugs and tube stiffener.

Two invoices were sampled from Everett J. Prescott, Inc. totaling \$1,580.46 and \$1,141.78. Both invoices included costs split amount the 4 Gage Hill main replacement projects. They also both included material costs such as lead-free ball curb, lead-free ball corp CCXQUICK, and 2x3 brass nipples.

One invoice from Tri-Sales that totaled \$1,181.24 included costs for ball valve curb stops, while another invoice for Imtek Reprographics, Inc. totaling \$70.27 had administrative costs for printing and binding. Audit also sampled 2 invoices from Eng & Is totaling \$2,945.57 and \$593.10 and confirmed correct overhead rates were being used.

Work Order 2207844 is summarized below, refer to **AUDIT ISSUE #5** regarding the variance between the filing amount and the work order total:

WORK ORDER 2207844	
	TOTAL INVOICE
Everett J. Prescott, Inc.	\$ 9,638.84
Engineering & Is Overhead	\$ 6,050.05
N. Granese & Sons, Inc.	\$ 184,898.50
Imtek Reprographics Inc	\$ 70.27
Concord Winwater Company Corp	\$ 19,346.05
Tri-Sales, Inc.	\$ 1,181.24
	<u>\$ 221,184.95</u>

Audit verified the capitalized assets of \$214,062 posted to the general ledger on 12/1/22 to the following account, refer to the Cost of Removal section of this report regarding the offset to accumulated depreciation:

Work Order 2207844 Gage Hill Main Replacement - Wellesley Drive				
Account	Description	Gross Plant	COR	Gross Book
	331001 Pavement-Transmission Mains	\$ 176,235.76	\$ (17,623.58)	\$ 158,612.18
	331250 Gates: 4" & Under	\$ 8,171.57	\$ (817.17)	\$ 7,354.40
	333200 Renewed Services	\$ 29,654.70	\$ (2,965.50)	\$ 26,689.20
		\$ 214,062.03	\$ (21,406.25)	\$ 192,655.78

5. Gage Hill Main Replacement – Radcliffe Drive W/O 2207845, \$102,311

The work at Radcliffe Drive consisted of work identical to the other subdivision projects at Gage Hill. Audit reviewed 8 invoices. One invoice totaling \$85,682.50 was from N. Granese & Sons, Inc. The work consisted of certified traffic control flaggers, gate valves, HDPE service tubing, curb stops, and machine placed temporary trench patches.

Audit reviewed 2 invoices from Concord Winwater totaling \$7,605.88 and \$44.10. Both invoices were charges split among the Gage Hill projects. Costs included gate box lids, gate valves, PVC pipes and meter boxes. Audit also reviewed 2 invoices from Everett J. Prescott, Inc. totaling \$1,053.64 and \$93.68 which included material costs such as MJ Gaskets, lead-free ball curb and lead-free ball corp CCXQUICK.

One invoice from Tri-Sales, Inc. amounting to \$1,771.86 include split costs with the Wellesley Drive project and included material costs such as joint ford ball valve curb stops and joint ford ball corporation stops. Audit also reviewed an invoice from Imtek Reprographics, Inc. that was \$46.85 and was split costs for copying, card stock and binding project books. One invoice from Eng & Is was reviewed totaling \$1,217.70 and was part of the overall December 2022 overhead charges for the month for multiple work orders/projects.

Work Order 2207845 is summarized below, refer to **AUDIT ISSUE #5** regarding the variance between the filing amount and the work order total:

WORK ORDER 2207845	
	TOTAL INVOICE
Everett J. Prescott, Inc.	\$ 4,348.26
Engineering & Is Overhead	\$ 2,030.31
N. Granese & Sons, Inc.	\$ 87,332.50
Imtek Reprographics Inc	\$ 46.85
Concord Winwater Company Corp	\$ 7,977.22
Tri-Sales, Inc.	\$ 1,771.86
	<u>\$ 103,507.00</u>

Audit confirmed the appropriate entries posted on 12/1/22 to the following general ledger accounts, refer to the Cost of Removal section of this report regarding the offset to accumulated depreciation:

Work Order 2207845 Gage Hill Main Replacement - Radcliffe Drive				
Account	Description	Gross Plant	COR	Gross Book
	331001 Pavement-Transmission Mains	\$ 80,083.66	\$ (8,008.37)	\$ 72,075.29
	331250 Gates: 4" & Under	\$ 5,787.64	\$ (578.77)	\$ 5,208.87
	333200 Renewed Services	\$ 16,439.51	\$ (1,643.95)	\$ 14,795.56
		\$ 102,310.81	\$ (10,231.09)	\$ 92,079.72

6. Gage Hill Main Replacement – Bridge Street W/O 2207847, \$22,402

Audit reviewed 8 invoices for the Bridge Street project at Gage Hill. One invoice from N. Granese & Sons, Inc. totaled \$12,618 and consisted of preconstruction video of the job site, PVC water mains, gate valves, ductile iron water mains and temporary trench patches. Work was performed from 11/1/22 to 11/30/22.

An invoice from Edward N. Herbert Associates, Inc. was reviewed totaling \$3,500. The invoice dated 11/21/2022 specified this charge was a 50% deposit toward an expedited survey of a right of way for the Bridge Street project, Vassar Drive and Short Road in Pelham. The total anticipated cost was \$7,000. Audit noted the full \$3,500 was charged to this work order instead of allocated among all 4 Gage Hill projects. Audit notes that the Vassar Drive project 1702834, Audit sample #3, also had surveying costs of \$6,998.46. Those expenses are not being included for recovery, based on the 2017 work order.

Audit also reviewed 3 invoices from Everett J. Prescott, Inc. totaling \$393.50, \$206.45 and \$141.17. Costs for materials included brass plugs, lead-free brass elbows, MJ gaskets, and ball corp CCXQuick. Audit also reviewed 2 invoices from Concord Winwater totaling \$1,313.76 and \$2,775.36. All invoices were allocated among the Gage Hill projects. Material costs included items such as epoxy coated caps, gate box tops, PVC pipes and stainless-steel rods. Audit reviewed 1 invoice for Eng & Is totaling \$1,087.46 and was part of the overall November 2022 overhead charges for the month for multiple work orders/projects.

Work Order 2207847 is summarized below, refer to **AUDIT ISSUE #5** regarding the variance between the filing amount and the work order total:

WORK ORDER 2207847	
	TOTAL INVOICE
Everett J. Prescott, Inc.	\$ 1,708.99
Engineering & Is Overhead	\$ 2,172.90
N. Granese & Sons, Inc.	\$ 12,618.00
Imtek Reprographics Inc	\$ 46.85
Concord Winwater Company Corp	\$ 4,133.22
Edward N. Herbert Associates, Inc.	\$ 3,500.00
2 In. Brass Plug, 2" Ip	\$ 27.80
4 In. Ductile Iron, Cap, Mj	\$ 189.15
	<u>\$ 24,396.91</u>

Audit reviewed when the appropriate entries were posted to the general ledger. The CPR records show one entry mislabeled as "Vassar Drive" in GL account 331250, however the entry is posted correctly to the general ledger and labeled correctly as "Bridge Street Main" on 12/1/22, refer to the Cost of Removal section of this report regarding the offset to accumulated depreciation:

Work Order 2207847 Gage Hill Main Replacement - Bridge Street				
Account	Description	Gross Plant	COR	Gross Book
	331001 Pavement-Transmission Mains	\$ 15,374.78	\$ (1,537.48)	\$ 13,837.30
	331250 Gates: 4" & Under	\$ 7,027.38	\$ (702.75)	\$ 6,324.63
		\$ 22,402.16	\$ (2,240.23)	\$ 20,161.93

7. Locke Lake Well Pump Replacement W/O 2206575, \$21,023

This project was reviewed even though in the CPR portion of this report it was discovered the project was not used and useful in 2022 and should therefore be removed from the 2022 QCPAC recovery. Refer to **Audit Issue #1**. Audit reviewed 4 invoices for this project, with the largest being an invoice from Smith Pump, Inc. totaling \$16,696.38. Charges included the installation of a submersible pump with pipe, wire and necessary fittings and materials used such as galvanized pipe and check valves. This project had an original budget of \$0. When Audit questioned the Company what lead to unexpected costs, the Company responded that the costs were necessary due to "*unanticipated pump failure that had to be completed in order to meet system demand*".

Two invoices for M&M Electrical totaled \$3,457.50 and \$15.92 and included material costs such as a ventilated transformer, amp and electrical clips. Audit reviewed 1 invoice for Grainger, Inc. that amounted to \$251.66 and was for a power distribution block and shipping costs.

8. and 9. Booster Pump Replacements, \$3,870 and Well Pump Replacements \$8,058, W/O various

These projects were both funded partially with debt and with cash. When Audit asked the Company how they determined what would be paid with debt and how much with 01. DSRR funds the Company responded that they opted to use cash toward “*shorter lived capital projects*”. They further stated that when the final 0.1 DSRR funds were more than anticipated they:

“applied that additional cash against the booster pump replacement line funding by taking the \$34,726 in project expenditures and dividing the funding of that expenditure between 0.1 DSRR funding and debt.....Had I noticed that I had split the Well pump replacement funding already I would have used \$8,058 of the remaining \$30,856 available 0.1 DSRR cash to fully fund the well replacement work with 0.1 DSRR funds. The remaining \$22,798 of 0.1 Cash would have been used to fund the Booster pump replacement project resulting in that project funding being funded with \$22,798 in 0.1 DSRR cash and \$11,928 in debt. The result, regarding the amount of debt financing required was the same but would have resulted in only one project with split funding versus two.”

The breakdown of these projects resulted in the following split funding between debt and 0.1 DSRR funds per filing exhibit DLW-1, pg. 4:

Booster Pump Replacements

\$30,856 - 0.1 DSRR funds

\$3,870 - Debt

\$34,726 – Total

Well Pump Replacements

\$46,432 – 0.1 DSRR funds

\$8,058 – Debt

\$54,490 – Total

Audit reviewed all 12 work orders for booster pump replacements which consisted of direct charges from either Chase Electric Motors, LLC or RE Prescott Company, Inc. and overhead charges that were consistent with the overhead rates in place at that time and summed to the filing amount of \$34,726.

Audit also reviewed all 7 work orders for well pump replacements. All invoices included varying direct charges from Smith Pump, Inc. and overhead charges with appropriate rates calculated and supported the overall filing figure of \$54,490.

Audit notes that the split between 0.1 DSRR funds and debt was not tested.

Audit found the corresponding general ledger entries for Booster Pumps were posted on 1/31/22, 2/28/22, 3/31/22, 4/30/22, 5/31/22, 6/30/22, 9/30/22, 10/31/22 and 12/31/22 to the account below. Well pumps were posted on 3/31/22, 5/31/22 and 8/31/22 to the account below. Audit found with both booster pumps and well pumps that the general ledger entries’ dates were not the same as the CPR records. The CPR records indicate these entries as posting on the first of the month whereas the general ledger shows they posted on the last day of the month. Per

previous audits, the Company explained the difference is due to the fixed asset system interfacing with the general ledger system, defaulting to the first of the month as the CPR “posting” date. Refer to the Cost of Removal section of this report regarding the offset to accumulated depreciation:

Work Order Various Booster Pump Replacements				
Account	Description	Gross Plant	COR	Gross Book
	311210 Pumping Equipment: Pumps	\$ 34,726.28	\$ (779.23)	\$ 33,947.05
		\$ 34,726.28	\$ (779.23)	\$ 33,947.05

Work Order Various Well Pump Replacements				
Account	Description	Gross Plant	COR	Gross Book
	307210 Well Pumping & Piping	\$ 54,490.20	\$ (5,449.03)	\$ 49,041.17
		\$ 54,490.20	\$ (5,449.03)	\$ 49,041.17

10. Pioneer Park Arsenic Filtration System, W/O 2300449, \$16,244

This project originally had a 2022 budget of \$0 for the year. When Audit questioned what caused the \$16,244 in project costs the Company responded “*Arsenic filtration media had to be installed due to the raw water concentration from the well exceeding the NHDES standard of 5 parts per billion*”.

This project consisted of only 2 invoices. The first was from Scherbon Consolidated, Inc. and totaled \$10,900. Work included a 120-gallon fiberglass resin media vessel (it was noted on the invoice they were re-using a “backwashing head from Castle Reach PS – Media supplied by Pennichuck”), PVC pipe, miscellaneous fittings, labor for 2 men at 24 hours, relocating a wall-mounted electrical heater, performing testing of new equipment. The invoice also noted 2 items added by Pennichuck which included changing the media vessel head style and adding a bronze PRV valve and sample tap.

The second invoice for this project was from RE Prescott Company, Inc. and totaled \$5,344.43. Charges were for material items such as MetSorb absorbent media, and pallets of gravel. Audit found the charges appropriate for the work completed.

Audit confirmed the proper general ledger entry was posted to its respective account on 12/1/22:

Work Order 2300449 Pioneer Park Arsenic Filtration System				
Account	Description	Gross Plant	COR	Gross Book
	320200 Water Treatment Equipment	\$ 16,244.43	\$ -	\$ 16,244.43
		\$ 16,244.43	\$ -	\$ 16,244.43

11. New Meters for new customers (220)/Replacement of failed meters (80) W/O various, \$45,414.00

The Company submitted 198 work orders for meter replacements. Most work orders included part charges for Neptune Meters. Out of 198 work orders Audit only found 1 work order that consisted of direct charges from Tri-Sales (work order 2202216). There were 2 direct

charges or invoices charge by Tri-Sales, with each invoice totaling \$857.47. One invoice dated 2/22/22 was for a Neptune Tricon E3 Transmitter that had an output signal for 1 1/2" HP turbine meter. The second invoice dated 3/22/22 was for a Neptune Tricon E3 Transmitter that had an output signal for 2" HP compound meter. All work orders for meters included overhead charges that were appropriate with the rates in place at that time. Work orders ranged in varying costs from \$101.95 to \$5,064.10.

Audit confirmed the appropriate general ledger entry was posted to the account listed below on the last day of each month, refer to the Cost of Removal section of this report regarding the offset to accumulated depreciation:

Work Order Various Meters				
Account	Description	Gross Plant	COR	Gross Book
	334000 Metering Equipment	\$ 45,413.83	\$ (4,541.45)	\$ 40,872.38
		\$ 45,413.83	\$ (4,541.45)	\$ 40,872.38

Revenues

Due to the timing of the of the 2019 QCPAC recovery in DW 20-156 the recovery rate was re-set to zero percent per Commission Order 26,508 issued on August 16, 2021. This resulted in 0% being charged on customer invoices from January 2022 through April 2022.

From May 2022 through December 2022, the 2020 QCPAC recovery rate was 4.02% per Commission Order 26,608 in DW 21-022 approved on 2/18/22. Audit verified that the rate differences were correctly calculated on commercial, municipal, and residential customers for specific bills sampled from February 2022 and December 2022.

The recoupment of the 2021 QCPAC began January 2023 at the rate of 0.94% per Order 26,767.

Summary

The Company submitted 43 projects totaling \$1,975,350 and an initial tax impact of \$39,433. Out of the 43 projects, 13 were reported eligible for the QCPAC totaling \$1,227,987 which is inclusive of short-term interest. Audit reviewed 11 of the 13 projects eligible for the QCPAC totaling \$1,200,227. After reviewing the material submitted, it appears that only 11 projects were used, useful and in service by the end of December 2022, plus the short-term interest for a total of 12 eligible projects.

Additionally, there are Audit Issues following, which address projects that should be excluded from the filing and certain accounting or calculation items that may impact the filing.

Audit Issue #1
Work Order 2206575 – Locke Lake Well Pump Replacement

Background

The Company has included work order 2206575 in the amount of \$21,023 for the 2022 QCPAC recovery.

Issue

Although this work order is listed as a used and useful qualified capital project, the notes in the filing on Exhibit DLW 1, page 4 line 9 state that the project will not be completed until 2023. Audit noted that this work-order is not included in the CPR as of 12/31/2022 and verified this project is still outstanding in the CWIP, therefore is not qualified for inclusion in the QCPAC calculation.

Recommendation

The QCPAC recovery amount of \$1,238,275 should be reduced by \$21,023 to account for a project that was not used and useful in 2022.

Company Response

The company agrees with audit recommendation to reduce the QCPAC recovery by \$21,023.

Audit Conclusion

Audit concurs with the Company's response.

Audit Issue #2

Property Tax Rate Calculation

Background

The Company uses an average of tax rates to calculate the “various” tax rate for projects involving multiple towns/cities.

Issue

The Company miscalculated the property tax rate for the Town of Atkinson which resulted in an error in calculating the “various tax rate” for projects performed in multiple municipalities. The error resulted in an overstatement of the property taxes by \$1,098.

Recommendation

The Company must ensure the correct property tax rates are used in the filing and when calculating an average in the various tax calculation. Audit recommends the variance amount of \$1,098 be excluded from the QCPAC calculation.

Company Response

The Company agrees and will make the change to the Town of Atkinsons property tax rate.

Audit Conclusion

Audit concurs with the Company’s response to correct the property tax rate for the Town of Atkinson and that the filing should be reduced by the property tax variance of \$1,098.

Audit Issue #3
Project Costs related to the New Hampshire Drinking Water and Groundwater Trust
Fund (DWGTF) Loan and Grant

Background

PEU was approved for financing of a \$211,500 grant and a loan of \$493,500 for 25 years at an interest rate of 1.57%, specifically for the W&E – Town of Salem Interconnection Project. The total amount of the approved financing per Docket No. DW 22-013, Order No. 26,641 dated June 15, 2022, was \$705,000.

Issue

Per Exhibit DLW-1, page 4 of the 2023 QCPAC filing, the total 2021 costs for the W&E project were \$211,788 while the total for 2022 costs were \$471,847, for a total overall project cost of \$693,635. The project total expenses were \$11,365 less than anticipated. Per testimony of Larry D. Goodhue in the financing Docket DW 22-013, Bates page 15 the following was stated in relation to the total expenses for the W&E project:

“In the event that the aggregate value of the loan and grant fund amounts (in the aggregate \$705,000) authorized by NHDES is not sufficient to completely fund the cost of the Project, the balance, if any, will be funded from a PEU’s Fixed Asset Line of Credit (FALOC), which will be included along with the loan portion of this funding from the DWGTF in the Company’s annual QCPAC filing for 2022 projects. Conversely, to the extent that the overall cost of the Project does not require PEU to access all of the approved and available loan funds under this financing, the loan funds will not be fully drawn (whereas the grant funds will be drawn down in totality).”

PEU is seeking recovery of the full portion of the DWGTF loan of \$493,000 when the project expenses (after the grant portion of \$211,500 is applied to the total expense of \$693,635) are \$11,365 less than anticipated. Per Exhibit DLW-1, page 4 it appears the \$11,365 was allocated to other projects per the following breakdown:

Funding Source	Amount	Final Costs per filing	Difference of Final Cost vs. Funding Source	Description
DWGTF Loan	\$ 493,500	\$ 471,847	\$ 21,653	Total 2022 W&E CAPEX project costs (exclusive of property taxes)
DWGTF Grant	\$ 211,500	\$ 221,788	\$ (10,288)	Total 2021 W&E CAPEX project costs
DSRR	\$ 525,575	\$ 525,575	\$ -	CAPEX projects funded with DSRR
Cobank	\$ 744,775	\$ 756,140	\$ (11,365)	Remaining CAPEX projects (inclusive of short term interest)
	\$ 1,975,350	\$ 1,975,350	\$ -	TOTAL CAPEX amounts per Exhibit DLW 1, pg. 4

Audit was unable to determine the total amount of the draw down however, the Company indicated that the remaining loan and grant funds were requested and would be received around August 2023. It is unclear to Audit for what the remaining funds will be used for.

Recommendation

The Company should clarify if \$11,365 of the loan or portions of the grant were used for other projects not related to the W&E Interconnect project.

Company Response

The final amount of the draw down on the loan and grant occurred in May of 2023 and was associated with the final project clean up. The work completed in 2023 and the loans required to support that work will be recovered in the 2023 QCPAC filing made in 2024. The Company will adjust the amount of the loan principal to be recovered to reflect an SRF loan amount of \$482,135 instead of \$493,500.

Audit Conclusion

Audit concurs with the Company's response that the 2022 QCPAC filing should be reduced by \$11,365 as this will be sought for recovery in the 2023 QCPAC.

Audit Issue #4
Journal Entry regarding the New Hampshire Drinking Water and Groundwater Trust
Fund (DWGTF) Grant

Background

The Company was awarded a grant in the amount of \$211,500 for the Salem W&E interconnect project. The acceptance of the grant was approved in a financing petition Docket DW 22-013 on 6/15/2022 by Order 26,641, which also authorized the Company to borrow \$493,500. The Company recorded the accrual of the grant on December 31, 2021 as follows:

Debit 141400 A/R Miscellaneous \$211,500
 Credit 105444 CWIP: Contractor Clearing – Other \$211,500

When a portion of the actual funds were received, they recorded both the grant and the loan April 30, 2023 to the following accounts:

Debit 23100 Accounts Payable \$693,699.20
 Credit 141400 A/R Miscellaneous \$208,109.76
 Credit 221035 LTD: DWTF – W&E Salem Interconnect \$485,589.44

Debit 131140 Cash \$693,699.20
 Credit 23100 Accounts Payable \$693,699.20

Issue

According to the testimony given by Larry D. Goodhue in DW 22-013 at Bates page 34, he stated the following:

“The DWGTF loan will be unsecured and the grant monies will be accepted as a CIAC contribution to the Company for this project.”

The Company did not record the grant as a CIAC contribution, rather, credited the 105222 CWIP account.

Recommendation

Audit understands that there is no net impact to the overall Company’s income statement (for depreciation and amortization purposes). However, the Company should record grant funds to appropriate plant accounts and to a CIAC account as indicated in DW 22-013, and to comply with the NH Uniform System of Accounts.

Company Response

The grant money was not received until June 2023, which is when it was recorded in the CIAC account. See the attached general ledger detail of the CWIP (105444), which is debited for the grant money and CIAC (271200), which was credited in the amount of \$208,109.76.

Audit Conclusion

Audit understands that the full amount of the grant was accrued on December 30, 2021, and that only a portion of the actual grant funds were received in April 2023 as noted in the Review of 2022 Additions portion of this report, and recorded on April 30, 2023.

It is further understood that the portion of the grant funds received in April 2023 were recorded to the CIAC account on June 1, 2023 as follows:

Debit 105444 CWIP	\$208,109.76	
Credit 271200 CIAC		\$208,109.76

Audit Issue #5
Portions of projects used and useful in 2022

Background

The Company is requesting portions of the Gage Hill projects to be recoverable under the 2022 QCPAC and the remaining costs, which the Company stated were “inventory costs”, to be recovered in the 2023 QCPAC.

Issue

Audit noted a total variance of \$23,343 between the work order totals and the filing totals relating to the Gage Hill projects:

Project Sample	Work Order	W/O \$	Filing \$	variance
#3	2207843 and 1702838	\$ 245,863 \$ 6,998	\$ 239,832	\$ 13,029
#4	2207844	\$ 221,185	\$ 214,062	\$ 7,123
#5	2207845	\$ 103,507	\$ 102,311	\$ 1,196
#6	2207847	\$ 24,397	\$ 22,402	\$ 1,995
Total		\$601,950	\$578,607	\$23,343

The Company stated the variances are inventory. It is unknown what type of inventory was needed to complete these projects and if they had any effect on the assets being used and useful by the end of 2022, that being sought for recovery under the QCPAC.

Recommendation

The Company should clarify what inventory was needed and will be included in the 2023 QCAPC and if there was any impact on the assets being used and useful in 2022.

Company Response

The \$23,343 in inventory was not released from inventory to the job until April of 2023 and as such did not show up in the 12/31/2022 W/O \$\$\$. All the inventory in question was used and placed into service prior to 12/31/2022. Whereas the inventory in question was all in service prior to 12/31/2022 the Company would like to recover its investment in this inventory based on the W/O \$\$\$ as opposed to the filing \$\$\$ as the filing \$\$\$ failed to include the inventory used due to a delay in the release of that inventory to the projects.

Audit Conclusion

Audit is unclear regarding the timing of the release of inventory in April 2023 and how it could be in service in 2022. Restated, the Company did not explain what the inventory was, so Audit cannot conclude what type of inventory was needed to complete these projects and if they had any effect on the assets being used and useful by the end of 2022. Therefore, Audit cannot determine if the proposed adjustment to the filing should be made.

ATTACHMENT C

Engineering Consulting Report – DW 23-013

Douglas W. Brogan, P.E.

October 24, 2023

MEMO REPORT

Date: October 24, 2023

From: Douglas W. Brogan, P.E.**To:** Jayson Laflamme, Asst. Director - Water Group, Regulatory Support Div., NH Dept. of Energy**Re:** DW 23-013 Pennichuck East Utility, Inc.
Petition for Approval of 2023 Qualified Capital Project Annual Adjustment Charge

I am writing this memo report as an engineering consultant to the Water Group, Regulatory Support Division to summarize my findings in the above-referenced docket. The Qualified Capital Project Annual Adjustment Charge (QCPAC) program was initially authorized for Pennichuck East Utility, Inc. (PEU or company) in DW 17-128 (Order 26,179, October 4, 2018). In the current docket PEU is seeking approval of a QCPAC surcharge for projects completed in 2022; preliminary approval of projects proposed for 2023; and has provided its capital budgets for 2024 and 2025 for informational purposes. My review is limited primarily to the engineering and operational aspects of the filing and is based on review of the filing; case discovery and subsequent updates (in particular the Exhibit DLW-1 capital expenditure schedules provided on October 5, 2023 in response to Department of Energy data request set 2); E-22 forms (Reports of Proposed Expenditures for Additions, Extensions and Capital Improvements to Fixed Capital); and associated materials.

2022 Projects

Interconnection of the 200-plus customer, stand-alone W&E system in Windham with the town of Salem water system will bring supplemental water to address increasing water quantity and quality limitations of the W&E system's existing wells. It is made possible by a recent Southern NH Regional Water Project pipeline bringing water from Manchester to Salem; a franchise transfer from PEU to Salem approved in docket DW 20-080; and grant and loan funding through the NH Drinking Water and Groundwater Trust Fund approved in DW 22-013. Work began in late fall of 2021 and became used and useful in late spring of 2022. Total cost of the project was **\$693,635**. A small amount of final project cleanup (paving, loam and seeding) will carry into 2023 and will be included in next year's QCPAC filing.

A main replacement project in the Gage Hill system in Pelham replaced over 4,000 feet of 60 year old, small diameter, thin-walled polyethylene pipe having high breakage rates, with approved PVC water main, additional valving and distribution system looping. Total cost of the project in 2022 was **\$578,607**. The work had been on the company's list of capital improvements for several years.

Deferral of the Londonderry System Improvements (below) enabled the project to be constructed and placed in service in 2022. Site and roadway restoration will carry over into 2023 and be included in next year's QCPAC filing.

Other projects included replacement of aging meters and radios, gate valves, pumps, service lines and treatment equipment. The company has affirmed that all of the included items were in service and used and useful as of December 31, 2022 (testimony of Donald L. Ware, p. 7, lines 22-23).

2023 Projects

Several of the more significant projects proposed for 2023 include:

- Final restoration at the Gage Hill project as noted above, currently budgeted at **\$700,000**.
- Replacement of the Sunrise Estates treatment/booster station and storage tanks. This aging, partially buried station with its problematic pumps, piping, groundwater, corrosion and other issues, provides the sole source of supply for this small, stand-alone system in the town of Middleton. Replacement has been on the company's radar for some time and is estimated to cost **\$500,000**.
- Londonderry System Improvements. This major project involves construction of a new 1.25 million gallon tank, booster station and connecting main to serve the proposed Woodmont Commons development. The project was the subject of a special contract with the developer approved in DW 18-101, but was delayed for several years by various local land use approval and permitting issues. The company now anticipates final approvals, bidding and awarding of contracts in 2023, with construction to follow in 2024. Current budget estimates per the company's filing are **\$600,000** in 2023 and **\$1,100,000** in 2024.

Conclusion

For 2022 projects, I would support a finding that each of the listed projects indicated as completed and in service at year end was prudent, used and useful.

For 2023, while the typical juggling of projects to balance project deferrals and funding availability is evident, the projects as proposed appear reasonable.

ATTACHMENT D

**Department of Energy Discover Requests
and PEU Responses – DW 23-013**

Pennichuck East Utility, Inc.
DW 23-013
2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 1

Date Request Received: 8/16/23
Request No. DOE 1-1

Date of Response: 8/29/2023
Witness: Donald L. Ware

REQUEST:

Re: Testimony of Donald L. Ware (Ware Testimony); Page 4 (Bates 17); Line 23 through Page 5 (Bates 18) Lines 1-6:

- a) Please provide the amounts of the Drinking Water and Groundwater Trust Fund (DWGTF) loan and grant closed earlier this year. Please also provide the closing date, finalized interest rate, and finalized repayment terms of the DWGTF loan. Please provide supporting documentation.
- b) Please describe the status of the anticipated CoBank loan. If necessary, please update Exhibit DLW-1, Page 4 – 2022 Used and Useful QCP's (Bates 32), Cells O56, B63, D63, and F63.

RESPONSE:

- a) The final amount of the DWGTF loan was \$493,500. The final amount of the DWGTF grant was \$211,500. A copy of the final payment request is attached as Exhibit DOE DR 1-1a. The loan closing occurred on February 23, 2023. The final loan terms were repayment of all principal and interest over 300 months (25 years) in equal payments beginning six months after the closing date of August 23, 2023. The rate of 1% interest per month accrued on the outstanding loan balance until July 31, 2023, which went into an allonge for the repayment of the monies lent, and a rate of 1.57% interest on the outstanding balance after July 31, 2023, pursuant to that allonge. PEU will make 300 equal monthly payments with the first interest payment on the loan payment due on February 1, 2024. Please see the attached Exhibit DR DOE 1-1b including the Promissory Note for the loan.
- b) The closing on this loan is pending CoBank's final annual internal credit review update, which is needed prior to closing. It is anticipated that this review will be completed in the next two weeks, such that the closing can be scheduled on the loan for mid-to-late September 2023.

Pennichuck East Utility, Inc.
DW 23-013

2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 1

Date Request Received: 8/16/23
Request No. DOE 1-2

Date of Response: 8/29/2023
Witness: Donald L. Ware

REQUEST:

Re: Exhibit DLW-1, Page 4 – 2022 Used and Useful QCP's (Bates 32), Line 16 – Locke Lake Well Pump Replacement-\$21,023 and Final Audit Report dated 8/2/23, Audit Issue # 1 (Page 22): Please amend Exhibit DLW-1, Page 4 – 2022 Used and Useful QCP's (Bates 32), as necessary, relative to the agreed upon adjustment identified in Audit Issue # 1.

RESPONSE:

The \$21,023 in expenses associated with the replacement of the well pumps at Locke Lake has been removed from the QCPAC eligible projects on DLW-1 Page 4, Cell K16 as agreed to in the audit. Please see the revised, attached Exhibit DLW 1-7, page 4 (Cell K16).

Pennichuck East Utility, Inc.
DW 23-013
2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 1

Date Request Received: 8/16/23
Request No. DOE 1-3

Date of Response: 8/29/2023
Witness: Donald L. Ware

REQUEST:

Re: Exhibit DLW-1; Page 4 – 2022 Used and Useful QCP's (Bates 32); Column R (Tax Rate) and Final Audit Report dated 8/2/23, Audit Issue # 2 (Pages 9 and 23):

- a) Please provide supporting calculations for the amended "Various" tax rate of \$22.57 indicated relative to Audit Issue # 2. (See Page 9 of Final Audit Report dated 8/2/23.)
- b) Please amend Exhibit DLW-1, Page 4 – 2022 Used Useful QCP's (Bates 32), Column R (Tax Rate) (as well as Pages 5 – 7 (Bates 33-35)), as necessary, to reflect the updated "Various" tax rate of \$22.57 identified relative to Audit Issue # 2.
- c) Please provide supporting documentation and calculations for the "Atkinson" tax rate of \$22.84 indicated in Cell R29.
- d) Please provide supporting documentation and calculations for the "Bow" tax rate of \$31.81 indicated in Cell R33.

RESPONSE:

- a) Please see Exhibit DOE DR 1-3a for the supporting calculations of the "Various" tax rate of \$24.70. The "Various" tax rate calculation is based on the December 2023 tax bills from each listed community.
- b) Please see the attached, revised Exhibit DLW-1, Page 4, Column R (Tax Rate), with the "Various" tax rate corrected to the calculated rate of \$24.70.
- c) Please see Exhibit DOE DR 1-3c for documentation supporting the Atkinson tax rate of \$17.86 (Dec 2023 tax rate of \$12.86 plus State tax rate of \$6.60 for a total rate of \$17.86).
- d) Please see Exhibit DOE DR 1-3d for documentation supporting the Bow tax rate of \$31.81. (Dec 2023 tax rate of \$25.21 plus State tax rate of \$6.60 for a total rate of \$31.81).

Pennichuck East Utility, Inc.
DW 23-013
2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 1

Date Request Received: 8/16/23
Request No. DOE 1-4

Date of Response: 8/29/2023
Witness: Donald L. Ware

REQUEST:

Re: Exhibit DLW-1, Page 4 – 2022 Used and Useful QCP's (Bates 32), Cells O10 – O16, O20, O25, O29, O46 – O47, O50, O54, and O56 – O58 and Final Audit Report dated 8/2/23, Audit Issue # 3 (Pages 24-25) and Audit Issue # 4 (Pages 26-27):

- a) It appears that the sum of the DWGTF financed projects (Cells O10 and O54) is \$693,635. However, the sum of the indicated DWGTF loan and grant (Cells O57 and O58) is \$705,000, for a difference of \$11,365. Please explain this difference.
- b) It appears that the sum of the CoBank financed projects (Cells O11 – O16, O20, O25, O29, O46 – O47, and O50) is \$756,139. However, the amount of the contemplated CoBank loan (Cell O56) is \$744,775, for a difference of \$11,364. Please explain this difference.
- c) Please amend Exhibit DLW-1, Page 4 – 2022 Used and Useful QCP's (Bates 32) as necessary based on Audit Issue # 4, Audit Issue # 5, and the Company's responses to (a) and (b) above.

RESPONSE:

- a) Per Exhibit DOE DR 1-1a, the final amount of the loan/grant that was applied for was \$705,000 of which \$11,365 was used to pay for the paving, loam and seeding that occurred in 2023. The total cost of the paving, loam and seeding that occurred in 2023 was \$72,620.50. (The \$76,620.50 was the amount earned for the progress payment applied for via Application 6 on 5/18/2023. This amount can be found at the bottom of Column G on the last page of the attached customers application found at the end of Exhibit DOE DR 1-1a). The difference between the final contractor request of \$72,620.50, and the final SRF loan request amount of \$11,300.80, leaves \$61,319.70 which will be funded with a loan from CoBank or via 0.1 DSRR money as part of PEU's 2024 QCPAC filing. The Company's 2023 QCPAC request in support of the full amount of the NHDES SRF loan amount of \$493,500 has been reduced on the attached, revised Exhibit DLW-1, page 4 (Cell O58) from \$493,500 to \$482,199 reflecting the portion of the loan that was used to pay for work that was not used and useful as of 12/31/2023. The Company will seek recovery of the remaining portions of the NHDES SRF loan as part of its 2024 QCPAC filing.

