

Pennichuck East Utilities, Inc.
DW 21-022

2021 QCPAC - Qualified Capital Project Adjustment Charge
 Responses to NH DOE Data Requests – Set 1

Date Request Received: 10/14/21
 Request No. Energy 1-1

Date of Response: 10/28/21
 Witness: Donald L. Ware

REQUEST: Re: Response to Staff Tech 1-1 and First Quarterly Update Exhibit DLW-1 (08-13-21), Page 2 (2020 CapEx): Please provide an update of the status of the anticipated \$1,135,409 CoBank Loan approved by Commission Order No. 26,507 (8/10/21) in DW 21-102.

- a) Has the Company closed on this loan?
 - i) If yes, what was the date of closing?
 - ii) If no, what is the anticipated date of closing?
- b) If the Company has closed on this loan, what are the final terms of the loan, including interest rate? Please provide supporting documentation.
- c) Please explain whether and how the date of closing on the loan impacts the anticipated effective date of the 2021 QCPAC.

RESPONSE:

- a) Yes. The loan was closed on September 29, 2021.
- b) Final loan terms were \$1,135,409 borrowed for 25 years at a rate of 4.18%. A copy of the Promissory Note is attached to this data request as Attachment 1-1b)-1. The Company asserts that this document contains confidential business terms and will file a motion for protective order and confidential treatment with the Commission. The Company asks that this document be kept confidential until decision on the motion by the Commission. The amortization schedule is attached to this data request as Attachment 1-1b)-2 Amortization Schedule.
- c) The proposed effective date for the 2021 QCPAC would be September 29, 2021, the date at which the loan was closed.

Pennichuck East Utilities, Inc.
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2021 QCPAC - Qualified Capital Project Adjustment Charge
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Date Request Received: 10/14/21
 Request No. Energy 1-2

Date of Response: 10/28/21
 Witness: Donald L. Ware

**REQUEST: Re: First Quarterly Update Exhibit DLW-1 (8-13-21), Page 2 (2020 CapEx),
 Line 50 – MSDC payment to MWW - \$127,007:**

- a) Please provide further explanation with regard to the basis for this particular line item and its inclusion for recovery under the QCPAC mechanism.
- b) Please provide a detailed explanation with regard to how the transaction involving the payment of these MSDC charges was recorded on the books and records of the Company, and if there will be an annual amortization of these charges (and over what period of time).
- c) In Commission Order No. 26,076 (November 17, 2017) in Docket Nos. DW 17-119 and DW 17-120, the Commission approved a new method by which the Company (and PWW) would collect the MSDC from individual customers upon their connection to the system rather than from the entire customer base as a whole. In that order the Commission commented, “Applying the MSDC to customers as they connect a new service line to a system that purchases its supply from Manchester Water Works, eliminates an expense shared by all customers and thereby mitigates any claim that the fee is unjust or unreasonable when applied to customers who do not take supply from Manchester Water Works.” (See Page 4, Commission Analysis) Please explain how the Company’s proposed inclusion of the MSDC in the QCPAC in this circumstance comports with Commission Order No. 26,076.
- d) Please provide documentation in support of the Company’s prior purchase of MSDC capacity from MWW, and please indicate the amount of prior capacity purchased in gallons per day (gpd).
- e) Please provide documentation in support of the requirement for the Company to purchase additional MSDC capacity from MWW during 2020 as well as the required unit cost of the purchase.

RESPONSE:

- a) Per PEU's purchase water contract with Manchester Water Works (MWW) PEU must pay for used MSDC capacity which is based on the average highest two months of usage on a gallons per day (gpd) basis based on PEU's total usage from its metered connections with MWW. Since 2020 was a drought year, there was record usage. Prior to 2020, PEU had purchased 787,073 gpd of MSDC capacity. In 2020, PEU used 897,411 gpd in MSDC capacity resulting in PEU needing to purchase an additional 110,338 gpd of capacity at \$3.79 per gpd or \$418,182.72. Since the approval of PEU's tariff which allowed it to collect MSDC from individual customers, PEU has collected \$291,174 from new customers in accordance with Commission Order No 26,026, leaving a residual MSDC fee to be collected of \$127,008. The fee to be collected is \$127,008, which has been updated in attached Exhibit DLW 1-5 on Page 2, line 51. The MSDC is a source of supply cost and the Company included the cost of this fee as a regulatory asset and the cost of that asset is amortized over 20 years, the term of the PEU/MWW purchased water agreement. Please see Attachment DOE 1-2a) for the calculation of this fee as provided by MWW and verified by PEU.
- b) The \$127,008 is recorded as a regulatory asset and it will be amortized over 20 years. Since the cash that was used to pay this asset was paid for with the proceeds derived from the CoBank loan that was closed on September 29, 2021, and associated with this Source of Supply Expense is proposed to be collected via the QCPAC. The amortization expense associated with this regulatory asset will be a proforma out of amortization expense in future rate cases and will not be collected as part of the MOERR.
- c) The fees collected by PWW in accordance with Commission Order No. 26,076 were collected from new customers in the amount of \$291,174 reduced PEU's MSDC payment to MWW from \$418,182.71 to \$127,008.39. The additional MSDC usage above and beyond that used and paid for by new customers was created by record usage by existing PEU customers during the summer months of 2020 that was a result of record outside usage in response to the drought of 2020. Since the \$127,008 was driven by existing customers this expense is appropriately shared by all PEU's rate payers, as it has been consistent in past rate cases.
- d) Please see Attachment DOE 1-2a). Please see the 2016 tab of this attachment in support of the Company's prior purchase amount of 569,005 gallons per day of MSDC capacity. This spreadsheet is prepared annually by Manchester Water Works (MWW) and is based on the meter readings and the resultant usage at each of PWW interconnections with Manchester Water Works. The meter readings from each metered location between MWW and PWW are found in the lower portion of the spreadsheet.

- e) Please see Attachment DOE 1-2b) which is a copy of the MWW-PWW Purchase Water Agreement. In regard to the MSDC requirement please see Article 3, Section 303 for the obligation of PWW to pay MWW for incremental increases in the MSDC usage at the MSDC rate in effect that the incremental increase occurs. The MSDC charge in 2020 was \$3.79 per gallon. Please see Attachment DOE 1-2c), specifically page 39 of Manchester Water Works tariff which defines the MSDC charges in effect as of January 1, 2021 as being \$3.90. This was a 3% increase over the rate charged for MSDC in 2020 of \$3.79 per gallon.

Pennichuck East Utilities, Inc.**DW 21-022****2021 QCPAC - Qualified Capital Project Adjustment Charge****Responses to NH DOE Data Requests – Set 1**

Date Request Received: 10/14/21
Request No. Energy 1-3

Date of Response: 10/28/21
Witness: Donald L. Ware

**REQUEST: Re: First Quarterly Update Exhibit DLW-1 (8-13-21), Page 3 (2021 CapEx),
Line 12 – Londonderry System Improvements - \$1,000,000:**

- a) It appears that the original \$1,600,000 budget cost of this project has been deferred to 2022. (See First Quarterly Update Exhibit DLW-1 (8-13-21), Page 4 (2022 CapEx), Line 11.) Please provide a detailed explanation as to why the original budgeted cost of this project has been deferred to 2022.
- b) Despite the deferral of the original project cost of \$1,600,000 to 2022, an estimated cost of \$1,000,000 is still indicated for this project for 2021 (Cell M12). Please provide a detailed explanation as to why the overall cost of this project now appears to be \$2,600,000 (2021: \$1,000,000 + 2022: \$1,600,000).
- c) The ‘Source of Funding’ for the \$1,000,000 project cost in 2021 is indicated as ‘CoBank’. (See Cell J12) However, the \$1,000,000 estimated cost is not indicated as ‘QCPAC Eligible’ for 2021 (Cell K12) and does not appear to be included in the total project costs to be ‘Funded with CoBank Loan’ of \$1,436,147 (Cell M43). Please provide detailed explanations as to why the \$1,000,000 amount is not QCPAC eligible for 2021 and is not included in the overall projected CoBank borrowing for 2021 CapEx.
- d) The \$1,000,000 project cost during 2021 is indicated as taxable (Cell R12). However, no property tax amount has been included for this project in Cell T12. Please explain.

RESPONSE:

- a) The project has been deferred from 2021 projects planned to the 2022 Capex projects planned due to the time required to gain the various town permits necessary to construct this project. The Company will be progressing through the town permitting process during the winter and into the spring of 2022, with the hope of attaining the approvals in the early spring so that the project can be placed out to bid and constructed during 2022.
- b) The \$1,000,000 was a typo. The figure should have been \$100,000 for monies spent on engineering and permitting of this project. PEU’s total projected cost for this project is still \$1.6 million with an estimated \$100,000 being spent in 2021, with the balance of

\$1.5 million being spent in 2022. Please see the attached revised Exhibit DLW 1-5 reflecting the correct estimated 2021 and 2022 expenditures on this project.

- c) As noted in response b) above the correct amount is \$100,000 for Engineering design and permitting for this project. Since this project will not be used and useful at the end of 2021, the \$100,000 will be funded with 0.1 DSRR funds. Please see the attached revised Exhibit DLW 1-5 reflecting the correct source of funding for the 2021 expenditures for this project. Since this portion of the project is being funded with 0.1 DSRR funds it is not included in the projected CoBank loan amount for 2021 PEU QCP's.
- d) Since the project will not be used and useful in 2021, there are no associated property taxes in 2021. The property taxes, associated with this finished project, are reflected in the 2022 tab and reflect the Company's projected total investment of \$1,600,000, in addition to the investment of the Developer of about \$1.6 million, bringing the total taxable property associated with this project to about \$3.2 million.

Pennichuck East Utilities, Inc.**DW 21-022****2021 QCPAC - Qualified Capital Project Adjustment Charge****Responses to NH DOE Data Requests – Set 1**

Date Request Received: 10/14/21
Request No. Energy 1-4

Date of Response: 10/28/21
Witness: Donald L. Ware

REQUEST: Re: First Quarterly Update Exhibit DLW-1 (8-13-21), Page 3 (2021 CapEx), Line 32 – Interconnect the W&E CWS to the Town of Salem Water System - \$565,000:
Please provide a more detailed explanation with regard to nature and purpose of this project, including its anticipated source of funding (Cell J32).

RESPONSE:

The interconnect between the W&E CWS and the Town of Salem water system is driven by two primary factors (1) well yield and (2) well water quality.