- b) Per the attached, revised Exhibit DLW-1, page 4, the final amount of the CoBank loan is projected to be \$781,604 and is calculated as follows:

Total PEU PP&E installed which was used and useful in 2022 (Cell O51) - \$1,779,091
 Plus Investment in W&E project in 2021 that was not used and useful until 2022 - \$ 221,788
 Total PEU PP&E that was used and useful in 2022 requiring financing - \$2,000,878
 Less the Amount of PP&E financed with DWGTF Grant - \$ 211,500
 Less the Amount of PP&E to be financed with DWGTF loan - \$ 482,199
 Less the amount of PP&E funded with 0.1 DSRP cash - \$ 562,404
 Amount of PEU 2022 PP&E to be funded with CoBank Loan - \$ 744,775

Any difference between the loan amount of \$744,775 approved in Docket No. 23-046, as calculated above, will be paid for out of 0.1 DSRP collected in 2023. There will be difference based on the date of the closing and the final amount of interest accrued on the CoBank Fixed Asset Line of Credit for work completed in 2022 through the date of the CoBank loan closing. This amount is currently projected to be \$41,228. See Exhibit DOE DR 1-4b, as well as the 1% interest accrued on the DWGTF loan through July 31, 2023 (\$19,423.58).

- c) Please see the attached, revised Exhibit DLW-1, page 4 that was amended to reflect the responses to a) and b) above.

Pennichuck East Utility, Inc.
DW 23-013
2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 1

Date Request Received: 8/16/23
Request No. DOE 1-5

Date of Response: 8/29/2023
Witness: Donald L. Ware

REQUEST:

Re: Exhibit DLW-1, Page 4 – 2022 Used and Useful QCP's (Bates 32) and Final Audit Report dated 8/2/23, Audit Issued # 5 (Page 28): The Company's response to Audit Issue # 5 states, "The \$23,343 in inventory was not released from inventory to the job until April of 2023 and as such did not show up in the 12/31/2022 W/O \$\$\$. All the inventory in question was used and placed into service prior to 12/31/2022." Please clarify the meaning of the statement, "The \$23,343 in inventory was not released from inventory to the job until April of 2023. . ." Does this pertain to the actual physical transfer of assets or the Company's accounting entries?

RESPONSE:

This pertains to the Company's physical transfer and installation of the assets. The physical assets associated with the referenced inventory were installed in 2023 and as such are not eligible to be included in the PEU 2023 QCPAC. The investment associated with these assets will be included in PEU's 2024 QCPAC.

Pennichuck East Utility, Inc.
DW 23-013
2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 1

Date Request Received: 8/16/23
Request No. DOE 1-6

Date of Response: 8/29/2023
Witness: John Boisvert

REQUEST:

Re: Exhibit DLW-1; Page 4 – 2022 Used and Useful QCP’s (Bates 32); Cells E13 – E15 and Testimony of John J. Boisvert (Boisvert Testimony); Page 9 (Bates 57), Lines 21 – 22: The workorder numbers of 2207844, 2207845, and 2207847 indicated in these cells do not appear to correspond with the workorders referenced in Mr. Boisvert’s testimony of 2307844, 2307845, and 2307847, respectively. Please reconcile and explain these differences.

RESPONSE:

Work order numbers in the testimony included a typographic error (“230” instead of “220”). The correct workorder numbers are 2207844, 2207845, and 2207847. Please see the attached Exhibits DOE DR 1-6 – Direct Testimony of John Boisvert, redline and clean versions showing the updated Page 9 of the testimony with the errors corrected.

Pennichuck East Utility, Inc.
DW 23-013
2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 1

Date Request Received: 8/16/23
Request No. DOE 1-7

Date of Response: 8/29/2023
Witness: Donald L. Ware

REQUEST:

Re: Exhibit DLW-1; Page 5 – Projected 2023 QCPAC Capital Expenditures (Bates 33);
Cell S9: Please provide supporting documentation and calculations for the “Middleton” tax rate of \$31.72 indicated in Cell S9.

RESPONSE:

Please see attached Exhibit DOE DR 1-7 for documentation supporting the Middleton tax rate of \$31.72. (Dec 2023 tax rate of \$25.12 plus State tax rate of \$6.60 for a total rate of \$31.72).

Pennichuck East Utility, Inc.
DW 23-013
2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 1

Date Request Received: 8/16/23
Request No. DOE 1-8

Date of Response: 8/29/2023
Witness: Donald L. Ware

REQUEST:

Re: Petition, Bates page 6, section (b):

The Company's petition indicates that the anticipated Long-term loan from CoBank would be used to pay off debt incurred with the completed 2022 capital expenditures, inclusive of interest incurred on the FALOC, "or interest incurred at 1% during construction, on the DWGTF funds."

Relative to DWGTF loans in general, please explain further how the interest incurred on these loans during construction of the associated capital asset is accounted for when that asset is completed, used and useful, and the DWGTF loan is closed and enters the repayment phase.

RESPONSE:

The 1% interest rate on funds drawn is accrued as follows:

Debit Interest Expense (Acct 427300)
Credit Interest Accrual (Acct 237110)

The Company will be billed by NHDES (per the loan agreement attached as Exhibit DOE DR 1-1b) for the interest accrued on this project, during construction at a rate of 1% for the used amount of the loan through July 31, 2023. Beginning on July 31, 2023, the interest incurred on the loan is accrued at a rate of 1.57% (the fixed rate for the repayment term of the loan). The total amount of 1% interest accrued from the beginning of the loan through July 31, 2023 is \$19,423.58, which will be capitalized against the project costs. The \$19,423.58 in accrued interest costs will be included in the final CoBank borrowing amount of \$744,775 (See Exhibit DLW-1, Pg 4, Cell O57).

Pennichuck East Utility, Inc.
DW 23-013
2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 1

Date Request Received: 8/16/23
Request No. DOE 1-9

Date of Response: 8/29/2023
Witness: Donald L. Ware

REQUEST:

Re: Petition, Bates page 9

The Company requested a modification of the reporting requirements. Would the Company be willing to consider mirroring the agreed upon resolution, from the DW 23-015 PWW QCPAC Docket, concerning a similar request to modify those required reporting schedules?

RESPONSE:

Yes.

Pennichuck East Utility, Inc.
DW 23-013
2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 1

Date Request Received: 8/16/23
Request No. DOE 1-10

Date of Response: 8/29/2023
Witness: John Boisvert

REQUEST:

Re: Boisvert testimony; Page 11 (Bates 59), Lines 4 - 9:

Mr. Boisvert's testimony indicates the remaining Gage Hill site/roadway restoration and Route 38 main relocation will be completed in 2023 for approximately \$700,000. In this regard please indicate:

- a) The current status of the work.
- b) The length and nature of the main relocation.
- c) Whether the relocation was anticipated as part of the original project or is an addition to the project.
- d) If the latter (addition to the project), any updated totals for number of feet of main replaced or added in the overall project.

RESPONSE:

- a) The Company has received bids for pavement restoration. The Company is in the process of awarding the paving contract to the lowest, responsible bidder for \$323,398. This work is included in the \$700,000 budget along with the Route 38 main relocation.
- b) The water main relocation project would relocate an existing water service to a single lot located on Route 38 that is served off of Vassar Drive through their neighbor's property. This will extend the water main approximately 200 linear feet along Route 38. (See the response to DOE DR 1-10c below) The Company abandoned the extension because there was no readily available and feasible location for the new "relocated" water main within the NHDOT right-of-way under the timeframe for completion of this project/contract. This effort has been deferred by the Company.
- c) The relocation was not anticipated as part of the original project.
- d) There are none.

Pennichuck East Utility, Inc.
DW 23-013
2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 1

Date Request Received: 8/16/23
Request No. DOE 1-11

Date of Response: 8/29/2023
Witness: John Boisvert

REQUEST:

Re: Boisvert testimony; Page 16 (Bates 64), Lines 12 - 22 and Exhibit DLW-1; Page 5 - Projected 2023 QCPAC Capital Expenditures (Bates 33); Cell L8 and Page 6 - Projected 2024 QCPAC Capital Expenditures (Bates 34); Cell K20:

- a) Please indicate the current status of each of the three components of the Londonderry System Improvements (storage tank, booster station, transmission main).
- b) Mr. Boisvert's testimony at p. 16 (Bates 64), lines 21-22 indicates an anticipated company investment of \$1,600,000 in the project, whereas the Exhibit DLW-1 figures indicate expenditures of \$600,000 (2023) and \$1,100,000 (2024) plus monies spent to date. Please provide an update on anticipated project costs.

RESPONSE:

a) The storage tank was bid, and the lowest qualified bidder was identified. The Company is waiting on final approval and sign off by the Planning Board site plan documents before the project can be awarded. The Company is also waiting on final Planning Board sign off on the booster station and the transmission main before those two projects can be bid. The Company expects signatures on the respective plans by the Planning Board in the month of August. Therefore, the Company plans to bid the booster station and the transmission main in either September or October. All construction will start and be completed in 2024.

b) The Company anticipates bid prices to come in higher than originally budgeted. The low bid for the storage tank was just over \$2.5 million (with the next lowest bidder at just over \$3.1 million). The Company's original budget estimate was approximately \$1.3 million for this project. The Company anticipates that bids for the booster station and the transmission main will be higher than budgeted as well. The Company suggests that each of those phases be bid out and the results be reported in the QCPAC update at the end of 2023.

Pennichuck East Utility, Inc.
DW 23-013
2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 1

Date Request Received: 8/16/23
Request No. DOE 1-12

Date of Response: 8/29/2023
Witness: John Boisvert

REQUEST:

Re: Boisvert testimony; Page 11 (Bates 59), Lines 20 - 22 and Page 14 (Bates 62), Lines 1 - 2:

Please indicate the current status of the Sunrise Estates booster station and tank replacement project, including the extent to which the company now anticipates completion in 2023.

RESPONSE:

This project is currently under construction. All systems associated with the project are anticipated to be in service on or about December 1, 2023. There may be minimal carry over work into 2024 including final loam, seeding and other site restoration.

Pennichuck East Utility, Inc.
DW 23-013
2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 1

Date Request Received: 8/16/23
Request No. DOE 1-13

Date of Response: 8/29/2023
Witness: John Boisvert

REQUEST:

Re: Boisvert testimony; Page 7 (Bates 55), Line 14 through Page 8 (Bates 56), Line 8:

The company's 2020 annual report indicates a little over five miles of zinc-coated ductile iron pipe exist in the PEU systems. Please indicate the following in this regard:

- a) When did the company first begin using zinc-coated ductile iron pipe?
- b) Please confirm the company now uses this type of pipe in most or all cases where ductile iron main is installed.
- c) What is the cost differential of zinc-coated vs. 'regular' ductile iron pipe?
- d) Please discuss generally the costs and benefits of zinc coating vs polyethylene encasement for corrosion protection.
- e) Does the company have any experience using both methods of protection together (zinc coating and poly encasement) to enhance service life? Please explain.

RESPONSE:

- a) The Company first being utilizing zinc-coated ductile iron pipe in 2018.
- b) Zinc coated ductile iron pipe is the Company's standard. There are times when regular ductile iron may be used/allowed if zinc coated ductile iron is not available, as was the case during COVID-19 when supply chains were strained. As of today, zinc coated ductile iron pipe supplies have returned to being readily available.
- c) Zinc coated ductile iron pipe costs about 5% to 10% over the material cost of regular ductile iron pipe.
- d) Zinc coating further protects the pipe from external corrosion. There is an estimated 35% increase in the life expectancy of zinc coated ductile iron over traditional non-zinc coated ductile iron pipe. Polyethylene encasement slows down the installation of water mains, adding labor and equipment costs to the projects. Polyethylene encasement is also difficult to install and achieve the quality standard recommended by the ductile iron manufacturers. It is difficult to ensure that the polyethylene encasement is installed hole free/gap free around valves, fittings, and service connections. The gaps therefore leave potential segments or spots of the pipe exposed to the environment that can concentrate corrosion at a single location. The factory applied zinc coating ensures corrosion

protection over the entire pipe. Zinc coated pipe is also less expensive to install than polyethylene encasement.

e) No.

RECIPIENT		LOAN/GRANT DISBURSEMENT			
Recipient Pennichuck East Utility, Inc. Representative Name: Mark Fillion Mailing Address: 25 Walnut Street - PO Box 428 Nashua, NH 03061-0428 Loan Award Amount: \$493,500.00 Grant Award Amount: \$211,500.00 Total DWGTF Award: \$705,000.00		DWGT Project Number: DWGT- 91 Disbursement Request Number: 2 Type of Request: <input checked="" type="checkbox"/> Partial Period Covered by this Request: From: 1/1/2023 To: 6/30/2023			
CLASSIFICATION	TOTAL PROJECT	DWGT ELIGIBLE	PREV REQUESTS		THIS REQUEST
Administrative Costs	\$ 40,000.00	\$ 37,168.24	\$ 37,168.24	\$ -	-
Pre-construction Costs	\$ 35,000.00	\$ 36,774.74	\$ 36,774.74	\$ -	-
Land and Easements	\$ -	\$ -	\$ -	\$ -	-
Construction	\$ 443,000.00	\$ 437,790.38	\$ 426,489.58	\$ 11,300.80	
Construction Administration	\$ 40,000.00	\$ 44,097.58	\$ 44,097.58	\$ -	-
Equipment	\$ 30,000.00	\$ 32,169.06	\$ 32,169.06	\$ -	-
Miscellaneous Costs	\$ -	\$ -	\$ -	\$ -	-
Other (MSDC Fees)	\$ 117,000.00	\$ 117,000.00	\$ 117,000.00	\$ -	-
Totals	\$ 705,000.00	\$ 705,000.00	\$ 693,699.20	\$ 11,300.80	
Percent of Loan/Grant Disbursed Previously:				98.40%	
Total Percent of Loan/Grant Disbursed (including this request)		100.00%	of	\$705,000.00	(loan/grant amount)
I certify to the best of my knowledge and belief that the project costs incurred, as indicated above, are in accordance with the provisions of New Hampshire Revised Statute Annotated (RSA) 485-F and the loan/grant agreement for the project. The disbursement requested represents the DWGT share due which has not been previously requested. A thorough owner's inspection has been performed and all work for which a disbursement is being requested has been performed satisfactorily.					
LOAN/GRANT RECIPIENT					
Signature of Authorized Representative: <i>Mark Fillion</i>					
Typed or Printed Name and Title: Mark Fillion, Construction Services Manager					
Date: June 26, 2023					
NHDES DISBURSEMENT APPROVAL					
Signature:					
Title: Administrator, Drinking Water and Groundwater Trust Fund					
Date:					

NHDES DRINKING WATER AND GROUNDWATER TRUST FUND DISBURSEMENT REQUEST

Docket No. DW 23-013



25 Walnut Street
 Nashua, NH 03061

Sheet 1

PROJECT: W&E- Town of Salem Interconnection Project, Windham, NH
 REQUEST # 2 - FINAL
 DATE June 26, 2023
 SUBMITTED BY: Mark Filion

REQUEST				LOAN CLASSIFICATION BREAKDOWN							
VENDOR & DESCRIPTION	INVOICE DATE	TOTAL AMOUNT	RETAINAGE AMOUNT	ADMIN	PRECONST	LAND& ESMT	CONSTR	EQUIP.	PROJECT INSPECT	CONSTR ADMIN	MISC./ OTHER
American Excavation REQ 6 : Water Main Construction	6/20/2023	\$11,300.80	\$0.00				\$11,300.80				
TOTAL FOR THIS PERIOD		\$11,300.80	\$0.00	\$0.00	\$0.00	\$0.00	\$11,300.80	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL FOR DR 1		\$693,699.20	\$9,005.96	\$37,168.24	\$36,774.74	\$0.00	\$426,489.58	\$32,169.06	\$0.00	\$44,097.58	\$117,000.00
TOTAL FOR DR 1-2		\$705,000.00	\$9,005.96	\$37,168.24	\$36,774.74	\$0.00	\$437,790.38	\$32,169.06	\$0.00	\$44,097.58	\$117,000.00

APPLICATION AND CERTIFICATE FOR PAYMENT

AIA DOCUMENT G702

Docket No. DW 23-013
PAGE ONE OF 1 PAGES

TO (OWNER): PROJECT:
Pennichuck East Utility, Inc. 2021 W & E Water Main Improvements
25 Manchester Street Windham, NH
Merrimack, NH 03054

APPLICATION NO: 6

DISTRIBUTION TO:

☐ OWNER
☐ ENGINEER
☐ CONTRACTOR

FROM (CONTRACTOR): VIA (ENGINEER):
American Excavating Corp. Pennichuck East Utility, Inc.
PO Box 1220 25 Manchester Street
Derry, NH 03038 Merrimack, NH 03054

PERIOD TO: 04/30/22

ENGINEER'S
PROJECT NO: 2021-04

*SPECIAL PROJECT NO:

CONTRACT FOR: Replacing Existing Water Main with 8" CL52 DIPCL

CONTRACT DATE: 05/01/2022

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for Payment, as shown below, in connection with the Contract.
Continuation Sheet, AIA Document G703, is attached.

1. ORIGINAL CONTRACT SUM	\$	343,183.00
2. Net change by Change Orders	\$	60,098.50
3. CONTRACT SUM TO DATE (Line 1+2)	\$	403,281.50
4. TOTAL COMPLETED & STORED TO DATE (Column H on G703)	\$	403,281.50
5. RETAINAGE:		
a. 2% of Completed Work	\$	8,065.63
(Column H on G703)		
b. 2% of Stored Material	\$	-
(Column on G703)		
Total Retainage (Line 5a + 5b) or Total in Column K of G703)	\$	8,065.63
6. TOTAL EARNED LESS RETAINAGE (Line 4 less Line 5 Total)	\$	395,215.87
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)	\$	324,047.78
8. CURRENT PAYMENT DUE	\$	71,168.09
9. BALANCE TO FINISH, PLUS RETAINAGE (Line 3 less Line 6)	\$	8,065.63

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR:

By: Alfred T. Lannan Date: 6-20-23
Alfred T. Lannan, President

State of: New Hampshire County of: Rockingham

Subscribed and sworn to before me this 20th day of June, 2023

Notary Public: Dawn A. Kipperman

My Commission expires:

DAWN A. KIPPERMAN
Notary Public - New Hampshire
My Commission Expires Oct 13, 2026

ENGINEER'S CERTIFICATE FOR PAYMENT

In accordance with the contract Documents, based on on-site observations and the data comprising the above application, the Engineer certifies to the owner that to the best of the Engineer's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED.....\$ 71,168.09

(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)

ENGINEER:

By: Mark Filion Date: 06/22/2023

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total change orders approved in previous months by Owner	\$ 7,975.00	\$ -
Total approved this Month	\$ 52,123.50	\$ -
TOTALS	\$ 60,098.50	\$ -
NET CHANGES by Change Order	\$	60,098.50

Progress Estimate

Contractor's Application

Contractor: AMERICAN EXCAVATING CORP.

Contract: 2021 W & E Water Main Improvements

Application Number: 6

Period To: 04/30/23

Application Date: 05/18/23

A				B	C	D	E	F	G	H	I	J	K
Item				Contract Value	Quantity Previous Estimates	Quantity This Estimate	Total Quantity To Date	Earned Previous Estimates	Earned This Estimate	Total Earned To Date	% (F/B)	Balance to Finish (B-F)	2% Retainage
Bid Item No.	Description	Bid Qty	U/M										
BASE BID:													
1-1-04	4" CL52 DIPCL Zinc Coated Water Main	400	LF	\$ 112.50	\$ 45,000.00	400.00	400.00	\$ 45,000.00	\$ -	\$ 45,000.00	100%	\$ -	\$ 900.00
1-1-06	6" CL52 DIPCL Zinc Coated Water Main	80	LF	\$ 85.00	\$ 6,800.00	150.00	150.00	\$ 12,750.00	\$ -	\$ 12,750.00	188%	\$ (5,950.00)	\$ 255.00
1-1-08	8" CL52 DIPCL Zinc Coated Water Main	775	LF	\$ 92.00	\$ 71,300.00	748.00	748.00	\$ 68,816.00	\$ -	\$ 68,816.00	97%	\$ 2,484.00	\$ 1,376.32
2-1-04	4" MJ DI Bend	6	EA	\$ 780.00	\$ 4,680.00	5.00	5.00	\$ 3,900.00	\$ -	\$ 3,900.00	83%	\$ 780.00	\$ 78.00
2-1-06	6" MJ DI Bend	1	EA	\$ 720.00	\$ 720.00	-	-	\$ -	\$ -	\$ -	0%	\$ 720.00	\$ -
2-1-08	8" MJ DI Bend	13	EA	\$ 1,000.00	\$ 13,000.00	7.00	7.00	\$ 7,000.00	\$ -	\$ 7,000.00	54%	\$ 6,000.00	\$ 140.00
2-2-06	6" MJ DI Solid Sleeve	1	EA	\$ 580.00	\$ 580.00	-	-	\$ -	\$ -	\$ -	0%	\$ 580.00	\$ -
2-2-08	8" MJ DI Solid Sleeve	3	EA	\$ 670.00	\$ 2,010.00	3.00	3.00	\$ 2,010.00	\$ -	\$ 2,010.00	100%	\$ -	\$ 40.20
2-3-03	3" MJ DI Coupling	1	EA	\$ 1,800.00	\$ 1,800.00	2.00	2.00	\$ 3,600.00	\$ -	\$ 3,600.00	200%	\$ (1,800.00)	\$ 72.00
2-3-04	4" MJ DI Coupling	1	EA	\$ 1,280.00	\$ 1,280.00	3.00	3.00	\$ 3,840.00	\$ -	\$ 3,840.00	300%	\$ (2,560.00)	\$ 76.80
2-4-06x03	6" x 3" MJ DI Reducer	1	EA	\$ 700.00	\$ 700.00	1.00	1.00	\$ 700.00	\$ -	\$ 700.00	100%	\$ -	\$ 14.00
2-4-06x04	6" x 4" MJ DI Reducer	1	EA	\$ 590.00	\$ 590.00	2.00	2.00	\$ 1,180.00	\$ -	\$ 1,180.00	200%	\$ (590.00)	\$ 23.60
2-5-06x04	6" x 6" x 4" Tee	1	EA	\$ 960.00	\$ 960.00	1.00	1.00	\$ 960.00	\$ -	\$ 960.00	100%	\$ -	\$ 19.20
2-5-08x06	8" x 6" MJ DI Tee	1	EA	\$ 3,550.00	\$ 3,550.00	1.00	1.00	\$ 3,550.00	\$ -	\$ 3,550.00	100%	\$ -	\$ 71.00
2-5-08x08	8" x 8" MJ DI Tee	1	EA	\$ 4,350.00	\$ 4,350.00	1.00	1.00	\$ 4,350.00	\$ -	\$ 4,350.00	100%	\$ -	\$ 87.00
2-7-04	4" Foster Adaptor	1	EA	\$ 475.00	\$ 475.00	1.00	1.00	\$ 475.00	\$ -	\$ 475.00	100%	\$ -	\$ 9.50
3-1-04	4" MJ DI Gate Valve	3	EA	\$ 1,400.00	\$ 4,200.00	1.00	1.00	\$ 1,400.00	\$ -	\$ 1,400.00	33%	\$ 2,800.00	\$ 28.00
3-1-06	6" MJ DI Gate Valve	3	EA	\$ 1,591.00	\$ 4,773.00	3.00	3.00	\$ 4,773.00	\$ -	\$ 4,773.00	100%	\$ -	\$ 95.46
3-1-08	8" MJ DI Gate Valve	4	EA	\$ 2,000.00	\$ 8,000.00	5.00	5.00	\$ 10,000.00	\$ -	\$ 10,000.00	125%	\$ (2,000.00)	\$ 200.00
4-2-2	1.5" HDPE Service Tubing	35	LF	\$ 120.00	\$ 4,200.00	35.00	35.00	\$ 4,200.00	\$ -	\$ 4,200.00	100%	\$ -	\$ 84.00
4-3-1.5	1.5" Curb Stop	2	EA	\$ 535.00	\$ 1,070.00	1.00	1.00	\$ 535.00	\$ -	\$ 535.00	50%	\$ 535.00	\$ 10.70
4-4-1.5	1.5" Corporation Stop	2	EA	\$ 460.00	\$ 920.00	1.00	1.00	\$ 460.00	\$ -	\$ 460.00	50%	\$ 460.00	\$ 9.20
4-5-7-04x1.5	4" x 1.5" Tapping Saddle	2	EA	\$ 1,020.00	\$ 2,040.00	1.00	1.00	\$ 1,020.00	\$ -	\$ 1,020.00	50%	\$ 1,020.00	\$ 20.40
6-1-2	Processed Gravel	1,200	LF	\$ 6.60	\$ 7,920.00	1,200.00	1,200.00	\$ 7,920.00	\$ -	\$ 7,920.00	100%	\$ -	\$ 158.40
6-1-4	Machine Placed Permanent Trench Patch	1,200	LF	\$ 33.00	\$ 39,600.00	1,280.00	1,280.00	\$ 42,240.00	\$ -	\$ 42,240.00	107%	\$ (2,640.00)	\$ 844.80
6-1-6	Machine Placed Bituminous Surface Course	3,500	SY	\$ 12.50	\$ 43,750.00	-	3,658.00	\$ -	\$ 45,725.00	\$ 45,725.00	105%	\$ (1,975.00)	\$ 914.50
6-1-11	Crushed Gravel for Shoulder Leveling	1,015	LF	\$ 13.00	\$ 13,195.00	-	590.00	\$ -	\$ 7,670.00	\$ 7,670.00	58%	\$ 5,525.00	\$ 153.40
6-3-1	Trench Ledge Excavation and Disposal	25	CY	\$ 250.00	\$ 6,250.00	91.95	91.95	\$ 22,987.50	\$ -	\$ 22,987.50	368%	\$ (16,737.50)	\$ 459.75
6-3-2	Boulder Excavation and Disposal	25	CY	\$ 250.00	\$ 6,250.00	70.40	70.40	\$ 17,600.00	\$ -	\$ 17,600.00	282%	\$ (11,350.00)	\$ 352.00
6-5-4	Loam and Seed	375	LF	\$ 34.00	\$ 12,750.00	375.00	507.00	\$ 12,750.00	\$ 17,238.00	\$ 29,988.00	235%	\$ (17,238.00)	\$ 599.76
7-1-2	Mobilization and Demobilization	1	LS	\$ 2,190.00	\$ 2,190.00	1.00	1.00	\$ 2,190.00	\$ -	\$ 2,190.00	100%	\$ -	\$ 43.80
7-5-1-1	Maintenance of Traffic	1	LS	\$ 15,000.00	\$ 15,000.00	1.00	1.00	\$ 15,000.00	\$ -	\$ 15,000.00	100%	\$ -	\$ 300.00
7-5-1-2	Police Officer with Cruiser (ALLOWANCE)	64	HR	\$ 75.00	\$ 4,800.00	160.50	26.50	\$ 12,037.50	\$ 1,987.50	\$ 14,025.00	292%	\$ (9,225.00)	\$ 280.50
7-5-1-4	Certified Flagger	160	HR	\$ 53.00	\$ 8,480.00	178.151	178.151	\$ 9,442.00	\$ -	\$ 9,442.00	111%	\$ (962.00)	\$ 188.84
TOTAL BASE BID					\$ 343,183.00			\$ 322,686.00	\$ 72,620.50	\$ 395,306.50	115%	\$ (52,123.50)	\$ 7,906.13
CHANGE ORDERS:													
1	TEST PITS	110	CY	\$ 72.50	\$ 7,975.00	110.00	110.00	\$ 7,975.00	\$ -	\$ 7,975.00	100%	\$ -	\$ 159.50
2	BALANCING CHANGE ORDER	1	LS		\$ 52,123.50	-	-	\$ -	\$ -	\$ -	100%	\$ 52,123.50	\$ -
TOTAL CHANGE ORDERS					\$ 60,098.50			\$ 7,975.00	\$ -	\$ 7,975.00	0%	\$ 52,123.50	\$ 159.50
TOTAL ALL					\$ 403,281.50			\$ 330,661.00	\$ 72,620.50	\$ 403,281.50	100%	\$ Page 078	\$ 8,065.63

EXHIBIT C
PROMISSORY NOTE

\$493,500
(DWGT-91)

Concord, New Hampshire
February 23, 2023

FOR VALUE RECEIVED, Pennichuck East Utility, Inc., a New Hampshire corporation with a principal place of business at 25 Walnut Street, P.O. Box 428, Nashua, New Hampshire 03061-0428 (the "Maker"), promises to pay to the State of New Hampshire with an address of c/o Department of Environmental Services, 29 Hazen Drive, P.O. Box 95, Concord, New Hampshire 03302-0095, or its order (the "Payee"), **the sum of Four Hundred Ninety-Three Thousand Five Hundred Dollars (\$493,500)** or such lesser amount as shall be disbursed from time to time to Borrower by State pursuant to a Loan Agreement of near or even date by and between Borrower and State (the "Loan Agreement"), in lawful money of the United States, together with interest thereon at the **annual rate of one percent (1%) until July 31, 2023 ("Interest Rate Change Date")** and **commencing on the Interest Rate Change Date at the annual rate of 1.57%** (the interest rate at any given time, the "Applicable Interest Rate") until paid in full as set forth herein. Capitalized terms used but not defined herein have the meaning given to them in the Loan Agreement.

1. Payments. The interest and principal of this Note shall be paid as follows:

(a) Commencing on the first day of the sixth month after the Interest Rate Change Date, interest only shall be paid in six (6) consecutive monthly installments on the first day of each month.

(b) Commencing with the first day of the twelfth month after the Interest Rate Change Date, the principal and interest of the Note shall be paid in Three Hundred (300) consecutive equal monthly installments of principal and interest on the first day of each month with the installment amount calculated to amortize the principal balance of the Note over the 300 month period at the Applicable Interest Rate; provided, however, that the Maker shall have the option to elect prior to the first installment payment under paragraph 1(a) to have the interest accruing prior to the Interest Rate Change Date be capitalized and added to the principal amount of the Note rather than paid in the first installment of interest to be paid pursuant to paragraph 1(a); so long as the sum of the principal balance of the Note plus interest accruing prior to the Interest Rate Change Date (such sum being the "Capitalized Amortization Amount") shall not exceed \$493,500, and if the sum of unpaid principal plus interest accruing prior to the Interest Rate Change Date exceeds \$493,500, such excess amount of interest shall be due and payable with the first payment of interest pursuant to paragraph 1(a) above. If the Maker elects to have such interest capitalized, then the Capitalized Amortization Amount shall be paid in Three Hundred (300) consecutive equal monthly installments of principal on the first day of each month, commencing with the first day of the thirteenth month after the Interest Rate Change Date, with interest with the installments calculated to amortize the Capitalized

Amortization Amount over such 300 month Period at the Applicable Interest Rate.

2. Prepayment. The Maker shall have the right to prepay any or all sums due under this Note without penalty. Prepayments shall be applied first to accrued interest and then to principal. Partial prepayments of principal shall be applied against the outstanding principal balance; provided, however, that the Maker shall continue to make principal payments in the amounts specified above and on the dates specified above, with interest on the outstanding principal balance recomputed accordingly, until the Maker's obligations under this Note are satisfied in full.

3. Due Date; Late Payment. All payments of principal and interest shall be due on or before the due date specified above; provided, however, that the Maker shall not be deemed in default hereunder if payment is received by the Payee on or before 4:00 p.m. of the seventh day following the due date. The Maker agrees to pay a late charge of five percent (5%) of the amount of any payment due under this Note that is not paid within seven (7) days of its due date.

4. Applicable Interest. The Maker expressly agrees that the Applicable Interest Rate specified in this Note shall be the applicable interest rate due (i) on amounts outstanding during the term hereof and (ii) with respect to any amount outstanding on and after the maturity date hereof.

5. Default; Acceleration. The Maker shall be in default of this Note, and all principal and accrued interest thereon shall immediately become due and payable, without notice or demand, upon the occurrence of any of the following events: (a) failure to make prompt payment of any principal or interest installment due hereunder (or within such grace period as may be provided herein), (b) the failure of the Maker to observe or perform any of the other obligations to the Payee under this Note, and the same remains unremedied for a period of thirty (30) days after the date of notice thereof to the Maker by the Payee, (c) the occurrence of an Event of Default under the Loan Agreement or a default under the Guaranty of even date of Pennichuck Corporation (the "Guaranty") or (d) a default in any other obligation of the Maker to the Payee, whether now existing or hereinafter incurred.

If the Maker shall file a petition under any section of the Bankruptcy Code, shall make an assignment for the benefit of creditors, shall have a receiver appointed over its affairs who shall not be discharged within sixty (60) days from the date of appointment, or shall have filed against it a petition under a section of the Bankruptcy Code, or any debtor-creditor act, which petition shall not be dismissed within sixty (60) days of the date of filing of the same, then the balance of principal and interest remaining unpaid on this Note shall become due and payable forthwith without demand or notice.

6. Costs of Collection. If this Note is not paid in full when it becomes due, or if any

payment required hereunder shall not be paid when due, or within such grace period as may be expressly provided herein, the Maker agrees to pay all costs and expenses of collection, including attorneys' fees, regardless of whether legal proceedings have been formally commenced.

7. Waiver of Presentment. The Maker hereby waives presentment, demand for payment, notice of dishonor, and all other notices or demands in connection with the delivery, acceptance, performance, default, or endorsement of this Note.

8. Non-Forfeiture of Rights. It is agreed and understood that the waiver by the Payee of any particular default in the terms of this Note shall not constitute waiver of any further default and that acceptance of any payment after it is due shall not be deemed a waiver of the right to require prompt payment when due on all other sums and that acceptance of any payment after default shall not cure said default or operate as a waiver of any rights of the Payee hereunder unless otherwise agreed in writing.

9. Payments, Notices. All payments due under this Note, and any notice required to be made hereunder shall be directed to the Payee or to the Maker, as the case may be, at the addresses above specified, or such other address as the Payee and the Maker may hereafter direct, in writing.

10. Binding on Successors, Etc. The obligation of this Note shall be binding upon the heirs, successors and assigns of the Maker herein and shall inure to the benefit of the successors or assigns of the Payee herein or any holder hereof. Notwithstanding the preceding sentence, the Maker shall not assign this Note without the prior written consent of the Payee.

11. Gender. Whenever the content so requires, reference herein to the neuter gender shall include the masculine and/or feminine gender, and the singular number shall include the plural.

12. References. All references herein to the Loan Agreement and the Guaranty shall be construed to refer to such instruments as they may be amended from time to time.

13. Governing Law. The Note has been made in the State of New Hampshire, and the provisions hereof shall be governed by and construed in accordance with the laws of the State of New Hampshire (excluding the laws applicable to conflicts or choice of laws).

14. Jurisdiction. The Maker hereby consents to the jurisdiction of all state and local courts of the State of New Hampshire and the United States District Court of the District of New Hampshire in connection with any suit to enforce any rights of the Payee under this Note.

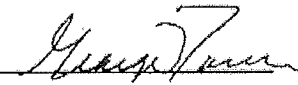
15. Guaranty. The Maker's obligations hereunder are guaranteed pursuant to the


Guaranty.

16. Sovereign Immunity. Nothing contained in this Note, the Loan Agreement, or any guaranty guarantying this Note shall be deemed to constitute a waiver of the sovereign immunity of the Payee, which immunity is hereby reserved to the Payee.

EXECUTED as of the day and year first above written.

PENNICHUCK EAST UTILITY, INC.