1. **Well Yield** - The W&E system currently has 3 active wells (#'s 3, 4 and 6) with respective capacities of 30 gpm (43,200 gpd), 12 gpm (17,280 gpd) and 10 gpm (14,400 gpd) for an aggregate total of 74,880 gpd. The average daily demand in the W&E system varies between about 40,000 gpd during the non-summer months to about 66,000 gpd with 1x per week outside usage restrictions in summer months. With the largest well “out of service,” which is a requirement in determining safe water yields for a CWS per regulation; the remaining wells cannot not produce enough water to meet the base system demands. With all the wells running, this system has to continuously impose severe outside water usage restrictions. The proposed interconnection will supplement the existing supply with 30,000 gpd, such that, even with the largest well “out of service” the base demand of the system can be met. Also, the addition of the 30,000 gpd will allow for lesser outside usage restrictions during the summer months.
2. **Well Quality** –The three W&E wells have high levels of hardness, manganese and iron. The average raw water hardness from the combined well flows is about 400 ppm as calcium hardness. The average raw water manganese and iron levels from the combined wells is about 0.3 ppm of manganese and about 2.6 ppm of iron. As such, the average raw water hardness, manganese and iron levels are well in excess of the Safe Drinking Water Act secondary standards, and the raw water manganese levels exceed the proposed NHDES primary standard for manganese. To compensate for these raw water influence levels, the raw well water is treated by softening and green sand filtration. This allows the levels of manganese and iron to be reduced to below the secondary standards and the proposed primary standard for manganese. With all of this, the treated harness level can only be reduced to about 150 ppm as Calcium hardness, which is still considered to be a hard water. And, it is important to note, that the hardness can only be lowered to this level (no further) without exceeding the secondary limit for sodium in the water, and

making the water taste salty. Mixing the very hard well water with about 30% to 40% soft water from the interconnection will allow the treated water hardness to be reduced down to about 50 ppt as calcium hardness, without exceeding the secondary standard for sodium.

The total project cost is projected to be about \$675,000 (inclusive of a 5% contingency) with the costs be broken down as follows:

1. MSDC - \$117,000 (30,000 gpd @ \$3.90 per gallon)
2. Meter between Salem and W&E - \$3,000
3. Weston & Sampson Disinfection study - \$6,000
4. Water Main Upgrades – Installation of 1,250' of new water main and associated road reconstruction. American Excavation awarded a contract of \$343,183.
5. Pennichuck purchase of Treatment Equipment for the Chloraminated water for items that had long lead times. - \$27,369
6. W&E Station Upgrades – Cost to provide new water treatment system, piping and valves; including the installation of the Pennichuck purchased items above. NE Earth awarded a contract of \$94,500.
7. Control panel & wiring; electrical work associated with the Station upgrades. The control wiring and electrical work will be completed by Pennichuck's electricians. The panel will be supplied by EII. - \$20,000
8. Internal Pennichuck Engineering – Cost for design, inspection, and management of the water main and W&E Station upgrade projects - \$35,000

The engineering for this project will be funded with 0.1 DSRR funds. The remainder of the project will be funded with a loan from CoBank.

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DW 21-022
 2021 QCPAC - Qualified Capital Project Adjustment Charge
 Responses to NH DOE Data Requests – Set 1

Date Request Received: 10/14/21
 Request No. Energy 1-5

Date of Response: 10/28/21
 Witness: Donald L. Ware

REQUEST: Re: First Quarterly Update Exhibit DLW-1 (8-13-21), Page 3 (2021 CapEx):

- a) Does the Company agree that the annual ‘current year’ capital budget, which in this filing is 2021, should be inclusive of a budget line item and amount pertaining to the anticipated interest on short-term borrowings, i.e. the CoBank Fixed Asset Line of Credit (FALOC), incurred during the construction / acquisition of the current year CapEx, that will be included in the subsequent year’s long-term financing for the 2021 projects? Please explain.
- b) Please provide the short-term interest amount that the Company currently anticipates will be incurred relative to its 2021 CapEx. Please provide the detailed calculation(s).

RESPONSE:

- a) Yes.
- b) It is not possible to accurately project the expected short-term interest amount that the Company currently anticipates it will incur in regard to its 2021 Capex necessary to provide an accurate “detailed calculation” due to:
 1. Project timing which impacts when CoBank FALOC funds will be drawn. The timing and magnitude of cash draws impacts both the interest expense on the borrowed funds and the amount of expense associated with the unused fee portion of the FALOC.
 2. Final projects and final project costs that will be completed, used and useful at the end of the year.
 3. The interest charged on FALOC draws varies with LIBOR. The Company has no way to project what the daily LIBOR rate will be.
 4. When PEU will be approved and able to close on the loan with CoBank to pay off the CoBank FALOC, as interest continues to accrue on the FALOC until it is repaid with term loan funds annually.

With the qualifiers noted above the Company has included a very high-level projection, with detailed calculations, of the interest it projects will be incurred on the

CoBank FALOC, based on current project statuses and anticipated project expenditure draws, through July 30, 2022 (the estimated closing date on the PEU CoBank loan to garner the cash used to pay off the 2021 CoBank FALOC borrowings). Attachment DOE 1-5 shows the actual FALOC draws for 2021 PEU Capex through 10/25/2021. Please note that the CoBank FALOC was fully paid down on 9/29/2021; the day that PEU closed on the long-term loan with CoBank that was used to repay FALOC draws that were made in 2020 to pay for PEU 2020 Capex for projects that were completed, used and useful as of 12/31/2020. The projected CoBank FALOC interest has been added to each QCPAC addition tab (2021, 2022 and 2023) as a budgeted item.

Pennichuck East Utilities, Inc.**DW 21-022****2021 QCPAC - Qualified Capital Project Adjustment Charge****Responses to NH DOE Data Requests – Set 1**

Date Request Received: 10/14/21

Date of Response: 10/28/21

Request No. Energy 1-6

Witness: Donald L. Ware

REQUEST: Re: First Quarterly Update Exhibit DLW-1 (8-13-31), Page 5 (2023 CapEx), Line 9 – Wellesley Drive - \$70,000: This schedule indicates that the ‘Source of Funding’ for this project is anticipated to be the ‘0.1 DSRR’ account (Cell J9). However, the \$70,000 estimated project cost appears to be included in the total amount to be ‘Funded with CoBank Loan’ of \$2,503,500 (Cell L33). Please explain.

RESPONSE:

The Source of Funding for this proposed project was incorrectly identified as 0.1 DSRR. This project will be funded with a loan from CoBank. The attached Exhibit DLW-1, Page 5 has been updated to show the correct financing source for this project.

Pennichuck East Utilities, Inc.

DW 21-022

2021 QCPAC - Qualified Capital Project Adjustment Charge

Responses to NH DOE Data Requests – Set 1

Date Request Received: 10/14/21
Request No. Energy 1-7

Date of Response: 10/28/21
Witness: John B. Boisvert

REQUEST: Re: First Quarterly Update Exhibit DLW-1 (8-13-31), Page 5 (2023 CapEx), Line 12 – Atkinson Booster Station - \$600,000: This project appears to have been deferred from 2022, per the Company's original filing, to now 2023, as indicated in the Company's most recent update. Please provide a detailed explanation for this apparent project deferral.

RESPONSE:

The project was shifted to 2023 because of delays in the projected start of the Londonderry storage tank project associated with the Special Agreement with Pillsbury, LLC (DW 18-101 Order 26,473). Shifting the Atkinson Booster Station to 2023 balances expenditures/investments between 2022 and 2023, to minimize rate impacts in any one year. The station is aging and needs to be replaced, but at the same time can be deferred for one year given the importance of completing the Londonderry project.

Pennichuck East Utilities, Inc.**DW 21-022****2021 QCPAC - Qualified Capital Project Adjustment Charge****Responses to NH DOE Data Requests – Set 1**

Date Request Received: 10/14/21

Date of Response: 10/28/21

Request No. Energy 1-8

Witness: John B. Boisvert

REQUEST: Re: First Quarterly Update Exhibit DLW-1 (08-13-21), Pelham water main upgrades (2020, lines 18-22; 2022, lines 8-10; 2023, line 8):

Regarding these upgrades, please indicate:

- a) The largest main diameter in the Williamsburg system prior to the improvements.
- b) Why the project scope of Williamsburg Phase I was significantly expanded in 2020.
- c) What percent of Williamsburg mains were or will have been replaced at completion of Phase I (2020) and Phase II (2023).
- d) The largest main diameter in the Gage Hill system prior to the improvements.
- e) What percent of Gage Hill mains will have been replaced at completion of that project (2022)?
- f) Are the Williamsburg and Gage Hill systems interconnected, or connected to any other system? Please explain.

RESPONSE:

- a) The largest main had a 12-inch diameter. The system has distribution storage (350,000 gallon Collins Way Tank) and is designed to support fire flows with a core of 12 inch diameter and 8 inch diameter water mains.
- b) This area of the Williamsburg system was transferred to the Company with very limited accurate mapping of the water distribution system. Much of the water main is not in a public street (right of way) but installed along the back lots of private properties. Investigations prior to construction discovered system valves which were not functioning properly, and pipeline thought to be looped was left as dead end runs of mains. This explained why this section of the system was shut down by only one valve. Dead end pipes were closed in the project area and a buried 2-inch pressure reducing valve was located during excavation. This valve was replaced with an accessible vault structure for proper maintenance and adjustment.
- c) Approximately 4.5% of the Gage Hill mains were replaced in 2020. The next phase will be of similar scope and will likely need to be followed by a third phase in this area of the system
- d) The largest main had a 2-inch diameter.

- e) It is anticipated that 100% of the mains in Gage Hill will be replaced, but this may occur in two to three “used and useful” phases over a two to three-year period pending budget considerations each year.
- f) No. Each are independent systems with their own sources of supply. These systems are not connected to any other water system.

Pennichuck East Utilities, Inc.
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2021 QCPAC - Qualified Capital Project Adjustment Charge
 Responses to NH DOE Data Requests – Set 1

Date Request Received: 10/14/21
 Request No. Energy 1-9

Date of Response: 10/28/21
 Witness: Donald L. Ware

REQUEST: Re: First Quarterly Update Exhibit DLW-1 (08-13-21), Londonderry Core System/Mountain Homes Station Re-chloramination (evaluation/design 2020, line 25; construction 2022, line 13); W&E System De-chloramination (2021, line 32):

- a) Please describe generally how Pennichuck has handled chloraminated water purchased from Manchester Water Works or other entities in its various systems over the years, including whether Pennichuck systems downstream of the meter have typically been chlorinated or chloraminated.
- b) When did re-chloramination become a concern for the Londonderry core system? Is the system currently chloraminated? Please explain.
- c) Why is de-chloramination anticipated for the W&E system? Why does the company believe de-chloramination will be successful? Has it had any experience with that process? Please explain.
- d) Regarding the 2020 Londonderry Core System Evaluation, please explain the meaning of “Design costs incorporated into Station rebuild above” in the last column of line 25.

RESPONSE:

- a) Pennichuck has typically not completed any change to the treated water it purchases from other water systems, such as Manchester Water Works. Until recently there has been no need to consider additional treatment as the purchased water met all the criteria of the SDWA and the water quality did not degrade within the Pennichuck systems so that there was never any potential of a violation of the SDWA. Re-chloramination has become a consideration in the past 3-4 years. Pennichuck began to see mono-chloramine residuals diminish, and in some cases, be non-detectable in its consecutive systems in Londonderry and Derry, where the purchased water supplied into those systems is chloraminated water from Manchester Water Works. The lack of a mono-chloramine residual (which is problematic in total water quality meeting SDWA requirements) appears to have resulted in the regrowth of nitrifying bacteria, which in turn resulted in numerous coliform bacteria hits over the past number of years.
- b) The water received by the Londonderry Core system is chloraminated water from Manchester Water Works. Over the past 3 to 4 years, as noted in a) above and c)

- below, during the summer months when water is warmer, the level of monochloramines entering the Londonderry system has been very low and trended to no residual being present within the system. This in turn created ideal conditions for bacterial regrowth and denitrification. As noted above, this has resulted in numerous coliform bacteria hits and a request being issued to the Company from the NHDES, requesting a plan on how to eliminate the nitrifying bacteria.
- c) The water that will be received via Salem and the Southern NH regional water main distribution system, is chloraminated water from Manchester Water Works. During the summer of 2020, the Town of Salem and the Hampstead Water Company experience problems with denitrification and nitrifying bacteria within their respective water systems. In anticipation of this problem, which is the result of little to no monochloramine residual, these systems installed re-chloramination facilities to boost the monochloramine within their systems and eliminate the condition (little or no monochloramine residual) that allowed the regrowth of nitrifying bacteria to occur. This became a concern in the past 3-4 years. Given its location along for interconnection into the regional water main, it is fully expected that the monochloramine residual at the entrance to the W&E system will be very low to non-existent during the summer and early fall, resulting in optimal conditions for bacterial regrowth.
- d) The note was not correct. It was a carryover from another spreadsheet. There is a total of \$12,000 in outside engineering costs associated with the Londonderry Core System evaluation. This evaluation was performed by an outside engineer to address the NHDES concerns about the lack of chloramine residual in the Londonderry core system and the resultant nitrifying bacteria growth in the system. The initial recommendation was to boost incoming chloramine levels from Manchester Water Works with a re-chloramination facility. The facility would boost chloramine levels such that a chloramine residual was maintained throughout the Londonderry distribution system to minimize the opportunity for bacteria regrowth.

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2021 QCPAC - Qualified Capital Project Adjustment Charge
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Date Request Received: 10/14/21
 Request No. Energy 1-10

Date of Response: 10/28/21
 Witness: John B. Boisvert

REQUEST: Re: First Quarterly Update Exhibit DLW-1 (08-13-21); Sunrise Station (Middleton) design (2020, line 24; 2021, line 17), re-build and arsenic treatment (2020, line 8)

- a) Please indicate the current status of the Sunrise station design, including the type of arsenic treatment anticipated.
- b) How does this treatment compare to the arsenic treatment at the Locke Lake Peacham Road facility?
- c) How does it compare to supplemental arsenic treatment systems installed or anticipated in 2021 (line 23) in other PEU systems?

RESPONSE:

- a) The upgrade design of the Sunrise Estates station including pumps, storage, treatment, electrical, and mechanical systems is about 30% complete. Because of the relative size of the Sunrise Estates system and its location, an adsorptive filter media will be used.
- b) The arsenic treatment planned for Sunrise Estates is adsorptive media where arsenic is removed by a beaded resin media that when fully utilized is changed out with new media. This process lends itself to and is very effective for small systems with lower water demand. The Locke Lake Peacham Road facility serves a larger customer base with higher demand flows. Peacham Road employs a process called coprecipitation. Peacham Road uses traditional iron and manganese filtration with a “permanent” media that is regenerated/refreshed by traditional backwash. Iron (iron oxide or rust) naturally adsorbs arsenic given the proper pH and a ratio of roughly 20-parts iron to 1-part arsenic. Ferric chloride is added to the raw water to achieve the 20:1 ratio prior to the filters. The filters remove the iron along with the arsenic that is attached to the iron.
- c) Supplemental arsenic treatment for smaller systems will be adsorptive media like Sunrise Estates as opposed to Peacham Road.

Pennichuck East Utilities, Inc.

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2021 QCPAC - Qualified Capital Project Adjustment Charge

Responses to NH DOE Data Requests – Set 1

Date Request Received: 10/14/21
Request No. Energy 1-11

Date of Response: 10/28/21
Witness: Donald L. Ware

REQUEST: Re: First Quarterly Update Exhibit DLW-1 (08-13-21), High Lead Brass

Meters:

At one-point replacement of all remaining high lead brass meters had been anticipated by year end 2021 (Staff 2-2 in DW 20-019). That effort now appears to be continuing annually through 2023. Please explain, including any regulatory time requirements involved.

RESPONSE:

Due to COVID-19, the Company did not do inside home appointments between March 2020 and the present, unless there was an emergency that required entrance into a customer's home. The planned high lead brass meter replacement work that was planned for 2020 and 2021, is now scheduled for 2022 and 2023. The only regulatory requirement regarding high lead brass meters is that when a meter of this type is removed from a customer's home for any purpose (meter pull and test, failed meter, etc.), that meter must be disposed of and cannot be reused.

Pennichuck East Utilities, Inc.
DW 21-022
Computation of QCPAC Surcharge
2/11/2021
Revised 6/2/2021 per Staff Tech Session DR1.
6/30/2021 Update
Revised 10/28/2021 for DOE DR1

PEU QCPAC Filing
Exhibit DLW-1
Page 1

	Proposed Settlement DW 20-156 Revenue Requirements		Projected 2020 Qualified Capital Project pro formas		Projected QCPAC Surcharge for 2020 Capital Additions	Projected 2021 Qualified Capital Project pro formas		Projected QCPAC Surcharge for 2021 Capital Additions	Projected 2022 Qualified Capital Project pro formas		Projected QCPAC Surcharge for 2022 Capital Additions	Projected QCPAC For 2023 Capital Additions pro formas		Projected QCPAC Surcharge for 2023 Capital Additions									
City Bond Fixed Revenue Requirement (CBFRR)	\$	926,309			\$	926,309	\$	-	\$	926,309	\$	-	\$	926,309									
Material Operating Expense Revenue Requirement (MOERR)	\$	6,982,335	(1)	\$	109,255	(5)(11)	\$	7,091,590	\$	28,265	(5)(10)	\$	7,119,854	\$	2,691	(5)(10)	\$	7,122,546	\$	60,595	(5)	\$	7,183,141
Operating Expense Contingency		1.04	(2)			1.04		1.04		1.04		1.04		1.04		1.04		1.04		1.04		1.04	
Material Operating Expense Revenue Requirement (MOERR)		7,261,628				7,375,253		7,404,649		7,407,447		7,470,467		7,470,467		7,470,467		7,470,467		7,470,467		7,470,467	
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		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		52,281	
Debt Service Revenue Requirement (DSRR 1.0)	\$	1,744,197	(3)	\$	270,861	(6)(7)	\$	2,015,058	\$	113,328		\$	2,128,386	\$	207,784		\$	2,336,170	\$	166,277		\$	2,502,447
Principal and Interest Coverage Requirement		1.10				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	\$	1,918,616			\$	2,216,564		2,341,224		2,569,787		2,752,692		2,752,692		2,752,692		2,752,692		2,752,692		2,752,692	
Revenue Requirement exclusive of NCCRS	\$	10,165,997			\$	10,577,570		10,731,626		10,962,988		11,208,911		11,208,911		11,208,911		11,208,911		11,208,911		11,208,911	
Less Other Operating Revenues	\$	30,188	(4)		\$	30,188		30,188		30,188		30,188		30,188		30,188		30,188		30,188		30,188	
Revenues required from Customer Classes exclusive of NCCRS	\$	10,135,809			\$	10,547,382		10,701,438		10,932,800		11,178,723		11,178,723		11,178,723		11,178,723		11,178,723		11,178,723	
Revenues subject to QCPAC	\$	10,135,809			\$	10,547,382		10,701,438		10,932,800		11,178,723		11,178,723		11,178,723		11,178,723		11,178,723		11,178,723	
Projected QCPAC Increase ⁸						4.06%		1.52%		2.28%		2.43%		2.43%		2.43%		2.43%		2.43%		2.43%	
Cumulative QCPAC increase ⁹						4.06%		5.58%		7.86%		10.29%		10.29%		10.29%		10.29%		10.29%		10.29%	
Cumulative QCPAC monthly increase in average single family residential bill					\$	3.42		4.70		6.63		8.67		8.67		8.67		8.67		8.67		8.67	
Average monthly single family residential bill with QCPAC					\$	87.73		89.01		90.94		92.98		92.98		92.98		92.98		92.98		92.98	

Notes:

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

Impact on PEU Single Family Residential Home:

Monthly meter charge requested in DW20-156.	\$	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 21-022
2020 used and useful QCP's
2/11/2021
Revised 10/28/2021 for DOE DR1