Witness

By: 
Larry D. Goodhue
Chief Executive Officer

Pennichuck East Utilities, Inc.
DW 23-013
Exhibit DOE DR 1-3a
8/28/2023

2022 QCPAC Various Tax Rate

Community	# of customers	Tax Rate (1)	Customer Count x Tax Rate
Atkinson	10	\$ 17.86	\$ 178.60
Barnstead	898	\$ 26.82	\$ 24,084.36
Bow	129	\$ 31.81	\$ 4,103.49
Chester	33	\$ 26.62	\$ 878.46
Conway	217	\$ 23.23	\$ 5,040.91
Derry	245	\$ 24.62	\$ 6,031.90
Exeter	52	\$ 29.90	\$ 1,554.80
Hooksett	101	\$ 29.26	\$ 2,955.26
Lee	34	\$ 27.21	\$ 925.14
Litchfield	2514	\$ 24.40	\$ 61,341.60
Londonderry	2421	\$ 23.90	\$ 57,861.90
Middleton	86	\$ 31.72	\$ 2,727.92
Pelham	620	\$ 22.99	\$ 14,253.80
Plaistow	21	\$ 24.40	\$ 512.40
Raymond	387	\$ 23.72	\$ 9,179.64
Sandown	11	\$ 33.45	\$ 367.95
Tilton	67	\$ 24.02	\$ 1,609.34
Weare	27	\$ 22.91	\$ 618.57
Windham	733	\$ 25.08	\$ 18,383.64
	8606		\$ 212,609.68
Customer Weighted PEU Various Tax Rate -			\$ 24.70

- 1) Tax rate includes \$6.60 per \$1000 Statewide Utility Tax
and is based on December 2023 Tax bill from each community

Remit To		2022 ATKINSON, NH PROPERTY TAX -- BILL 2 OF 2			
TOWN OF ATKINSON, NH TAX COLLECTOR PO BOX 1206 ATKINSON, NH 03811		PENNICHUCK EAST UTILITY			
		Map	Lot	Sub	Net Value
		000001	000023	000000	\$ 141,800
		Property Location			Acres
		UTILITIES - WATER			0.000
8% APR Charged After 12/29/2022		Invoice			
Ck's payable to Atkinson Tax Collector add phone and map lot sub lot #s on your Ck call for up to date int for any other amounts due @ bottom of bill		Summary of Taxes			
		Total Tax: \$ 1,597.00 - 1st Bill: \$ 609.00 - Abated/Paid: \$ 0.00 - Vet. Credits: \$ 0.00			
Billed To		Billing Date			
PENNICHUCK EAST UTILITY 25 WALNUT STREET P.O. BOX 428 NASHUA, NH 03061		11/15/2022			
		Payment Due Date			
		12/29/2022			
		Amount Due:			
		Amount Enclosed:			
		\$ 988.00			

Please return top copy with your payment.

Tax Collector Office Hours		2022 ATKINSON, NH PROPERTY TAX -- BILL 2 OF 2			
TOWN OF ATKINSON, NH Jan-May 31 M-T-TH 5P-8P W 9A-1P&5P-8P F 9A-12 June 1-Dec 31 M 5P-8P T-W-TH 9A-3P F CLOSED (603) 362-5357 Tax Collector: DEBRA L. DESIMONE Ck's payable to Atkinson Tax Collector add phone and map lot sub lot #s on your Ck call for up to date int for any other amounts due @ bottom of bill		PENNICHUCK EAST UTILITY			
		Map	Lot	Sub	Pg-Line
		000001	000023	000000	0348-03
		Property Location			Acres
		UTILITIES - WATER			0.000
Tax Rates		Assessments			
County:	\$ 0.67	Taxable Land:	0		
School:	\$ 8.35	Buildings:	141,800		
Town:	\$ 2.24	Total:	141,800		
Invoice		Summary Of Taxes			
2022P02034803		Total Tax: \$ 1,597.00			
Billing Date		- 1st Bill: \$ 609.00			
11/15/2022		- Abated/Paid: \$ 0.00			
Payment Due Date		- Vet. Credits: \$ 0.00			
12/29/2022					
Interest Rate		Amount Due:			
8% APR After 12/29/2022		\$ 988.00			

Total Tax Rate:	\$ 11.26	Net Value:	141,800
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Keep this copy for your records.

TOWN OF BOW, NH
MRIDULA NAIK - TAX COLLECTOR
10 GRANDVIEW ROAD
BOW, NH 03304
REAL ESTATE TAX BILL

PEU 2023 QCPAC Petition
 DW 23-013
 Exhibit DOE DR 1-3c1
 Page 1 of 2

HOURS
 MONDAY - FRIDAY
 7:30 AM TO 4:00 PM
 (603) 223-3980
 WWW.BOWNH.GOV

SECOND BILL

TAX YEAR	BILL NUMBER	BILLING DATE	INTEREST RATE	DUE DATE
2022	2022-2-199862	11/21/2022	8 %	1/10/2023
MAP/PARCEL	LOCATION OF PROPERTY			AREA
28-3-43-B-UO	STONE SLED + LEWIS LANE			0.00
OWNER OF RECORD		TAX CALCULATION		
PENNICHUCK EAST UTILITY INC PROPERTY TAX DEPT/STONE SLED 25 WALNUT ST PO BOX 428 NASHUA NH 03061-0428 2829		Municipal Tax Amount 2,406.86 School Tax Amount 5,190.42 State Tax Amount 0.00 County Tax Amount 806.73 Total Tax 8,404.00 1st Bill 4,346.00 Tax Credits 0.00		
TAX CALCULATION		ASSESSED VALUATION		
Municipal 7.220 School 15.570 State 0.000 County 2.420	Building Value 333,360 Land Value 0 Exemptions 0 Current Use 0	PAY THIS AMOUNT \$ 4,058.00		
TOTAL 25.210	NET VALUE 333,360			

INFORMATION TO TAXPAYERS

IF YOU ARE ELDERLY, DISABLED, BLIND, A VETERAN OR VETERAN'S SURVIVING SPOUSE, OR ARE UNABLE TO PAY TAXES DUE TO POVERTY OR OTHER GOOD CAUSE, YOU MAY BE ELIGIBLE FOR A TAX EXEMPTION, CREDIT, ABATEMENT OR DEFERRAL. FOR DETAILS AND APPLICATION, CONTACT THE ASSESSOR'S OFFICE (603) 223-3973 BEFORE APRIL 15TH OF EACH YEAR.

THE TAXPAYER MAY, BY MARCH 1ST FOLLOWING THE DATE OF NOTICE OF THE TAX AND NOT AFTERWARDS, APPLY IN WRITING TO THE BOARD OF ASSESSORS FOR AN ABATEMENT.

REAL ESTATE TAX PAYMENTS WILL BE APPLIED FIRST TO THE OLDEST DELINQUENT REAL ESTATE TAXES (IF ANY) FOR THE INDICATED PROPERTY UNLESS DIRECTED OTHERWISE.

TAXPAYERS DESIRING ANY INFORMATION IN REGARD TO TAXATION, OR CORRECTION OF ERRORS MUST REFER ALL INQUIRIES TO THE ASSESSOR'S OFFICE (603) 223-3973, NOT THE TAX COLLECTOR. THE TAX YEAR IS APRIL 1 - MARCH 31. TAX BILLS ARE MAILED TO THE LAST KNOWN ADDRESS AS OF APRIL 1ST.

PAYMENT POLICIES

- POST-DATED CHECKS CANNOT BE ACCEPTED, AND WILL BE RETURNED TO TAXPAYER.
- A \$25.00 FEE PLUS ALL ADDITIONAL DELINQUENCY PENALTIES AND COLLECTION COSTS WILL BE CHARGED FOR ANY CHECK RETURNED BY THE BANK FOR ANY REASON.
- PAYMENT OF THIS BILL DOES NOT PREVENT THE COLLECTION OF PREVIOUS UNPAID TAXES, NOR DOES AN ERROR IN THE NAME OF THE PERSON(S) TAXED PREVENT COLLECTION.
- IF YOU ARE NOT THE PRESENT OWNER OF THIS PROPERTY, PLEASE FORWARD TO THE PROPER OWNER. THE TAX COLLECTOR IS NOT RESPONSIBLE FOR PAYMENT ON THE WRONG TAX BILL.
- IF THIS BILL IS PAID BY CHECK OR MONEY ORDER, IT IS NOT CONSIDERED PAID UNTIL THE CHECK OR MONEY ORDER IS CLEARED BY THE BANK.
- PLEASE MAKE CHECK PAYABLE TO "TOWN OF BOW".
- WHEN PAYING IN PERSON, PLEASE BRING ENTIRE BILL.

DETACH HERE TO ENSURE PROPER CREDIT, PLEASE RETURN ENTIRE BOTTOM PORTION OF BILL DETACH HERE

Please do not staple checks

TOWN OF BOW, NH
REAL ESTATE TAX BILL

MAP/PARCEL	LOCATION OF PROPERTY	TAX YEAR	BILL NUMBER	DUE DATE
28-3-43-B-UO	STONE SLED + LEWIS LANE	2022	2022-2-199862	1/10/2023

8% APR Interest Charged After 07/01/2022 on First Bill.
 8% APR Interest Charged After 1/10/2023 on Second Bill.



PENNICHUCK EAST UTILITY INC
 PROPERTY TAX DEPT/STONE SLED
 25 WALNUT ST
 PO BOX 428
 NASHUA NH 03061-0428

PAY THIS AMOUNT

\$

4,058.00

TOWN OF BOW, NH
MRIDULA NAIK - TAX COLLECTOR
10 GRANDVIEW ROAD
BOW, NH 03304
REAL ESTATE TAX BILL

PEU 2023 QCPAC Petition
DW 23-013
Exhibit DOE BR 13d, DW 23-013
Page 2 of 2
BOW, NH 03304
HOURS
7:30 AM TO 4:00 PM
(603) 223-3980
WWW.BOWNH.GOV

SECOND BILL

TAX YEAR	BILL NUMBER	BILLING DATE	INTEREST RATE	DUE DATE
2022	2022-2-198585	11/21/2022	8 %	1/10/2023
MAP/PARCEL	LOCATION OF PROPERTY			AREA
15-3-109-UO	4 BOW CENTER ROAD			0.00
OWNER OF RECORD			TAX CALCULATION	
PENNICHUCK EAST UTILITY INC PROPERTY TAX DEPT/WHITE ROCK SENIOR 25 WALNUT ST PO BOX 428 NASHUA NH 03061-0428 2828			Municipal Tax Amount 2,674.29 School Tax Amount 5,767.13 State Tax Amount 0.00 County Tax Amount 896.37 Total Tax 9,338.00 1st Bill 4,829.00 Tax Credits 0.00	
TAX CALCULATION		ASSESSED VALUATION		
Municipal 7.220 School 15.570 State 0.000 County 2.420 TOTAL 25.210		Building Value 370,400 Land Value 0 Exemptions 0 Current Use 0 NET VALUE 370,400		
		PAY THIS AMOUNT \$ 4,509.00		

INFORMATION TO TAXPAYERS

IF YOU ARE ELDERLY, DISABLED, BLIND, A VETERAN OR VETERAN'S SURVIVING SPOUSE, OR ARE UNABLE TO PAY TAXES DUE TO POVERTY OR OTHER GOOD CAUSE, YOU MAY BE ELIGIBLE FOR A TAX EXEMPTION, CREDIT, ABATEMENT OR DEFERRAL. FOR DETAILS AND APPLICATION, CONTACT THE ASSESSOR'S OFFICE (603) 223-3973 BEFORE APRIL 15TH OF EACH YEAR.

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- WHEN PAYING IN PERSON, PLEASE BRING ENTIRE BILL.

DETACH HERE TO ENSURE PROPER CREDIT, PLEASE RETURN ENTIRE BOTTOM PORTION OF BILL DETACH HERE

Please do not staple checks

TOWN OF BOW, NH
REAL ESTATE TAX BILL



MAP/PARCEL	LOCATION OF PROPERTY	TAX YEAR	BILL NUMBER	DUE DATE
15-3-109-UO	4 BOW CENTER ROAD	2022	2022-2-198585	1/10/2023

8% APR Interest Charged After 07/01/2022 on First Bill.
8% APR Interest Charged After 1/10/2023 on Second Bill.



PENNICHUCK EAST UTILITY INC
PROPERTY TAX DEPT/WHITE ROCK SENIOR
25 WALNUT ST
PO BOX 428
NASHUA NH 03061-0428

PAY THIS AMOUNT \$ 4,509.00

PEU FALOC Interest
DW 23-013
Exhibit DOE DR 1-4b
8/28/2023

Libor Rate Advances

Day of Week	Date	Beginning Balance - Availability	Advances	Payments	Total Amount Borrowed	Total Borrowed - All Advances	Ending Balance - Availability	Unused Fee %	Unused Fee Amount	check total	CoBank Weekly Rate	Interest Expense	Monthly Unused Fee	Monthly Interest Expense
Outstanding balance on Cobank FALOC associated with 2022 work -					720,952.00	720,952.00	2,166,774.30				6.21000%	2,568.61		
Sunday	01/01/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17	Outstanding balance calculated based on used and useful amount of 720,952	
Monday	01/02/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17	The used an useful amount is the amount of the CoBank loan projected for 2022 used and useful assets found in Exh DLW-1 Page 4 less the FALOC interest and the DWGTF interest amounts. The 2022 interest is based on the outstanding amount times the daily interest times the number of days this interst was accrued in 2022 from the closing date of 10/31/2022	
Tuesday	01/03/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Wednesday	01/04/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Thursday	01/05/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Friday	01/06/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Saturday	01/07/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Sunday	01/08/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Monday	01/09/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Tuesday	01/10/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Wednesday	01/11/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Thursday	01/12/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Friday	01/13/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Saturday	01/14/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Sunday	01/15/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Monday	01/16/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Tuesday	01/17/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Wednesday	01/18/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Thursday	01/19/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Friday	01/20/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Saturday	01/21/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Sunday	01/22/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Monday	01/23/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Tuesday	01/24/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Wednesday	01/25/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Thursday	01/26/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Friday	01/27/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Saturday	01/28/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Sunday	01/29/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Monday	01/30/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Tuesday	01/31/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Wednesday	02/01/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17	\$ -	\$ 4,004.27
Thursday	02/02/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Friday	02/03/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Saturday	02/04/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Sunday	02/05/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Monday	02/06/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Tuesday	02/07/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Wednesday	02/08/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Thursday	02/09/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Friday	02/10/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Saturday	02/11/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Sunday	02/12/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Monday	02/13/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Tuesday	02/14/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Wednesday	02/15/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Thursday	02/16/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Friday	02/17/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Saturday	02/18/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Sunday	02/19/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Monday	02/20/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Tuesday	02/21/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Wednesday	02/22/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Thursday	02/23/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Friday	02/24/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Saturday	02/25/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Sunday	02/26/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		

Libor Rate Advances														
Day of Week	Date	Beginning Balance - Availability	Advances	Payments	Total Amount Borrowed	Total Borrowed - All Advances	Ending Balance - Availability	Unused Fee %	Unused Fee Amount	check total	CoBank Weekly Rate	Interest Expense	Monthly Unused Fee	Monthly Interest Expense
Monday	02/27/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Tuesday	02/28/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.45000%	129.17		
Wednesday	03/01/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.78400%	135.86	\$	-
Thursday	03/02/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.78400%	135.86		\$ 3,616.76
Friday	03/03/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.78400%	135.86		
Saturday	03/04/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.78400%	135.86		
Sunday	03/05/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.78400%	135.86		
Monday	03/06/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.84400%	137.06		
Tuesday	03/07/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.84400%	137.06		
Wednesday	03/08/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.84400%	137.06		
Thursday	03/09/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.84400%	137.06		
Friday	03/10/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.84400%	137.06		
Saturday	03/11/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.84400%	137.06		
Sunday	03/12/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.84400%	137.06		
Monday	03/13/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.94400%	139.06		
Tuesday	03/14/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.94400%	139.06		
Wednesday	03/15/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.94400%	139.06		
Thursday	03/16/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.94400%	139.06		
Friday	03/17/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.94400%	139.06		
Saturday	03/18/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.94400%	139.06		
Sunday	03/19/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.94400%	139.06		
Monday	03/20/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.87400%	137.66		
Tuesday	03/21/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.87400%	137.66		
Wednesday	03/22/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.87400%	137.66		
Thursday	03/23/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.87400%	137.66		
Friday	03/24/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.87400%	137.66		
Saturday	03/25/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.87400%	137.66		
Sunday	03/26/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.87400%	137.66		
Monday	03/27/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.91400%	138.46		
Tuesday	03/28/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.91400%	138.46		
Wednesday	03/29/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.91400%	138.46		
Thursday	03/30/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.91400%	138.46		
Friday	03/31/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.91400%	138.46		
Saturday	04/01/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.91400%	138.46	\$	-
Sunday	04/02/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.91400%	138.46		\$ 4,268.06
Monday	04/03/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.95800%	139.34		
Tuesday	04/04/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.95800%	139.34		
Wednesday	04/05/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.95800%	139.34		
Thursday	04/06/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.95800%	139.34		
Friday	04/07/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.95800%	139.34		
Saturday	04/08/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.95800%	139.34		
Sunday	04/09/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.95800%	139.34		
Monday	04/10/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.99800%	140.15		
Tuesday	04/11/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.99800%	140.15		
Wednesday	04/12/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.99800%	140.15		
Thursday	04/13/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.99800%	140.15		
Friday	04/14/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.99800%	140.15		
Saturday	04/15/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.99800%	140.15		
Sunday	04/16/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		6.99800%	140.15		
Monday	04/17/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.05800%	141.35		
Tuesday	04/18/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.05800%	141.35		
Wednesday	04/19/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.05800%	141.35		
Thursday	04/20/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.05800%	141.35		
Friday	04/21/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.05800%	141.35		
Saturday	04/22/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.05800%	141.35		
Sunday	04/23/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.05800%	141.35		
Monday	04/24/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.11800%	142.55		
Tuesday	04/25/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.11800%	142.55		
Wednesday	04/26/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.11800%	142.55		
Thursday	04/27/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.11800%	142.55		
Friday	04/28/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.11800%	142.55		
Saturday	04/29/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.11800%	142.55		
Sunday	04/30/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.11800%	142.55		

Libor Rate Advances														
Day of Week	Date	Beginning Balance - Availability	Advances	Payments	Total Amount Borrowed	Total Borrowed - All Advances	Ending Balance - Availability	Unused Fee %	Unused Fee Amount	check total	CoBank Weekly Rate	Interest Expense	Monthly Unused Fee	Monthly Interest Expense
Monday	05/01/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.17800%	143.75	\$ -	\$ 4,220.65
Tuesday	05/02/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.17800%	143.75		
Wednesday	05/03/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.17800%	143.75		
Thursday	05/04/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.17800%	143.75		
Friday	05/05/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.17800%	143.75		
Saturday	05/06/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.17800%	143.75		
Sunday	05/07/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.17800%	143.75		
Monday	05/08/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.17800%	143.75		
Tuesday	05/09/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.19800%	144.15		
Wednesday	05/10/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.19800%	144.15		
Thursday	05/11/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.19800%	144.15		
Friday	05/12/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.19800%	144.15		
Saturday	05/13/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.19800%	144.15		
Sunday	05/14/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.19800%	144.15		
Monday	05/15/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.19800%	144.15		
Tuesday	05/16/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.20800%	144.35		
Wednesday	05/17/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.20800%	144.35		
Thursday	05/18/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.20800%	144.35		
Friday	05/19/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.20800%	144.35		
Saturday	05/20/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.20800%	144.35		
Sunday	05/21/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.20800%	144.35		
Monday	05/22/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.20800%	144.35		
Tuesday	05/23/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.23800%	144.95		
Wednesday	05/24/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.23800%	144.95		
Thursday	05/25/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.23800%	144.95		
Friday	05/26/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.23800%	144.95		
Saturday	05/27/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.23800%	144.95		
Sunday	05/28/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.23800%	144.95		
Monday	05/29/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.23800%	144.95		
Tuesday	05/30/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.23800%	144.95		
Wednesday	05/31/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Thursday	06/01/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35	\$ -	\$ 4,475.45
Friday	06/02/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Saturday	06/03/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Sunday	06/04/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Monday	06/05/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Tuesday	06/06/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Wednesday	06/07/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Thursday	06/08/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Friday	06/09/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Saturday	06/10/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Sunday	06/11/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Monday	06/12/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Tuesday	06/13/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Wednesday	06/14/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Thursday	06/15/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Friday	06/16/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Saturday	06/17/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Sunday	06/18/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Monday	06/19/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Tuesday	06/20/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Wednesday	06/21/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Thursday	06/22/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Friday	06/23/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Saturday	06/24/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Sunday	06/25/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Monday	06/26/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Tuesday	06/27/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Wednesday	06/28/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Thursday	06/29/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Friday	06/30/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.30800%	146.35		
Saturday	07/01/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.23000%	144.79	\$ -	\$ 4,390.50
Sunday	07/02/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.23000%	144.79		

Libor Rate Advances														
Day of Week	Date	Beginning Balance - Availability	Advances	Payments	Total Amount Borrowed	Total Borrowed - All Advances	Ending Balance - Availability	Unused Fee %	Unused Fee Amount	check total	CoBank Weekly Rate	Interest Expense	Monthly Unused Fee	Monthly Interest Expense
Monday	07/03/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.29000%	145.99		
Tuesday	07/04/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.29000%	145.99		
Wednesday	07/05/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.29000%	145.99		
Thursday	07/06/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.29000%	145.99		
Friday	07/07/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.29000%	145.99		
Saturday	07/08/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.29000%	145.99		
Sunday	07/09/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.29000%	145.99		
Monday	07/10/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.34000%	146.99		
Tuesday	07/11/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.34000%	146.99		
Wednesday	07/12/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.34000%	146.99		
Thursday	07/13/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.34000%	146.99		
Friday	07/14/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.34000%	146.99		
Saturday	07/15/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.34000%	146.99		
Sunday	07/16/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.34000%	146.99		
Monday	07/17/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.39000%	148.00		
Tuesday	07/18/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.39000%	148.00		
Wednesday	07/19/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.39000%	148.00		
Thursday	07/20/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.39000%	148.00		
Friday	07/21/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.39000%	148.00		
Saturday	07/22/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.39000%	148.00		
Sunday	07/23/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.39000%	148.00		
Monday	07/24/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.45000%	149.20		
Tuesday	07/25/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.45000%	149.20		
Wednesday	07/26/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.45000%	149.20		
Thursday	07/27/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.45000%	149.20		
Friday	07/28/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.45000%	149.20		
Saturday	07/29/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.45000%	149.20		
Sunday	07/30/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.45000%	149.20		
Monday	07/31/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Tuesday	08/01/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	\$	- \$ 4,570.24
Wednesday	08/02/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Thursday	08/03/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Friday	08/04/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Saturday	08/05/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Sunday	08/06/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Monday	08/07/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Tuesday	08/08/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Wednesday	08/09/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Thursday	08/10/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Friday	08/11/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Saturday	08/12/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Sunday	08/13/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Monday	08/14/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Tuesday	08/15/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Wednesday	08/16/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Thursday	08/17/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Friday	08/18/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Saturday	08/19/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Sunday	08/20/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Monday	08/21/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Tuesday	08/22/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Wednesday	08/23/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Thursday	08/24/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Friday	08/25/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Saturday	08/26/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Sunday	08/27/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Monday	08/28/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Tuesday	08/29/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Wednesday	08/30/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Thursday	08/31/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Friday	09/01/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	\$	- \$ 4,631.40
Saturday	09/02/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Sunday	09/03/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		

Libor Rate Advances													
Day of Week	Date	Beginning Balance - Availability	Advances	Payments	Total Amount Borrowed	Total Borrowed - All Advances	Ending Balance - Availability	Unused Fee %	Unused Fee Amount	check total	CoBank Weekly Rate	Interest Expense	Monthly Unused Fee
Monday	09/04/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Tuesday	09/05/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Wednesday	09/06/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Thursday	09/07/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Friday	09/08/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Saturday	09/09/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Sunday	09/10/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Monday	09/11/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Tuesday	09/12/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Wednesday	09/13/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Thursday	09/14/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Friday	09/15/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Saturday	09/16/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Sunday	09/17/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Monday	09/18/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Tuesday	09/19/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Wednesday	09/20/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Thursday	09/21/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Friday	09/22/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Saturday	09/23/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Sunday	09/24/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Monday	09/25/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Tuesday	09/26/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Wednesday	09/27/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Thursday	09/28/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Friday	09/29/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Saturday	09/30/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Sunday	10/01/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Monday	10/02/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Tuesday	10/03/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Wednesday	10/04/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Thursday	10/05/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Friday	10/06/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Saturday	10/07/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Sunday	10/08/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Monday	10/09/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Tuesday	10/10/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Wednesday	10/11/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Thursday	10/12/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Friday	10/13/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Saturday	10/14/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Sunday	10/15/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Monday	10/16/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Tuesday	10/17/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Wednesday	10/18/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Thursday	10/19/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Friday	10/20/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Saturday	10/21/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Sunday	10/22/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Monday	10/23/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Tuesday	10/24/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Wednesday	10/25/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Thursday	10/26/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Friday	10/27/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Saturday	10/28/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Sunday	10/29/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Monday	10/30/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Tuesday	10/31/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Wednesday	11/01/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Thursday	11/02/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Friday	11/03/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Saturday	11/04/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	
Sunday	11/05/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	

\$	-	\$	4,482.00
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Projected FALOC Interest \$ 41,227.94

\$	-	\$	4,631.40
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Libor Rate Advances														
Day of Week	Date	Beginning Balance - Availability	Advances	Payments	Total Amount Borrowed	Total Borrowed - All Advances	Ending Balance - Availability	Unused Fee %	Unused Fee Amount	check total	CoBank Weekly Rate	Interest Expense	Monthly Unused Fee	Monthly Interest Expense
Monday	11/06/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Tuesday	11/07/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Wednesday	11/08/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Thursday	11/09/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Friday	11/10/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Saturday	11/11/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Sunday	11/12/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Monday	11/13/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Tuesday	11/14/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Wednesday	11/15/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Thursday	11/16/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Friday	11/17/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Saturday	11/18/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Sunday	11/19/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Monday	11/20/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Tuesday	11/21/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Wednesday	11/22/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Thursday	11/23/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Friday	11/24/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Saturday	11/25/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Sunday	11/26/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Monday	11/27/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Tuesday	11/28/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Wednesday	11/29/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Thursday	11/30/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Friday	12/01/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	\$	- \$ 4,482.00
Saturday	12/02/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Sunday	12/03/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Monday	12/04/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Tuesday	12/05/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Wednesday	12/06/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Thursday	12/07/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Friday	12/08/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Saturday	12/09/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Sunday	12/10/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Monday	12/11/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Tuesday	12/12/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Wednesday	12/13/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Thursday	12/14/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Friday	12/15/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Saturday	12/16/23	2,166,774.30	-		720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Sunday	12/17/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Monday	12/18/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Tuesday	12/19/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Wednesday	12/20/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Thursday	12/21/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Friday	12/22/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Saturday	12/23/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Sunday	12/24/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Monday	12/25/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Tuesday	12/26/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Wednesday	12/27/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Thursday	12/28/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Friday	12/29/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Saturday	12/30/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40		
Sunday	12/31/23	2,166,774.30			720,952.00	720,952.00	2,166,774.30	-	-		7.46000%	149.40	\$	- \$ 4,631.40

1 bidding of all three components by April 1, 2023. Construction is expected to
2 begin in 2023 and be complete in 2024.

3
4 W&E Water Main Improvements - Windham (W/O# 2200453 at a cost of
5 \$471,847) Interconnection to the Southern NH Regional Water System.

6 To complete the interconnection to the Southern NH Regional Water System
7 (SNHWS), the Company added approximately 400 feet of 4 inch, 80 feet of 6
8 inch, and 775 feet of 8 inch ductile iron water main along with a meter vault. The
9 interconnection allows the Company to purchase up to 30,000 gallons per day
10 (gpd) from the Town of Salem through the SNHRWS. This purchase water
11 agreement eliminates the need for the company to use one of the three wells in
12 the W&E system that has such poor water quality (elevated iron, manganese, &
13 hardness) that the treatment equipment is not capable of adequately treating
14 those existing raw water conditions. The 30,000 gpd purchase further improves
15 finished water quality when combined with the treated water from the remaining
16 two wells. The interconnection offers a redundant source of supply given, such
17 that the interconnection can supply 100% of the W&E system demand in an
18 emergency, or if the remaining two wells become contaminated or fail in the
19 future.

20
21 Gage Hill CWS – Pelham (W/O's 22078843, 1702834, 2207844, 2207845,
22 2207847 at a cost of \$578,607) Water Main Replacement

1 bidding of all three components by April 1, 2023. Construction is expected to
2 begin in 2023 and be complete in 2024.

3
4 W&E Water Main Improvements - Windham (W/O# 2200453 at a cost of
5 \$471,847) Interconnection to the Southern NH Regional Water System.

6 To complete the interconnection to the Southern NH Regional Water System
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8 inch, and 775 feet of 8 inch ductile iron water main along with a meter vault. The
9 interconnection allows the Company to purchase up to 30,000 gallons per day
10 (gpd) from the Town of Salem through the SNHRWS. This purchase water
11 agreement eliminates the need for the company to use one of the three wells in
12 the W&E system that has such poor water quality (elevated iron, manganese, &
13 hardness) that the treatment equipment is not capable of adequately treating
14 those existing raw water conditions. The 30,000 gpd purchase further improves
15 finished water quality when combined with the treated water from the remaining
16 two wells. The interconnection offers a redundant source of supply given, such
17 that the interconnection can supply 100% of the W&E system demand in an
18 emergency, or if the remaining two wells become contaminated or fail in the
19 future.

20
21 Gage Hill CWS – Pelham (W/O's 22078843, 1702834, ~~2307844~~2207844,
22 ~~2307845~~2207845, ~~2307847~~2207847 at a cost of \$578,607) Water Main
23 Replacement

TOWN OF MIDDLETON
 182 Kings Highway
 Middleton, NH 03887
 Temp - Return Service Requested

PENNICHUCK EAST UTILITY
 25 WALNUT STREET
 PO BOX 428
 NASHUA, NH 03061-0428

2022 MIDDLETON PROPERTY TAX -- BILL 2 OF 2

Invoice: 2022P02013804
 Billing Date: 12/23/2022
 Payment Due Date: 01/31/2023
 Amount Due: \$ 2,619.00

8% APR Charged After 01/31/2023

Property Owner			
Owner: PENNICHUCK EAST UTILITY			
Tax Rates		Assessments	
County:	\$ 3.26	Land:	26,900
School:	\$ 12.88	Current Use Credit:	0
Town:	\$ 8.44	Buildings:	289,100
VILLAGE:	\$ 0.54	Total:	316,000
Total Tax Rate:		Net Value:	316,000
\$ 25.12			

Property Description		
Map: 000003	Lot: 000016	Sub: 000000
Location: BEECH & JORDAN Acres: 1.560		
Summary Of Taxes		
Total Tax:		\$ 7,938.00
- First Bill:		\$ 5,319.00
- Abated/Paid:		\$ 0.00
- Veteran Credits:		\$ 0.00

Amount Due By 01/31/2023: **\$ 2,619.00**

2022 MIDDLETON PROPERTY TAX -- BILL 2 OF 2

TOWN OF MIDDLETON
 Tuesday 10am-6pm; Thursday 8am-4pm

(603) 473-5210

Tax Collector: Diana Bourdeau

Owner: PENNICHUCK EAST UTILITY

Location: BEECH & JORDAN

Map: 000003 Lot: 000016 Sub: 000000

Invoice: 2022P02013804

Amount Due By 01/31/2023: **\$ 2,619.00**

Mailed To:
 PENNICHUCK EAST UTILITY
 25 WALNUT STREET
 PO BOX 428
 NASHUA, NH 03061-0428

Remit To:
 TOWN OF MIDDLETON
 182 Kings Highway
 Middleton, NH 03887
 Temp - Return Service Requested

Payments can be made at www.nhtaxkiosk.com

RETURN THIS PORTION WITH PAYMENT

REMITTED AMOUNT: _____

TOWN OF MIDDLETON
 182 Kings Highway
 Middleton, NH 03887
 Temp - Return Service Requested

PENNICHUCK EAST UTILITY
 25 WALNUT STREET
 PO BOX 428
 NASHUA, NH 03061-0428

2022 MIDDLETON PROPERTY TAX -- BILL 2 OF 2

Invoice: 2022P02013803
 Billing Date: 12/23/2022
 Payment Due Date: 01/31/2023
 Amount Due: \$ 484.00

8% APR Charged After 01/31/2023

Property Owner			
Owner: PENNICHUCK EAST UTILITY			
Tax Rates		Assessments	
County:	\$ 3.26	Land:	40,000
School:	\$ 12.88	Current Use Credit:	0
Town:	\$ 8.44	Buildings:	0
VILLAGE:	\$ 0.54	Total:	40,000
Total Tax Rate:		Net Value:	40,000
\$ 25.12			

Property Description		
Map: 000002	Lot: 000013	Sub: 000000
Location: HAROLD DRIVE Acres: 5.510		
Summary Of Taxes		
Total Tax:		\$ 1,005.00
- First Bill:		\$ 521.00
- Abated/Paid:		\$ 0.00
- Veteran Credits:		\$ 0.00

Amount Due By 01/31/2023: **\$ 484.00**

2022 MIDDLETON PROPERTY TAX -- BILL 2 OF 2

TOWN OF MIDDLETON
 Tuesday 10am-6pm; Thursday 8am-4pm

(603) 473-5210

Tax Collector: Diana Bourdeau

Owner: PENNICHUCK EAST UTILITY

Location: HAROLD DRIVE
 Map: 000002 Lot: 000013 Sub: 000000
 Invoice: 2022P02013803

Amount Due By 01/31/2023: **\$ 484.00**

Mailed To:
 PENNICHUCK EAST UTILITY
 25 WALNUT STREET
 PO BOX 428
 NASHUA, NH 03061-0428

Remit To:
 TOWN OF MIDDLETON
 182 Kings Highway
 Middleton, NH 03887
 Temp - Return Service Requested

Payments can be made at www.nhtaxkiosk.com

RETURN THIS PORTION WITH PAYMENT

REMITTED AMOUNT: _____

	Requested DW 20-156 Revenue Requirements			Completed 2020 Qualified Capital Project pro formas		Approved QCPAC Surcharge for 2020 Capital Additions		Completed 2021 Qualified Capital Project pro formas		Approved QCPAC Surcharge for 2021 Capital Additions		Completed 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		Projected QCPAC For 2025 Capital Additions pro formas		Projected QCPAC Surcharge for 2025 Capital Additions							
City Bond Fixed Revenue Requirement (CBFRR)	\$	926,309		\$	926,309	\$	-	\$	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	\$	38,783	(5)	\$	7,150,547	\$	68,198	(5)	\$	7,218,746	\$	(23,213)	(5)(10)	\$	7,195,533	\$	38,324	(5)	\$	7,233,857
Operating Expense Contingency		1.04	(2)		1.04				1.04				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				7,429,841				7,498,039				7,474,826							7,513,150					
Non Material Operating Expense Revenue Requirement (NOERR)	\$	7,163		\$	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							52,281					
Debt Service Revenue Requirement (DSRR 1.0)	\$	1,739,398	(3)	\$	270,766	(6)	\$	2,010,164	\$	68,530	(7)	\$	2,078,694	\$	88,825	(13)	\$	2,167,519	\$	236,983	(14)	\$	2,404,502	\$	170,555	(14)	\$	2,575,056	\$	142,649	(14)	\$	2,717,706
Principal and Interest Coverage Requirement		1.10			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				2,286,564				2,384,271				2,644,952				2,832,562						2,989,476						
Revenue Requirement exclusive of NCCRS	\$	10,160,719		\$	10,567,817				10,663,374				10,799,864				11,128,744				11,293,141						11,488,380						
Less Other Operating Revenues	\$	30,188	(4)	\$	30,188				30,188				30,188				30,188				30,188						30,188						
Revenues required from Customer Classes exclusive of NCCRS	\$	10,130,531		\$	10,537,629				10,633,186				10,769,676				11,098,556				11,262,953						11,458,192						
Revenues subject to QCPAC	\$	10,130,531		\$	10,537,629				10,633,186				10,769,676				11,098,556				11,262,953						11,458,192						
Projected QCPAC Increase (8)					4.02%				0.94%				1.35%				3.25%				1.62%						1.93%						
Cumulative QCPAC increase (9)					4.02%				4.96%				6.31%				9.56%				11.18%						13.11%						
Cumulative QCPAC monthly increase in average single family residential bill				\$	3.39				4.18				5.32				8.06				9.42						11.05						
Average monthly single family residential bill with QCPAC				\$	87.70				88.49				89.63				92.37				93.73						95.36						

Notes:

(1) Operating Expense Revenue requirement is the sum of the Total Operating Expenses and Property Tax Expense approved in DW20-156. It does not include Amortization Expense.

(2) Material operating expense factor approved in DW20-156.

(3) Annual Principal and interest payments for PEU debt associated with plant in serviceapproved 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 a 25 year term loan with an actual total all in interest rate of 7.16% 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 prorect 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

(13) Portion of Annual Principal and interest payments paid to CoBank for debt associated with plant a placed in service between 1/1/2022 and 12/31/2022 for designated year based on a 25 year term loan with an actual total all in interest rate of 7.16% that was not recovered in DW20-156.

(14) 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 2023, 2024 and 2025 based on a 25 year term loan with an actual total all in interest rate of 7.25% 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	

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Project Name/Description	Project Description	Work Order #	Board Approved 2020 Capex Budget	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 6/30/2020	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 Expense	Explanation for Change/Addition/Deletion since Petition Filing	
Elevated 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	\$ -	\$ -	\$ -	\$ -	\$ -	Londonderry	Yes	\$ 24.78	\$ -	Project deferred to 2021 due to permitting.	
Middleton 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	\$ -	\$ 340,000	\$ -	\$ -	\$ -	Middleton	Yes	\$ 33.55	\$ -	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.	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	
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	11/16/2018	SRF	Yes	\$ 10,000	\$ 10,000	\$ -	\$ 1,056,000	\$ 966,252	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 Company will not be closing on the loan supporting these capital improvements until June 2021 so 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	11/16/2018	SRF	Yes	\$ 10,000	\$ 10,000	\$ -	\$ -	\$ -	Barnstead	Yes	\$ 27.84	\$ -		
N.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	11/16/2018	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.	
Belmont 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	11/16/2018	SRF	Yes	\$ 5,000	\$ 5,000	\$ -	\$ -	\$ -	Barnstead	Yes	\$ 27.84	\$ -	Deferred	
Route 28 Replacement	Replace 720 LF of 2" PE with 720 LF of 4" C-900 PVC.	2000370	\$ 80,000	DW18-132	26,189	11/16/2018	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.	
Locke Lake Surface Water Treatment ⁴	Intake & Treatment Facility Construction	1813409, 1900433, 2000369	\$ 835,000	DW18-132	26,189	11/16/2018	SRF	Yes	\$ -	\$ 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 in 2020 than anticipated, therefore there will be less cost in 2021	
Locke Lake Surface Water Treatment ⁴	Intake & Treatment Facility Construction	1813409, 1900433, 2000369	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes					\$ 175,334	Barnstead	Yes	\$ 27.84	\$ 4,881	Locke Lake project investment that exceeds the available loan amount of \$4,240,000. 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	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 32,000	\$ 32,000	\$ 32,000	\$ 32,000	\$ 27,400	Plaistow	Yes	\$ 26.20	\$ 718		
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 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	\$ 24.86	\$ 8,275	Project scope expanded for streets listed below over original budget.	
Pelham Main Replacement/Addition	Replace Lane Road.	2003563	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 182,102	Pelham	Yes	\$ 24.86	\$ 4,527	Work on this street is in project total for Monticello & Lane Project above.	
Pelham Main Replacement/Addition	Replace Simpson Road.	2003564	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 19,527	Pelham	Yes	\$ 24.86	\$ 485	Work on this street is in project total for Monticello & Lane Project above.	
Pelham Main Replacement/Addition	Replace Andrea Lane.	2003565	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ -	Pelham	Yes	\$ 24.86	\$ -	Work on this street is in project total for Monticello & Lane Project above.	
Pelham Main Replacement/Addition	Replace Mount Vernon Drive.	2004325	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 60,561	Pelham	Yes	\$ 24.86	\$ 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	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.	
Sunrise Estates	Station Replacement (design)	2003613	\$ 40,000		0.1 DSRR		CoBank	No	\$ -	\$ -	\$ 30,000	\$ 30,000	\$ 7,805	Middleton	No	\$ 33.55	\$ -		
Londonderry Core Re-Chloramination	Re-chloramination Evaluation and Preliminary Design	2003760	\$ 35,000		0.1 DSRR		CoBank	No	\$ -	\$ 35,000	\$ 35,000	\$ 35,000	\$ 11,820	Londonderry	No	\$ 24.78	\$ -	Design costs incorporated into Station rebuild above.	
Atkinson Booster pump station design	Atkinson Booster pump station design	2000717	\$ 30,000		0.1 DSRR		CoBank	No	\$ -	\$ -	\$ -	\$ 3,000	\$ -	Atkinson	Yes	\$ 22.84	\$ -	Costs incorporated in Atkinson Station rebuild below.	
Booster 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.	
Well Pump replacements	Well Pump replacements	760 - 763 workorders	\$ 40,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 40,000	\$ 16,000	\$ 15,000	\$ 15,000	\$ 14,665	Various	Yes	\$ 27.23	\$ 399	4 Well Pumps Repaired/Replaced through 12/31/2020.	
Chemical Feed pump replacements	Chemical Feed pump replacements	760 - 763 workorders	\$ 10,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 10,000	\$ 5,000	\$ 2,000	\$ 2,000	\$ 1,695	Various	Yes	\$ 27.23	\$ 46	1 Chemical Feed Pump Repaired/ Replaced through 12/31/2020.	
Install/replace treatment systems in small CWS.	Install/replace treatment systems in small CWS.	n/a	\$ 25,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 25,000	\$ -	\$ -	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.	
Misc. Structural Improvements	Misc. Structural Improvements	n/a	\$ 20,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 20,000	\$ 10,000	\$ 5,000	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	\$ 10,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 10,000	\$ 5,000	\$ -	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	n/a	\$ 30,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 30,000	\$ 27,602	\$ -	\$ 5,000	\$ -	Various	Yes	\$ 27.23	\$ -	See projects below.	
Miscellaneous SCADA/Electrical	Replace Well #1 VFD, Lamplighter Village	2001215	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ 2,398	\$ 2,398	\$ 2,398	\$ 2,398	Windham	Yes	\$ 23.89	\$ 57		
Miscellaneous SCADA/Electrical	Replace Pump #4 VFD, Liberty Tree	2005248	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ 1,735	\$ 1,735	\$ 1,735	Raymond	Yes	\$ 30.53	\$ 53		
Miscellaneous SCADA/Electrical	Replace Pump #1 VFD, Liberty Tree	2006387	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ 1,735	\$ 1,735	\$ 1,735	Raymond	Yes	\$ 30.53	\$ 53		
Well Rehabilitation	Well Rehabilitation	n/a	\$ 60,000	DW21-102	26,507	8/6/2021	CoBank	No	\$ -	\$ 15,000	\$ 15,000	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.	
Atkinson Station Rebuild	Station cannot provide required fire flow. Hydropneumatic tank is in need of	n/a	\$ 500,000	DW21-102	26,507	8/6/2021	CoBank	No	\$ -	\$ -	\$ -	\$ -	\$ -	Atkinson	Yes	\$ 22.84	\$ -	Project deferred into 2021 subject to evaluation of financial analysis of rebuilding the station vs. interconnectoin with HAWC.	
Install 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	\$ 17,901	\$ 17,901	\$ -	Various	Yes	\$ 27.23	\$ -		
Install web based communication equipment, 4 locations.	Fletcher's Corner, Install Cellular Based Communication	2002270	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ 2,099	\$ 2,099	\$ 2,099	\$ 2,099	Various	Yes	\$ 27.23	\$ 57		
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	\$ -	DW21-102	26,507	8/6/2021	DWGTFF/CoBank	No	\$ -	\$ 125,000	\$ 125,000	\$ -	\$ -	Windham	Yes	\$ 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.	
New Services (5)	Single Family, Owner Build, New Homes	720 workorders	\$ 25,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 25,000	\$ 15,000	\$ 7,950	\$ 10,586	\$ 10,586	Various	Yes	\$ 27.23	\$ 288	2 new services installed through 12/31/2020.	
Renewed Services (10)	Replacement of failed services.	721 & 722 workorders	\$ 55,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 55,000	\$ 1,912	\$ 7,014	\$ 7,014	\$ 10,137	Various	Yes	\$ 27.23	\$ 276	5 Renewed Service installed through 12/31/2020.	
Hydrants (5)	Replacement of non-functional hydrants.	730 & 731 workorders	\$ 30,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 30,000	\$ 18,000	\$ 18,000	\$ 6,000	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.	
Meters 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	26,507	8/6/2021	CoBank	Yes	\$ 22,000	\$ 30,000	\$ 26,000	\$ 26,000	\$ 25,672	Various	Yes	\$ 27.23	\$ 699	235 Meters installed/replaced through 12/31/2020 - This is new and replacements together.	
Gates (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	\$ 17,972	Various	Yes	\$ 27.23	\$ 487	5 Gates Installed/Repaired through 12/31/2020.	
Radios (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.	
Meters (Growth) 5/8"-2" - PEU (220)	New meters for new customers (220).	750 workorders	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	Incorporated in Row 48 above.	
PEU-PWW Interconnection	PEU-PWW Interconnection	2007474	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 3,449	Merrimack	Yes	\$ 28.84	\$ 99		
MSDC Payment to Manchester Water Works	MSDC Payment to Manchester Water Works	2009024	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 127,007	Various	No	\$ 27.23	\$ -		
Interest on CoBank FALOC	Short term interest from 11/23/2020 - 7/31/2021		\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ 16,000	\$ 16,158	Various	No	\$ 27.23	\$ -	Anticipates closing on CoBank long term loan to pay off CoBank FALOC on 8/1/2021.	
Pennichuck East Utilities Projected 2020 Total Capital Expenditure Budget -			\$ 4,737,000																
2020 0.1 DSRR funded projects -																			
Pennichuck East Utilities Projected 2020 QCPAC Eligible Capital Investment less 0.1 DSRR funded projects -																			
Funded with CoBank Loan3 -																			
Funded with SRF4 -																			
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 were approved by the Board in January 2020.																			
3. Projected CoBank Loan Terms are																			
4. Remainder of Locke Lake Surface Water Treatment project to completed in early 2021 at																			
a total projected cost of																			
5. Projected SRF Terms for Locke Lake project are																			
Total projected P&I on debt incurred to support 2020 used and useful capex -			\$ 225,542	\$ 210,654	\$ 258,864	\$ 270,766													

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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 (l)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since Petition Filing
Locke Lake Surface Water Treatment ¹	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 Evalution 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 evalution 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	Rysmond	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			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			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			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		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		DWGTFF	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 replacments 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 FaLLOC	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 FaLLOC on 8/1/2022.

Pennichuck East Utilities Projected 2021 Total Capital Expenditure Budget -		\$	2,748,501		\$	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 DSRR 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 DSRR funded projects -					\$	2,688,501		\$	1,669,000		\$	1,171,950		\$	1,198,031		\$	897,936	Final CoBank Loan Amount
Funded with CoBank Loan -		\$	2,455,648		\$	1,436,147		\$	939,950		\$	966,031		\$	665,083		\$	655,936	
Funded with SRF Loan -		\$	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%

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

		6/30/2021 Update	9/30/2021 Update	11/30/2021 Update	12/31/2021	Final CoBank Loan
resulting in P&I of	\$	213,767	\$ 125,018	\$ 81,824	\$ 84,094	\$ 57,896
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
						\$ 68,530

Pennichuck East Utilities, Inc.
DW 23-013
2022 used and useful QCP's
2/13/2023
8/28/2023 Updated per DOE DR Set 1

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	Final Project cost as of 12/31/2022	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		0.1 DSRR		0.1 DSRR	No	\$ 113,134	Londonderry	No	\$ 23.90	\$ -	Project still going through Town permitting process. SS are for engineering and will be 0.1 DSRR.
W&E Treatment Improvements	Station Improvements to dechlorinate and rechlorinate	n/a	\$ 35,000	DWGTf		Pending Filing	DWGTf	Yes	\$ -	Windham	Yes	\$ 25.08	\$ -	Included with Line Below
W&E Water Main Improvements	Interconnection to Southern NH Regional Water Sys.	2200453	\$ 454,000	DWGTf/CoBank		Pending Filing	DWGTf	Yes	\$ 471,847	Windham	Yes	\$ 25.08	\$ 11,834	
Investment in Developer Services	1x Annual Revenue	Routine	\$ 100,000	CoBank		Pending Filing	CoBank	Yes	\$ 55,163	Various	Yes	\$ 24.70	\$ 1,363	82 Developer Installed Servicesin 2022
Gage Hill Main Replacement	Vassar Dr & Pumping Station - Gage Hill	2207843 & 1702834	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ 239,832	Pelham	Yes	\$ 22.99	\$ 5,514	Does not include cost of finish paving in 2023
Gage Hill Main Replacement	Wellesley Drive - Gage Hill	2207844	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ 214,062	Pelham	Yes	\$ 22.99	\$ 4,921	Does not include cost of finish paving in 2023
Gage Hill Main Replacement	Raddcliffe Drive - Gage Hill	2207845	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ 102,311	Pelham	Yes	\$ 22.99	\$ 2,352	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	\$ 22,402	Pelham	Yes	\$ 22.99	\$ 515	Does not include cost of finish paving in 2023
Locke Lake Well Pump Replacement	Locke Lake Well Pump Replacement	2206575	\$ -	CoBank		Pending Filing	CoBank	No	\$ -	Barnstead	Yes	\$ 26.82	\$ -	Project not completed and used and useful before 12/31/2022.
2302 West Side Rd Meter Pit Replacement	2302 West Side Rd Meter Pit Replacement	2203887	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ -	Conway	Yes	\$ 23.23	\$ -	Supply chain issues. Meter pit ordered in May of 2022. Pit not delivered until last week of Dec 2022. Install will happen in 2023.
Install New Water Serice to Existing Customer	Install New Water Service 2396 W Side Dr	2207058	\$ -		0.1 DSRR		0.1 DSRR	Yes	\$ 866	Conway	Yes	\$ 23.23	\$ 20	2023 cost was clean up associated with December 2022 service install. See 2021 QCPAC tab, row 49.
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	Routine			0.1 DSRR		0.1 DSRR	Yes	\$ 30,856	Various	Yes	\$ 24.70	\$ 762	12 Booster pumps were replaced in 2022. A portion of that work was funded with 0.1 DSRR funds and the remainder will be funded with a loan from CoBank.
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	Routine	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 3,870	Various	Yes	\$ 24.70	\$ 96	
Booster Pump replacement/rebuild	Replace VFD, Booster2, Fletcher's Corner	2201771	\$ -		0.1 DSRR		0.1 DSRR	Yes	\$ 2,714	Windham	Yes	\$ 25.08	\$ 68	
Booster Pump replacement/rebuild	Replace VFD Booster #1, Daniels Lake	2202067	\$ -		0.1 DSRR		0.1 DSRR	Yes	\$ 3,226	Weare	Yes	\$ 22.91	\$ 74	
Booster Pump replacement/rebuild	Replace Booster 1 VFD, Fletcher	2203979	\$ -		0.1 DSRR		0.1 DSRR	Yes	\$ 2,702	Windham	Yes	\$ 25.08	\$ 68	
Well Pump replacements	Well Pump replacements	Routine	\$ 40,000		0.1 DSRR		0.1 DSRR	Yes	\$ 46,432	Various	Yes	\$ 24.70	\$ 1,147	7 well pumps replaced/ repaired in 2022. Funding of these well pumps divided between CoBank and 0.1 DSRR funds.
Well Pump replacements	Well Pump replacements	Routine		CoBank		Pending Filing	CoBank	Yes	\$ 8,058	Various	Yes	\$ 24.70	\$ 199	
Chemical Feed pump replacements	Chemical Feed pump replacements	Routine	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ -	Various	Yes	\$ 24.70	\$ -	0 completed in 2022
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	\$ -	Various	Yes	\$ 24.70	\$ -	
Castle Reach PFOA filtration system	Install filters in Castle Reach CWS booster Station to remove PFOA	2300511	\$ -		0.1 DSRR		0.1 DSRR	No	\$ -	Windham	Yes	\$ 25.08	\$ -	3rd quarter PFOA violation required installation of treatment. Filters installed but not used and useful as filter media is not available due to supply chain issues.
Pioneer Park Arsenic Filtration system	Install filters in Pioneer Park CWS booster Station to remove Arsenic	2300449	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ 16,244	Atkinson	Yes	\$ 17.86	\$ 290	Raw Water levels of arsenic exceeded 5 ppb State Drinking Water Standing during the third quarter requiring the installation of filtration.
Misc. Structural Improvements	Misc. Structural Improvements	n/a	\$ 20,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	\$ 10,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	n/a	\$ 40,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	0 completed in 2022
Miscellaneous SCADA/Electrical	Replace Chlorine Analyzer - White Rock	2204658	\$ -		0.1 DSRR		0.1 DSRR	Yes	\$ 4,453	Bow	Yes	\$ 31.81	\$ 142	
Well Rehabilitation	Well Rehabilitation	n/a	\$ 60,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	0 completed in 2022
Replace PLC @ W&E CWS	Replace PLC @ W&E CWS	n/a	\$ 18,000	CoBank		Pending Filing	CoBank	Yes		Windham	Yes	\$ 25.08	\$ -	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		0.1 DSRR		CoBank	Yes	\$ 9,257	Barnstead	Yes	\$ 26.82	\$ 248	
Install web based communication equipment, 4 locations	Install web based communication equipment, 4 locations	n/a	\$ 20,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	1 completed in 2022 (see row below).
Install web based communication equipment, 4 locations	Install GS 300 RTU, Castle Reach	2202068	\$ -		0.1 DSRR		0.1 DSRR	Yes	\$ 2,063	Windham	Yes	\$ 25.08	\$ 52	
North Conway Water Precinct Well #2 upgrade	Contractual contribution to North Conway Water Precinct Well #2 upgrade	n/a	\$ 50,000		0.1 DSRR		0.1 DSRR	No		Conway	No	\$ 23.23	\$ -	Payment due. Waiting on a bill from the North Conway Water Precinct.
Peacham Treatment Facility Backwash Tank Upgrade	Peacham Treatment Facility Backwash Tank Upgrade	2208042	\$ -		0.1 DSRR		0.1 DSRR	Yes	\$ 7,420	Barnstead	Yes	\$ 26.82	\$ 199	
Replace VFD Booster Pump 2 at Meadowview	Replace VFD Booster Pump 2 at Meadowview	2208990	\$ -		0.1 DSRR		0.1 DSRR	Yes	\$ 5,507	Pelham	Yes	\$ 22.99	\$ 127	
New Services (5)	Single Family, Owner Build, New Homes	Routine	\$ 25,000		0.1 DSRR		0.1 DSRR	Yes	\$ 145,256	Various	Yes	\$ 24.70	\$ 3,588	20 services installed in 2022.
Renewed Services (10)	Replacement of failed services. 8 dual Services at Locke Lake per NHDES CAP	Routine	\$ 55,000		0.1 DSRR		0.1 DSRR	Yes	\$ 21,202	Various	Yes	\$ 24.70	\$ 524	9 Services renewed in 2022.
Hydrants (5)	Replacement of non functional hydrants	Routine	\$ 30,000		0.1 DSRR		0.1 DSRR	Yes	\$ 9,952	Various	Yes	\$ 24.70	\$ 246	1 Hydrants installed/ repaired in 2022.
Gates (10)	Replacement of Failed Gate Valves	Routine	\$ 40,000		0.1 DSRR		0.1 DSRR	Yes	\$ 35,889	Various	Yes	\$ 24.70	\$ 886	6 Gate valves replaced/ repaired in 2022.
Radios (220)	New Customers (220)	Routine	\$ 23,100	CoBank		Pending Filing	CoBank	Yes	\$ 13,660	Various	Yes	\$ 24.70	\$ 337	133 Radios installed in 2022.
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	\$ 45,414	Various	Yes	\$ 24.70	\$ 1,122	198 Meters installed in 2022.
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		Various	Yes	\$ 24.70	\$ -	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		0.1 DSRR		0.1 DSRR	Yes	\$ 84,645	Various	Yes	\$ 24.70	\$ 2,091	882 Radios replaced in 2022.
DWGTf W&E Interconnection Contruction interest	Interst through interst change date on 7/31/2023	n/a	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ 19,424	N/A	No	N/A	\$ -	Construction Interest accrued at 1% on outstanding loan balance until July 31, 2023.
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	\$ 41,228	N/A	No	N/A	\$ -	Anticipates closing on CoBank long term loan to pay off CoBank FALOC on 10/1/2023.
Pennichuck East Utilities Projected 2022 Total Capital Expenditure Budget -									\$ 2,911,100	Projected annual property tax expenses for QCPAC eligible projects -				\$ 38,783
Pennichuck East Utilities Projected 2022 QCPAC Eligible Capital Investment -									\$ 1,779,091	exclusive of 2021 W&E Investment				
Add in 2021 W&E connection expenditures to be funded by DWGTf Loan/Grant -									\$ 221,787					
Total Capex to be funded in 2022 with QCPAC -									\$ 2,000,878					
Funded with CoBank Loan ³ -									\$ 744,775					
Funded with DWGTf loan ⁴ -									\$ 482,199					
Funded with DWGWTF Grant -									\$ 211,500					
Funding with 0.1 DSRR -									\$ 525,575					
2023 0.1 DSRR funds -									\$ 36,829					

1. Tax rate is the sum of the local community rate as of Dec 2022 plus the Statewide Utility tax rate of \$6.60/\$1000

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

3. Projected CoBank Loan Terms are

25 Years at	7.25%	resulting in P&I of	\$ 65,355
25 Years at	1.57%	resulting in P&I of	\$ 23,469
Total P&I to support proposed QCPAC eligible 2022 Capex -			\$ 88,825

Remaomg \$11,301 of DWGTf loan was for paving, loaning and seeding of this project that was not completed until May of 2023. The P&I associated with this part of the loan will be sought as part of the 2024 QCPAC request.

5. Interest rate changed from 5.3% (original DW22-005 submission) to 7.25% to reflect projected interest rates in 2023

6. Available 0.1 DSRR at end of 2022

7. An additional

\$ 525,575	will be used to fund projects based on current projection that 2022 PEU RSF balance exceeds target Combined RSF amount of \$980,000
\$ 36,829	of 0.1 DSRR money from 2023 will be used to cover the additional interest incurred on the CoBank and DWGTf loans to limit the CoBank Loan to the amount of \$ 744,775 that was approved in DW 23-046.

Pennichuck East Utilities, Inc.
DW 23-013
Projected 2023 QCPAC Capital Expenditures
2/13/2023

PEU QCPAC Filing
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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
Londonderry System Improvements	1.25 MG Tank, 16 Inch Transmission Main, & 3,500 gpm Booster Station		\$ 600,000	CoBank		Pending Filing	CoBank	Yes	\$ 600,000	Londonderry	Yes	\$ 23.90	\$ 14,340
Sunrise Estates - Middleton NH	Station and Storage Tank Replacement		\$ 500,000	CoBank		Pending Filing	CoBank	Yes	\$ 500,000	Middleton	Yes	\$ 31.72	\$ 15,860
Gage Hill - Pelham	Water Main Replacement Replace Approx. 4800 LF of 2 PE with 4 inch C-900 PVC - Paving only		\$ 700,000	CoBank		Pending Filing	CoBank	Yes	\$ 700,000	Pelham	Yes	\$ 22.99	\$ 16,093
Investment in Developer Services	1x Annual Revenue		\$ 150,000	CoBank		Pending Filing	CoBank	Yes	\$ 150,000	Various	Yes	\$ 24.71	\$ 3,707
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.71	\$ 988
Well Pump replacements	Well Pump replacements		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.71	\$ 988
Chemical Feed pump replacements	Chemical Feed pump replacements		\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.71	\$ 247
Install/replace treatment systems in small CWS (PFOA/Mn/Arsenic treatment systems)	Install/replace treatment systems in small CWS (supplemental Arsenic treatment systems		\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.71	\$ 1,236
Misc. Structural Improvements	Misc. Structural Improvements - roof re-build/repair W and E, Harvest Village, Castle Reach		\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.71	\$ 1,236
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects		\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.71	\$ 247
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.71	\$ 988
Well Rehabilitation	Well Rehabilitation		\$ 60,000	CoBank		Pending Filing	CoBank	Yes	\$ 60,000	Various	Yes	\$ 24.71	\$ 1,483
Install web based communication equipment, 4 locations	Install web based communication equipment, 4 locations		\$ 20,000	CoBank		Pending Filing	CoBank	Yes	\$ 20,000	Various	Yes	\$ 24.71	\$ 494
New Services (5)	Single Family, Owner Build, New Homes		\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.71	\$ 741
Renewed Services (20)	Replacement of failed services (5)		\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.71	\$ 741
Renewed Services - Locke Lake (15)	Renewal of Main to Stop portion of servicesin Locke Lake per DES Order (15)		\$ 90,000	CoBank		Pending Filing	CoBank	Yes	\$ 90,000	Various	Yes	\$ 24.71	\$ 2,224
Hydrants (5)	Replacement of non functional hydrants (5)		\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.71	\$ 741
Gates (10)	Replacement of Failed Gate Valves (10)		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.71	\$ 988
Radios - PFOA (50)	New Radios for PFOA customers (50)		\$ 6,000	CoBank		Pending Filing	CoBank	Yes	\$ 6,000	Various	Yes	\$ 24.71	\$ 148
Radios (150)	New Customers (150)		\$ 18,000	CoBank		Pending Filing	CoBank	Yes	\$ 18,000	Various	Yes	\$ 24.71	\$ 445
New meters for new customers (150)	New meters for new customers (150)		\$ 19,000	CoBank		Pending Filing	CoBank	Yes	\$ 19,000	Various	Yes	\$ 24.71	\$ 469
New Meter - PFOA (50)	New Metere for PFOA Customers (50)		\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.71	\$ 154
Replacement of failed meters (50)	Replacement of failed meters (50)		\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.71	\$ 154
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter (400)		\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.71	\$ 1,236
2023 Radios (700)	Year 3 of 10 year replacement of all PEU radios (all initial radios installed in 2007) (700)		\$ 91,000	CoBank		Pending Filing	CoBank	Yes	\$ 91,000	Various	Yes	\$ 24.71	\$ 2,249
Interest on CoBank FALOC	Short term interest from 8/1/2023 - 7/31/2024		\$ 14,100	CoBank		Pending Filing	CoBank	Yes	\$ 14,100	Various	No	N/A	\$ -
Pennichuck East Utilities Projected 2024 Total Capital Expenditure Budget -									\$ 2,700,600	Projected annual property tax expenses for QCPAC eligible projects -			\$ 68,198
Pennichuck East Utilities Projected 2024 Total Capital Expenditures funded by CoBank Loan -									\$ 2,700,600				

1. Tax rate is the sum of the local community rate as of Dec 2022 plus the Statewide Utility tax rate of \$6.60/\$1000
2. The 2023 PEU Capital Expenditures Budget presented was approved by the Board in January 2023.
3. Projected CoBank Loan Terms are

25 Years at 7.25% resulting in P&I of \$ 236,983

Pennichuck East Utilities, Inc.
DW 23-013
Projected 2024 QCPAC Capital Expenditures
2/13/2023

PEU QCPAC Filing
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Project Name/Description	Project Description	2024 Approved Budgeted Amount (2)	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Source of Funding	Eligible for 2024 QCPAC Surcharge	Eligible for 2024 QCPAC Surcharge	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense
New Services (5)	Single Family, Owner Build, New Homes	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.71	\$ 741
Renewed Services (20)	Replacement of failed services (5)	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.71	\$ 741
Renewed Services - Locke Lake (15)	Renewal of Main to Stop portion of servicesin Locke Lake per DES Order (15)	\$ 90,000	CoBank		Pending Filing	CoBank	Yes	\$ 90,000	Various	Yes	\$ 24.71	\$ 2,224
Hydrants (5)	Replacement of non functional hydrants (5)	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.71	\$ 741
Gates (10)	Replacement of Failed Gate Valves (10)	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.71	\$ 988
Radios - PFOA (50)	New Radios for PFOA customers (50)	\$ 6,000	CoBank		Pending Filing	CoBank	Yes	\$ 6,000	Various	Yes	\$ 24.71	\$ 148
Radios (150)	New Customers (150)	\$ 18,000	CoBank		Pending Filing	CoBank	Yes	\$ 18,000	Various	Yes	\$ 24.71	\$ 445
New meters for new customers (150)	New meters for new customers (150)	\$ 19,000	CoBank		Pending Filing	CoBank	Yes	\$ 19,000	Various	Yes	\$ 24.71	\$ 469
New Meter - PFOA (50)	New Metere for PFOA Customers (50)	\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.71	\$ 154
Replacement of failed meters (50)	Replacement of failed meters (50)	\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.71	\$ 154
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter (400)	\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.71	\$ 1,236
2024 Radios (700)	Year 4 of 10 year replacement of all PEU radios (all initial radios installed in 2007) (700)	\$ 91,000	CoBank		Pending Filing	CoBank	Yes	\$ 91,000	Various	Yes	\$ 24.71	\$ 2,249
Londonderry System Improvements	1.25 MG Tank, 16 Inch Transmission Main, & 3,500 gpm Booster Station	\$ 1,100,000	CoBank		Pending Filing	CoBank	Yes	\$ 1,100,000	Londonderry	Yes	\$ 23.90	\$ 26,290
Investment in Developer Services	1x Annual Revenue	\$ 150,000	CoBank		Pending Filing	CoBank	Yes	\$ 150,000	Various	Yes	\$ 24.71	\$ 3,707
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.71	\$ 988
Well Pump replacements	Well Pump replacements	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.71	\$ 988
Chemical Feed pump replacements	Chemical Feed pump replacements	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.71	\$ 247
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	\$ 24.71	\$ 618
Misc. Structural Improvements	Misc. Structural Improvements	\$ 20,000	CoBank		Pending Filing	CoBank	Yes	\$ 20,000	Various	Yes	\$ 24.71	\$ 494
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.71	\$ 247
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.71	\$ 988
Well Rehabilitation	Well Rehabilitation	\$ 60,000	CoBank		Pending Filing	CoBank	Yes	\$ 60,000	Various	Yes	\$ 24.71	\$ 1,483
Web based Communications 3 locations	Web based Communications 3 locations	\$ 18,000	CoBank		Pending Filing	CoBank	Yes	\$ 18,000	Various	Yes	\$ 24.71	\$ 445
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 -		\$ 1,943,600	Pennichuck East Utilities Projected 2024 QCPAC Eligible Capital Investment -		\$ 1,943,600		Projected annual property tax expenses for QCPAC eligible projects - \$ 46,787					
					Funded with CoBank Loan ³ - \$ 1,943,600							

1. Tax rate is the sum of the local community rate as of Dec 2022 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 2023.
3. Projected CoBank Loan Terms are 25 Years at 7.25% resulting in P&I of \$ 170,555

Pennichuck East Utilities, Inc.
DW 23-013
Projected 2025 QCPAC Capital Expenditures
2/13/2023

PEU QCPAC Filing
Exhibit DLW-1
Page 7

Project Name/Description	Project Description	2025 Approved Budgeted Amount (2)	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Source of Funding	Eligible for 2025 QCPAC Surcharge	Eligible for 2024 QCPAC Surcharge	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense
New Services (5)	Single Family, Owner Build, New Homes	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.71	\$ 741
Renewed Services (20)	Replacement of failed services (5)	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.71	\$ 741
Renewed Services - Locke Lake (15)	Renewal of Main to Stop portion of servicesin Locke Lake per DES Order (15)	\$ 90,000	CoBank		Pending Filing	CoBank	Yes	\$ 90,000	Various	Yes	\$ 24.71	\$ 2,224
Hydrants (5)	Replacement of non functional hydrants (5)	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.71	\$ 741
Gates (10)	Replacement of Failed Gate Valves (10)	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.71	\$ 988
Radios - PFOA (50)	New Radios for PFOA customers (50)	\$ 6,000	CoBank		Pending Filing	CoBank	Yes	\$ 6,000	Various	Yes	\$ 24.71	\$ 148
Radios (150)	New Customers (150)	\$ 18,000	CoBank		Pending Filing	CoBank	Yes	\$ 18,000	Various	Yes	\$ 24.71	\$ 445
New meters for new customers (150)	New meters for new customers (150)	\$ 19,000	CoBank		Pending Filing	CoBank	Yes	\$ 19,000	Various	Yes	\$ 24.71	\$ 469
New Meter - PFOA (50)	New Metere for PFOA Customers (50)	\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.71	\$ 154
Replacement of failed meters (50)	Replacement of failed meters (50)	\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.71	\$ 154
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter (400)	\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.71	\$ 1,236
2025 Radios (700)	Year 5 of 10 year replacement of all PEU radios (all initial radios installed in 2007) (700)	\$ 91,000	CoBank		Pending Filing	CoBank	Yes	\$ 91,000	Various	Yes	\$ 24.71	\$ 2,249
Investment in Developer Services	1x Annual Revenue	\$ 150,000	CoBank		Pending Filing	CoBank	Yes	\$ 150,000	Various	Yes	\$ 24.71	\$ 3,707
Atkinson Pioneer Park	Booster Station and Storage Tank Replacement	\$ 800,000	CoBank		Pending Filing	CoBank	Yes	\$ 800,000	Atkinson	Yes	\$ 22.84	\$ 18,272
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.71	\$ 988
Well Pump replacements	Well Pump replacements	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.71	\$ 988
Chemical Feed pump replacements	Chemical Feed pump replacements	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.71	\$ 247
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	\$ 24.71	\$ 618
Misc. Structural Improvements	Misc. Structural Improvements	\$ 20,000	CoBank		Pending Filing	CoBank	Yes	\$ 20,000	Various	Yes	\$ 24.71	\$ 494
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.71	\$ 247
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.71	\$ 988
Well Rehabilitation	Well Rehabilitation	\$ 60,000	CoBank		Pending Filing	CoBank	Yes	\$ 60,000	Various	Yes	\$ 24.71	\$ 1,483
Interest on CoBank FALOC	Short term interest from 8/1/2025 - 7/31/2026	\$ 14,100	CoBank		Pending Filing	CoBank	Yes	\$ 14,100	Various	No	N/A	\$ -
Pennichuck East Utilities Projected 2025 Total Capital Expenditure Budget -		\$ 1,625,600	Pennichuck East Utilities Projected 2025 QCPAC Eligible Capital Investment -		\$ 1,625,600		Projected annual property tax expenses for QCPAC eligible projects -		\$ 38,324			
					Funded with CoBank Loan ³ -		\$ 1,625,600					

1. Tax rate is the sum of the local community rate as of Dec 2022 plus the Statewide Utility tax rate of \$6.60/\$1000
2. The 2025 PEU Capital Expenditures Budget presented were approved by the Board in January 2023.
3. Projected CoBank Loan Terms are

25 Years at 7.25% resulting in P&I of \$ 142,649

Pennichuck East Utility, Inc.
DW 23-013
2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 2

Date Request Received: 9/12/23
Request No. DOE 2-1

Date of Response: 09/25/2023
Witness: Donald L. Ware

REQUEST:

Re: Company's response to DOE 1-1(b): Please indicate the status of the anticipated CoBank loan. If finalization of the terms and/or closure of this loan has occurred, please update Exhibit DLW-1, as necessary, to reflect the finalized terms of the loan.

RESPONSE:

The CoBank loan has not yet closed. The Company anticipates closing of this loan on September 25, 2023.

Pennichuck East Utility, Inc.
DW 23-013
2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 2

Date Request Received: 9/12/23
Request No. DOE 2-2

Date of Response: 9/25/2023
Witness: Donald L. Ware

REQUEST:

Re: Company's responses to DOE 1-3 (a) and (b) and Final Audit Report dated 8/2/23, Audit Issue # 2 (Pages 9 and 23): Page 9 of the Final Audit Report states, "*PEU listed the various tax rate as \$24.71, whereas it should have been calculated as \$22.57 due to the incorrect rate for Atkinson.*" Further, the Company appears to concur with this finding in its response to Audit Issue # 2 on Page 23 of the report when it states, "*The Company agrees and will make the change to the Town of Atkinson property tax rate.*" However, the Company's response to DOE 1-3(b) and further supported by Exhibit DOE DR 1-3(a) indicates a calculation of \$24.70 for the various tax rate. Please explain why the various tax rate should not be \$22.57 as indicated on Page 9 of the Final Audit Report and originally agreed to by the Company.