PEU QCPAC Filing
Exhibit DLW-1
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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 (%)	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	26,506	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	\$ -	CoBank	Pending Filing		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
Georgtown Drive water main replacement	Replace 4600 LF of 4 inch schedule 40 PVC with 6 inch C900 PVC.	2000363	\$ 10,000	DW18-132	26,189	11/18/2018	SRF	Yes	\$ 10,000	\$ 10,000	\$ -	\$ -	\$ -	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	11/20/2018	SRF	Yes	\$ 10,000	\$ 10,000	\$ -	\$ 1,056,000	\$ 966,252	Barnstead	Yes	\$ 27.84	\$ -	Based on final low bid and actual construction.
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	11/22/2018	SRF	Yes	\$ 239,000	\$ 265,620	\$ 255,000	\$ 255,000	\$ 244,214	Barnstead	Yes	\$ 27.84	\$ 6,799	Based on final low bid and actual construction.
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	11/24/2018	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	11/26/2018	SRF	Yes	\$ 80,000	\$ 59,500	\$ 59,500	\$ 56,500	\$ 69,061	Barnstead	Yes	\$ 27.84	\$ 1,925	Based on final low bid and actual construction.
Locke Lake Surface Water Treatment4	Intake & Treatment Facility Construction	1813409, 1900433, 2000369	\$ 835,000	DW18-132	26,189	11/26/2018	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 Treatment4	Intake & Treatment Facility Construction	1813409, 1900433, 2000369	\$ -	DW21-102	26,506	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	DW18-132	26,189	11/26/2018	CoBank	Yes	\$ 32,000	\$ 32,000	\$ 32,000	\$ 32,000	\$ 27,400	Phistow	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	26,506	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	\$ -	CoBank	26,506	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	\$ -	CoBank	26,506	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	\$ -	CoBank	26,506	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	\$ -	CoBank	26,506	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	CoBank	26,506	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 Evalution and Preliminary Design	2003760	\$ 35,000		0.1 DSRR		CoBank	No	\$ -	\$ 35,000	\$ 35,000	\$ 35,000	\$ 11,820	Londonderry	No	\$ 24.78	\$ -	
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	CoBank	26,506	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	CoBank	26,506	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	CoBank	26,506	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	CoBank	26,506	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	CoBank	26,506	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	CoBank	26,506	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	CoBank	26,506	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	\$ -	CoBank	26,506	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	\$ -	CoBank	26,506	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	\$ -	CoBank	26,506	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ 1,735	\$ 1,735	\$ 1,735	Raymond	Yes	\$ 30.53	\$ 53	
Well Rehabilitation	Well Rehabilitation	n/a	\$ 60,000	CoBank	26,506	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	CoBank	26,506	8/6/2021	CoBank	No	\$ -	\$ -	\$ -	\$ -	\$ -	Atkinson	Yes	\$ 22.84	\$ -	Project deferred into 2021 subject to evaluation of financial analysis of rebuilding the station vs. interconnect with HAWC.
Install web based communication equipment, 4 locations.	Install web based communication equipment, 4 locations.	n/a	\$ 20,000	CoBank	26,506	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	\$ -	CoBank	26,506	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	\$ -	CoBank/Grant	Pending Filing		DWGTIF/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	CoBank	26,506	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	CoBank	26,506	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 (6)	Replacement of non-functional hydrants.	730 & 731 workorders	\$ 30,000	CoBank	26,506	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	CoBank	26,506	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	CoBank	26,506	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	CoBank	26,506	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	\$ -	CoBank	26,506	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ -	Various	Yes	\$ 27.23	\$ -	Incorporated in Row 48 above.
PEU-PWW Interconnection	PEU-PWW Interconnection	2007474	\$ -	CoBank	26,506	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	\$ -	CoBank	26,506	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ -	\$ 127,008	Various	No	\$ 27.23	\$ -	As billed by PWW for increase in MSDC allowed usage. Increase occurred due to 2020 drought
Interest on CoBank FALOC	Short term interest from 11/23/2020 - 7/31/2021		\$ -	CoBank	26,506	8/6/2021	CoBank	Yes	\$ -	\$ -	\$ -	\$ 16,000	\$ 17,608	Various	No	\$ 27.23	\$ -	Based on closing on CoBank long term loan to pay off CoBank FALOC on 9/29/2021.
Pennichuck East Utilities Projected 2020 Total Capital Expenditure Budget -			\$ 4,373,000	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 a total projected cost of
5. Projected SRF Terms for Locke Lake project are

25 Years at 4.18% resulting in P&I of 232,853 resulting in P&I of

Pennichuck East Utilities Projected 2020 QCPAC Eligible Capital Investment less 0.1 DSRR funded projects -	\$ 1,692,000	\$ 3,861,191	\$ 3,714,955	\$ 4,951,522	\$ 5,144,007
Funded with CoBank Loan1 -	\$ 1,692,000	\$ 2,371,191	\$ 2,014,955	\$ 979,022	\$ 1,136,860
Funded with SRF1 -	\$ -	\$ 1,490,000	\$ 1,700,000	\$ 3,972,500	\$ 4,007,147
		\$ 154,686	\$ 131,447	\$ 63,867	\$ 74,164
		\$ 73,139	\$ 83,447	\$ 194,997	\$ 196,097
Total projected P&I on debt incurred to support 2020 used and useful capex -		\$ 227,825	\$ 214,894	\$ 258,864	\$ 270,861

Pennichuck East Utilities, Inc.
DW 21-022
Projected 2021 QCPAC Capital Expenditures
2/1/2021
6/30/2021 Update
Revised 10/28/2021 for DOE DR1