RESPONSE:

The \$22.57 in the Audit report was referring to the Atkinson tax rate, which was shown at \$22.84 in the original filing when it should have been \$17.86. The Company agreed the Atkinson tax rate of \$22.84 in the original "various" community's tax rate calculation should be changed to the correct rate of Atkinson Tax rate of \$17.86. The Company, per audit, changed the Atkinson tax rate in its various tax rate calculations submitted in its response to DOR DR1-3(a) which resulted in the "various tax rate" changing from \$24.71 to \$24.70. The "various tax rate" calculations, the one calculated in response to DOE DR 1-3(a) and the one submitted with original filing are attached to this response at Exhibit DOE DR 2-2. The Company does not know how the Audit originally calculated a various tax rate of \$22.57, as a result of changing the Atkinson Rate from \$22.84 to \$17.86. Please see Exhibit DOE DR 2-2 with the attached calculation supporting the Company's use of a various tax rate of \$24.70.

Pennichuck East Utility, Inc.
DW 23-013
2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 2

Date Request Received: 9/12/23
Request No. DOE 2-3

Date of Response: 9/25/2023
Witness: Donald L. Ware

REQUEST:

Re: Company's response to DOE 1-4 and Exhibit DLW-1 (Updated 8/28/23), Page 4 – 2022 Used and Useful QCP's, Cells O10, O55, O58, and O59: It appears that the sum of the DWGTF financed projects (Cells O10 and O55) is \$693,634 (\$471,847 + \$221,787), but the sum of the indicated DWGTF loan and grant (Cells O58 and O59) is \$693,699 (\$482,199 + \$211,500), for a difference of \$65. Please explain the \$65 difference between the total amount of the DWGTF financed projects of \$693,634 and the total DWGTF financing amount of \$693,699, and whether certain further adjustments should be made to the Company's schedules because of this difference.

RESPONSE:

The difference of \$65 is the difference between the \$11,365 that was used to pay for paving, loam and seeding in 2023 and the final DWGTF loan draw in 2023 of \$11,300.80. The DWGTF loan in Cell O58 was reduced by \$11,300.80 (rounded to \$11,301) when it should have been reduced by \$11,365. This has been corrected on the attached, revised Exhibit DLW-1-7, Page 4 (Cell 058) resulting in the DWGTF loan being reduced to \$693,635 from the initial filing amount of \$693,699.

Pennichuck East Utility, Inc.

DW 23-013

2023 QCPAC - Qualified Capital Project Adjustment Charge

Responses to DOE Data Requests –Set 2

Date Request Received: 9/12/23
Request No. DOE 2-4

Date of Response: 09/25/2023
Witness: Donald L. Ware

REQUEST:

Re: Company's response to DOE 1-5 and Exhibit DLW-1 (Updated 8/28/23), Page 4 – 2022 Used and Useful QCP's, Cells O12 – O15: Does the fact that the physical transfer of \$23,343 of inventory to the Gage Hill Project did not occur until 2023 impact the used and usefulness of the \$578,607 of total project cost being proposed for QCPAC recovery in this case? Please explain.

RESPONSE:

No. The \$23,343 of inventory placed in service is not included in the \$578,607 of project costs being sought in this filing. The Company's initial response to Audit Issue #5 was not correct. The Company's response to Audit read, "The \$23,343 in inventory was not released from inventory to the job until April of 2023 and as such did not show up in the 12/31/2022 W/O \$\$. All the inventory in question was used and placed into service prior to 12/31/2022." The response should have read "The \$23,343 in inventory was not released from inventory to the job until April of 2023 and as such did not show up in the 12/31/2022 W/O \$\$. All the inventory in question was placed into service after to 12/31/2022 and as such is not eligible for recovery as part of this QCPAC filing."

Pennichuck East Utility, Inc.

DW 23-013

**2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 2**

Date Request Received: 9/12/23
Request No. DOE 2-5

Date of Response: 9/25/2023
Witness: Donald L. Ware

REQUEST:

Re: Company's response to DOE 1-8 and Exhibit DLW-1 (Updated 8/28/23), Page 4 – 2022 Used and Useful QCP's, Cell O50: Please provide documentation in support of the \$19,423.58 in accrued interest costs on the DWGTF loan through 7/31/23 indicated by the Company in its response.

RESPONSE:

Please see Exhibit DOE DR 2-5 as support to the FALOC interest rate calculation provided in response to DOE 1-4b. This calculation was based on the Company's daily cash flow calculation for the PEU FALOC account. Exhibit DOE DR 2-5 is an account summary printed from the Company's CoBank FALOC account for the time frame over which the FALOC interest was calculated in DOE 1-4b.

Please note that there are slight differences between the CoBank weekly interest rate in the accounting spreadsheet and the CoBank account summary. The principal amount showing in the account summary and that detailed in the accounting spreadsheet match through the end of 2022. The amount shown on the accounting spreadsheet in 2023 versus the amount detailed in the CoBank account summary differ in 2023 because there have been monies drawn on the CoBank FALOC loan in 2023 that are associated with 2022 QCP's. These will ultimately be funded with 0.1 DSRR funds upon approval of the QCPAC, as opposed to borrowing from the CoBank Final Loan. The current CoBank FALOC principal amount of \$1,103,365 exceeds the amount of \$720,952 (Final projected CoBank loan amount) shown on the accounting daily worksheet with the difference being the portion of the Company's payment of certain 2022 QCP's with 0.1 DSRR cash. Please note that the amount of interest incurred on 2022 QCP's from 10/19/2022 through 9/18/2023 has been \$58,697 (per the attached account summary) as opposed to the projected amount of \$41,228 (as calculated and presented in Attachment DOE 1-4b). The difference in the interest amounts reflects the interest incurred on the CoBank FALOC loan associated with funds borrowed to pay for 2022 QCP's that will ultimately be paid for with 0.1 DSRR cash.

Pennichuck East Utilities, Inc.
DW 23-015
2022 QCPAC Various Tax Rate
Exhibit DOE DR 2-2
9/25/2023

2022 QCPAC Various Tax Rate - DR1-3

Community	# of customers	Tax Rate (1)	Customer Count x Tax Rate
Atkinson	10	\$ 17.86	\$ 178.60
Barnstead	898	\$ 26.82	\$ 24,084.36
Bow	129	\$ 31.81	\$ 4,103.49
Chester	33	\$ 26.62	\$ 878.46
Conway	217	\$ 23.23	\$ 5,040.91
Derry	245	\$ 24.62	\$ 6,031.90
Exeter	52	\$ 29.90	\$ 1,554.80
Hooksett	101	\$ 29.26	\$ 2,955.26
Lee	34	\$ 27.21	\$ 925.14
Litchfield	2514	\$ 24.40	\$ 61,341.60
Londonderry	2421	\$ 23.90	\$ 57,861.90
Middleton	86	\$ 31.72	\$ 2,727.92
Pelham	620	\$ 22.99	\$ 14,253.80
Plaistow	21	\$ 24.40	\$ 512.40
Raymond	387	\$ 23.72	\$ 9,179.64
Sandown	11	\$ 33.45	\$ 367.95
Tilton	67	\$ 24.02	\$ 1,609.34
Weare	27	\$ 22.91	\$ 618.57
Windham	733	\$ 25.08	\$ 18,383.64
	8606		\$ 212,609.68
Customer Weighted PEU Various Tax Rate -			\$ 24.70

1) Tax rate includes \$6.60 per \$1000 Statewide Utility Tax
and is based on December 2023 Tax bill from each community

2022 QCPAC Various Tax Rate - Original filing

Community	# of customers	Tax Rate (1)	Customer Count x Tax Rate
Atkinson	10	\$ 22.84	\$ 228.40
Barnstead	898	\$ 26.82	\$ 24,084.36
Bow	129	\$ 31.81	\$ 4,103.49
Chester	33	\$ 26.62	\$ 878.46
Conway	217	\$ 23.23	\$ 5,040.91
Derry	245	\$ 24.62	\$ 6,031.90
Exeter	52	\$ 29.90	\$ 1,554.80
Hooksett	101	\$ 29.26	\$ 2,955.26
Lee	34	\$ 27.21	\$ 925.14
Litchfield	2514	\$ 24.40	\$ 61,341.60
Londonderry	2421	\$ 23.90	\$ 57,861.90
Middleton	86	\$ 31.72	\$ 2,727.92
Pelham	620	\$ 22.99	\$ 14,253.80
Plaistow	21	\$ 24.40	\$ 512.40
Raymond	387	\$ 23.72	\$ 9,179.64
Sandown	11	\$ 33.45	\$ 367.95
Tilton	67	\$ 24.02	\$ 1,609.34
Weare	27	\$ 22.91	\$ 618.57
Windham	733	\$ 25.08	\$ 18,383.64
	8606		\$ 212,659.48
Customer Weighted PEU Various Tax Rate -			\$ 24.71

1) Tax rate includes \$6.60 per \$1000 Statewide Utility Tax
and is based on June 2022 Tax bill from each community

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Online Banking

Account History

ACCOUNT SUMMARY

Balance:	1,103,364.79	Rate Index:	WQVR
MTD Accrued Interest:	3,893.35	Effective Date:	04/25/2018
Previous Month's Interest:	7,090.34	Interest Rate:	7.470000
YTD Accrued Interest:	55,315.93	Rate Set:	09/18/2023
Interest Paid Last Year:	22,518.35	Maturity Date:	09/30/2023

Date: 10/19/2022 - 09/18/2023

Effective Date	Post Date	Transaction Description	Transaction Amount	New Principal Balance	Accrued Interest	Interest Rate
10/19/2022		BEGINNING BALANCE		100,905.65	0.00	
10/19/2022	10/19/2022	INTEREST ACCRUAL	0.00	100,905.65	15.66	5.590000
10/20/2022	10/20/2022	INTEREST ACCRUAL	0.00	100,905.65	15.67	5.590000
10/20/2022	10/20/2022	INTEREST PAYMENT	3,124.49	100,905.65	0.00	
10/24/2022	10/24/2022	INTEREST ACCRUAL	0.00	100,905.65	62.68	5.590000
10/31/2022	10/31/2022	INTEREST ACCRUAL	0.00	100,905.65	112.81	5.750000
11/07/2022	11/07/2022	INTEREST ACCRUAL	0.00	100,905.65	115.57	5.890000
11/14/2022	11/14/2022	INTEREST ACCRUAL	0.00	100,905.65	116.35	5.930000
11/21/2022	11/21/2022	INTEREST ACCRUAL	0.00	100,905.65	116.55	5.940000
11/21/2022	11/21/2022	INTEREST PAYMENT	2,120.61	100,905.65	0.00	
11/28/2022	11/28/2022	INTEREST ACCRUAL	0.00	100,905.65	119.29	6.080000
12/05/2022	12/05/2022	INTEREST ACCRUAL	0.00	100,905.65	121.84	6.210000
12/12/2022	12/12/2022	INTEREST ACCRUAL	0.00	100,905.65	124.40	6.340000
12/16/2022	12/16/2022	INTEREST ACCRUAL	0.00	100,905.65	72.20	6.440000
12/16/2022	12/16/2022	LOAN DISBURSEMENT	732,320.05	833,225.70	0.00	
12/19/2022	12/19/2022	INTEREST ACCRUAL	0.00	833,225.70	447.16	6.440000
12/20/2022	12/20/2022	INTEREST ACCRUAL	0.00	833,225.70	149.29	6.450000
12/20/2022	12/20/2022	INTEREST PAYMENT	503.47	833,225.70	0.00	
12/27/2022	12/27/2022	INTEREST ACCRUAL	0.00	833,225.70	1,045.00	6.450000
01/03/2023	01/03/2023	INTEREST ACCRUAL	0.00	833,225.70	1,045.01	6.450000
01/09/2023	01/09/2023	INTEREST ACCRUAL	0.00	833,225.70	899.05	6.474000
01/17/2023	01/17/2023	INTEREST ACCRUAL	0.00	833,225.70	1,213.55	6.554000
01/20/2023	01/20/2023	INTEREST ACCRUAL	0.00	833,225.70	458.55	6.604000
01/20/2023	01/20/2023	INTEREST PAYMENT	2,654.11	833,225.70	0.00	
01/23/2023	01/23/2023	INTEREST ACCRUAL	0.00	833,225.70	458.55	6.604000
01/25/2023	01/25/2023	INTEREST ACCRUAL	0.00	833,225.70	308.01	6.654000
01/25/2023	01/25/2023	LOAN DISBURSEMENT	270,139.09	1,103,364.79	0.00	

https://www.fcsolb.com/cb/dh/accountMgmt/CobankTransactionHistoryReportAction_PreparePrinterReadyData.action

1/3

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Online Banking

01/30/2023	01/30/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,019.70	6.654000
02/06/2023	02/06/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,434.00	6.684000
02/13/2023	02/13/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,434.01	6.684000
02/21/2023	02/21/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,638.87	6.684000
02/21/2023	02/21/2023	INTEREST PAYMENT	5,065.69	1,103,364.79	0.00	
02/27/2023	02/27/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,229.14	6.684000
03/06/2023	03/06/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,455.46	6.784000
03/13/2023	03/13/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,468.34	6.844000
03/20/2023	03/20/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,489.79	6.944000
03/20/2023	03/20/2023	INTEREST PAYMENT	5,742.16	1,103,364.79	0.00	
03/27/2023	03/27/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,474.77	6.874000
04/03/2023	04/03/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,483.35	6.914000
04/10/2023	04/10/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,492.79	6.958000
04/17/2023	04/17/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,501.37	6.998000
04/20/2023	04/20/2023	INTEREST ACCRUAL	0.00	1,103,364.79	648.96	7.058000
04/20/2023	04/20/2023	INTEREST PAYMENT	6,532.04	1,103,364.79	0.00	
04/24/2023	04/24/2023	INTEREST ACCRUAL	0.00	1,103,364.79	865.29	7.058000
05/01/2023	05/01/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,527.11	7.118000
05/08/2023	05/08/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,540.00	7.178000
05/15/2023	05/15/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,544.28	7.198000
05/22/2023	05/22/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,546.42	7.208000
05/22/2023	05/22/2023	INTEREST PAYMENT	6,459.34	1,103,364.79	0.00	
05/30/2023	05/30/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,774.70	7.238000
06/05/2023	06/05/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,343.90	7.308000
06/12/2023	06/12/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,566.17	7.300000
06/20/2023	06/20/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,787.45	7.290000
06/20/2023	06/20/2023	INTEREST PAYMENT	6,853.37	1,103,364.79	0.00	
06/26/2023	06/26/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,327.71	7.220000
07/03/2023	07/03/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,551.15	7.230000
07/10/2023	07/10/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,564.02	7.290000
07/17/2023	07/17/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,574.75	7.340000
07/20/2023	07/20/2023	INTEREST ACCRUAL	0.00	1,103,364.79	679.49	7.390000
07/20/2023	07/20/2023	INTEREST PAYMENT	6,685.23	1,103,364.79	0.00	
07/24/2023	07/24/2023	INTEREST ACCRUAL	0.00	1,103,364.79	905.98	7.390000
07/31/2023	07/31/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,598.35	7.450000
08/07/2023	08/07/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,600.49	7.460000
08/14/2023	08/14/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,600.49	7.460000
08/21/2023	08/21/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,600.49	7.460000
08/21/2023	08/21/2023	INTEREST PAYMENT	6,994.41	1,103,364.79	0.00	
08/28/2023	08/28/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,600.50	7.460000
09/05/2023	09/05/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,834.03	7.480000

https://www.fcsolb.com/cb/dh/accountMgmt/CobankTransactionHistoryReportAction_PreparePrinterReadyData.action

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09/11/2023	09/11/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,373.69	7.470000
09/18/2023	09/18/2023	INTEREST ACCRUAL	0.00	1,103,364.79	1,602.64	7.470000
09/18/2023		ENDING BALANCE		1,103,364.79	0.00	
		Total:			58,696.84	

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	Requested DW 20-156 Revenue Requirements			Completed 2020 Qualified Capital Project pro formas			Approved QCPAC Surcharge for 2020 Capital Additions			Completed 2021 Qualified Capital Project pro formas			Approved QCPAC Surcharge for 2021 Capital Additions			Completed 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			Projected QCPAC For 2025 Capital Additions pro formas			Projected QCPAC Surcharge for 2025 Capital Additions		
City Bond Fixed Revenue Requirement (CBFRR)	\$	926,309		\$	926,309		\$	-		\$	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	\$	38,783	(5)	\$	7,150,547	\$	68,190	(5)	\$	7,218,737	\$	(23,221)	(5)(10)	\$	7,195,516	\$	34,332	(5)	\$	7,229,848						
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					7,429,841					7,498,030							7,474,809								7,509,141						
Non Material Operating Expense Revenue Requirement (NOERR)	\$	7,163		\$	7,163			7,163					7,163					7,163							7,163								7,163						
Amortization Expense (not subject to MOERR)	\$	52,281		\$	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	\$	68,530	(7)	\$	2,078,694	\$	88,827	(13)	\$	2,167,521	\$	236,983	(14)	\$	2,404,504	\$	170,555	(14)	\$	2,575,059	\$	142,649	(14)	\$	2,717,708						
Principal and Interest Coverage Requirement		1.10			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			2,286,564					2,384,274					2,644,955							2,832,565								2,989,479						
Revenue Requirement exclusive of NCCRS	\$	10,160,719		\$	10,567,817			10,663,374					10,799,867					11,128,738							11,293,127								11,484,373						
Less Other Operating Revenues	\$	30,188	(4)	\$	30,188			30,188					30,188					30,188							30,188								30,188						
Revenues required from Customer Classes exclusive of NCCRS	\$	10,130,531		\$	10,537,629			10,633,186					10,769,679					11,098,550							11,262,939								11,454,185						
Revenues subject to QCPAC	\$	10,130,531		\$	10,537,629			10,633,186					10,769,679					11,098,550							11,262,939								11,454,185						
Projected QCPAC Increase (8)					4.02%			0.94%					1.35%					3.25%							1.62%								1.89%						
Cumulative QCPAC increase (9)					4.02%			4.96%					6.31%					9.56%							11.18%								13.07%						
Cumulative QCPAC monthly increase in average single family residential bill				\$	3.39			4.18					5.32					8.06							9.42								11.02						
Average monthly single family residential bill with QCPAC				\$	87.70			88.49					89.63					92.37							93.73								95.33						

Notes:

(1) Operating Expense Revenue requirement is the sum of the Total Operating Expenses and Property Tax Expense approved in DW20-156. It does not include Amortization Expense.

(2) Material operating expense factor approved in DW20-156.

(3) Annual Principal and interest payments for PEU debt associated with plant in serviceapproved 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 a 25 year term loan with an actual total all in interest rate of 7.16% 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 poject 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

(13) Portion of Annual Principal and interest payments paid to CoBank for debt associated with plant a placed in service between 1/1/2022 and 12/31/2022 for designated year based on a 25 year term loan with an actual total all in interest rate of 7.16% that was not recovered in DW20-156.

(14) 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 2023, 2024 and 2025 based on a 25 year term loan with an actual total all in interest rate of 7.25% 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	

Pennichuck East Utilities, Inc.
DW 23-013
2020 used and useful QCP's
2/13/2023

PEU QCPAC Filing
Exhibit DLW-1
Page 2

Project Name/Description	Project Description	Work Order #	Board Approved 2020 Capex Budget	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 6/30/2020	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 Expense	Explanation for Change/Addition/Deletion since Petition Filing					
Elevated 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	\$ -	\$ -	\$ -	\$ -	\$ -	Londonderry	Yes	\$ 24.78	\$ -	Project deferred to 2021 due to permitting.					
Middleton 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	\$ -	\$ 340,000	\$ -	\$ -	\$ -	Middleton	Yes	\$ 33.55	\$ -	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.	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					
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	11/16/2018	SRF	Yes	\$ 10,000	\$ 10,000	\$ -	\$ 1,056,000	\$ 966,252	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 Company will not be closing on the loan supporting these capital improvements until June 2021 so 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	11/16/2018	SRF	Yes	\$ 10,000	\$ 10,000	\$ -	\$ -	\$ -	Barnstead	Yes	\$ 27.84	\$ -						
N.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	11/16/2018	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.					
Belmont 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	11/16/2018	SRF	Yes	\$ 5,000	\$ 5,000	\$ -	\$ -	\$ -	Barnstead	Yes	\$ 27.84	\$ -	Deferred					
Route 28 Replacement	Replace 720 LF of 2" PE with 720 LF of 4" C-900 PVC.	2000370	\$ 80,000	DW18-132	26,189	11/16/2018	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.					
Locke Lake Surface Water Treatment ⁴	Intake & Treatment Facility Construction	1813409, 1900433, 2000369	\$ 835,000	DW18-132	26,189	11/16/2018	SRF	Yes	\$ -	\$ 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 in 2020 than anticipated, therefore there will be less cost in 2021					
Locke Lake Surface Water Treatment ⁴	Intake & Treatment Facility Construction	1813409, 1900433, 2000369	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes					\$ 175,334	Barnstead	Yes	\$ 27.84	\$ 4,881	Locke Lake project investment that exceeds the available loan amount of \$4,240,000. 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	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 32,000	\$ 32,000	\$ 32,000	\$ 32,000	\$ 27,400	Plaistow	Yes	\$ 26.20	\$ 718						
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 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	\$ 24.86	\$ 8,275	Project scope expanded for streets listed below over original budget.					
Pelham Main Replacement/Addition	Replace Lane Road.	2003563	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 182,102	Pelham	Yes	\$ 24.86	\$ 4,527	Work on this street is in project total for Monticello & Lane Project above.					
Pelham Main Replacement/Addition	Replace Simpson Road.	2003564	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 19,527	Pelham	Yes	\$ 24.86	\$ 485	Work on this street is in project total for Monticello & Lane Project above.					
Pelham Main Replacement/Addition	Replace Andrea Lane.	2003565	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ -	Pelham	Yes	\$ 24.86	\$ -	Work on this street is in project total for Monticello & Lane Project above.					
Pelham Main Replacement/Addition	Replace Mount Vernon Drive.	2004325	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 60,561	Pelham	Yes	\$ 24.86	\$ 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	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.					
Sunrise Estates	Station Replacement (design)	2003613	\$ 40,000		0.1 DSRR		CoBank	No	\$ -	\$ -	\$ 30,000	\$ 30,000	\$ 7,805	Middleton	No	\$ 33.55	\$ -						
Londonderry Core Re-Chloramination	Re-chloramination Evaluation and Preliminary Design	2003760	\$ 35,000		0.1 DSRR		CoBank	No	\$ -	\$ 35,000	\$ 35,000	\$ 35,000	\$ 11,820	Londonderry	No	\$ 24.78	\$ -	Design costs incorporated into Station rebuild above.					
Atkinson Booster pump station design	Atkinson Booster pump station design	2000717	\$ 30,000		0.1 DSRR		CoBank	No	\$ -	\$ -	\$ -	\$ 3,000	\$ -	Atkinson	Yes	\$ 22.84	\$ -	Costs incorporated in Atkinson Station rebuild below.					
Booster 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.					
Well Pump replacements	Well Pump replacements	760 - 763 workorders	\$ 40,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 40,000	\$ 16,000	\$ 15,000	\$ 15,000	\$ 14,665	Various	Yes	\$ 27.23	\$ 399	4 Well Pumps Repaired/Replaced through 12/31/2020.					
Chemical Feed pump replacements	Chemical Feed pump replacements	760 - 763 workorders	\$ 10,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 10,000	\$ 5,000	\$ 2,000	\$ 2,000	\$ 1,695	Various	Yes	\$ 27.23	\$ 46	1 Chemical Feed Pump Repaired/Replaced through 12/31/2020.					
Install/replace treatment systems in small CWS.	Install/replace treatment systems in small CWS.	n/a	\$ 25,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 25,000	\$ -	\$ -	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.					
Misc. Structural Improvements	Misc. Structural Improvements	n/a	\$ 20,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 20,000	\$ 10,000	\$ 5,000	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.					
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	\$ 10,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 10,000	\$ 5,000	\$ -	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.					
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	n/a	\$ 30,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 30,000	\$ 27,602	\$ -	\$ 5,000	\$ -	Various	Yes	\$ 27.23	\$ -	See projects below.					
Miscellaneous SCADA/Electrical	Replace Well #1 VFD, Lamplighter Village	2001215	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ 2,398	\$ 2,398	\$ 2,398	\$ 2,398	Windham	Yes	\$ 23.89	\$ 57						
Miscellaneous SCADA/Electrical	Replace Pump #4 VFD, Liberty Tree	2005248	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ 1,735	\$ 1,735	\$ 1,735	Raymond	Yes	\$ 30.53	\$ 53						
Miscellaneous SCADA/Electrical	Replace Pump #1 VFD, Liberty Tree	2006387	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ 1,735	\$ 1,735	\$ 1,735	Raymond	Yes	\$ 30.53	\$ 53						
Well Rehabilitation	Well Rehabilitation	n/a	\$ 60,000	DW21-102	26,507	8/6/2021	CoBank	No	\$ -	\$ 15,000	\$ 15,000	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.					
Atkinson Station Rebuild	Station cannot provide required fire flow. Hydropneumatic tank is in need of	n/a	\$ 500,000	DW21-102	26,507	8/6/2021	CoBank	No	\$ -	\$ -	\$ -	\$ -	\$ -	Atkinson	Yes	\$ 22.84	\$ -	Project deferred into 2021 subject to evaluation of financial analysis of rebuilding the station vs. interconnectoin with HAWC.					
Install 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	\$ 17,901	\$ 17,901	\$ -	Various	Yes	\$ 27.23	\$ -						
Install web based communication equipment, 4 locations.	Fletcher's Corner, Install Cellular Based Communication	2002270	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ 2,099	\$ 2,099	\$ 2,099	\$ 2,099	Various	Yes	\$ 27.23	\$ 57						
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	\$ -	DW21-102	26,507	8/6/2021	DWGTFF/CoBank	No	\$ -	\$ 125,000	\$ 125,000	\$ -	\$ -	Windham	Yes	\$ 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.					
New Services (5)	Single Family, Owner Build, New Homes	720 workorders	\$ 25,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 25,000	\$ 15,000	\$ 7,950	\$ 10,586	\$ 10,586	Various	Yes	\$ 27.23	\$ 288	2 new services installed through 12/31/2020.					
Renewed Services (10)	Replacement of failed services.	721 & 722 workorders	\$ 55,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 55,000	\$ 1,912	\$ 7,014	\$ 7,014	\$ 10,137	Various	Yes	\$ 27.23	\$ 276	5 Renewed Service installed through 12/31/2020.					
Hydrants (5)	Replacement of non-functional hydrants.	730 & 731 workorders	\$ 30,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 30,000	\$ 18,000	\$ 18,000	\$ 6,000	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.					
Meters 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	26,507	8/6/2021	CoBank	Yes	\$ 22,000	\$ 30,000	\$ 26,000	\$ 26,000	\$ 25,672	Various	Yes	\$ 27.23	\$ 699	235 Meters installed/replaced through 12/31/2020 - This is new and replacements together.					
Gates (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	\$ 17,972	Various	Yes	\$ 27.23	\$ 487	5 Gates Installed/Repaired through 12/31/2020.					
Radios (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.					
Meters (Growth) 5/8"-2" - PEU (220)	New meters for new customers (220).	750 workorders	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	Incorporated in Row 48 above.					
PEU-PWW Interconnection	PEU-PWW Interconnection	2007474	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 3,449	Merrimack	Yes	\$ 28.84	\$ 99						
MSDC Payment to Manchester Water Works	MSDC Payment to Manchester Water Works	2009024	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 127,007	Various	No	\$ 27.23	\$ -						
Interest on CoBank FALOC	Short term interest from 11/23/2020 - 7/31/2021		\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ 16,000	\$ 16,158	Various	No	\$ 27.23	\$ -	Anticipates closing on CoBank long term loan to pay off CoBank FALOC on 8/1/2021.					
Pennichuck East Utilities Projected 2020 Total Capital Expenditure Budget -			\$ 4,737,000																				
2020 0.1 DSRR funded projects -																							
Pennichuck East Utilities Projected 2020 QCPAC Eligible Capital Investment less 0.1 DSRR funded projects -																							
Funded with CoBank Loan ³ -																							
Funded with SRF ⁴ -																							
																		Total projected P&I on debt incurred to support 2020 used and useful capex -		\$ 225,542	\$ 210,654	\$ 258,864	\$ 270,766

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 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 resulting in P&I of \$ 73,139 \$ 83,447 \$ 194,997 \$ 196,697
5. Projected SRF Terms for Locke Lake project are 30 Years at 2.704% resulting in P&I of \$ 232,853

232,853
resulting in P&I of

\$

Pennichuck East Utilities, Inc.
DW 23-013
2021 used and useful QCP's
2/13/2023

PEU QCPAC Filing
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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 (l)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since Petition Filing
Locke Lake Surface Water Treatment ¹	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 Evalution 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 Decommission	Nesenkeag Well Decommission	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 evalution 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	Rysmond	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			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			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			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		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		DWGTFF	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 FaLLOC	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 FaLLOC on 8/1/2022.

Pennichuck East Utilities Projected 2021 Total Capital Expenditure Budget -			\$ 2,748,501					\$ 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
								\$ 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					\$ 2,688,501	\$ 1,669,000	\$ 1,171,950	\$ 1,198,031	\$ 897,936	Final CoBank Loan Amount						
								\$ 2,455,648	\$ 1,436,147	\$ 939,950	\$ 966,031	\$ 665,083	\$ 655,936						
								\$ 232,853	\$ 232,853	\$ 232,000	\$ 232,000	\$ 232,853							
W&E project to be funded with DWGTFF 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%

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

		6/30/2021 Update	9/30/2021 Update	11/30/2021 Update	12/31/2021	Final CoBank Loan
resulting in P&I of	\$	213,767	\$ 125,018	\$ 81,824	\$ 84,094	\$ 57,896
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
						\$ 68,530

Pennichuck East Utilities, Inc.
DW 23-013
2022 used and useful QCP's
2/13/2023
8/28/2023 Updated per DOE DR Set 1
9/25/2023 Updated per DOE DR Set 2

PEU QCPAC Filing
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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	Final Project cost as of 12/31/2022	Community	Taxable	Tax Rate (I)	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			0.1 DSRR		No	\$ 113,134	Londonderry	No	\$ 23.90	\$ -	Project still going through Town permitting process. SS are for engineering and will be 0.1 DSRR.
W&E Treatment Improvements	Station Improvements to dechloraminate and rechlorinate	n/a	\$ 35,000	DWGTf		Pending Filing	DWGTf	Yes	\$ -	Windham	Yes	\$ 25.08	\$ -	Included with Line Below
W&E Water Main Improvements	Interconnection to Southern NH Regional Water Sys.	2200453	\$ 454,000	DWGTf/CoBank		Pending Filing	DWGTf	Yes	\$ 471,847	Windham	Yes	\$ 25.08	\$ 11,834	
Investment in Developer Services	1x Annual Revenue	Routine	\$ 100,000	CoBank		Pending Filing	CoBank	Yes	\$ 55,163	Various	Yes	\$ 24.70	\$ 1,363	82 Developer Installed Servicesin 2022
Gage Hill Main Replacement	Vassar Dr & Pumping Station - Gage Hill	2207843 & 1702834	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ 239,832	Pelham	Yes	\$ 22.99	\$ 5,514	Does not include cost of finish paving in 2023
Gage Hill Main Replacement	Wellesley Drive - Gage Hill	2207844	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ 214,062	Pelham	Yes	\$ 22.99	\$ 4,921	Does not include cost of finish paving in 2023
Gage Hill Main Replacement	Raddcliffe Drive - Gage Hill	2207845	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ 102,311	Pelham	Yes	\$ 22.99	\$ 2,352	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	\$ 22,402	Pelham	Yes	\$ 22.99	\$ 515	Does not include cost of finish paving in 2023
Locke Lake Well Pump Replacement	Locke Lake Well Pump Replacement	2206575	\$ -	CoBank		Pending Filing	CoBank	No	\$ -	Barnstead	Yes	\$ 26.82	\$ -	Project not completed and used and useful before 12/31/2022.
2302 West Side Rd Meter Pit Replacement	2302 West Side Rd Meter Pit Replacement	2203887	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ -	Conway	Yes	\$ 23.23	\$ -	Supply chain issues. Meter pit ordered in May of 2022. Pit not delivered until last week of Dec 2022. Install will happen in 2023.
Install New Water Serice to Existing Customer	Install New Water Service 2396 W Side Dr	2207058	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 866	Conway	Yes	\$ 23.23	\$ 20	2023 cost was clean up associated with December 2022 service install. See 2021 QCPAC tab, row 49.
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	Routine				0.1 DSRR	0.1 DSRR	Yes	\$ 30,856	Various	Yes	\$ 24.70	\$ 762	12 Booster pumps were replaced in 2022. A portion of that work was funded with 0.1 DSRR funds and the remainder will be funded with a loan from CoBank.
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	Routine	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 3,870	Various	Yes	\$ 24.70	\$ 96	
Booster Pump replacement/rebuild	Replace VFD, Booster2, Fletcher's Corner	2200771	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 2,714	Windham	Yes	\$ 25.08	\$ 68	
Booster Pump replacement/rebuild	Replace VFD Booster #1, Daniels Lake	2202067	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 3,226	Ware	Yes	\$ 22.91	\$ 74	
Booster Pump replacement/rebuild	Replace Booster 1 VFD, Fletcher	2203979	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 2,702	Windham	Yes	\$ 25.08	\$ 68	
Well Pump replacements	Well Pump replacements	Routine	\$ 40,000			0.1 DSRR	0.1 DSRR	Yes	\$ 46,432	Various	Yes	\$ 24.70	\$ 1,147	7 well pumps replaced/repared in 2022. Funding of these well pumps divided between CoBank and 0.1 DSRR funds.
Well Pump replacements	Well Pump replacements	Routine		CoBank		Pending Filing	CoBank	Yes	\$ 8,058	Various	Yes	\$ 24.70	\$ 199	
Chemical Feed pump replacements	Chemical Feed pump replacements	Routine	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ -	Various	Yes	\$ 24.70	\$ -	0 completed in 2022
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	\$ -	Various	Yes	\$ 24.70	\$ -	
Castle Reach PFOA filtration system	Install filters in Castle Reach CWS booster Station to remove PFOA	2300511	\$ -			0.1 DSRR	0.1 DSRR	No	\$ -	Windham	Yes	\$ 25.08	\$ -	3rd quarter PFOA violation required installation of treatment. Filters installed but not used and useful as filter media is not available due to supply chain issues.
Pioneer Park Arsenic Filtration system	Install filters in Pioneer Park CWS booster Station to remove Arsenic	2300449	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ 16,244	Atkinson	Yes	\$ 17.86	\$ 290	Raw Water levels of arsenic exceeded 5 ppb State Drinking Water Standing during the third quarter requiring the installation of filtration.
Misc. Structural Improvements	Misc. Structural Improvements	n/a	\$ 20,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	\$ 10,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	n/a	\$ 40,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	0 completed in 2022
Miscellaneous SCADA/Electrical	Replace Chlorine Analyzer - White Rock	2204658	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 4,453	Bow	Yes	\$ 31.81	\$ 142	
Well Rehabilitation	Well Rehabilitation	n/a	\$ 60,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	0 completed in 2022
Replace PLC @ W&E CWS	Replace PLC @ W&E CWS	n/a	\$ 18,000	CoBank		Pending Filing	CoBank	Yes		Windham	Yes	\$ 25.08	\$ -	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			0.1 DSRR	CoBank	Yes	\$ 9,257	Barnstead	Yes	\$ 26.82	\$ 248	
Install web based communication equipment, 4 locations	Install web based communication equipment, 4 locations	n/a	\$ 20,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	1 completed in 2022 (see row below).
Install web based communication equipment, 4 locations	Install GS 300 RTU, Castle Reach	2202068	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 2,063	Windham	Yes	\$ 25.08	\$ 52	
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		Conway	No	\$ 23.23	\$ -	Payment due. Waiting on a bill from the North Conway Water Precinct.
Peacham Treatment Facility Backwash Tank Upgrade	Peacham Treatment Facility Backwash Tank Upgrade	2208042	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 7,420	Barnstead	Yes	\$ 26.82	\$ 199	
Replace VFD Booster Pump 2 at Meadowview	Replace VFD Booster Pump 2 at Meadowview	2208990	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 5,507	Pelham	Yes	\$ 22.99	\$ 127	
New Services (5)	Single Family, Owner Build, New Homes	Routine	\$ 25,000			0.1 DSRR	0.1 DSRR	Yes	\$ 145,256	Various	Yes	\$ 24.70	\$ 3,588	20 services installed in 2022.
Renewed Services (10)	Replacement of failed services. 8 dual Services at Locke Lake per NHDES CAP	Routine	\$ 55,000			0.1 DSRR	0.1 DSRR	Yes	\$ 21,202	Various	Yes	\$ 24.70	\$ 524	9 Services renewed in 2022.
Hydrants (5)	Replacement of non functional hydrants	Routine	\$ 30,000			0.1 DSRR	0.1 DSRR	Yes	\$ 9,952	Various	Yes	\$ 24.70	\$ 246	1 Hydrants installed/repared in 2022.
Gates (10)	Replacement of Failed Gate Valves	Routine	\$ 40,000			0.1 DSRR	0.1 DSRR	Yes	\$ 35,889	Various	Yes	\$ 24.70	\$ 886	6 Gate valves replaced/repared in 2022.
Radios (220)	New Customers (220)	Routine	\$ 23,100	CoBank		Pending Filing	CoBank	Yes	\$ 13,660	Various	Yes	\$ 24.70	\$ 337	133 Radios installed in 2022.
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	\$ 45,414	Various	Yes	\$ 24.70	\$ 1,122	198 Meters installed in 2022.
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		Various	Yes	\$ 24.70	\$ -	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			0.1 DSRR	0.1 DSRR	Yes	\$ 84,645	Various	Yes	\$ 24.70	\$ 2,091	882 Radios replaced in 2022.
DWGTf W&E Interconnection Contruction interest	Interst through interst change date on 7/31/2023	n/a	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ 19,424	N/A	No	N/A	\$ -	Construction Interest accrued at 1% on outstanding loan balance until July 31, 2023.
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	\$ 41,228	N/A	No	N/A	\$ -	Anticipates closing on CoBank long term loan to pay off CoBank FALOC on 10/1/2023.
Pennichuck East Utilities Projected 2022 Total Capital Expenditure Budget -			\$ 2,911,100	Projected annual property tax expenses for QCPAC eligible projects -										\$ 38,783
				\$ 1,779,091										

Pennichuck East Utilities Projected 2022 QCPAC Eligible Capital Investment -	\$ 1,779,091	exclusive of 2021 W&E Investment
Add in 2021 W&E connection expenditures to be funded by DWGTf Loan/Grant -	\$ 221,787	
Total Capex to be funded in 2022 with QCPAC -	\$ 2,000,878	
Funded with CoBank Loan ³ -	\$ 744,839	
Funded with DWGTf loan ⁴ -	\$ 482,135	
Funded with DWGWTF Grant -	\$ 211,500	
Funding with 0.1 DSRR -	\$ 525,575	
2023 0.1 DSRR funds -	\$ 36,829	

1. Tax rate is the sum of the local community rate as of Dec 2022 plus the Statewide Utility tax rate of \$6.60/\$1000
2. The 2022 PEU Capital Expenditures Budget presented was 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. Remaining \$11,301 of DWGTf loan was for paving, loaning and seeding of this project that was not completed until May of 2023. The P&I associated with this part of the loan will be sought as part of the 2024 QCPAC request.
6. Available 0.1 DSRR at end of 2022
7. An additional
- 25 Years at 7.25%
- 25 Years at 1.57%
- resulting in P&I of \$ 65,361
- resulting in P&I of \$ 23,466
- Total P&I to support proposed QCPAC eligible 2022 Capex - \$ 88,827
- Based on 12/31/2022
- 7.25% to reflect projected interest rates in 2023
- \$ 525,575 will be used to fund projects based on current projection that 2022 PEU RSF balance exceeds target Combined RSF amount of \$980,000
- \$ 36,829 of 0.1 DSRR money from 2023 will be used to cover the additional interest incurred on the CoBank and DWGTf loans to limit the CoBank Loan to the amount of \$ 744,775 that was approved in DW 23-046.