PEU QCPAC Filing
Exhibit DLW-1
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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	Community	Taxable	Tax Rate (I)	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	Barnstead	Yes	\$ 27.84	\$ 5,568	Total project cost incurred between 2019 through 2021 when project became Used and Useful.
Pelham Main Replacement/Addition	Replace 1600 LF of 3 inch PE with 12 in C-900 and add 775 LF of 12 in C-900 on Monticello, Mt. Vernon and Lane Road - Finish Paving	2105634	\$ 40,000	CoBank	Pending Filing		CoBank	Yes	\$ 40,000	\$ 40,000	\$ 40,000	Pelham	Yes	\$ 24.86	\$ 994	
Pelham Main Replacement/Addition	Finish Paving	2105635		CoBank	Pending Filing		CoBank	Yes				Pelham	Yes		\$ -	included in WO 2105634 final paving
Pelham Main Replacement/Addition	Finish Paving	2105636		CoBank	Pending Filing		CoBank	Yes				Pelham	Yes		\$ -	included in WO 2105634 final paving
Londonderry System Improvements	Tank, Transmission Main, & Booster Station	2102351	\$ 1,600,000	0.1 DSRR				No	\$ 1,600,000	\$ 100,000	\$ 100,000	Londonderry	No	\$ 24.78	\$ -	Project delay in permitting will require carry over into 2022
Atkinson Booster pump station design	Atkinson Booster pump station design	2102306	\$ 30,000	0.1 DSRR				No	\$ 30,000	\$ 30,000	\$ 30,000	Atkinson	No	\$ 22.84	\$ -	
Locke Lake Filter Replacement	Replace two failed (structural-collapse of screen supports) iron, manganese, & arsenic filters.	n/a	\$ 30,000	CoBank	Pending Filing		CoBank	Yes	\$ 30,000	\$ -	\$ 10,000	Barnstead	Yes	\$ 27.84	\$ 278	Completed in 2020
Airstrip Station Decommissioning	Abandon unused wells and Station	2101758	\$ 40,000	DW18-132	26,189	11/26/2018	SRF	Yes	\$ 40,000	\$ 78,000	\$ 78,000	Barnstead	No	\$ 27.84	\$ -	
1 x revenue investments Normal Run Rate	Per Tariff	Routine	\$ 100,000	CoBank	Pending Filing		CoBank	Yes	\$ 100,000	\$ 170,000	\$ 155,000	Various	Yes	\$ 27.23	\$ 4,220	91 New Developer Installed thru 09/30/21 projecting 20 more
Sunrise Estates	Station Replacement (design)	2102007	\$ -	0.1 DSRR			0.1 DSRR	No	\$ -	\$ 8,000	\$ 8,000	Middleton	No	\$ 33.55	\$ -	Deferred - monies shown for engineering design
Londonderry Core Re-Chloramination	Re-chloramination Evaluation and Preliminary Design	2102008	\$ -	0.1 DSRR			0.1 DSRR	No	\$ -	\$ 700	\$ 700	Londonderry	No	\$ 24.78	\$ -	Deferred - monies shown for engineering design
Nesenkeag Well Decomission	Nesenkeag Well Decomission	2104691	\$ -	0.1 DSRR			0.1 DSRR	No	\$ -	\$ 19,600	\$ 20,000	Londonderry	No	\$ 24.78	\$ -	
Londonderry RRA and ERP	Londonderry RRA and ERP	2105486	\$ -	0.1 DSRR			0.1 DSRR	No	\$ -	\$ -	\$ 26,150	Londonderry	No	\$ 24.78	\$ -	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	Litchfield	No		\$ -	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	Lond/Litch	No		\$ -	Requested evaluation by NHDES - Internal Engineering Staff. Ability to serve water from Nashua
Castle Reach, Replace VFD, Pump #2	Castle Reach, Replace VFD, Pump #2	2107680	\$ -	CoBank	Pending Filing		CoBank	Yes	\$ -	\$ -	\$ 1,300	Windham	Yes	\$ 23.89	\$ 31	
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild	Routine	\$ 40,000	CoBank	Pending Filing		CoBank	Yes	\$ 40,000	\$ 30,000	\$ 25,000	Various	Yes	\$ 27.23	\$ 681	Installed/Repaired 5 pumps through 09/30/21, project 2 more
Well Pump replacements	Well Pump replacements	Routine	\$ 40,000	CoBank	Pending Filing		CoBank	Yes	\$ 40,000	\$ 30,000	\$ 30,000	Various	Yes	\$ 27.23	\$ 817	Installed/Repaired 5 pumps through 09/30/21, project 2 more
Chemical Feed pump replacements	Chemical Feed pump replacements	Routine	\$ 10,000	CoBank	Pending Filing		CoBank	Yes	\$ 10,000	\$ 8,000	\$ 6,000	Various	Yes	\$ 27.23	\$ 163	Installed/Repaired 2 pumps through 09/30/21, project 1 more
Install/replace treatment systems in small CWS (supplemental Arsenic treatment)	Install/replace treatment systems in small CWS (supplemental Arsenic treatment systems).	n/a	\$ 50,000	CoBank	Pending Filing		CoBank	Yes	\$ 50,000	\$ 27,000	\$ 27,000	Various	Yes	\$ 27.23	\$ 735	
Install Poly Phosphate Sequestration System, Skyview Estates, Pelham	Install Poly Phosphate Sequestration System, Skyview Estates, Pelham	2104065		CoBank	Pending Filing		CoBank	Yes		\$ 3,000	\$ 3,000	Pelham	Yes	\$ 24.86	\$ 75	
Install/replace treatment systems in small CWS (supplemental Arsenic treatment)	Install PFAs Removal Treatment System, Harvest Village, Londonderry	2104692		CoBank	Pending Filing		CoBank	Yes		\$ 20,000	\$ 20,000	Londonderry	Yes	\$ 24.78	\$ 496	
Misc. Structural Improvements	Misc. Structural Improvements	n/a	\$ 20,000	CoBank	Pending Filing		CoBank	Yes	\$ 20,000	\$ 5,750	\$ 5,750	Various	Yes	\$ 27.23	\$ 157	
Misc. Structural Improvements	Pave Access Road to Stone Sled Station	2103983		CoBank	Pending Filing		CoBank	Yes		\$ 14,250	\$ 14,250	Various	Yes	\$ 27.23	\$ 388	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	n/a	\$ 10,000	CoBank	Pending Filing		CoBank	Yes	\$ 10,000	\$ 10,000	\$ 5,000	Various	Yes	\$ 27.23	\$ 136	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	n/a	\$ 30,000	CoBank	Pending Filing		CoBank	Yes	\$ -	\$ 30,000	\$ 20,000	Various		\$ 27.23	\$ -	
Well Rehabilitation	Well Rehabilitation	n/a	\$ 60,000	CoBank	Pending Filing		CoBank	Yes	\$ 60,000	\$ 60,000	\$ 51,610	Various	Yes	\$ 27.23	\$ 1,405	
Well Rehabilitation	Rehabilitate Well #9, Locke Lake, Barnstead	2102279	\$ -	CoBank	Pending Filing		CoBank	\$ -	\$ -	\$ -	\$ 8,390	Barnstead	Yes	\$ 27.84	\$ 234	
Install web based communication equipment, 4 locations	Install web based communication equipment, 4 locations	n/a	\$ 20,000	CoBank	Pending Filing		CoBank	Yes	\$ 20,000	\$ 20,000	\$ 20,000	Various	Yes	\$ 27.23	\$ 545	
Interconnect the W&E CWS to the Town of Salem Water System.	Interconnect the W&E CWS to the Town of Salem Water System.	2004243 & 2101750	\$ -	CoBank/Grant	Pending Filing		DWGT/P/CoBank	Yes	\$ -	\$ 565,000	\$ 175,000	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. 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	CoBank	Pending Filing		CoBank	Yes	\$ 25,000	\$ 15,000	\$ 20,000	Various	Yes	\$ 27.23	\$ 545	Installed 3 new service through 09/30/21, projecting 1 more
Renewed Services (20)	Replacement of failed services (focus on Locke Lake Services).	Routine	\$ 110,000	CoBank	Pending Filing		CoBank	Yes	\$ 110,000	\$ 50,000	\$ 40,000	Various	Yes	\$ 27.23	\$ 1,089	Renewed 5 services through 09/30/21, projecting 5 more
Hydrants (5)	Replacement of non-functional hydrants	Routine	\$ 30,000	CoBank	Pending Filing		CoBank	Yes	\$ 30,000	\$ 30,000	\$ 12,000	Various	Yes	\$ 27.23	\$ 327	None replaced to date. Projecting 2 more
Gates (8)	Replacement of Failed Gate Valves	Routine	\$ 32,000	CoBank	Pending Filing		CoBank	Yes	\$ 32,000	\$ 40,000	\$ 35,000	Various	Yes	\$ 27.23	\$ 953	Installed/Repaired 4 gates through 09/30/21, Projecting 1 more
Radios (300)	New Customers (220) and replaced failed radios (80) for meter reading.	Routine	\$ 31,500	CoBank	Pending Filing		CoBank	Yes	\$ 31,500	\$ 27,000	\$ 20,000	Various	Yes	\$ 27.23	\$ 545	Installed/Repaired 99 radios through 09/30/21, projecting 100 more
New meters for new customers (220). Replacement of failed meters (80).	New meters for new customers (220) and replacement meters (80).	Routine	\$ 30,000	CoBank	Pending Filing		CoBank	Yes	\$ 30,000	\$ 50,000	\$ 38,000	Various	Yes	\$ 27.23	\$ 1,035	Installed/Repaired 172 meters through 09/30/21, projecting 100 more
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter.	Routine	\$ 40,000	CoBank	Pending Filing		CoBank	Yes	\$ 40,000		\$ -	Various	Yes	\$ 27.23	\$ -	Included in line above
2021 Radios (1000)	Year 1 of 7 year replacement of all PEU radios (all initial radios installed in 2007).	2101627	\$ 130,000	CoBank	Pending Filing		CoBank	Yes	\$ 130,000	\$ 106,000	\$ 98,000	Various	Yes	\$ 27.23	\$ 2,668	Replaced 924 Radios through 09/30/21, projecting 80 more
Interest on CoBank FaLOC	Short term interest from 9/29/2021 - 7/31/2022		\$ -	CoBank	Pending Filing		CoBank	Yes	\$ -	\$ -	\$ 13,650	Various	No	\$ -	\$ -	Anticipates closing on CoBank long term loan to pay off CoBank FaLOC on 8/1/2022.

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

Projected annual property tax expenses for QCPAC eligible projects - \$ 28,265

Pennichuck East Utilities Projected 2020 QCPAC Eligible Capital Investment - \$ 2,718,500 \$ 1,669,000 \$ 1,171,950
Funded with CoBank Loan¹ - \$ 2,485,647 \$ 1,436,147 \$ 939,950
Funded with SRF Loan¹ - \$ 232,853 \$ 232,853 \$ 232,000
Funded with 0.1 DSRR - \$ 30,000 \$ 158,300 \$ 221,000

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

2. The 2021 PEU Capital Expenditures Budget presented were approved by the Board in January 2021.

3. Projected CoBank Loan Terms are

4. Projected SRF Terms for Locke Lake project are

25 Years at 5.0%
30 Years at 2.704%

resulting in P&I of
resulting in P&I of

		6/30/2021 Update	9/30/2021 Update
\$	176,363	\$ 101,898	\$ 66,692
\$	11,430	\$ 11,430	\$ 11,388
\$	187,793	\$ 113,328	\$ 78,080

\$ 511,813.67

Pennichuck East Utilities, Inc.
DW 21-022
Projected 2022 QCPAC Capital Expenditures
2/11/2021
6/30/2021 Update - Defer Atkinson Station upgrade. Add in Londonderry System Improvements
Revised 10/28/2021 for DOE DR1

PEU QCPAC Filing
Exhibit DLW-1
Page 4

Project Name/Description	Project Description	Work Order #	2022 Approved Budgeted Amount, Revised to reflect 2020 QCPAC activity	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Source of Funding	Eligible for 2022 QCPAC Surcharge	Eligible for 2022 QCPAC Surcharge	Community	Taxable	Tax Rate (l)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since Petition Filing
Wellesley Drive water main replacement4	Replace 1760 LF of 2 inch PE with 1760 LF of C900 PVC.		\$ -	CoBank		Pending Filing	CoBank	Yes	\$ -	Pelham	Yes	\$ 24.86	\$ -	Project deferred due to available funds being used for Londonderry Tank and W&E
Radcliffe Drive water main replacement4	Replace 720 LF of 1.5 inch PE with 720 LF of C900 PVC.		\$ -	CoBank		Pending Filing	CoBank	Yes	\$ -	Pelham	Yes	\$ 24.86	\$ -	Project deferred due to available funds being used for Londonderry Tank and W&E
Vassar Drive water main replacement4	Replace 1740 LF of 2 inch PE with 1740 LF of C900 PVC.		\$ -	CoBank		Pending Filing	CoBank	Yes	\$ -	Pelham	Yes	\$ 24.86	\$ -	Project deferred due to available funds being used for Londonderry Tank and W&E
Londonderry System Improvements	Tank, Transmission Main, & Booster Station	2102351	\$ 1,600,000	CoBank		Pending Filing	CoBank	Yes	\$ 1,600,000	Londonderry	Yes	\$ 24.78	\$ 39,648	Project delay in permitting will require carry over into 2022
W&E Interconnection to Salem	Direct Connection to W&E Station, add dechloramination		\$ 530,000	CoBank		Pending Filing	CoBank	Yes	\$ 530,000	Windham	Yes	\$ 23.89	\$ 12,662	Project bid in fall of 2021, material not available until spring 2022.
1 x revenue investments Normal Run Rate	Per Tariff		\$ 100,000	CoBank		Pending Filing	CoBank	Yes	\$ 100,000	Various	Yes	\$ 27.23	\$ 2,723	
Londonderry Mountain Homes Station Improvements	Station Expansion for and including Chemical Feed Facilities for re-chloramination.		\$ -	CoBank		Pending Filing	CoBank	Yes	\$ -	Londonderry	Yes	\$ 24.78	\$ -	Project deferred pending additional study and Potential PFOA expansion in Londonderry
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 27.23	\$ 1,089	
Well Pump replacements	Well Pump replacements		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 27.23	\$ 1,089	
Chemical Feed pump replacements	Chemical Feed pump replacements		\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 27.23	\$ 272	
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	\$ 27.23	\$ 681	
Miscellaneous Structural Improvements	Misc. Structural Improvements		\$ 20,000	CoBank		Pending Filing	CoBank	Yes	\$ 20,000	Various	Yes	\$ 27.23	\$ 545	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects		\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 27.23	\$ 272	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 27.23	\$ 817	
Well Rehabilitation	Well Rehabilitation		\$ 60,000	CoBank		Pending Filing	CoBank	Yes	\$ 60,000	Various	Yes	\$ 27.23	\$ 1,634	
New Services (5)	Single Family, Owner Build, New Homes		\$ 25,000	CoBank		Pending Filing	CoBank	Yes	\$ 25,000	Various	Yes	\$ 27.23	\$ 681	
Renewed Services (20)	Replacement of failed services (focus on Locke Lake System).		\$ 110,000	CoBank		Pending Filing	CoBank	Yes	\$ 110,000	Pelham	Yes	\$ 24.86	\$ 2,735	
Hydrants (5)	Replacement of non-functional hydrants.		\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Pelham	Yes	\$ 24.86	\$ 746	
Gates (8)	Replacement of Failed Gate Valves.		\$ 32,000	CoBank		Pending Filing	CoBank	Yes	\$ 32,000	Pelham	Yes	\$ 24.86	\$ 796	
Radios (300)	New Customers (220) and replaced failed radios (80) for meter reading.		\$ 31,500	CoBank		Pending Filing	CoBank	Yes	\$ 31,500	Various	Yes	\$ 27.23	\$ 858	
New meters for new customers (220). Replacement of failed meters (80)	New meters for new customers (220) and replacement meters (80).		\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 27.23	\$ 817	
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter.		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 27.23	\$ 1,089	
2022 Radios (1000)	Year 2 of 7 year replacement of all PEU radios (all initial radios installed in 2007).		\$ 130,000	CoBank		Pending Filing	CoBank	Yes	\$ 130,000	Various	Yes	\$ 27.23	\$ 3,540	
Interest on CoBank FALOC	Short term interest from 8/1/2022 - 7/31/2023		\$ 35,000	CoBank		Pending Filing	CoBank	Yes	\$ 35,000	Various	No	\$ 27.23	\$ -	Anticipates closing on CoBank long term loan to pay off CoBank FALOC on 8/1/2023.
Pennichuck East Utilities Projected 2020 Total Capital Expenditure Budget - \$ 2,928,500														Projected annual property tax expenses for QCPAC eligible projects - \$ 72,691
Pennichuck East Utilities Projected 2020 QCPAC Eligible Capital Investment - \$ 2,928,500														
Funded with CoBank Loan ³ - \$ 2,928,500														

1. Tax rate is the sum of the local community rate plus the Statewide Utility tax rate of \$6.60/\$1000
2. The 2022 PEU Capital Expenditures Budget presented were approved by the Board in January 2021.
3. Projected CoBank Loan Terms are 25 Years at 5.0% resulting in P&I of \$ 207,784 35000
4. The Wellesley, Radcliffe and Vassar Drive water main replacemnts will be completed over 2 years with water main replacement occurring in 2022 and final pavement in 2023.

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

PEU QCPAC Filing
Exhibit DLW-1
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Project Name/Description	Project Description	Work Order #	2022 Approved Budgeted Amount, Revised to reflect 2020 QCPAC activity	Financing Docket No.	NHPUC Order No.	Date of NHPUC Order	Source of Funding	Eligible for 2022 QCPAC Surcharge	Eligible for 2022 QCPAC Surcharge	Community	Taxable	Tax Rate (l)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since Petition Filing
Pelham Main Replacement	Monticello & Lane Area Phase 2		\$ 700,000	CoBank		Pending Filing	CoBank	Yes	\$ 700,000	Pelham	Yes	\$ 24.86	\$ 17,402	
Wellesley Drive water main replacement	Replace 1760 LF of 2 inch PE with 1760 LF of C900 PVC (paving).		\$ 70,000	CoBank		Pending Filing	CoBank	Yes	\$ -	Pelham	Yes	\$ 24.86	\$ 1,740	Project deferred due to available funds being used for Montecello project
Radcliffe Drive water main replacement	Replace 720 LF of 1.5 inch PE with 720 LF of C900 PVC (paving).		\$ 50,000	CoBank		Pending Filing	CoBank	Yes	\$ -	Pelham	Yes	\$ 24.86	\$ -	Project deferred due to available funds being used for Montecello project
Vassar Drive water main replacement	Replace 1740 LF of 2 inch PE with 1740 LF of C900 PVC (paving).		\$ 70,000	CoBank		Pending Filing	CoBank	Yes	\$ -	Pelham	Yes	\$ 24.86	\$ -	Project deferred due to available funds being used for Montecello project
Atkinson Booster Station	Replace and Upgrade Station for AS treatment and Fire flow.		\$ 600,000	CoBank		Pending Filing	CoBank	Yes	\$ 600,000	Atkinson	Yes	\$ 22.84	\$ 13,704	
Locke Lake	Circle & Emmerson Replace 2100 feet of 2 inch PE.		\$ 250,000	CoBank		Pending Filing	CoBank	Yes	\$ 250,000	Barnstead	Yes	\$ 27.84	\$ 6,960	
1 x revenue investments Normal Run Rate	Per Tariff		\$ 100,000	CoBank		Pending Filing	CoBank	Yes	\$ 100,000	Various	Yes	\$ 27.23	\$ 2,723	
Booster Pump replacement/rebuild	Booster Pump replacement/rebuild		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 27.23	\$ 1,089	
Well Pump replacements	Well Pump replacements		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 27.23	\$ 1,089	
Chemical Feed pump replacements	Chemical Feed pump replacements		\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 27.23	\$ 272	
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	\$ 27.23	\$ 681	
Miscellaneous Structural Improvements	Miscellaneous Structural Improvements		\$ 20,000	CoBank		Pending Filing	CoBank	Yes	\$ 20,000	Various	Yes	\$ 27.23	\$ 545	
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects		\$ 10,000	CoBank		Pending Filing	CoBank	Yes	\$ 10,000	Various	Yes	\$ 27.23	\$ 272	
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 27.23	\$ 817	
Well Rehabilitation	Well Rehabilitation		\$ 60,000	CoBank		Pending Filing	CoBank	Yes	\$ 60,000	Various	Yes	\$ 27.23	\$ 1,634	
New Services (5)	Single Family, Owner Build, New Homes		\$ 25,000	CoBank		Pending Filing	CoBank	Yes	\$ 25,000	Various	Yes	\$ 27.23	\$ 681	
Renewed Services (20)	Replacement of failed services (focus on Locke Lake System).		\$ 110,000	CoBank		Pending Filing	CoBank	Yes	\$ 110,000	Various	Yes	\$ 27.23	\$ 2,995	
Hydrants (5)	Replacement of non-functional hydrants.		\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 27.23	\$ 817	
Gates (8)	Replacement of Failed Gate Valves		\$ 32,000	CoBank		Pending Filing	CoBank	Yes	\$ 32,000	Various	Yes	\$ 27.23	\$ 871	
Radios (300)	New Customers (220) and replaced failed radios (80) for meter reading.		\$ 31,500	CoBank		Pending Filing	CoBank	Yes	\$ 31,500	Various	Yes	\$ 27.23	\$ 858	
New meters for new customers (220). Replacement of failed meters (80).	New meters for new customers (220)		\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	Yes	\$ 27.23	\$ 817	
Meters 5/8"-6" Lead Meter Exchange - PEU (400)	Replace High lead brass meter with new no lead brass meter.		\$ 40,000	CoBank		Pending Filing	CoBank	Yes	\$ 40,000	Various	Yes	\$ 27.23	\$ 1,089	
2022 Radios (1000)	Year 3 of 7 year replacement of all PEU radios (all initial radios installed in 2007).		\$ 130,000	CoBank		Pending Filing	CoBank	Yes	\$ 130,000	Various	Yes	\$ 27.23	\$ 3,540	
Interest on CoBank FALOC	Short term interest from 8/1/2023 - 7/31/2024		\$ 30,000	CoBank		Pending Filing	CoBank	Yes	\$ 30,000	Various	No	\$ 27.23	\$ -	Anticipates closing on CoBank long term loan to pay off CoBank FALOC on 8/1/2024.
Pennichuck East Utilities Projected 2020 Total Capital Expenditure Budget -			\$ 2,533,500	Projected annual property tax expenses for QCPAC eligible projects -										\$ 60,595
Pennichuck East Utilities Projected 2020 QCPAC Eligible Capital Investment -									\$ 2,343,500					
Funded with CoBank Loan ¹ -									\$ 2,343,500					

1. Tax rate is the sum of the local community rate plus the Statewide Utility tax rate of \$6.60/\$1000
2. The 2022 PEU Capital Expenditures Budget presented were approved by the Board in January 2021.
3. Projected CoBank Loan Terms are 25 Years at 5.0% resulting in P&I of \$ 166,277
5. The Wellesley, Radcliffe and Vassar Drive water main replacemts will be completed over 2 years with water main replacement occurring in 2022 and final pavement in 2023.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



(Signature Page Follows)

IN WITNESS WHEREOF, the parties have caused this Promissory Note and Supplement to be executed by their duly authorized officers as of the date shown above.

CoBANK, ACB

By: _____

Name: _____

Title: _____

PENNICHUCK EAST UTILITY, INC.

By: _____

Name: _____

Title: _____

IN WITNESS WHEREOF, the parties have caused this Promissory Note and Supplement to be executed by their duly authorized officers as of the date shown above.

CoBANK, ACB

By: _____

Name: _____

Title: _____

PENNICHUCK EAST UTILITY, INC.

By:  _____

Name: Larry D. Goodhue

Title: Chief Executive Officer

Pennichuck East Utility Inc.
 DW 21-022 2021 QCPAC
 Attachment DOE DR 1-1b)
 10/28/2028

Customer Name: PENNICHUCK EAST UTILITY INC

Loan Type: LTF

Rate: 4.18%

Facility/Loan Maturity Date: 10/20/2046

Interest calculations are for estimating purposes only

Due Date	Remaining Principal Balance	Principal Payment	Interest Payment
	1,135,409.00		
10/20/21	1,135,409.00	0.00	263.67
11/22/21	1,133,350.75	2,058.25	4,086.84
12/20/21	1,131,153.50	2,197.25	3,952.86
01/20/22	1,129,079.93	2,073.57	4,076.37
02/22/22	1,126,998.90	2,081.03	4,068.63
03/21/22	1,124,517.81	2,481.09	3,669.08
04/20/22	1,122,420.36	2,097.45	4,053.40
05/20/22	1,120,185.04	2,235.32	3,914.39
06/20/22	1,118,071.99	2,113.05	4,036.97
07/20/22	1,115,821.52	2,250.47	3,899.28
08/22/22	1,113,692.77	2,128.75	4,021.30
09/20/22	1,111,556.35	2,136.42	4,013.87
10/20/22	1,109,283.18	2,273.17	3,876.63
11/21/22	1,107,130.90	2,152.28	3,997.82
12/20/22	1,104,842.31	2,288.59	3,861.51
01/20/23	1,102,674.04	2,168.27	3,981.86
02/20/23	1,100,497.96	2,176.08	3,973.80
03/20/23	1,097,930.72	2,567.24	3,582.64
04/20/23	1,095,737.57	2,193.15	3,957.61
05/22/23	1,093,409.29	2,328.28	3,821.66
06/20/23	1,091,199.87	2,209.42	3,941.34
07/20/23	1,088,855.79	2,344.08	3,805.89
08/21/23	1,086,629.98	2,225.81	3,924.44
09/20/23	1,084,396.15	2,233.83	3,916.44
10/20/23	1,082,028.38	2,367.77	3,782.24
11/20/23	1,079,777.99	2,250.39	3,899.92
12/20/23	1,077,394.12	2,383.87	3,766.19
01/22/24	1,075,127.06	2,267.06	3,883.28
02/20/24	1,072,851.83	2,275.23	3,875.39
03/20/24	1,070,319.27	2,532.56	3,617.55
04/22/24	1,068,026.73	2,292.54	3,858.14
05/20/24	1,065,601.93	2,424.80	3,725.89
06/20/24	1,063,292.42	2,309.51	3,840.92
07/22/24	1,060,851.13	2,441.29	3,708.90
08/20/24	1,058,524.52	2,326.61	3,824.42
09/20/24	1,056,189.53	2,334.99	3,815.24
10/21/24	1,053,723.50	2,466.03	3,684.21
11/20/24	1,051,371.22	2,352.28	3,798.54
12/20/24	1,048,888.41	2,482.81	3,667.47
01/20/25	1,046,518.74	2,369.67	3,780.89