Pennichuck East Utilities, Inc.
DW 23-013
Projected 2023 QCPAC Capital Expenditures
2/13/2023
8/28/2023 Updated per DOE DR Set 1

PEU QCPAC Filing
Exhibit DLW-1
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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
Londonderry System Improvements	1.25 MG Tank, 16 Inch Transmission Main, & 3,500 gpm Booster Station		\$ 600,000	CoBank		Pending Filing	CoBank	Yes	\$ 600,000	Londonderry	Yes	\$ 23.90	\$ 14,340
Sunrise Estates - Middleton NH	Station and Storage Tank Replacement		\$ 500,000	CoBank		Pending Filing	CoBank	Yes	\$ 500,000	Middleton	Yes	\$ 31.72	\$ 15,860
Gage Hill - Pelham	Water Main Replacement Replace Approx. 4800 LF of 2 PE with 4 inch C-900 PVC - Paving only		\$ 700,000	CoBank		Pending Filing	CoBank	Yes	\$ 700,000	Pelham	Yes	\$ 22.99	\$ 16,093
Investment in Developer Services	1x Annual Revenue		\$ 150,000	CoBank		Pending Filing	CoBank	Yes	\$ 150,000	Various	Yes	\$ 24.70	\$ 3,705
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Well Pump replacements	Well Pump replacements		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Chemical Feed pump replacements	Chemical Feed pump replacements		\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.70	\$ 247
Install/replace treatment systems in small CWS (PFOA/Mn/Arsenic treatment systems)	Install/replace treatment systems in small CWS (supplemental Arsenic treatment systems		\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.70	\$ 1,235
Misc. Structural Improvements	Misc. Structural Improvements - roof re-build/repair W and E, Harvest Village, Castle Reach		\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.70	\$ 1,235
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects		\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.70	\$ 247
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Well Rehabilitation	Well Rehabilitation		\$ 60,000	CoBank		Pending Filing	CoBank	Yes	\$ 60,000	Various	Yes	\$ 24.70	\$ 1,482
Install web based communication equipment, 4 locations	Install web based communication equipment, 4 locations		\$ 20,000	CoBank		Pending Filing	CoBank	Yes	\$ 20,000	Various	Yes	\$ 24.70	\$ 494
New Services (5)	Single Family, Owner Build, New Homes		\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Renewed Services (20)	Replacement of failed services (5)		\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Renewed Services - Locke Lake (15)	Renewal of Main to Stop portion of servicesin Locke Lake per DES Order (15)		\$ 90,000	CoBank		Pending Filing	CoBank	Yes	\$ 90,000	Various	Yes	\$ 24.70	\$ 2,223
Hydrants (5)	Replacement of non functional hydrants (5)		\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Gates (10)	Replacement of Failed Gate Valves (10)		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Radios - PFOA (50)	New Radios for PFOA customers (50)		\$ 6,000	CoBank		Pending Filing	CoBank	Yes	\$ 6,000	Various	Yes	\$ 24.70	\$ 148
Radios (150)	New Customers (150)		\$ 18,000	CoBank		Pending Filing	CoBank	Yes	\$ 18,000	Various	Yes	\$ 24.70	\$ 445
New meters for new customers (150)	New meters for new customers (150)		\$ 19,000	CoBank		Pending Filing	CoBank	Yes	\$ 19,000	Various	Yes	\$ 24.70	\$ 469
New Meter - PFOA (50)	New Metere for PFOA Customers (50)		\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.70	\$ 154
Replacement of failed meters (50)	Replacement of failed meters (50)		\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.70	\$ 154
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter (400)		\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.70	\$ 1,235
2023 Radios (700)	Year 3 of 10 year replacement of all PEU radios (all initial radios installed in 2007) (700)		\$ 91,000	CoBank		Pending Filing	CoBank	Yes	\$ 91,000	Various	Yes	\$ 24.70	\$ 2,248
Interest on CoBank FALOC	Short term interest from 8/1/2023 - 7/31/2024		\$ 14,100	CoBank		Pending Filing	CoBank	Yes	\$ 14,100	Various	No	N/A	\$ -
Pennichuck East Utilities Projected 2024 Total Capital Expenditure Budget -									\$ 2,700,600	Projected annual property tax expenses for QCPAC eligible projects -			\$ 68,190
Pennichuck East Utilities Projected 2024 Total Capital Expenditures funded by CoBank Loan -									\$ 2,700,600				

1. Tax rate is the sum of the local community rate as of Dec 2022 plus the Statewide Utility tax rate of \$6.60/\$1000

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

3. Projected CoBank Loan Terms are 25 Years at 7.25% resulting in P&I of \$ 236,983

Pennichuck East Utilities, Inc.
DW 23-013
Projected 2024 QCPAC Capital Expenditures
2/13/2023
8/28/2023 Updated per DOE DR Set 1

PEU QCPAC Filing
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Project Name/Description	Project Description	2024 Approved Budgeted Amount (2)	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Source of Funding	Eligible for 2024 QCPAC Surcharge	Eligible for 2024 QCPAC Surcharge	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense
New Services (5)	Single Family, Owner Build, New Homes	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Renewed Services (20)	Replacement of failed services (5)	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Renewed Services - Locke Lake (15)	Renewal of Main to Stop portion of servicesin Locke Lake per DES Order (15)	\$ 90,000	CoBank		Pending Filing	CoBank	Yes	\$ 90,000	Various	Yes	\$ 24.70	\$ 2,223
Hydrants (5)	Replacement of non functional hydrants (5)	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Gates (10)	Replacement of Failed Gate Valves (10)	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Radios - PFOA (50)	New Radios for PFOA customers (50)	\$ 6,000	CoBank		Pending Filing	CoBank	Yes	\$ 6,000	Various	Yes	\$ 24.70	\$ 148
Radios (150)	New Customers (150)	\$ 18,000	CoBank		Pending Filing	CoBank	Yes	\$ 18,000	Various	Yes	\$ 24.70	\$ 445
New meters for new customers (150)	New meters for new customers (150)	\$ 19,000	CoBank		Pending Filing	CoBank	Yes	\$ 19,000	Various	Yes	\$ 24.70	\$ 469
New Meter - PFOA (50)	New Metere for PFOA Customers (50)	\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.70	\$ 154
Replacement of failed meters (50)	Replacement of failed meters (50)	\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.70	\$ 154
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter (400)	\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.70	\$ 1,235
2024 Radios (700)	Year 4 of 10 year replacement of all PEU radios (all initial radios installed in 2007) (700)	\$ 91,000	CoBank		Pending Filing	CoBank	Yes	\$ 91,000	Various	Yes	\$ 24.70	\$ 2,248
Londonderry System Improvements	1.25 MG Tank, 16 Inch Transmission Main, & 3,500 gpm Booster Station	\$ 1,100,000	CoBank		Pending Filing	CoBank	Yes	\$ 1,100,000	Londonderry	Yes	\$ 23.90	\$ 26,290
Investment in Developer Services	1x Annual Revenue	\$ 150,000	CoBank		Pending Filing	CoBank	Yes	\$ 150,000	Various	Yes	\$ 24.70	\$ 3,705
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Well Pump replacements	Well Pump replacements	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Chemical Feed pump replacements	Chemical Feed pump replacements	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.70	\$ 247
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	\$ 24.70	\$ 618
Misc. Structural Improvements	Misc. Structural Improvements	\$ 20,000	CoBank		Pending Filing	CoBank	Yes	\$ 20,000	Various	Yes	\$ 24.70	\$ 494
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.70	\$ 247
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Well Rehabilitation	Well Rehabilitation	\$ 60,000	CoBank		Pending Filing	CoBank	Yes	\$ 60,000	Various	Yes	\$ 24.70	\$ 1,482
Web based Communications 3 locations	Web based Communications 3 locations	\$ 18,000	CoBank		Pending Filing	CoBank	Yes	\$ 18,000	Various	Yes	\$ 24.70	\$ 445
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 -		\$ 1,943,600	Pennichuck East Utilities Projected 2024 QCPAC Eligible Capital Investment -		\$ 1,943,600		Projected annual property tax expenses for QCPAC eligible projects -		\$ 46,779			
					Funded with CoBank Loan ³ -		\$ 1,943,600					

1. Tax rate is the sum of the local community rate as of Dec 2022 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 2023.
3. Projected CoBank Loan Terms are 25 Years at 7.25% resulting in P&I of \$ 170,555

Pennichuck East Utilities, Inc.
DW 23-013
Projected 2025 QCPAC Capital Expenditures
2/13/2023
8/28/2023 Updated per DOE DR Set 1

PEU QCPAC Filing
Exhibit DLW-1
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Project Name/Description	Project Description	2025 Approved Budgeted Amount (2)	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Source of Funding	Eligible for 2025 QCPAC Surcharge	Eligible for 2024 QCPAC Surcharge	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense
New Services (5)	Single Family, Owner Build, New Homes	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Renewed Services (20)	Replacement of failed services (5)	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Renewed Services - Locke Lake (15)	Renewal of Main to Stop portion of servicesin Locke Lake per DES Order (15)	\$ 90,000	CoBank		Pending Filing	CoBank	Yes	\$ 90,000	Various	Yes	\$ 24.70	\$ 2,223
Hydrants (5)	Replacement of non functional hydrants (5)	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Gates (10)	Replacement of Failed Gate Valves (10)	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Radios - PFOA (50)	New Radios for PFOA customers (50)	\$ 6,000	CoBank		Pending Filing	CoBank	Yes	\$ 6,000	Various	Yes	\$ 24.70	\$ 148
Radios (150)	New Customers (150)	\$ 18,000	CoBank		Pending Filing	CoBank	Yes	\$ 18,000	Various	Yes	\$ 24.70	\$ 445
New meters for new customers (150)	New meters for new customers (150)	\$ 19,000	CoBank		Pending Filing	CoBank	Yes	\$ 19,000	Various	Yes	\$ 24.70	\$ 469
New Meter - PFOA (50)	New Metere for PFOA Customers (50)	\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.70	\$ 154
Replacement of failed meters (50)	Replacement of failed meters (50)	\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.70	\$ 154
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter (400)	\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.70	\$ 1,235
2025 Radios (700)	Year 5 of 10 year replacement of all PEU radios (all initial radios installed in 2007) (700)	\$ 91,000	CoBank		Pending Filing	CoBank	Yes	\$ 91,000	Various	Yes	\$ 24.70	\$ 2,248
Investment in Developer Services	1x Annual Revenue	\$ 150,000	CoBank		Pending Filing	CoBank	Yes	\$ 150,000	Various	Yes	\$ 24.70	\$ 3,705
Atkinson Pioneer Park	Booster Station and Storage Tank Replacement	\$ 800,000	CoBank		Pending Filing	CoBank	Yes	\$ 800,000	Atkinson	Yes	\$ 17.86	\$ 14,288
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Well Pump replacements	Well Pump replacements	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Chemical Feed pump replacements	Chemical Feed pump replacements	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.70	\$ 247
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	\$ 24.70	\$ 618
Misc. Structural Improvements	Misc. Structural Improvements	\$ 20,000	CoBank		Pending Filing	CoBank	Yes	\$ 20,000	Various	Yes	\$ 24.70	\$ 494
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.70	\$ 247
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Well Rehabilitation	Well Rehabilitation	\$ 60,000	CoBank		Pending Filing	CoBank	Yes	\$ 60,000	Various	Yes	\$ 24.70	\$ 1,482
Interest on CoBank FALOC	Short term interest from 8/1/2025 - 7/31/2026	\$ 14,100	CoBank		Pending Filing	CoBank	Yes	\$ 14,100	Various	No	N/A	\$ -
Pennichuck East Utilities Projected 2025 Total Capital Expenditure Budget -		\$ 1,625,600	Pennichuck East Utilities Projected 2025 QCPAC Eligible Capital Investment -		\$ 1,625,600	Projected annual property tax expenses for QCPAC eligible projects -		\$ 34,332				
					Funded with CoBank Loan ³ -	\$ 1,625,600						

1. Tax rate is the sum of the local community rate as of Dec 2022 plus the Statewide Utility tax rate of \$6.60/\$1000

2. The 2025 PEU Capital Expenditures Budget presented were approved by the Board in January 2023.

3. Projected CoBank Loan Terms are

25 Years at7.25%resulting in P&I of\$142,649

Pennichuck East Utility, Inc.
DW 23-013
2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 2

Date Request Received: 9/12/23
Request No. DOE 2-1

Date of Response: 09/25/2023
Supplemental Response: 09/28/2023
Witness: Donald L. Ware

REQUEST:

Re: Company's response to DOE 1-1(b): Please indicate the status of the anticipated CoBank loan. If finalization of the terms and/or closure of this loan has occurred, please update Exhibit DLW-1, as necessary, to reflect the finalized terms of the loan.

RESPONSE:

The CoBank term loan closed on September 25, 2023. The loan closed with the fixed annual interest rate of 7.26%. An attached, supplemental Exhibit DLW-1 has been updated to reflect the loan terms.

Pennichuck East Utility, Inc.
DW 23-013
2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 2

Date Request Received: 9/12/23
Request No. DOE 2-2

Date of Response: 9/25/2023
Witness: Donald L. Ware

REQUEST:

Re: Company's responses to DOE 1-3 (a) and (b) and Final Audit Report dated 8/2/23, Audit Issue # 2 (Pages 9 and 23): Page 9 of the Final Audit Report states, "*PEU listed the various tax rate as \$24.71, whereas it should have been calculated as \$22.57 due to the incorrect rate for Atkinson.*" Further, the Company appears to concur with this finding in its response to Audit Issue # 2 on Page 23 of the report when it states, "*The Company agrees and will make the change to the Town of Atkinson property tax rate.*" However, the Company's response to DOE 1-3(b) and further supported by Exhibit DOE DR 1-3(a) indicates a calculation of \$24.70 for the various tax rate. Please explain why the various tax rate should not be \$22.57 as indicated on Page 9 of the Final Audit Report and originally agreed to by the Company.

RESPONSE:

The \$22.57 in the Audit report was referring to the Atkinson tax rate, which was shown at \$22.84 in the original filing when it should have been \$17.86. The Company agreed the Atkinson tax rate of \$22.84 in the original "various" community's tax rate calculation should be changed to the correct rate of Atkinson Tax rate of \$17.86. The Company, per audit, changed the Atkinson tax rate in its various tax rate calculations submitted in its response to DOR DR1-3(a) which resulted in the "various tax rate" changing from \$24.71 to \$24.70. The "various tax rate" calculations, the one calculated in response to DOE DR 1-3(a) and the one submitted with original filing are attached to this response at Exhibit DOE DR 2-2. The Company does not know how the Audit originally calculated a various tax rate of \$22.57, as a result of changing the Atkinson Rate from \$22.84 to \$17.86. Please see Exhibit DOE DR 2-2 with the attached calculation supporting the Company's use of a various tax rate of \$24.70.

Pennichuck East Utility, Inc.
DW 23-013
2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 2

Date Request Received: 9/12/23
Request No. DOE 2-3

Date of Response: 9/25/2023
Witness: Donald L. Ware

REQUEST:

Re: Company's response to DOE 1-4 and Exhibit DLW-1 (Updated 8/28/23), Page 4 – 2022 Used and Useful QCP's, Cells O10, O55, O58, and O59: It appears that the sum of the DWGTF financed projects (Cells O10 and O55) is \$693,634 (\$471,847 + \$221,787), but the sum of the indicated DWGTF loan and grant (Cells O58 and O59) is \$693,699 (\$482,199 + \$211,500), for a difference of \$65. Please explain the \$65 difference between the total amount of the DWGTF financed projects of \$693,634 and the total DWGTF financing amount of \$693,699, and whether certain further adjustments should be made to the Company's schedules because of this difference.

RESPONSE:

The difference of \$65 is the difference between the \$11,365 that was used to pay for paving, loam and seeding in 2023 and the final DWGTF loan draw in 2023 of \$11,300.80. The DWGTF loan in Cell O58 was reduced by \$11,300.80 (rounded to \$11,301) when it should have been reduced by \$11,365. This has been corrected on the attached, revised Exhibit DLW-1-7, Page 4 (Cell 058) resulting in the DWGTF loan being reduced to \$693,635 from the initial filing amount of \$693,699.

Pennichuck East Utility, Inc.
DW 23-013
2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 2

Date Request Received: 9/12/23
Request No. DOE 2-4

Date of Response: 09/25/2023
Witness: Donald L. Ware

REQUEST:

Re: Company's response to DOE 1-5 and Exhibit DLW-1 (Updated 8/28/23), Page 4 – 2022 Used and Useful QCP's, Cells O12 – O15: Does the fact that the physical transfer of \$23,343 of inventory to the Gage Hill Project did not occur until 2023 impact the used and usefulness of the \$578,607 of total project cost being proposed for QCPAC recovery in this case? Please explain.

RESPONSE:

No. The \$23,343 of inventory placed in service is not included in the \$578,607 of project costs being sought in this filing. The Company's initial response to Audit Issue #5 was not correct. The Company's response to Audit read, "The \$23,343 in inventory was not released from inventory to the job until April of 2023 and as such did not show up in the 12/31/2022 W/O \$\$." All the inventory in question was used and placed into service prior to 12/31/2022." The response should have read "The \$23,343 in inventory was not released from inventory to the job until April of 2023 and as such did not show up in the 12/31/2022 W/O \$\$." All the inventory in question was placed into service after to 12/31/2022 and as such is not eligible for recovery as part of this QCPAC filing."

Pennichuck East Utility, Inc.

DW 23-013

**2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 2**

Date Request Received: 9/12/23
Request No. DOE 2-5

Date of Response: 9/25/2023
Witness: Donald L. Ware

REQUEST:

Re: Company's response to DOE 1-8 and Exhibit DLW-1 (Updated 8/28/23), Page 4 – 2022 Used and Useful QCP's, Cell O50: Please provide documentation in support of the \$19,423.58 in accrued interest costs on the DWGTF loan through 7/31/23 indicated by the Company in its response.

RESPONSE:

Please see Exhibit DOE DR 2-5 as support to the FALOC interest rate calculation provided in response to DOE 1-4b. This calculation was based on the Company's daily cash flow calculation for the PEU FALOC account. Exhibit DOE DR 2-5 is an account summary printed from the Company's CoBank FALOC account for the time frame over which the FALOC interest was calculated in DOE 1-4b.

Please note that there are slight differences between the CoBank weekly interest rate in the accounting spreadsheet and the CoBank account summary. The principal amount showing in the account summary and that detailed in the accounting spreadsheet match through the end of 2022. The amount shown on the accounting spreadsheet in 2023 versus the amount detailed in the CoBank account summary differ in 2023 because there have been monies drawn on the CoBank FALOC loan in 2023 that are associated with 2022 QCP's. These will ultimately be funded with 0.1 DSRR funds upon approval of the QCPAC, as opposed to borrowing from the CoBank Final Loan. The current CoBank FALOC principal amount of \$1,103,365 exceeds the amount of \$720,952 (Final projected CoBank loan amount) shown on the accounting daily worksheet with the difference being the portion of the Company's payment of certain 2022 QCP's with 0.1 DSRR cash. Please note that the amount of interest incurred on 2022 QCP's from 10/19/2022 through 9/18/2023 has been \$58,697 (per the attached account summary) as opposed to the projected amount of \$41,228 (as calculated and presented in Attachment DOE 1-4b). The difference in the interest amounts reflects the interest incurred on the CoBank FALOC loan associated with funds borrowed to pay for 2022 QCP's that will ultimately be paid for with 0.1 DSRR cash.

Pennichuck East Utilities, Inc.
DW 23-013
Computation of QCPAC Surcharge
2/13/2023
8/28/2023 Updated per DOE DR Set 1
9/25/2023 Updated per DOE DR Set 2
9/28/2023 Revised to reflect final terms of CoBank Loan

PEU QCPAC Filing
Exhibit DLW-1
Page 1

	Requested DW 20-156 Revenue Requirements			Completed 2020 Qualified Capital Project pro formas			Approved QCPAC Surcharge for 2020 Capital Additions			Completed 2021 Qualified Capital Project pro formas			Approved QCPAC Surcharge for 2021 Capital Additions			Completed 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			Projected QCPAC For 2025 Capital Additions pro formas			Projected QCPAC Surcharge for 2025 Capital Additions		
City Bond Fixed Revenue Requirement (CBFRR)	\$	926,309		\$	926,309		\$	-	\$	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	\$	38,783	(5)	\$	7,150,547	\$	68,190	(5)	\$	7,218,737	\$	(23,221)	(5)(10)	\$	7,195,516	\$	34,332	(5)	\$	7,229,848						
Operating Expense Contingency		1.04	(2)		1.04			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					7,429,841					7,498,030					7,474,809																
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	\$	68,530	(7)	\$	2,078,694	\$	91,515	(13)	\$	2,170,209	\$	236,983	(14)	\$	2,407,192	\$	170,555	(14)	\$	2,577,746	\$	142,649	(14)	\$	2,720,396						
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			2,286,564					2,387,230					2,647,911					2,835,521																
Revenue Requirement exclusive of NCCRS	\$	10,160,719		\$	10,567,817			10,663,374					10,802,823					11,131,694					11,296,083																
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			10,633,186					10,772,635					11,101,506					11,265,895																
Revenues subject to QCPAC	\$	10,130,531		\$	10,537,629			10,633,186					10,772,635					11,101,506					11,265,895																
Projected QCPAC Increase (8)					4.02%			0.94%					1.38%					3.25%					1.62%																
Cumulative QCPAC increase (9)					4.02%			4.96%					6.34%					9.58%					11.21%																
Cumulative QCPAC monthly increase in average single family residential bill				\$	3.39			4.18					5.34					8.08					9.45																
Average monthly single family residential bill with QCPAC				\$	87.70			88.49					89.65					92.39					93.76																

Notes:

(1) Operating Expense Revenue requirement is the sum of the Total Operating Expenses and Property Tax Expense approved in DW20-156. It does not include Amortization Expense.

(2) Material operating expense factor approved in DW20-156.

(3) Annual Principal and interest payments for PEU debt associated with plant in serviceapproved 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 a 25 year term loan with an actual total all in interest rate of 7.16% 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 poject 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

(13) Portion of Annual Principal and interest payments paid to CoBank for debt associated with plant a placed in service between 1/1/2022 and 12/31/2022 for designated year based on a 25 year term loan with an actual total all in interest rate of 7.26%

(14) 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 2023, 2024 and 2025 based on a 25 year term loan with an actual total all in interest rate of 7.25%

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

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PEU QCPAC Filing
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Project Name/Description	Project Description	Work Order #	Board Approved 2020 Capex Budget	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 6/30/2020	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 Expense	Explanation for Change/Addition/Deletion since Petition Filing					
Elevated 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	\$ -	\$ -	\$ -	\$ -	\$ -	Londonderry	Yes	\$ 24.78	\$ -	Project deferred to 2021 due to permitting.					
Middleton 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	\$ -	\$ 340,000	\$ -	\$ -	\$ -	Middleton	Yes	\$ 33.55	\$ -	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.	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					
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	11/16/2018	SRF	Yes	\$ 10,000	\$ 10,000	\$ -	\$ 1,056,000	\$ 966,252	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 Company will not be closing on the loan supporting these capital improvements until June 2021 so 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	11/16/2018	SRF	Yes	\$ 10,000	\$ 10,000	\$ -	\$ -	\$ -	Barnstead	Yes	\$ 27.84	\$ -						
N.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	11/16/2018	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.					
Belmont 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	11/16/2018	SRF	Yes	\$ 5,000	\$ 5,000	\$ -	\$ -	\$ -	Barnstead	Yes	\$ 27.84	\$ -	Deferred					
Route 28 Replacement	Replace 720 LF of 2" PE with 720 LF of 4" C-900 PVC.	2000370	\$ 80,000	DW18-132	26,189	11/16/2018	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.					
Locke Lake Surface Water Treatment ⁴	Intake & Treatment Facility Construction	1813409, 1900433, 2000369	\$ 835,000	DW18-132	26,189	11/16/2018	SRF	Yes	\$ -	\$ 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 in 2020 than anticipated, therefore there will be less cost in 2021					
Locke Lake Surface Water Treatment ⁴	Intake & Treatment Facility Construction	1813409, 1900433, 2000369	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes					\$ 175,334	Barnstead	Yes	\$ 27.84	\$ 4,881	Locke Lake project investment that exceeds the available loan amount of \$4,240,000. 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	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 32,000	\$ 32,000	\$ 32,000	\$ 32,000	\$ 27,400	Plaistow	Yes	\$ 26.20	\$ 718						
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 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	\$ 24.86	\$ 8,275	Project scope expanded for streets listed below over original budget.					
Pelham Main Replacement/Addition	Replace Lane Road.	2003563	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 182,102	Pelham	Yes	\$ 24.86	\$ 4,527	Work on this street is in project total for Monticello & Lane Project above.					
Pelham Main Replacement/Addition	Replace Simpson Road.	2003564	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 19,527	Pelham	Yes	\$ 24.86	\$ 485	Work on this street is in project total for Monticello & Lane Project above.					
Pelham Main Replacement/Addition	Replace Andrea Lane.	2003565	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ -	Pelham	Yes	\$ 24.86	\$ -	Work on this street is in project total for Monticello & Lane Project above.					
Pelham Main Replacement/Addition	Replace Mount Vernon Drive.	2004325	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 60,561	Pelham	Yes	\$ 24.86	\$ 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	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.					
Sunrise Estates	Station Replacement (design)	2003613	\$ 40,000		0.1 DSRR		CoBank	No	\$ -	\$ -	\$ 30,000	\$ 30,000	\$ 7,805	Middleton	No	\$ 33.55	\$ -						
Londonderry Core Re-Chloramination	Re-chloramination Evaluation and Preliminary Design	2003760	\$ 35,000		0.1 DSRR		CoBank	No	\$ -	\$ 35,000	\$ 35,000	\$ 35,000	\$ 11,820	Londonderry	No	\$ 24.78	\$ -	Design costs incorporated into Station rebuild above.					
Atkinson Booster pump station design	Atkinson Booster pump station design	2000717	\$ 30,000		0.1 DSRR		CoBank	No	\$ -	\$ -	\$ -	\$ 3,000	\$ -	Atkinson	Yes	\$ 22.84	\$ -	Costs incorporated in Atkinson Station rebuild below.					
Booster 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.					
Well Pump replacements	Well Pump replacements	760 - 763 workorders	\$ 40,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 40,000	\$ 16,000	\$ 15,000	\$ 15,000	\$ 14,665	Various	Yes	\$ 27.23	\$ 399	4 Well Pumps Repaired/Replaced through 12/31/2020.					
Chemical Feed pump replacements	Chemical Feed pump replacements	760 - 763 workorders	\$ 10,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 10,000	\$ 5,000	\$ 2,000	\$ 2,000	\$ 1,695	Various	Yes	\$ 27.23	\$ 46	1 Chemical Feed Pump Repaired/Replaced through 12/31/2020.					
Install/replace treatment systems in small CWS.	Install/replace treatment systems in small CWS.	n/a	\$ 25,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 25,000	\$ -	\$ -	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.					
Misc. Structural Improvements	Misc. Structural Improvements	n/a	\$ 20,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 20,000	\$ 10,000	\$ 5,000	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.					
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	\$ 10,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 10,000	\$ 5,000	\$ -	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.					
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	n/a	\$ 30,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 30,000	\$ 27,602	\$ -	\$ 5,000	\$ -	Various	Yes	\$ 27.23	\$ -	See projects below.					
Miscellaneous SCADA/Electrical	Replace Well #1 VFD, Lamplighter Village	2001215	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ 2,398	\$ 2,398	\$ 2,398	\$ 2,398	Windham	Yes	\$ 23.89	\$ 57						
Miscellaneous SCADA/Electrical	Replace Pump #4 VFD, Liberty Tree	2005248	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ 1,735	\$ 1,735	\$ 1,735	Raymond	Yes	\$ 30.53	\$ 53						
Miscellaneous SCADA/Electrical	Replace Pump #1 VFD, Liberty Tree	2006387	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ 1,735	\$ 1,735	\$ 1,735	Raymond	Yes	\$ 30.53	\$ 53						
Well Rehabilitation	Well Rehabilitation	n/a	\$ 60,000	DW21-102	26,507	8/6/2021	CoBank	No	\$ -	\$ 15,000	\$ 15,000	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.					
Atkinson Station Rebuild	Station cannot provide required fire flow. Hydropneumatic tank is in need of	n/a	\$ 500,000	DW21-102	26,507	8/6/2021	CoBank	No	\$ -	\$ -	\$ -	\$ -	\$ -	Atkinson	Yes	\$ 22.84	\$ -	Project deferred into 2021 subject to evaluation of financial analysis of rebuilding the station vs. interconnectoin with HAWC.					
Install 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	\$ 17,901	\$ 17,901	\$ -	Various	Yes	\$ 27.23	\$ -						
Install web based communication equipment, 4 locations.	Fletcher's Corner, Install Cellular Based Communication	2002270	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ 2,099	\$ 2,099	\$ 2,099	\$ 2,099	Various	Yes	\$ 27.23	\$ 57						
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	\$ -	DW21-102	26,507	8/6/2021	DWGTFF/CoBank	No	\$ -	\$ 125,000	\$ 125,000	\$ -	\$ -	Windham	Yes	\$ 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.					
New Services (5)	Single Family, Owner Build, New Homes	720 workorders	\$ 25,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 25,000	\$ 15,000	\$ 7,950	\$ 10,586	\$ 10,586	Various	Yes	\$ 27.23	\$ 288	2 new services installed through 12/31/2020.					
Renewed Services (10)	Replacement of failed services.	721 & 722 workorders	\$ 55,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 55,000	\$ 1,912	\$ 7,014	\$ 7,014	\$ 10,137	Various	Yes	\$ 27.23	\$ 276	5 Renewed Service installed through 12/31/2020.					
Hydrants (5)	Replacement of non-functional hydrants.	730 & 731 workorders	\$ 30,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 30,000	\$ 18,000	\$ 18,000	\$ 6,000	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.					
Meters 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	26,507	8/6/2021	CoBank	Yes	\$ 22,000	\$ 30,000	\$ 26,000	\$ 26,000	\$ 25,672	Various	Yes	\$ 27.23	\$ 699	235 Meters installed/replaced through 12/31/2020 - This is new and replacements together.					
Gates (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	\$ 487	5 Gates Installed/Repaired through 12/31/2020.					
Radios (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.					
Meters (Growth) 5/8"-2" - PEU (220)	New meters for new customers (220).	750 workorders	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	Incorporated in Row 48 above.					
PEU-PWW Interconnection	PEU-PWW Interconnection	2007474	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 3,449	Merrimack	Yes	\$ 28.84	\$ 99						
MSDC Payment to Manchester Water Works	MSDC Payment to Manchester Water Works	2009024	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 127,007	Various	No	\$ 27.23	\$ -						
Interest on CoBank FALOC	Short term interest from 11/23/2020 - 7/31/2021		\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ 16,000	\$ 16,158	Various	No	\$ 27.23	\$ -	Anticipates closing on CoBank long term loan to pay off CoBank FALOC on 8/1/2021.					
Pennichuck East Utilities Projected 2020 Total Capital Expenditure Budget -									\$ 1,692,000	\$ 3,861,191	\$ 3,714,955	\$ 5,019,522	\$ 5,162,180	Projected annual property tax expenses for QCPAC eligible projects -				\$ 137,255					
2020 0.1 DSRR funded projects -									\$ -	\$ 35,000	\$ 65,000	\$ 68,000	\$ 19,624										
Pennichuck East Utilities Projected 2020 QCPAC Eligible Capital Investment less 0.1 DSRR funded projects -									\$ 1,692,000	\$ 3,826,191	\$ 3,649,955	\$ 4,951,522	\$ 5,142,555										
Funded with CoBank Loan3 -									\$ 1,692,000	\$ 2,336,191	\$ 1,949,955	\$ 979,022	\$ 1,135,409										
Funded with SRF4 -									\$ -	\$ 1,490,000	\$ 1,700,000	\$ 3,972,500	\$ 4,007,147										
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 were approved by the Board in January 2020.																							
3. Projected CoBank Loan Terms are																							
4. Remainder of Locke Lake Surface Water Treatment project to completed in early 2021 at a total projected cost of																							
5. Projected SRF Terms for Locke Lake project are																							
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											

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 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 resulting in P&I of \$ 73,139 \$ 83,447 \$ 194,997 \$ 196,697
5. Projected SRF Terms for Locke Lake project are 30 Years at 2.704% resulting in P&I of \$ 232,853

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

Total projected annual P

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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 (l)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since Petition Filing
Locke Lake Surface Water Treatment ¹	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 DSRR		0.1 DSRR	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 DSRR		0.1 DSRR	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 DSRR		0.1 DSRR	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 Evalution and Preliminary Design	2003760 & 2102008	\$ -		0.1 DSRR		0.1 DSRR	No	\$ -	\$ 700	\$ 700	\$ 700	\$ 12,469	Londonderry	No	\$ 23.34	\$ -	Deferred - monies shown for engineering design
Nesenkeag Well Decommission	Nesenkeag Well Decomission	2104691	\$ -		0.1 DSRR		0.1 DSRR	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 DSRR		0.1 DSRR	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 DSRR		0.1 DSRR	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 DSRR		0.1 DSRR	No	\$ -	\$ -	\$ 10,000	\$ 16,000	\$ 15,362	Lond/Litchfield	No	\$ 23.34	\$ -	Requested evalution 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	Rysmond	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			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			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			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		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 replacments in 2021
Gates (8)	Replacement of Failed Gate Valves	Routine	\$ 32,000		Pending Filing		CoBank/0.1 DSRR	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 - \$ 2,748,501

2021 0.1 DSRR funded projects - \$ 2,718,501 \$ 1,827,300 \$ 1,392,950 \$ 1,305,031 \$ 984,249

Pennichuck East Utilities Projected 2021 QCPAC Eligible Capital Investment less 0.1 DSRR funded projects - \$ 2,688,501 \$ 1,669,000 \$ 1,171,950 \$ 1,198,031 \$ 897,936

Funded with CoBank Loan³ - \$ 2,455,648 \$ 1,436,147 \$ 939,950 \$ 966,031 \$ 665,083

Funded with SRF Loan⁴ - \$ 232,853 \$ 232,853 \$ 232,000 \$ 232,000 \$ 232,853

W&E project to be funded with DWGTf Loan/Grant in 2022 - \$ 221,788

Projected annual property tax expenses for QCPAC eligible projects - \$ 20,174

includes \$ 15,096.94 to fund replacement of the gate valve that was capitalized in response to Audit Request #2

Final CoBank Loan Amount \$ 655,936

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

		6/30/2021 Update	9/30/2021 Update	11/30/2021 Update	12/31/2021	Final CoBank Loan
resulting in P&I of	\$	213,767	\$ 125,018	\$ 81,824	\$ 84,094	\$ 57,896
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
	\$					\$ 68,530

Pennichuck East Utilities, Inc.
DW 23-013
2022 used and useful QCP's
2/13/2023
8/28/2023 Updated per DOE DR Set 1
9/25/2023 Updated per DOE DR Set 2
9/28/2023 Revised to reflect final terms of CoBank Loan

PEU QCPAC Filing
Exhibit DLW-1
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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	Final Project cost as of 12/31/2022	Community	Taxable	Tax Rate (f)	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				0.1 DSRR	No	\$ 113,134	Londonderry	No	\$ 23.90	\$ -	Project still going through Town permitting process. SS are for engineering and will be 0.1 DSRR.
W&E Treatment Improvements	Station Improvements to dechloramate and rechlorinate	n/a	\$ 35,000	DW/GTF		Pending Filing	DW/GTF	Yes	\$ -	Windham	Yes	\$ 25.08	\$ -	Included with Line Below
W&E Water Main Improvements	Interconnection to Southern NH Regional Water Sys.	2200453	\$ 454,000	DW/GTF/CoBank		Pending Filing	DW/GTF	Yes	\$ 471,847	Windham	Yes	\$ 25.08	\$ 11,834	
Investment in Developer Services	1x Annual Revenue	Routine	\$ 100,000	CoBank		Pending Filing	CoBank	Yes	\$ 55,163	Various	Yes	\$ 24.70	\$ 1,363	82 Developer Installed Servicesin 2022
Gage Hill Main Replacement	Vassar Dr & Pumping Station - Gage Hill	2207843 & 1702834	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ 239,832	Pelham	Yes	\$ 22.99	\$ 5,514	Does not include cost of finish paving in 2023
Gage Hill Main Replacement	Wellesley Drive - Gage Hill	2207844	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ 214,062	Pelham	Yes	\$ 22.99	\$ 4,921	Does not include cost of finish paving in 2023
Gage Hill Main Replacement	Radclyffe Drive - Gage Hill	2207845	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ 102,311	Pelham	Yes	\$ 22.99	\$ 2,352	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	\$ 22,402	Pelham	Yes	\$ 22.99	\$ 515	Does not include cost of finish paving in 2023
Locke Lake Well Pump Replacement	Locke Lake Well Pump Replacement	2206575	\$ -	CoBank		Pending Filing	CoBank	No	\$ -	Barnstead	Yes	\$ 26.82	\$ -	Project not completed and used and useful before 12/31/2022.
2302 West Side Rd Meter Pit Replacement	2302 West Side Rd Meter Pit Replacement	2203887	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ -	Conway	Yes	\$ 23.23	\$ -	Supply chain issues. Meter pit ordered in May of 2022. Pit not delivered until last week of Dec 2022. Install will happen in 2023.
Install New Water Serice to Existing Customer	Install New Water Service 2396 W Side Dr	2207058	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 866	Conway	Yes	\$ 23.23	\$ 20	2023 cost was clean up associated with December 2022 service install. See 2021 QCPAC tab, row 49.
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	Routine				0.1 DSRR	0.1 DSRR	Yes	\$ 30,856	Various	Yes	\$ 24.70	\$ 762	12 Booster pumps were replaced in 2022. A portion of that work was funded with 0.1 DSRR funds and the remainder will be funded with a loan from CoBank.
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	Routine	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 3,870	Various	Yes	\$ 24.70	\$ 96	
Booster Pump replacement/rebuild	Replace VFD, Booster2, Fletcher's Corner	2201771	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 2,714	Windham	Yes	\$ 25.08	\$ 68	
Booster Pump replacement/rebuild	Replace VFD Booster #1, Daniels Lake	2202067	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 3,226	Wcare	Yes	\$ 22.91	\$ 74	
Booster Pump replacement/rebuild	Replace Booster 1 VFD, Fletcher	2203979	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 2,702	Windham	Yes	\$ 25.08	\$ 68	
Well Pump replacements	Well Pump replacements	Routine	\$ 40,000			0.1 DSRR	0.1 DSRR	Yes	\$ 46,432	Various	Yes	\$ 24.70	\$ 1,147	7 well pumps replaced/repaiored in 2022. Funding of these well pumps divided between CoBank and 0.1 DSRR funds.
Well Pump replacements	Well Pump replacements	Routine		CoBank		Pending Filing	CoBank	Yes	\$ 8,058	Various	Yes	\$ 24.70	\$ 199	
Chemical Feed pump replacements	Chemical Feed pump replacements	Routine	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ -	Various	Yes	\$ 24.70	\$ -	0 completed in 2022
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	\$ -	Various	Yes	\$ 24.70	\$ -	
Castle Reach PFOA filtration system	Install filters in Castle Reach CWS booster Station to remove PFOA	2300511	\$ -			0.1 DSRR	0.1 DSRR	No	\$ -	Windham	Yes	\$ 25.08	\$ -	3rd quarter PFOA violation required installation of treatment. Filters installed but not used and useful as filter media is not available due to supply chain issues.
Pioneer Park Arsenic Filtration system	Install filters in Pioneer Park CWS booster Station to remove Arsenic	2300449	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ 16,244	Atkinson	Yes	\$ 17.86	\$ 290	Raw Water levels of arsenic exceeded 5 ppb State Drinking Water Standing during the third quarter requiring the installation of filtration.
Misc. Structural Improvements	Misc. Structural Improvements	n/a	\$ 20,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	\$ 10,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	n/a	\$ 40,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	0 completed in 2022
Miscellaneous SCADA/Electrical	Replace Chlorine Analyzer - White Rock	2204658	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 4,453	Bow	Yes	\$ 31.81	\$ 142	
Well Rehabilitation	Well Rehabilitation	n/a	\$ 60,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	0 completed in 2022
Replace PLC @ W&E CWS	Replace PLC @ W&E CWS	n/a	\$ 18,000	CoBank		Pending Filing	CoBank	Yes		Windham	Yes	\$ 25.08	\$ -	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			0.1 DSRR	CoBank	Yes	\$ 9,257	Barnstead	Yes	\$ 26.82	\$ 248	
Install web based communication equipment, 4 locations	Install web based communication equipment, 4 locations	n/a	\$ 20,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	1 completed in 2022 (see row below).
Install web based communication equipment, 4 locations	Install GS 300 RTU, Castle Reach	2202068	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 2,063	Windham	Yes	\$ 25.08	\$ 52	
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		Conway	No	\$ 23.23	\$ -	Payment due. Waiting on a bill from the North Conway Water Precinct.
Peacham Treatment Facility Backwash Tank Upgrade	Peacham Treatment Facility Backwash Tank Upgrade	2208042	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 7,420	Barnstead	Yes	\$ 26.82	\$ 199	
Replace VFD Booster Pump 2 at Meadowview	Replace VFD Booster Pump 2 at Meadowview	2208990	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 5,507	Pelham	Yes	\$ 22.99	\$ 127	
New Services (5)	Single Family, Owner Build, New Homes	Routine	\$ 25,000			0.1 DSRR	0.1 DSRR	Yes	\$ 145,256	Various	Yes	\$ 24.70	\$ 3,588	20 services installed in 2022.
Renewed Services (10)	Replacement of failed services. 8 dual Services at Locke Lake per NHDES CAP	Routine	\$ 55,000			0.1 DSRR	0.1 DSRR	Yes	\$ 21,202	Various	Yes	\$ 24.70	\$ 524	9 Services renewed in 2022.
Hydrants (5)	Replacement of non functional hydrants	Routine	\$ 30,000			0.1 DSRR	0.1 DSRR	Yes	\$ 9,952	Various	Yes	\$ 24.70	\$ 246	1 Hydrants installed/repaiored in 2022.
Gates (10)	Replacement of Failed Gate Valves	Routine	\$ 40,000			0.1 DSRR	0.1 DSRR	Yes	\$ 35,889	Various	Yes	\$ 24.70	\$ 886	6 Gate valves replaced/repaiored in 2022.
Radios (220)	New Customers (220)	Routine	\$ 23,100	CoBank		Pending Filing	CoBank	Yes	\$ 13,660	Various	Yes	\$ 24.70	\$ 337	133 Radios installed in 2022.
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	\$ 45,414	Various	Yes	\$ 24.70	\$ 1,122	198 Meters installed in 2022.
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		Various	Yes	\$ 24.70	\$ -	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			0.1 DSRR	0.1 DSRR	Yes	\$ 84,645	Various	Yes	\$ 24.70	\$ 2,091	882 Radios replaced in 2022.
DW/GTF W&E Interconnection Contruccion interest	Interst through interst change date on 7/31/2023	n/a	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ 19,424	N/A	No	N/A	\$ -	Construction Interest accrued at 1% on outstanding loan balance until July 31, 2023.
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	\$ 41,228	N/A	No	N/A	\$ -	Anticipates closing on CoBank long term loan to pay off CoBank FALOC on 10/1/2023.
Pennichuck East Utilities Projected 2022 Total Capital Expenditure Budget -									\$ 2,911,100	Projected annual property tax expenses for QCPAC eligible projects -				\$ 38,783
									\$ 1,779,091					

Pennichuck East Utilities Projected 2022 QCPAC Eligible Capital Investment -	\$ 1,779,091	exclusive of 2021 W&E Investment
Add in 2021 W&E connection expenditures to be funded by DWGTF Loan/Grant -	\$ 221,787	
Total Capex to be funded in 2022 with QCPAC -	\$ 2,000,878	
Funded with CoBank Loan ¹ -	\$ 774,775	
Funded with DWGTF loan ⁶ -	\$ 482,135	
Funded with DWGWTF Grant -	\$ 211,500	
Funding with 0.1 DSRR -	\$ 525,575	
2023 0.1 DSRR funds -	\$ 36,829	

1. Tax rate is the sum of the local community rate as of Dec 2022 plus the Statewide Utility tax rate of \$6.60/\$1000
2. The 2022 PEU Capital Expenditures Budget presented was 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

			Based on 12/31/2022
	25 Years at	7.26%	resulting in P&I of \$ 68,048
	25 Years at	1.57%	resulting in P&I of \$ 23,466
Total P&I to support proposed QCPAC eligible 2022 Capex -			\$ 91,515
Remaomg \$11,301 of DWGTF loan was for paving, loaning and seeding of this project that was not completed until May of 2023. The P&I associated with this part of the loan will be sought as part of the 2024 QCPAC request.			
5. Interest rate changed from 5.5% (original DW22-005 submission) to	7.26%	to reflect projected interest rates in 2023	
6. Available 0.1 DSRR at end of 2022	\$ 525,575	will be used to fund projects based on current projection that 2022 PEU RSF balance exceeds target Combined RSF amount of \$980,000	
7. An additional	\$ 36,829	of 0.1 DSRR money from 2023 will be used to cover the additional interest incurred on the CoBank and DWGTF loans to limit the CoBank Loan to the amount of \$ 744,775 that was approved in DW 23-046.	

Pennichuck East Utilities, Inc.
DW 23-013
Projected 2023 QCPAC Capital Expenditures
2/13/2023
8/28/2023 Updated per DOE DR Set 1

PEU QCPAC Filing
Exhibit DLW-1
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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
Londonderry System Improvements	1.25 MG Tank, 16 Inch Transmission Main, & 3,500 gpm Booster Station		\$ 600,000	CoBank		Pending Filing	CoBank	Yes	\$ 600,000	Londonderry	Yes	\$ 23.90	\$ 14,340
Sunrise Estates - Middleton NH	Station and Storage Tank Replacement		\$ 500,000	CoBank		Pending Filing	CoBank	Yes	\$ 500,000	Middleton	Yes	\$ 31.72	\$ 15,860
Gage Hill - Pelham	Water Main Replacement Replace Approx. 4800 LF of 2 PE with 4 inch C-900 PVC - Paving only		\$ 700,000	CoBank		Pending Filing	CoBank	Yes	\$ 700,000	Pelham	Yes	\$ 22.99	\$ 16,093
Investment in Developer Services	1x Annual Revenue		\$ 150,000	CoBank		Pending Filing	CoBank	Yes	\$ 150,000	Various	Yes	\$ 24.70	\$ 3,705
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Well Pump replacements	Well Pump replacements		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Chemical Feed pump replacements	Chemical Feed pump replacements		\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.70	\$ 247
Install/replace treatment systems in small CWS (PFOA/Mn/Arsenic treatment systems)	Install/replace treatment systems in small CWS (supplemental Arsenic treatment systems		\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.70	\$ 1,235
Misc. Structural Improvements	Misc. Structural Improvements - roof re-build/repair W and E, Harvest Village, Castle Reach		\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.70	\$ 1,235
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects		\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.70	\$ 247
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Well Rehabilitation	Well Rehabilitation		\$ 60,000	CoBank		Pending Filing	CoBank	Yes	\$ 60,000	Various	Yes	\$ 24.70	\$ 1,482
Install web based communication equipment, 4 locations	Install web based communication equipment, 4 locations		\$ 20,000	CoBank		Pending Filing	CoBank	Yes	\$ 20,000	Various	Yes	\$ 24.70	\$ 494
New Services (5)	Single Family, Owner Build, New Homes		\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Renewed Services (20)	Replacement of failed services (5)		\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Renewed Services - Locke Lake (15)	Renewal of Main to Stop portion of servicesin Locke Lake per DES Order (15)		\$ 90,000	CoBank		Pending Filing	CoBank	Yes	\$ 90,000	Various	Yes	\$ 24.70	\$ 2,223
Hydrants (5)	Replacement of non functional hydrants (5)		\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Gates (10)	Replacement of Failed Gate Valves (10)		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Radios - PFOA (50)	New Radios for PFOA customers (50)		\$ 6,000	CoBank		Pending Filing	CoBank	Yes	\$ 6,000	Various	Yes	\$ 24.70	\$ 148
Radios (150)	New Customers (150)		\$ 18,000	CoBank		Pending Filing	CoBank	Yes	\$ 18,000	Various	Yes	\$ 24.70	\$ 445
New meters for new customers (150)	New meters for new customers (150)		\$ 19,000	CoBank		Pending Filing	CoBank	Yes	\$ 19,000	Various	Yes	\$ 24.70	\$ 469
New Meter - PFOA (50)	New Metere for PFOA Customers (50)		\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.70	\$ 154
Replacement of failed meters (50)	Replacement of failed meters (50)		\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.70	\$ 154
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter (400)		\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.70	\$ 1,235
2023 Radios (700)	Year 3 of 10 year replacement of all PEU radios (all initial radios installed in 2007) (700)		\$ 91,000	CoBank		Pending Filing	CoBank	Yes	\$ 91,000	Various	Yes	\$ 24.70	\$ 2,248
Interest on CoBank FALOC	Short term interest from 8/1/2023 - 7/31/2024		\$ 14,100	CoBank		Pending Filing	CoBank	Yes	\$ 14,100	Various	No	N/A	\$ -
Pennichuck East Utilities Projected 2024 Total Capital Expenditure Budget -									\$ 2,700,600	Projected annual property tax expenses for QCPAC eligible projects -			\$ 68,190
Pennichuck East Utilities Projected 2024 Total Capital Expenditures funded by CoBank Loan -									\$ 2,700,600				

1. Tax rate is the sum of the local community rate as of Dec 2022 plus the Statewide Utility tax rate of \$6.60/\$1000

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

3. Projected CoBank Loan Terms are 25 Years at 7.25% resulting in P&I of \$ 236,983

Pennichuck East Utilities, Inc.
DW 23-013
Projected 2024 QCPAC Capital Expenditures
2/13/2023
8/28/2023 Updated per DOE DR Set 1

PEU QCPAC Filing
Exhibit DLW-1
Page 6

Project Name/Description	Project Description	2024 Approved Budgeted Amount (2)	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Source of Funding	Eligible for 2024 QCPAC Surcharge	Eligible for 2024 QCPAC Surcharge	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense
New Services (5)	Single Family, Owner Build, New Homes	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Renewed Services (20)	Replacement of failed services (5)	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Renewed Services - Locke Lake (15)	Renewal of Main to Stop portion of servicesin Locke Lake per DES Order (15)	\$ 90,000	CoBank		Pending Filing	CoBank	Yes	\$ 90,000	Various	Yes	\$ 24.70	\$ 2,223
Hydrants (5)	Replacement of non functional hydrants (5)	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Gates (10)	Replacement of Failed Gate Valves (10)	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Radios - PFOA (50)	New Radios for PFOA customers (50)	\$ 6,000	CoBank		Pending Filing	CoBank	Yes	\$ 6,000	Various	Yes	\$ 24.70	\$ 148
Radios (150)	New Customers (150)	\$ 18,000	CoBank		Pending Filing	CoBank	Yes	\$ 18,000	Various	Yes	\$ 24.70	\$ 445
New meters for new customers (150)	New meters for new customers (150)	\$ 19,000	CoBank		Pending Filing	CoBank	Yes	\$ 19,000	Various	Yes	\$ 24.70	\$ 469
New Meter - PFOA (50)	New Metere for PFOA Customers (50)	\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.70	\$ 154
Replacement of failed meters (50)	Replacement of failed meters (50)	\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.70	\$ 154
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter (400)	\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.70	\$ 1,235
2024 Radios (700)	Year 4 of 10 year replacement of all PEU radios (all initial radios installed in 2007) (700)	\$ 91,000	CoBank		Pending Filing	CoBank	Yes	\$ 91,000	Various	Yes	\$ 24.70	\$ 2,248
Londonderry System Improvements	1.25 MG Tank, 16 Inch Transmission Main, & 3,500 gpm Booster Station	\$ 1,100,000	CoBank		Pending Filing	CoBank	Yes	\$ 1,100,000	Londonderry	Yes	\$ 23.90	\$ 26,290
Investment in Developer Services	1x Annual Revenue	\$ 150,000	CoBank		Pending Filing	CoBank	Yes	\$ 150,000	Various	Yes	\$ 24.70	\$ 3,705
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Well Pump replacements	Well Pump replacements	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Chemical Feed pump replacements	Chemical Feed pump replacements	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.70	\$ 247
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	\$ 24.70	\$ 618
Misc. Structural Improvements	Misc. Structural Improvements	\$ 20,000	CoBank		Pending Filing	CoBank	Yes	\$ 20,000	Various	Yes	\$ 24.70	\$ 494
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.70	\$ 247
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Well Rehabilitation	Well Rehabilitation	\$ 60,000	CoBank		Pending Filing	CoBank	Yes	\$ 60,000	Various	Yes	\$ 24.70	\$ 1,482
Web based Communications 3 locations	Web based Communications 3 locations	\$ 18,000	CoBank		Pending Filing	CoBank	Yes	\$ 18,000	Various	Yes	\$ 24.70	\$ 445
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 -		\$ 1,943,600	Pennichuck East Utilities Projected 2024 QCPAC Eligible Capital Investment -		\$ 1,943,600		Projected annual property tax expenses for QCPAC eligible projects -		\$ 46,779			
					Funded with CoBank Loan ³ -		\$ 1,943,600					

1. Tax rate is the sum of the local community rate as of Dec 2022 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 2023.
3. Projected CoBank Loan Terms are 25 Years at 7.25% resulting in P&I of \$ 170,555

Pennichuck East Utilities, Inc.
DW 23-013
Projected 2025 QCPAC Capital Expenditures
2/13/2023
8/28/2023 Updated per DOE DR Set 1

PEU QCPAC Filing
Exhibit DLW-1
Page 7

Project Name/Description	Project Description	2025 Approved Budgeted Amount (2)	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Source of Funding	Eligible for 2025 QCPAC Surcharge	Eligible for 2024 QCPAC Surcharge	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense
New Services (5)	Single Family, Owner Build, New Homes	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Renewed Services (20)	Replacement of failed services (5)	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Renewed Services - Locke Lake (15)	Renewal of Main to Stop portion of servicesin Locke Lake per DES Order (15)	\$ 90,000	CoBank		Pending Filing	CoBank	Yes	\$ 90,000	Various	Yes	\$ 24.70	\$ 2,223
Hydrants (5)	Replacement of non functional hydrants (5)	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Gates (10)	Replacement of Failed Gate Valves (10)	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Radios - PFOA (50)	New Radios for PFOA customers (50)	\$ 6,000	CoBank		Pending Filing	CoBank	Yes	\$ 6,000	Various	Yes	\$ 24.70	\$ 148
Radios (150)	New Customers (150)	\$ 18,000	CoBank		Pending Filing	CoBank	Yes	\$ 18,000	Various	Yes	\$ 24.70	\$ 445
New meters for new customers (150)	New meters for new customers (150)	\$ 19,000	CoBank		Pending Filing	CoBank	Yes	\$ 19,000	Various	Yes	\$ 24.70	\$ 469
New Meter - PFOA (50)	New Metere for PFOA Customers (50)	\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.70	\$ 154
Replacement of failed meters (50)	Replacement of failed meters (50)	\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.70	\$ 154
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter (400)	\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.70	\$ 1,235
2025 Radios (700)	Year 5 of 10 year replacement of all PEU radios (all initial radios installed in 2007) (700)	\$ 91,000	CoBank		Pending Filing	CoBank	Yes	\$ 91,000	Various	Yes	\$ 24.70	\$ 2,248
Investment in Developer Services	1x Annual Revenue	\$ 150,000	CoBank		Pending Filing	CoBank	Yes	\$ 150,000	Various	Yes	\$ 24.70	\$ 3,705
Atkinson Pioneer Park	Booster Station and Storage Tank Replacement	\$ 800,000	CoBank		Pending Filing	CoBank	Yes	\$ 800,000	Atkinson	Yes	\$ 17.86	\$ 14,288
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Well Pump replacements	Well Pump replacements	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Chemical Feed pump replacements	Chemical Feed pump replacements	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.70	\$ 247
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	\$ 24.70	\$ 618
Misc. Structural Improvements	Misc. Structural Improvements	\$ 20,000	CoBank		Pending Filing	CoBank	Yes	\$ 20,000	Various	Yes	\$ 24.70	\$ 494
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.70	\$ 247
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Well Rehabilitation	Well Rehabilitation	\$ 60,000	CoBank		Pending Filing	CoBank	Yes	\$ 60,000	Various	Yes	\$ 24.70	\$ 1,482
Interest on CoBank FALOC	Short term interest from 8/1/2025 - 7/31/2026	\$ 14,100	CoBank		Pending Filing	CoBank	Yes	\$ 14,100	Various	No	N/A	\$ -
Pennichuck East Utilities Projected 2025 Total Capital Expenditure Budget -		\$ 1,625,600	Pennichuck East Utilities Projected 2025 QCPAC Eligible Capital Investment -		\$ 1,625,600	Projected annual property tax expenses for QCPAC eligible projects - \$ 34,332						
						Funded with CoBank Loan ³ - \$ 1,625,600						

1. Tax rate is the sum of the local community rate as of Dec 2022 plus the Statewide Utility tax rate of \$6.60/\$1000

2. The 2025 PEU Capital Expenditures Budget presented were approved by the Board in January 2023.

3. Projected CoBank Loan Terms are

25 Years at7.25%resulting in P&I of\$142,649

Pennichuck East Utility, Inc.
DW 23-013
2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 2

Date Request Received: 9/12/23
Request No. DOE 2-1

Date of Response: 09/25/2023
Supplemental Response: 09/28/2023
Second Supplemental Response: 10/05/2023
Witness: Donald L. Ware

REQUEST:

Re: Company's response to DOE 1-1(b): Please indicate the status of the anticipated CoBank loan. If finalization of the terms and/or closure of this loan has occurred, please update Exhibit DLW-1, as necessary, to reflect the finalized terms of the loan.

RESPONSE:

The CoBank term loan closed on September 25, 2023. The loan closed with the fixed annual interest rate of 7.26%. An attached, supplemental Exhibit DLW-1 has been updated to reflect the loan terms.

Second Supplemental Response:

The Company updated the attached, supplemental Exhibit DLW-1-7, Page 4, Cells O59 and H72 to reflect the approved CoBank loan amount of \$744,755.

Pennichuck East Utility, Inc.
DW 23-013
2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 2

Date Request Received: 9/12/23
Request No. DOE 2-2

Date of Response: 9/25/2023
Witness: Donald L. Ware

REQUEST:

Re: Company's responses to DOE 1-3 (a) and (b) and Final Audit Report dated 8/2/23, Audit Issue # 2 (Pages 9 and 23): Page 9 of the Final Audit Report states, "*PEU listed the various tax rate as \$24.71, whereas it should have been calculated as \$22.57 due to the incorrect rate for Atkinson.*" Further, the Company appears to concur with this finding in its response to Audit Issue # 2 on Page 23 of the report when it states, "*The Company agrees and will make the change to the Town of Atkinson property tax rate.*" However, the Company's response to DOE 1-3(b) and further supported by Exhibit DOE DR 1-3(a) indicates a calculation of \$24.70 for the various tax rate. Please explain why the various tax rate should not be \$22.57 as indicated on Page 9 of the Final Audit Report and originally agreed to by the Company.

RESPONSE:

The \$22.57 in the Audit report was referring to the Atkinson tax rate, which was shown at \$22.84 in the original filing when it should have been \$17.86. The Company agreed the Atkinson tax rate of \$22.84 in the original "various" community's tax rate calculation should be changed to the correct rate of Atkinson Tax rate of \$17.86. The Company, per audit, changed the Atkinson tax rate in its various tax rate calculations submitted in its response to DOR DR1-3(a) which resulted in the "various tax rate" changing from \$24.71 to \$24.70. The "various tax rate" calculations, the one calculated in response to DOE DR 1-3(a) and the one submitted with original filing are attached to this response at Exhibit DOE DR 2-2. The Company does not know how the Audit originally calculated a various tax rate of \$22.57, as a result of changing the Atkinson Rate from \$22.84 to \$17.86. Please see Exhibit DOE DR 2-2 with the attached calculation supporting the Company's use of a various tax rate of \$24.70.

Pennichuck East Utility, Inc.
DW 23-013
2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 2

Date Request Received: 9/12/23
Request No. DOE 2-3

Date of Response: 9/25/2023
Second Supplemental Response: 10/05/2023
Witness: Donald L. Ware

REQUEST:

Re: Company's response to DOE 1-4 and Exhibit DLW-1 (Updated 8/28/23), Page 4 – 2022 Used and Useful QCP's, Cells O10, O55, O58, and O59: It appears that the sum of the DWGTF financed projects (Cells O10 and O55) is \$693,634 (\$471,847 + \$221,787), but the sum of the indicated DWGTF loan and grant (Cells O58 and O59) is \$693,699 (\$482,199 + \$211,500), for a difference of \$65. Please explain the \$65 difference between the total amount of the DWGTF financed projects of \$693,634 and the total DWGTF financing amount of \$693,699, and whether certain further adjustments should be made to the Company's schedules because of this difference.

RESPONSE:

The difference of \$65 is the difference between the \$11,365 that was used to pay for paving, loam and seeding in 2023 and the final DWGTF loan draw in 2023 of \$11,300.80. The DWGTF loan in Cell O58 was reduced by \$11,300.80 (rounded to \$11,301) when it should have been reduced by \$11,365. This has been corrected on the attached, revised Exhibit DLW-1-7, Page 4 (Cell 058) resulting in the DWGTF loan being reduced to \$693,635 from the initial filing amount of \$693,699.

Second Supplemental Response:

The Company updated Cell 063 on Page 4 of the attached, revised Exhibit DLW 1-7 resulting in the 2023 0.1 DSRR Funds increasing by \$65.00 to \$36,894.00.

Pennichuck East Utility, Inc.

DW 23-013

2023 QCPAC - Qualified Capital Project Adjustment Charge

Responses to DOE Data Requests –Set 2

Date Request Received: 9/12/23
Request No. DOE 2-4

Date of Response: 09/25/2023
Witness: Donald L. Ware

REQUEST:

Re: Company's response to DOE 1-5 and Exhibit DLW-1 (Updated 8/28/23), Page 4 – 2022 Used and Useful QCP's, Cells O12 – O15: Does the fact that the physical transfer of \$23,343 of inventory to the Gage Hill Project did not occur until 2023 impact the used and usefulness of the \$578,607 of total project cost being proposed for QCPAC recovery in this case? Please explain.

RESPONSE:

No. The \$23,343 of inventory placed in service is not included in the \$578,607 of project costs being sought in this filing. The Company's initial response to Audit Issue #5 was not correct. The Company's response to Audit read, "The \$23,343 in inventory was not released from inventory to the job until April of 2023 and as such did not show up in the 12/31/2022 W/O \$\$." All the inventory in question was used and placed into service prior to 12/31/2022." The response should have read "The \$23,343 in inventory was not released from inventory to the job until April of 2023 and as such did not show up in the 12/31/2022 W/O \$. All the inventory in question was placed into service after to 12/31/2022 and as such is not eligible for recovery as part of this QCPAC filing."

Pennichuck East Utility, Inc.

DW 23-013

**2023 QCPAC - Qualified Capital Project Adjustment Charge
Responses to DOE Data Requests –Set 2**

Date Request Received: 9/12/23
Request No. DOE 2-5

Date of Response: 9/25/2023
Witness: Donald L. Ware

REQUEST:

Re: Company's response to DOE 1-8 and Exhibit DLW-1 (Updated 8/28/23), Page 4 – 2022 Used and Useful QCP's, Cell O50: Please provide documentation in support of the \$19,423.58 in accrued interest costs on the DWGTF loan through 7/31/23 indicated by the Company in its response.

RESPONSE:

Please see Exhibit DOE DR 2-5 as support to the FALOC interest rate calculation provided in response to DOE 1-4b. This calculation was based on the Company's daily cash flow calculation for the PEU FALOC account. Exhibit DOE DR 2-5 is an account summary printed from the Company's CoBank FALOC account for the time frame over which the FALOC interest was calculated in DOE 1-4b.

Please note that there are slight differences between the CoBank weekly interest rate in the accounting spreadsheet and the CoBank account summary. The principal amount showing in the account summary and that detailed in the accounting spreadsheet match through the end of 2022. The amount shown on the accounting spreadsheet in 2023 versus the amount detailed in the CoBank account summary differ in 2023 because there have been monies drawn on the CoBank FALOC loan in 2023 that are associated with 2022 QCP's. These will ultimately be funded with 0.1 DSRR funds upon approval of the QCPAC, as opposed to borrowing from the CoBank Final Loan. The current CoBank FALOC principal amount of \$1,103,365 exceeds the amount of \$720,952 (Final projected CoBank loan amount) shown on the accounting daily worksheet with the difference being the portion of the Company's payment of certain 2022 QCP's with 0.1 DSRR cash. Please note that the amount of interest incurred on 2022 QCP's from 10/19/2022 through 9/18/2023 has been \$58,697 (per the attached account summary) as opposed to the projected amount of \$41,228 (as calculated and presented in Attachment DOE 1-4b). The difference in the interest amounts reflects the interest incurred on the CoBank FALOC loan associated with funds borrowed to pay for 2022 QCP's that will ultimately be paid for with 0.1 DSRR cash.