02/20/25	1,044,140.53	2,378.21	3,772.12
03/20/25	1,041,390.06	2,750.47	3,399.86
04/21/25	1,038,993.40	2,396.66	3,754.49
05/20/25	1,036,467.47	2,525.93	3,624.73
06/20/25	1,034,053.08	2,414.39	3,736.28
07/21/25	1,031,509.94	2,543.14	3,607.28
08/20/25	1,029,077.72	2,432.22	3,718.77
09/22/25	1,026,636.74	2,440.98	3,709.47
10/20/25	1,024,067.76	2,568.98	3,582.07
11/20/25	1,021,608.75	2,459.01	3,691.74
12/22/25	1,019,022.26	2,586.49	3,564.03
01/20/26	1,016,545.09	2,477.17	3,674.22
02/20/26	1,014,058.99	2,486.10	3,664.46
03/20/26	1,011,210.72	2,848.27	3,302.31
04/20/26	1,008,705.43	2,505.29	3,646.08
05/20/26	1,006,074.00	2,631.43	3,519.18
06/22/26	1,003,550.21	2,523.79	3,627.11
07/20/26	1,000,900.82	2,649.39	3,501.86
08/20/26	998,358.42	2,542.40	3,608.53
09/21/26	995,806.87	2,551.55	3,599.14
10/20/26	993,130.50	2,676.37	3,474.66
11/20/26	990,560.13	2,570.37	3,580.62
12/21/26	987,865.49	2,694.64	3,456.12
01/20/27	985,276.17	2,589.32	3,562.03
02/22/27	982,677.53	2,598.64	3,552.15
03/22/27	979,727.23	2,950.30	3,201.13
04/20/27	977,108.61	2,618.62	3,533.67
05/20/27	974,367.12	2,741.49	3,409.37
06/21/27	971,729.21	2,637.91	3,513.23
07/20/27	968,968.98	2,760.23	3,390.98
08/20/27	966,311.64	2,657.34	3,493.84
09/20/27	963,644.73	2,666.91	3,484.05
10/20/27	960,856.34	2,788.39	3,362.58
11/22/27	958,169.80	2,686.54	3,464.70
12/20/27	955,362.33	2,807.47	3,344.18
01/20/28	952,656.01	2,706.32	3,444.96
02/21/28	949,939.96	2,716.05	3,435.01
03/20/28	946,993.53	2,946.43	3,204.96
04/20/28	944,257.09	2,736.44	3,415.15
05/22/28	941,401.16	2,855.93	3,295.20
06/20/28	938,644.59	2,756.57	3,395.49
07/20/28	935,769.11	2,875.48	3,275.69
08/21/28	932,992.27	2,776.84	3,374.59
09/20/28	930,205.43	2,786.84	3,364.71
10/20/28	927,300.56	2,904.87	3,246.36
11/20/28	924,493.24	2,807.32	3,344.18
12/20/28	921,568.46	2,924.78	3,226.51
01/22/29	918,740.51	2,827.95	3,323.58
02/20/29	915,902.37	2,838.14	3,313.85

03/20/29	912,734.99	3,167.38	2,983.97
04/20/29	909,875.23	2,859.76	3,292.32
05/21/29	906,899.54	2,975.69	3,175.71
06/20/29	904,018.79	2,880.75	3,271.24
07/20/29	901,022.70	2,996.09	3,155.36
08/20/29	898,120.79	2,901.91	3,249.79
09/20/29	895,208.43	2,912.36	3,239.14
10/22/29	892,181.65	3,026.78	3,124.73
11/20/29	889,247.92	2,933.73	3,218.74
12/20/29	886,200.38	3,047.54	3,104.02
01/21/30	883,245.12	2,955.26	3,196.55
02/20/30	880,279.22	2,965.90	3,186.06
03/20/30	876,996.01	3,283.21	2,868.42
04/22/30	874,007.62	2,988.39	3,163.95
05/20/30	870,906.99	3,100.63	3,051.74
06/20/30	867,896.68	3,010.31	3,141.62
07/22/30	864,774.77	3,121.91	3,029.82
08/20/30	861,742.39	3,032.38	3,120.32
09/20/30	858,699.09	3,043.30	3,108.48
10/21/30	855,545.13	3,153.96	2,997.85
11/20/30	852,479.53	3,065.60	3,086.81
12/20/30	849,303.91	3,175.62	2,976.24
01/20/31	846,215.84	3,088.07	3,064.03
02/20/31	843,116.66	3,099.18	3,052.72
03/20/31	839,712.64	3,404.02	2,747.90
04/21/31	836,590.05	3,122.59	3,030.01
05/20/31	833,359.08	3,230.97	2,921.37
06/20/31	830,213.62	3,145.46	3,006.76
07/21/31	826,960.44	3,253.18	2,898.85
08/20/31	823,791.95	3,168.49	2,984.15
09/22/31	820,612.05	3,179.90	2,972.18
10/20/31	817,325.43	3,286.62	2,866.22
11/20/31	814,122.25	3,203.18	2,949.17
12/22/31	810,813.02	3,309.23	2,842.93
01/20/32	807,586.41	3,226.61	2,926.54
02/20/32	804,348.18	3,238.23	2,913.98
03/22/32	800,911.51	3,436.67	2,715.57
04/20/32	797,649.26	3,262.25	2,891.21
05/20/32	794,282.65	3,366.61	2,785.68
06/21/32	790,996.53	3,286.12	2,866.40
07/20/32	787,606.75	3,389.78	2,762.94
08/20/32	784,296.60	3,310.15	2,842.42
09/20/32	780,974.54	3,322.06	2,830.34
10/20/32	777,549.85	3,424.69	2,727.72
11/22/32	774,203.51	3,346.34	2,806.30
12/20/32	770,755.23	3,448.28	2,704.97
01/20/33	767,384.43	3,370.80	2,781.90
02/21/33	764,001.49	3,382.94	2,769.59
03/21/33	760,340.26	3,661.23	2,491.71

04/20/33	756,931.97	3,408.29	2,745.31
05/20/33	753,423.53	3,508.44	2,644.16
06/20/33	749,990.34	3,433.19	2,719.65
07/20/33	746,457.72	3,532.62	2,620.04
08/22/33	742,999.46	3,458.26	2,694.63
09/20/33	739,528.76	3,470.70	2,682.81
10/20/33	735,959.69	3,569.07	2,583.68
11/21/33	732,463.65	3,496.04	2,656.92
12/20/33	728,869.97	3,593.68	2,559.54
01/20/34	725,348.41	3,521.56	2,631.45
02/20/34	721,814.17	3,534.24	2,618.62
03/20/34	718,015.78	3,798.39	2,354.50
04/20/34	714,455.15	3,560.63	2,592.84
05/22/34	710,798.74	3,656.41	2,496.54
06/20/34	707,212.13	3,586.61	2,567.39
07/20/34	703,530.50	3,681.63	2,471.37
08/21/34	699,917.73	3,612.77	2,540.44
09/20/34	696,291.95	3,625.78	2,527.71
10/20/34	692,572.28	3,719.67	2,433.41
11/20/34	688,920.07	3,652.21	2,501.08
12/20/34	685,174.71	3,745.36	2,407.80
01/22/35	681,495.87	3,678.84	2,474.51
02/20/35	677,803.79	3,692.08	2,461.98
03/20/35	673,862.31	3,941.48	2,211.76
04/20/35	670,142.75	3,719.56	2,434.22
05/21/35	666,331.99	3,810.76	2,342.54
06/20/35	662,585.33	3,746.66	2,407.27
07/20/35	658,748.25	3,837.08	2,316.27
08/20/35	654,974.28	3,773.97	2,379.60
09/20/35	651,186.74	3,787.54	2,365.87
10/22/35	647,309.95	3,876.79	2,276.65
11/20/35	643,494.81	3,815.14	2,339.41
12/20/35	639,591.23	3,903.58	2,249.93
01/21/36	635,748.31	3,842.92	2,310.78
02/20/36	631,891.56	3,856.75	2,297.27
03/20/36	627,874.19	4,017.37	2,136.22
04/21/36	623,989.10	3,885.09	2,268.86
05/20/36	620,017.57	3,971.53	2,182.59
06/20/36	616,104.20	3,913.37	2,240.48
07/21/36	612,105.21	3,998.99	2,154.73
08/20/36	608,163.36	3,941.85	2,212.52
09/22/36	604,207.32	3,956.04	2,197.75
10/20/36	600,166.88	4,040.44	2,114.30
11/20/36	596,182.06	3,984.82	2,169.18
12/22/36	592,113.67	4,068.39	2,085.49
01/20/37	588,099.86	4,013.81	2,141.20
02/20/37	584,071.60	4,028.26	2,125.69
03/20/37	579,825.40	4,246.20	1,907.77
04/20/37	575,767.36	4,058.04	2,096.42