Pennichuck East Utilities, Inc.
DW 23-013
Computation of QCPAC Surcharge
2/13/2023
8/28/2023 Updated per DOE DR Set 1
9/25/2023 Updated per DOE DR Set 2
9/28/2023 Revised to reflect final terms of CoBank Loan
10/5/2023 Second Supplemental DOE DR Set 2 - Corrected for approved CoBank Loan amount

PEU QCPAC Filing
Exhibit DLW-1
Page 1

	Requested DW 20-156 Revenue Requirements		Completed 2020 Qualified Capital Project pro formas	Approved QCPAC Surcharge for 2020 Capital Additions		Completed 2021 Qualified Capital Project pro formas		Approved QCPAC Surcharge for 2021 Capital Additions		Completed 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		Projected QCPAC For 2025 Capital Additions pro formas		Projected QCPAC Surcharge for 2025 Capital Additions									
City Bond Fixed Revenue Requirement (CBFRR)	\$	926,309		\$	926,309	\$	-	\$	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	\$	38,783	(5)	\$	7,150,547	\$	68,190	(5)	\$	7,218,737	\$	(23,221)	(5)(10)	\$	7,195,516	\$	34,332	(5)	\$	7,229,848
Operating Expense Contingency		1.04	(2)		1.04				1.04				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				7,429,841				7,498,030				7,474,809								7,509,141				7,509,141	
Non Material Operating Expense Revenue Requirement (NOERR)	\$	7,163		\$	7,163			7,163				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			\$	52,281				52,281			\$	52,281	
Debt Service Revenue Requirement (DSRR 1.0)	\$	1,739,398	(3)	\$	270,766	(6)	\$	2,010,164	\$	68,530	(7)	\$	2,078,694	\$	88,880	(13)	\$	2,167,574	\$	236,983	(14)	\$	2,404,557	\$	170,555	(14)	\$	2,575,111	\$	142,649	(14)	\$	2,717,761
Principal and Interest Coverage Requirement		1.10			1.10			1.10				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			2,286,564				2,384,331				2,645,012			\$	2,832,622			\$	2,989,537				2,989,537			\$	2,989,537	
Revenue Requirement exclusive of NCCRS	\$	10,160,719		\$	10,567,817			10,663,374				10,799,925				11,128,796			\$	11,293,184			\$	11,484,431				11,484,431			\$	11,484,431	
Less Other Operating Revenues	\$	30,188	(4)	\$	30,188			30,188				30,188				30,188			\$	30,188			\$	30,188				30,188			\$	30,188	
Revenues required from Customer Classes exclusive of NCCRS	\$	10,130,531		\$	10,537,629			10,633,186				10,769,737				11,098,608			\$	11,262,996			\$	11,454,243				11,454,243			\$	11,454,243	
Revenues subject to QCPAC	\$	10,130,531		\$	10,537,629			10,633,186				10,769,737				11,098,608			\$	11,262,996			\$	11,454,243				11,454,243			\$	11,454,243	
Projected QCPAC Increase (8)					4.02%			0.94%				1.35%				3.25%				1.62%				1.89%				1.89%				1.89%	
Cumulative QCPAC increase (9)					4.02%			4.96%				6.31%				9.56%				11.18%				13.07%				13.07%				13.07%	
Cumulative QCPAC monthly increase in average single family residential bill				\$	3.39			4.18				5.32				8.06			\$	9.42			\$	11.02				11.02			\$	11.02	
Average monthly single family residential bill with QCPAC				\$	87.70			88.49				89.63				92.37			\$	93.73			\$	95.33				95.33			\$	95.33	

Notes:

(1) Operating Expense Revenue requirement is the sum of the Total Operating Expenses and Property Tax Expense approved in DW20-156. It does not include Amortization Expense.

(2) Material operating expense factor approved in DW20-156.

(3) Annual Principal and interest payments for PEU debt associated with plant in serviceapproved 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 a 25 year term loan with an actual total all in interest rate of 7.16% 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 poject 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

(13) Portion of Annual Principal and interest payments paid to CoBank for debt associated with plant a placed in service between 1/1/2022 and 12/31/2022 for designated year based on a 25 year term loan with an actual total all in interest rate of 7.26% that was not recovered in DW20-156.

(14) 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 2023, 2024 and 2025 based on a 25 year term loan with an actual total all in interest rate of 7.25% 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

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Project Name/Description	Project Description	Work Order #	Board Approved 2020 Capex Budget	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 6/30/2020	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 Expense	Explanation for Change/Addition/Deletion since Petition Filing
Elevated 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	\$ -	\$ -	\$ -	\$ -	\$ -	Londonderry	Yes	\$ 24.78	\$ -	Project deferred to 2021 due to permitting.
Middleton 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	\$ -	\$ 340,000	\$ -	\$ -	\$ -	Middleton	Yes	\$ 33.55	\$ -	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.	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
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	11/16/2018	SRF	Yes	\$ 10,000	\$ 10,000	\$ -	\$ 1,056,000	\$ 966,252	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 Company will not be closing on the loan supporting these capital improvements until June 2021 so 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	11/16/2018	SRF	Yes	\$ 10,000	\$ 10,000	\$ -	\$ -	\$ -	Barnstead	Yes	\$ 27.84	\$ -	
N.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	11/16/2018	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.
Belmont 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	11/16/2018	SRF	Yes	\$ 5,000	\$ 5,000	\$ -	\$ -	\$ -	Barnstead	Yes	\$ 27.84	\$ -	Deferred
Route 28 Replacement	Replace 720 LF of 2" PE with 720 LF of 4" C-900 PVC.	2000370	\$ 80,000	DW18-132	26,189	11/16/2018	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.
Locke Lake Surface Water Treatment ⁴	Intake & Treatment Facility Construction	1813409, 1900433, 2000369	\$ 835,000	DW18-132	26,189	11/16/2018	SRF	Yes	\$ -	\$ 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 in 2020 than anticipated, therefore there will be less cost in 2021
Locke Lake Surface Water Treatment ⁴	Intake & Treatment Facility Construction	1813409, 1900433, 2000369	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes					\$ 175,334	Barnstead	Yes	\$ 27.84	\$ 4,881	Locke Lake project investment that exceeds the available loan amount of \$4,240,000. 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	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 32,000	\$ 32,000	\$ 32,000	\$ 32,000	\$ 27,400	Plaistow	Yes	\$ 26.20	\$ 718	
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 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	\$ 24.86	\$ 8,275	Project scope expanded for streets listed below over original budget.
Pelham Main Replacement/Addition	Replace Lane Road.	2003563	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 182,102	Pelham	Yes	\$ 24.86	\$ 4,527	Work on this street is in project total for Monticello & Lane Project above.
Pelham Main Replacement/Addition	Replace Simpson Road.	2003564	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 19,527	Pelham	Yes	\$ 24.86	\$ 485	Work on this street is in project total for Monticello & Lane Project above.
Pelham Main Replacement/Addition	Replace Andrea Lane.	2003565	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ -	Pelham	Yes	\$ 24.86	\$ -	Work on this street is in project total for Monticello & Lane Project above.
Pelham Main Replacement/Addition	Replace Mount Vernon Drive.	2004325	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 60,561	Pelham	Yes	\$ 24.86	\$ 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	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.
Sunrise Estates	Station Replacement (design)	2003613	\$ 40,000		0.1 DSRR		CoBank	No	\$ -	\$ -	\$ 30,000	\$ 30,000	\$ 7,805	Middleton	No	\$ 33.55	\$ -	
Londonderry Core Re-Chloramination	Re-chloramination Evaluation and Preliminary Design	2003760	\$ 35,000		0.1 DSRR		CoBank	No	\$ -	\$ 35,000	\$ 35,000	\$ 35,000	\$ 11,820	Londonderry	No	\$ 24.78	\$ -	Design costs incorporated into Station rebuild above.
Atkinson Booster pump station design	Atkinson Booster pump station design	2000717	\$ 30,000		0.1 DSRR		CoBank	No	\$ -	\$ -	\$ -	\$ 3,000	\$ -	Atkinson	Yes	\$ 22.84	\$ -	Costs incorporated in Atkinson Station rebuild below.
Booster 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.
Well Pump replacements	Well Pump replacements	760 - 763 workorders	\$ 40,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 40,000	\$ 16,000	\$ 15,000	\$ 15,000	\$ 14,665	Various	Yes	\$ 27.23	\$ 399	4 Well Pumps Repaired/Replaced through 12/31/2020.
Chemical Feed pump replacements	Chemical Feed pump replacements	760 - 763 workorders	\$ 10,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 10,000	\$ 5,000	\$ 2,000	\$ 2,000	\$ 1,695	Various	Yes	\$ 27.23	\$ 46	1 Chemical Feed Pump Repaired/ Replaced through 12/31/2020.
Install/replace treatment systems in small CWS.	Install/replace treatment systems in small CWS.	n/a	\$ 25,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 25,000	\$ -	\$ -	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.
Misc. Structural Improvements	Misc. Structural Improvements	n/a	\$ 20,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 20,000	\$ 10,000	\$ 5,000	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	\$ 10,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 10,000	\$ 5,000	\$ -	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	n/a	\$ 30,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 30,000	\$ 27,602	\$ -	\$ 5,000	\$ -	Various	Yes	\$ 27.23	\$ -	See projects below.
Miscellaneous SCADA/Electrical	Replace Well #1 VFD, Lamplighter Village	2001215	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ 2,398	\$ 2,398	\$ 2,398	\$ 2,398	Windham	Yes	\$ 23.89	\$ 57	
Miscellaneous SCADA/Electrical	Replace Pump #4 VFD, Liberty Tree	2005248	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ 1,735	\$ 1,735	\$ 1,735	Raymond	Yes	\$ 30.53	\$ 53	
Miscellaneous SCADA/Electrical	Replace Pump #1 VFD, Liberty Tree	2006387	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ 1,735	\$ 1,735	\$ 1,735	Raymond	Yes	\$ 30.53	\$ 53	
Well Rehabilitation	Well Rehabilitation	n/a	\$ 60,000	DW21-102	26,507	8/6/2021	CoBank	No	\$ -	\$ 15,000	\$ 15,000	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.
Atkinson Station Rebuild	Station cannot provide required fire flow. Hydropneumatic tank is in need of	n/a	\$ 500,000	DW21-102	26,507	8/6/2021	CoBank	No	\$ -	\$ -	\$ -	\$ -	\$ -	Atkinson	Yes	\$ 22.84	\$ -	Project deferred into 2021 subject to evaluation of financial analysis of rebuilding the station vs. interconnectoin with HAWC.
Install 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	\$ 17,901	\$ 17,901	\$ -	Various	Yes	\$ 27.23	\$ -	
Install web based communication equipment, 4 locations.	Fletcher's Corner, Install Cellular Based Communication	2002270	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ 2,099	\$ 2,099	\$ 2,099	\$ 2,099	Various	Yes	\$ 27.23	\$ 57	
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	\$ -	DW21-102	26,507	8/6/2021	DWGTFF/CoBank	No	\$ -	\$ 125,000	\$ 125,000	\$ -	\$ -	Windham	Yes	\$ 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.
New Services (5)	Single Family, Owner Build, New Homes	720 workorders	\$ 25,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 25,000	\$ 15,000	\$ 7,950	\$ 10,586	\$ 10,586	Various	Yes	\$ 27.23	\$ 288	2 new services installed through 12/31/2020.
Renewed Services (10)	Replacement of failed services.	721 & 722 workorders	\$ 55,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 55,000	\$ 1,912	\$ 7,014	\$ 7,014	\$ 10,137	Various	Yes	\$ 27.23	\$ 276	5 Renewed Service installed through 12/31/2020.
Hydrants (5)	Replacement of non-functional hydrants.	730 & 731 workorders	\$ 30,000	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ 30,000	\$ 18,000	\$ 18,000	\$ 6,000	\$ -	Various	Yes	\$ 27.23	\$ -	None completed during 2020.
Meters 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	26,507	8/6/2021	CoBank	Yes	\$ 22,000	\$ 30,000	\$ 26,000	\$ 26,000	\$ 25,672	Various	Yes	\$ 27.23	\$ 699	235 Meters installed/replaced through 12/31/2020 - This is new and replacements together.
Gates (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	\$ 17,972	Various	Yes	\$ 27.23	\$ 487	5 Gates Installed/ Repaired through 12/31/2020.
Radios (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.
Meters (Growth) 5/8"-2" - PEU (220)	New meters for new customers (220).	750 workorders	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	Incorporated in Row 48 above.
PEU-PWW Interconnection	PEU-PWW Interconnection	2007474	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 3,449	Merrimack	Yes	\$ 28.84	\$ 99	
MSDC Payment to Manchester Water Works	MSDC Payment to Manchester Water Works	2009024	\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 127,007	Various	No	\$ 27.23	\$ -	
Interest on CoBank FALOC	Short term interest from 11/23/2020 - 7/31/2021		\$ -	DW21-102	26,507	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ 16,000	\$ 16,158	Various	No	\$ 27.23	\$ -	Anticipates closing on CoBank long term loan to pay off CoBank FALOC on 8/1/2021.
Pennichuck East Utilities Projected 2020 Total Capital Expenditure Budget -			\$ 4,737,000											Projected annual property tax expenses for QCPAC eligible projects -		\$ 137,255		

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 were approved by the Board in January 2020.

3. Projected CoBank Loan Terms are

4. Remainder of Locke Lake Surface Water Treatment project to completed in early 2021 at

5. Projected SRF Terms for Locke Lake project are

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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 (l)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since Petition Filing
Locke Lake Surface Water Treatment ¹	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 Evalution 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 Decommission	Nesenkeag Well Decommission	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 evalution 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	Rysmond	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		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 -			\$ 2,748,501					\$ 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
								\$ 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					\$ 2,688,501	\$ 1,669,000	\$ 1,171,950	\$ 1,198,031	\$ 897,936	Final CoBank Loan Amount						
								\$ 2,455,648	\$ 1,436,147	\$ 939,950	\$ 966,031	\$ 665,083	\$ 655,936						
								\$ 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
4. Projected SRF Terms for Locke Lake project are

25	Years at	7.16%	resulting in P&I of	\$ 213,767	\$ 125,018	\$ 81,824	\$ 84,094	\$ 57,896	\$ 57,100
30	Years at	2.704%	resulting in P&I of	\$ 11,430	\$ 11,430	\$ 11,388	\$ 11,388	\$ 11,430	\$ 11,430
				\$ 225,197	\$ 136,448	\$ 93,212	\$ 95,482	\$ 69,326	\$ 68,530

Pennichuck East Utilities, Inc.
DW 23-013
2022 used and useful QCP's
2/13/2023
8/28/2023 Updated per DOE DR Set 1
9/25/2023 Updated per DOE DR Set 2
9/28/2023 Revised to reflect final terms of CoBank Loan
10/5/2023 Second Supplemental DOE DR Set 2 - Corrected for approved CoBank Loan amount

PEU QCPAC Filing
Exhibit DLW-1
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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	Final Project cost as of 12/31/2022	Community	Taxable	Tax Rate (I)	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			0.1 DSRR		No	\$ 113,134	Londonderry	No	\$ 23.90	\$ -	Project still going through Town permitting process. SS are for engineering and will be 0.1 DSRR.
W&E Treatment Improvements	Station Improvements to dechloraminate and rechlorinate	n/a	\$ 35,000	DWGTf		Pending Filing	DWGTf	Yes	\$ -	Windham	Yes	\$ 25.08	\$ -	Included with Line Below
W&E Water Main Improvements	Interconnection to Southern NH Regional Water Sys.	2200453	\$ 454,000	DWGTf/CoBank		Pending Filing	DWGTf	Yes	\$ 471,847	Windham	Yes	\$ 25.08	\$ 11,834	
Investment in Developer Services	1x Annual Revenue	Routine	\$ 100,000	CoBank		Pending Filing	CoBank	Yes	\$ 55,163	Various	Yes	\$ 24.70	\$ 1,363	82 Developer Installed Servicesin 2022
Gage Hill Main Replacement	Vassar Dr & Pumping Station - Gage Hill	2207843 & 1702834	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ 239,832	Pelham	Yes	\$ 22.99	\$ 5,514	Does not include cost of finish paving in 2023
Gage Hill Main Replacement	Wellesley Drive - Gage Hill	2207844	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ 214,062	Pelham	Yes	\$ 22.99	\$ 4,921	Does not include cost of finish paving in 2023
Gage Hill Main Replacement	Raddcliffe Drive - Gage Hill	2207845	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ 102,311	Pelham	Yes	\$ 22.99	\$ 2,352	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	\$ 22,402	Pelham	Yes	\$ 22.99	\$ 515	Does not include cost of finish paving in 2023
Locke Lake Well Pump Replacement	Locke Lake Well Pump Replacement	2206575	\$ -	CoBank		Pending Filing	CoBank	No	\$ -	Barnstead	Yes	\$ 26.82	\$ -	Project not completed and used and usefual before 12/31/2022.
2302 West Side Rd Meter Pit Replacement	2302 West Side Rd Meter Pit Replacement	2203887	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ -	Conway	Yes	\$ 23.23	\$ -	Supply chain issues. Meter pit ordered in May of 2022. Pit not delivered until last week of Dec 2022. Install will happen in 2023.
Install New Water Serice to Existing Customer	Install New Water Service 2396 W Side Dr	2207058	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 866	Conway	Yes	\$ 23.23	\$ 20	2023 cost was clean up associated with December 2022 service install. See 2021 QCPAC tab, row 49.
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	Routine				0.1 DSRR	0.1 DSRR	Yes	\$ 30,856	Various	Yes	\$ 24.70	\$ 762	12 Booster pumps were replaced in 2022. A portion of that work was funded with 0.1 DSRR funds and the remainder will be funded with a loan from CoBank.
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	Routine	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 3,870	Various	Yes	\$ 24.70	\$ 96	
Booster Pump replacement/rebuild	Replace VFD, Booster2, Fletcher's Corner	2201771	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 2,714	Windham	Yes	\$ 25.08	\$ 68	
Booster Pump replacement/rebuild	Replace VFD Booster #1, Daniels Lake	2202067	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 3,226	Ware	Yes	\$ 22.91	\$ 74	
Booster Pump replacement/rebuild	Replace Booster 1 VFD, Fletcher	2203979	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 2,702	Windham	Yes	\$ 25.08	\$ 68	
Well Pump replacements	Well Pump replacements	Routine	\$ 40,000			0.1 DSRR	0.1 DSRR	Yes	\$ 46,432	Various	Yes	\$ 24.70	\$ 1,147	7 well pumps replaced/repai red in 2022. Funding of these well pumps divided between CoBank and 0.1 DSRR funds.
Well Pump replacements	Well Pump replacements	Routine		CoBank		Pending Filing	CoBank	Yes	\$ 8,058	Various	Yes	\$ 24.70	\$ 199	
Chemical Feed pump replacements	Chemical Feed pump replacements	Routine	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ -	Various	Yes	\$ 24.70	\$ -	0 completed in 2022
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	\$ -	Various	Yes	\$ 24.70	\$ -	
Castle Reach PFOA filtration system	Install filters in Castle Reach CWS booster Station to remove PFOA	2300511	\$ -			0.1 DSRR	0.1 DSRR	No	\$ -	Windham	Yes	\$ 25.08	\$ -	3rd quarter PFOA violation required installation of treatment. Filters installed but not used and usefual as filter media is not available due to supply chain issues.
Pioneer Park Arsenic Filtration system	Install filters in Pioneer Park CWS booster Station to remove Arsenic	2300449	\$ -	CoBank		Pending Filing		Yes	\$ 16,244	Atkinson	Yes	\$ 17.86	\$ 290	Raw Water levels of arsenic exceeded 5 ppb State Drinking Water Standing during the third quarter requiring the installation of filtration.
Misc. Structural Improvements	Misc. Structural Improvements	n/a	\$ 20,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	\$ 10,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	n/a	\$ 40,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	0 completed in 2022
Miscellaneous SCADA/Electrical	Replace Chlorine Analyzer - White Rock	2204658	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 4,453	Bow	Yes	\$ 31.81	\$ 142	
Well Rehabilitation	Well Rehabilitation	n/a	\$ 60,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	0 completed in 2022
Replace PLC @ W&E CWS	Replace PLC @ W&E CWS	n/a	\$ 18,000	CoBank		Pending Filing	CoBank	Yes		Windham	Yes	\$ 25.08	\$ -	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			0.1 DSRR	CoBank	Yes	\$ 9,257	Barnstead	Yes	\$ 26.82	\$ 248	
Install web based communication equipment, 4 locations	Install web based communication equipment, 4 locations	n/a	\$ 20,000	CoBank		Pending Filing	CoBank	Yes		Various	Yes	\$ 24.70	\$ -	1 completed in 2022 (see row below).
Install web based communication equipment, 4 locations	Install GS 300 RTU, Castle Reach	2202068	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 2,063	Windham	Yes	\$ 25.08	\$ 52	
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		Conway	No	\$ 23.23	\$ -	Payment due. Waiting on a bill from the North Conway Water Precinct.
Peacham Treatment Facility Backwash Tank Upgrade	Peacham Treatment Facility Backwash Tank Upgrade	2208042	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 7,420	Barnstead	Yes	\$ 26.82	\$ 199	
Replace VFD Booster Pump 2 at Meadowview	Replace VFD Booster Pump 2 at Meadowview	2208990	\$ -			0.1 DSRR	0.1 DSRR	Yes	\$ 5,507	Pelham	Yes	\$ 22.99	\$ 127	
New Services (5)	Single Family, Owner Build, New Homes	Routine	\$ 25,000			0.1 DSRR	0.1 DSRR	Yes	\$ 145,256	Various	Yes	\$ 24.70	\$ 3,588	20 services installed in 2022.
Renewed Services (10)	Replacement of failed services. 8 dual Services at Locke Lake per NHDES CAP	Routine	\$ 55,000			0.1 DSRR	0.1 DSRR	Yes	\$ 21,202	Various	Yes	\$ 24.70	\$ 524	9 Services renewed in 2022.
Hydrants (5)	Replacement of non functional hydrants	Routine	\$ 30,000			0.1 DSRR	0.1 DSRR	Yes	\$ 9,952	Various	Yes	\$ 24.70	\$ 246	1 Hydrants installed/repai red in 2022.
Gates (10)	Replacement of Failed Gate Valves	Routine	\$ 40,000			0.1 DSRR	0.1 DSRR	Yes	\$ 35,889	Various	Yes	\$ 24.70	\$ 886	6 Gate valves replaccd/repai red in 2022.
Radios (220)	New Customers (220)	Routine	\$ 23,100	CoBank		Pending Filing	CoBank	Yes	\$ 13,660	Various	Yes	\$ 24.70	\$ 337	133 Radios installed in 2022.
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	\$ 45,414	Various	Yes	\$ 24.70	\$ 1,122	198 Meters installed in 2022.
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		Various	Yes	\$ 24.70	\$ -	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			0.1 DSRR	0.1 DSRR	Yes	\$ 84,645	Various	Yes	\$ 24.70	\$ 2,091	882 Radios replaced in 2022.
DWGTf W&E Interconnection Contruction interest	Interst through interst change date on 7/31/2023	n/a	\$ -	CoBank		Pending Filing	CoBank	Yes	\$ 19,424	N/A	No	N/A	\$ -	Construction Interest accrued at 1% on outstanding loan balance until July 31, 2023.
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	\$ 41,228	N/A	No	N/A	\$ -	Anticipates closing on CoBank long term loan to pay off CoBank FALOC on 10/1/2023.

Pennichuck East Utilities Projected 2022 Total Capital Expenditure Budget - \$ 2,911,100

Projected annual property tax expenses for QCPAC eligible projects - \$ 38,783

Pennichuck East Utilities Projected 2022 QCPAC Eligible Capital Investment - \$ 1,779,091 exclusive of 2021 W&E Investment
Add in 2021 W&E connection expenditures to be funded by DWGTf Loan/Grant - \$ 221,787
Total Capex to be funded in 2022 with QCPAC - \$ 2,000,878
Funded with CoBank Loan³ - \$ 744,775
Funded with DWGTf loan⁴ - \$ 482,135
Funded with DWGWTF Grant - \$ 211,500
Funding with 0.1 DSRR - \$ 525,575
2023 0.1 DSRR funds - \$ 36,893

1. Tax rate is the sum of the local community rate as of Dec 2022 plus the Statewide Utility tax rate of \$6.60/\$1000
2. The 2022 PEU Capital Expenditures Budget presented was 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

	25 Years at	7.26%	resulting in P&I of	\$ 65,414	Based on 12/31/2022
	25 Years at	1.57%	resulting in P&I of	\$ 23,466	
Total P&I to support proposed QCPAC eligible 2022 Capex -				\$ 88,880	

Remoing \$11,301 of DWGTf loan was for paving, loaning and seeding of this project that was not completed until May of 2023. The P&I associated with this part of the loan will be sought as part of the 2024 QCPAC request.
5. Interest rate changed from 5.5% (original DW22-005 submission) to 7.25% to reflect projected interest rates in 2023
6. Available 0.1 DSRR at end of 2022 \$ 525,575 will be used to fund projects based on current projection that 2022 PEU RSF balance exceeds target Combined RSF amount of \$980,000
7. An additional \$ 36,893 of 0.1 DSRR money from 2023 will be used to cover the additional interest incurred on the CoBank and DWGTf loans to limit the CoBank Loan to the amount of \$ 744,775 that was approved in DW 23-046.

Pennichuck East Utilities, Inc.
DW 23-013
Projected 2023 QCPAC Capital Expenditures
2/13/2023
8/28/2023 Updated per DOE DR Set 1

PEU QCPAC Filing
Exhibit DLW-1
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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
Londonderry System Improvements	1.25 MG Tank, 16 Inch Transmission Main, & 3,500 gpm Booster Station		\$ 600,000	CoBank		Pending Filing	CoBank	Yes	\$ 600,000	Londonderry	Yes	\$ 23.90	\$ 14,340
Sunrise Estates - Middleton NH	Station and Storage Tank Replacement		\$ 500,000	CoBank		Pending Filing	CoBank	Yes	\$ 500,000	Middleton	Yes	\$ 31.72	\$ 15,860
Gage Hill - Pelham	Water Main Replacement Replace Approx. 4800 LF of 2 PE with 4 inch C-900 PVC - Paving only		\$ 700,000	CoBank		Pending Filing	CoBank	Yes	\$ 700,000	Pelham	Yes	\$ 22.99	\$ 16,093
Investment in Developer Services	1x Annual Revenue		\$ 150,000	CoBank		Pending Filing	CoBank	Yes	\$ 150,000	Various	Yes	\$ 24.70	\$ 3,705
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Well Pump replacements	Well Pump replacements		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Chemical Feed pump replacements	Chemical Feed pump replacements		\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.70	\$ 247
Install/replace treatment systems in small CWS (PFOA/Mn/Arsenic treatment systems)	Install/replace treatment systems in small CWS (supplemental Arsenic treatment systems		\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.70	\$ 1,235
Misc. Structural Improvements	Misc. Structural Improvements - roof re-build/repair W and E, Harvest Village, Castle Reach		\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.70	\$ 1,235
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects		\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.70	\$ 247
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Well Rehabilitation	Well Rehabilitation		\$ 60,000	CoBank		Pending Filing	CoBank	Yes	\$ 60,000	Various	Yes	\$ 24.70	\$ 1,482
Install web based communication equipment, 4 locations	Install web based communication equipment, 4 locations		\$ 20,000	CoBank		Pending Filing	CoBank	Yes	\$ 20,000	Various	Yes	\$ 24.70	\$ 494
New Services (5)	Single Family, Owner Build, New Homes		\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Renewed Services (20)	Replacement of failed services (5)		\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Renewed Services - Locke Lake (15)	Renewal of Main to Stop portion of servicesin Locke Lake per DES Order (15)		\$ 90,000	CoBank		Pending Filing	CoBank	Yes	\$ 90,000	Various	Yes	\$ 24.70	\$ 2,223
Hydrants (5)	Replacement of non functional hydrants (5)		\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Gates (10)	Replacement of Failed Gate Valves (10)		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Radios - PFOA (50)	New Radios for PFOA customers (50)		\$ 6,000	CoBank		Pending Filing	CoBank	Yes	\$ 6,000	Various	Yes	\$ 24.70	\$ 148
Radios (150)	New Customers (150)		\$ 18,000	CoBank		Pending Filing	CoBank	Yes	\$ 18,000	Various	Yes	\$ 24.70	\$ 445
New meters for new customers (150)	New meters for new customers (150)		\$ 19,000	CoBank		Pending Filing	CoBank	Yes	\$ 19,000	Various	Yes	\$ 24.70	\$ 469
New Meter - PFOA (50)	New Metere for PFOA Customers (50)		\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.70	\$ 154
Replacement of failed meters (50)	Replacement of failed meters (50)		\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.70	\$ 154
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter (400)		\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.70	\$ 1,235
2023 Radios (700)	Year 3 of 10 year replacement of all PEU radios (all initial radios installed in 2007) (700)		\$ 91,000	CoBank		Pending Filing	CoBank	Yes	\$ 91,000	Various	Yes	\$ 24.70	\$ 2,248
Interest on CoBank FALOC	Short term interest from 8/1/2023 - 7/31/2024		\$ 14,100	CoBank		Pending Filing	CoBank	Yes	\$ 14,100	Various	No	N/A	\$ -
Pennichuck East Utilities Projected 2024 Total Capital Expenditure Budget -									\$ 2,700,600	Projected annual property tax expenses for QCPAC eligible projects -			\$ 68,190
Pennichuck East Utilities Projected 2024 Total Capital Expenditures funded by CoBank Loan -									\$ 2,700,600				

1. Tax rate is the sum of the local community rate as of Dec 2022 plus the Statewide Utility tax rate of \$6.60/\$1000

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

3. Projected CoBank Loan Terms are 25 Years at 7.25% resulting in P&I of \$ 236,983

Pennichuck East Utilities, Inc.
DW 23-013
Projected 2024 QCPAC Capital Expenditures
2/13/2023
8/28/2023 Updated per DOE DR Set 1

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Project Name/Description	Project Description	2024 Approved Budgeted Amount (2)	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Source of Funding	Eligible for 2024 QCPAC Surcharge	Eligible for 2024 QCPAC Surcharge	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense
New Services (5)	Single Family, Owner Build, New Homes	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Renewed Services (20)	Replacement of failed services (5)	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Renewed Services - Locke Lake (15)	Renewal of Main to Stop portion of servicesin Locke Lake per DES Order (15)	\$ 90,000	CoBank		Pending Filing	CoBank	Yes	\$ 90,000	Various	Yes	\$ 24.70	\$ 2,223
Hydrants (5)	Replacement of non functional hydrants (5)	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Gates (10)	Replacement of Failed Gate Valves (10)	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Radios - PFOA (50)	New Radios for PFOA customers (50)	\$ 6,000	CoBank		Pending Filing	CoBank	Yes	\$ 6,000	Various	Yes	\$ 24.70	\$ 148
Radios (150)	New Customers (150)	\$ 18,000	CoBank		Pending Filing	CoBank	Yes	\$ 18,000	Various	Yes	\$ 24.70	\$ 445
New meters for new customers (150)	New meters for new customers (150)	\$ 19,000	CoBank		Pending Filing	CoBank	Yes	\$ 19,000	Various	Yes	\$ 24.70	\$ 469
New Meter - PFOA (50)	New Metere for PFOA Customers (50)	\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.70	\$ 154
Replacement of failed meters (50)	Replacement of failed meters (50)	\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.70	\$ 154
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter (400)	\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.70	\$ 1,235
2024 Radios (700)	Year 4 of 10 year replacement of all PEU radios (all initial radios installed in 2007) (700)	\$ 91,000	CoBank		Pending Filing	CoBank	Yes	\$ 91,000	Various	Yes	\$ 24.70	\$ 2,248
Londonderry System Improvements	1.25 MG Tank, 16 Inch Transmission Main, & 3,500 gpm Booster Station	\$ 1,100,000	CoBank		Pending Filing	CoBank	Yes	\$ 1,100,000	Londonderry	Yes	\$ 23.90	\$ 26,290
Investment in Developer Services	1x Annual Revenue	\$ 150,000	CoBank		Pending Filing	CoBank	Yes	\$ 150,000	Various	Yes	\$ 24.70	\$ 3,705
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Well Pump replacements	Well Pump replacements	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Chemical Feed pump replacements	Chemical Feed pump replacements	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.70	\$ 247
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	\$ 24.70	\$ 618
Misc. Structural Improvements	Misc. Structural Improvements	\$ 20,000	CoBank		Pending Filing	CoBank	Yes	\$ 20,000	Various	Yes	\$ 24.70	\$ 494
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.70	\$ 247
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Well Rehabilitation	Well Rehabilitation	\$ 60,000	CoBank		Pending Filing	CoBank	Yes	\$ 60,000	Various	Yes	\$ 24.70	\$ 1,482
Web based Communications 3 locations	Web based Communications 3 locations	\$ 18,000	CoBank		Pending Filing	CoBank	Yes	\$ 18,000	Various	Yes	\$ 24.70	\$ 445
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 -		\$ 1,943,600	Pennichuck East Utilities Projected 2024 QCPAC Eligible Capital Investment -		\$ 1,943,600		Projected annual property tax expenses for QCPAC eligible projects -		\$ 46,779			
					Funded with CoBank Loan ³ -		\$ 1,943,600					

1. Tax rate is the sum of the local community rate as of Dec 2022 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 2023.
3. Projected CoBank Loan Terms are 25 Years at 7.25% resulting in P&I of \$ 170,555

Pennichuck East Utilities, Inc.
DW 23-013
Projected 2025 QCPAC Capital Expenditures
2/13/2023
8/28/2023 Updated per DOE DR Set 1

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Project Name/Description	Project Description	2025 Approved Budgeted Amount (2)	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Source of Funding	Eligible for 2025 QCPAC Surcharge	Eligible for 2024 QCPAC Surcharge	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense
New Services (5)	Single Family, Owner Build, New Homes	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Renewed Services (20)	Replacement of failed services (5)	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Renewed Services - Locke Lake (15)	Renewal of Main to Stop portion of servicesin Locke Lake per DES Order (15)	\$ 90,000	CoBank		Pending Filing	CoBank	Yes	\$ 90,000	Various	Yes	\$ 24.70	\$ 2,223
Hydrants (5)	Replacement of non functional hydrants (5)	\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 24.70	\$ 741
Gates (10)	Replacement of Failed Gate Valves (10)	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Radios - PFOA (50)	New Radios for PFOA customers (50)	\$ 6,000	CoBank		Pending Filing	CoBank	Yes	\$ 6,000	Various	Yes	\$ 24.70	\$ 148
Radios (150)	New Customers (150)	\$ 18,000	CoBank		Pending Filing	CoBank	Yes	\$ 18,000	Various	Yes	\$ 24.70	\$ 445
New meters for new customers (150)	New meters for new customers (150)	\$ 19,000	CoBank		Pending Filing	CoBank	Yes	\$ 19,000	Various	Yes	\$ 24.70	\$ 469
New Meter - PFOA (50)	New Metere for PFOA Customers (50)	\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.70	\$ 154
Replacement of failed meters (50)	Replacement of failed meters (50)	\$ 6,250	CoBank		Pending Filing	CoBank	Yes	\$ 6,250	Various	Yes	\$ 24.70	\$ 154
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter (400)	\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ 50,000	Various	Yes	\$ 24.70	\$ 1,235
2025 Radios (700)	Year 5 of 10 year replacement of all PEU radios (all initial radios installed in 2007) (700)	\$ 91,000	CoBank		Pending Filing	CoBank	Yes	\$ 91,000	Various	Yes	\$ 24.70	\$ 2,248
Investment in Developer Services	1x Annual Revenue	\$ 150,000	CoBank		Pending Filing	CoBank	Yes	\$ 150,000	Various	Yes	\$ 24.70	\$ 3,705
Atkinson Pioneer Park	Booster Station and Storage Tank Replacement	\$ 800,000	CoBank		Pending Filing	CoBank	Yes	\$ 800,000	Atkinson	Yes	\$ 17.86	\$ 14,288
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Well Pump replacements	Well Pump replacements	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Chemical Feed pump replacements	Chemical Feed pump replacements	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.70	\$ 247
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	\$ 24.70	\$ 618
Misc. Structural Improvements	Misc. Structural Improvements	\$ 20,000	CoBank		Pending Filing	CoBank	Yes	\$ 20,000	Various	Yes	\$ 24.70	\$ 494
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 24.70	\$ 247
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 24.70	\$ 988
Well Rehabilitation	Well Rehabilitation	\$ 60,000	CoBank		Pending Filing	CoBank	Yes	\$ 60,000	Various	Yes	\$ 24.70	\$ 1,482
Interest on CoBank FALOC	Short term interest from 8/1/2025 - 7/31/2026	\$ 14,100	CoBank		Pending Filing	CoBank	Yes	\$ 14,100	Various	No	N/A	\$ -
Pennichuck East Utilities Projected 2025 Total Capital Expenditure Budget -		\$ 1,625,600	Pennichuck East Utilities Projected 2025 QCPAC Eligible Capital Investment -		\$ 1,625,600	Projected annual property tax expenses for QCPAC eligible projects - \$ 34,332						
						Funded with CoBank Loan ³ - \$ 1,625,600						

1. Tax rate is the sum of the local community rate as of Dec 2022 plus the Statewide Utility tax rate of \$6.60/\$1000

2. The 2025 PEU Capital Expenditures Budget presented were approved by the Board in January 2023.

3. Projected CoBank Loan Terms are

25 Years at7.25%resulting in P&I of\$142,649