05/20/37	571,627.86	4,139.50	2,014.54
06/22/37	567,540.31	4,087.55	2,066.67
07/20/37	563,372.15	4,168.16	1,986.90
08/20/37	559,254.89	4,117.26	2,037.03
09/21/37	555,122.80	4,132.09	2,022.09
10/20/37	550,911.39	4,211.41	1,943.27
11/20/37	546,749.28	4,162.11	1,992.26
12/21/37	542,508.70	4,240.58	1,913.70
01/20/38	538,316.34	4,192.36	1,962.57
02/22/38	534,108.89	4,207.45	1,946.89
03/22/38	529,700.24	4,408.65	1,746.71
04/20/38	525,461.78	4,238.46	1,917.38
05/20/38	521,147.05	4,314.73	1,839.70
06/21/38	516,877.80	4,269.25	1,885.36
07/20/38	512,533.17	4,344.63	1,810.38
08/20/38	508,232.91	4,300.26	1,854.41
09/20/38	503,917.18	4,315.73	1,838.85
10/20/38	499,527.40	4,389.78	1,764.83
11/22/38	495,180.33	4,347.07	1,807.71
12/20/38	490,760.12	4,420.21	1,735.47
01/20/39	486,381.49	4,378.63	1,776.22
02/21/39	481,987.10	4,394.39	1,760.36
03/21/39	477,409.01	4,578.09	1,577.20
04/20/39	472,982.33	4,426.68	1,729.04
05/20/39	468,484.79	4,497.54	1,657.32
06/20/39	464,025.99	4,458.80	1,696.21
07/20/39	459,497.25	4,528.74	1,626.19
08/22/39	455,006.10	4,491.15	1,663.93
09/20/39	450,498.78	4,507.32	1,648.72
10/20/39	445,922.92	4,575.86	1,579.18
11/21/39	441,382.91	4,540.01	1,615.17
12/20/39	436,775.30	4,607.61	1,548.02
01/20/40	432,202.36	4,572.94	1,582.32
02/20/40	427,612.96	4,589.40	1,565.77
03/20/40	422,907.74	4,705.22	1,450.00
04/20/40	418,284.88	4,622.86	1,532.61
05/21/40	413,596.82	4,688.06	1,467.22
06/20/40	408,940.44	4,656.38	1,499.61
07/20/40	404,219.83	4,720.61	1,434.75
08/20/40	399,529.71	4,690.12	1,465.38
09/20/40	394,822.70	4,707.01	1,448.43
10/22/40	390,052.91	4,769.79	1,385.68
11/20/40	385,311.80	4,741.11	1,415.61
12/20/40	380,508.87	4,802.93	1,352.63
01/21/41	375,733.41	4,775.46	1,380.21
02/20/41	370,940.75	4,792.66	1,363.52
03/20/41	366,001.63	4,939.12	1,216.55
04/22/41	361,173.94	4,827.69	1,328.30
05/20/41	356,286.94	4,887.00	1,269.86

06/20/41	351,424.28	4,862.66	1,293.21
07/22/41	346,503.32	4,920.96	1,234.86
08/20/41	341,605.45	4,897.87	1,259.22
09/20/41	336,689.95	4,915.50	1,240.39
10/21/41	331,717.66	4,972.29	1,183.65
11/20/41	326,766.57	4,951.09	1,205.55
12/20/41	321,759.72	5,006.85	1,149.15
01/20/42	316,772.79	4,986.93	1,169.21
02/20/42	311,767.90	5,004.89	1,151.20
03/20/42	306,636.40	5,131.50	1,024.64
04/21/42	301,595.03	5,041.37	1,115.04
05/20/42	296,500.50	5,094.53	1,062.26
06/20/42	291,422.65	5,077.85	1,078.48
07/21/42	286,292.68	5,129.97	1,026.32
08/20/42	281,178.08	5,114.60	1,042.41
09/22/42	276,045.08	5,133.00	1,023.37
10/20/42	270,861.55	5,183.53	974.07
11/20/42	265,691.41	5,170.14	986.39
12/22/42	260,471.81	5,219.60	936.90
01/20/43	255,264.27	5,207.54	950.28
02/20/43	250,037.99	5,226.28	930.30
03/20/43	244,705.80	5,332.19	824.43
04/20/43	239,441.52	5,264.28	892.56
05/20/43	234,130.48	5,311.04	845.67
06/22/43	228,828.13	5,302.35	854.46
07/20/43	223,480.13	5,348.00	810.01
08/20/43	218,139.44	5,340.69	816.21
09/21/43	212,779.53	5,359.91	796.96
10/20/43	207,375.63	5,403.90	753.63
11/20/43	201,976.97	5,398.66	758.36
12/21/43	196,535.44	5,441.53	715.46
01/20/44	191,097.76	5,437.68	720.05
02/22/44	185,640.52	5,457.24	699.85
03/21/44	180,120.52	5,520.00	638.40
04/20/44	174,623.77	5,496.75	661.15
05/20/44	169,086.95	5,536.82	620.40
06/20/44	163,550.48	5,536.47	620.83
07/20/44	157,975.09	5,575.39	581.92
08/22/44	152,398.62	5,576.47	580.92
09/20/44	146,802.08	5,596.54	562.15
10/20/44	141,168.35	5,633.73	523.70
11/21/44	135,531.39	5,636.96	520.56
12/20/44	129,858.40	5,672.99	485.19
01/20/45	124,180.73	5,677.67	479.93
02/20/45	118,482.62	5,698.11	459.51
03/20/45	112,722.73	5,759.89	397.77
04/20/45	106,983.38	5,739.35	418.45
05/22/45	101,210.95	5,772.43	385.32
06/20/45	95,430.16	5,780.79	378.38

07/20/45	89,617.49	5,812.67	345.16
08/21/45	83,794.97	5,822.52	335.40
09/20/45	77,951.50	5,843.47	315.14
10/20/45	72,077.94	5,873.56	284.42
11/20/45	66,192.29	5,885.65	272.40
12/20/45	60,277.77	5,914.52	243.55
01/22/46	54,349.64	5,928.13	230.02
02/20/46	48,400.18	5,949.46	210.08
03/20/46	42,412.45	5,987.73	170.48
04/20/46	36,420.02	5,992.43	165.87
05/21/46	30,401.79	6,018.23	140.08
06/20/46	24,366.13	6,035.66	123.41
07/20/46	18,305.92	6,060.21	98.19
08/20/46	12,226.72	6,079.20	79.26
09/20/46	6,125.64	6,101.08	57.42
10/20/46	6,125.64	0.00	28.00

	Total	PEU Portion	PWW Portion
Average Daily Flow (Gal.) - Max. allowed -	2,100,000		
MSDC purchased Average Daily Flow prior to 2020 (Gal.)	1,356,078	787,073	569,005
MSDC Average Daily Flow purchased with collected MSDC fees (Gal.)	1,436,355	863,900	572,455
Increase in 2020 (Gal.)	80,277	76,827	3,450
Current MSDC rate per gallon -	\$ 3.79	\$ 3.79	\$ 3.79
MSDC additional charge (Paid from Collected MSDC fees) -	\$ 304,250	\$ 291,174	\$ 13,076
MSDC Flow purchased as of 12/29/2020 (Gal.)	1,436,355	863,900	572,455
MSDC Flow utilized in 2020 (Gal.)	1,531,757	897,411	616,346
Additional MSDC that must be purchased for 2020 (Gal.)	77,402	33,511	43,891
MSDC additional 2020 charge -	\$ 293,355	\$ 127,008.39	\$ 166,346

77,402

proof

w/o fire protection

with fire protection

with fire protection

with fire protection

Manchester Water Works
Schedule of Pennichuck 60 day average daily consumption
2019

	Total	PEU Portion	PWW Portion
Average Daily Flow (Gal.) - Max. allowed	2,100,000		
Average Daily Flow (Gal.) -	1,356,078	718,602	502,704
Average Daily Flow (Gal.)	-	-	-
Increase in 2016 (Gal.)	-	-	-
Current MSDC rate per gallon -	\$ 3.37	\$ 3.37	\$ 3.37
MSDC additional charge	\$ -	\$ -	\$ -

Purchased 1,356,078 in 2016

Consumption (Gal.):	# days in billing cycle	Consumption current period	Consumption prior period	Two (2) month Average Daily flow
Month:				
January	30	19,955,072	-	665,169
February	28	15,697,874	19,955,072	614,706
March	28	16,912,032	15,697,874	582,320
April	31	17,179,673	16,912,032	577,825
May	32	20,962,960	17,179,673	605,439
June	32	24,398,148	20,962,960	708,767
July	30	33,702,665	24,398,148	937,110
August	29	33,986,570	33,702,665	1,147,275
September	32	30,274,427	33,986,570	1,053,459
October	30	25,277,860	30,274,427	896,005
November	33	18,397,060	25,277,860	693,253
December	30	14,905,324	18,397,060	528,609

Pennichuck East Utility, Inc. (PEU)				Pennichuck Water Works, Inc. (PWW)				PEU CCF Total	PWW CCF Total	Gallons Total
Cust #95593 Loc #69634 Joanne Dr. Smythwoods	Cust #95563 Loc #69604 Harvey Rd.	Cust #95615 Loc #69656 Mammoth Rd.	Cust #95741 Loc #64798 Rockingham @ Coteville Rd	Cust #143619 Loc #207920 Pine Ave. Meter Pit	Cust #95683 Loc #69736 Patten and County Rd.	Cust #107225 Loc #200376 Donald Street				
30	865	3,537	16,026	1,030	152	1,110	3,958	21,610	5,068	19,955,072
28	667	2,301	13,181	758	144	882	3,052	17,052	3,935	15,697,874
28	651	2,531	14,576	445	204	963	3,240	18,407	4,203	16,912,032
31	665	2,545	14,537	380	180	1,065	3,595	18,308	4,659	17,179,673
32	660	3,255	15,904	406	195	1,406	6,199	20,420	7,605	20,962,960
32	807	4,290	15,665	460	146	1,141	10,108	21,369	11,249	24,398,148
30	848	2,901	23,548	635	176	1,410	15,539	28,108	16,949	33,702,665
29	871	1,599	23,411	1,063	193	1,389	16,910	27,138	18,299	33,986,570
32	735	3,363	20,283	938	176	1,212	13,767	25,496	14,978	30,274,427
30	676	3,009	18,147	780	214	1,089	9,878	22,826	10,968	25,277,860
33	632	2,429	14,839	585	191	984	4,935	18,676	5,919	18,397,060
30	562	2,188	12,581	590	148	839	3,019	16,069	3,858	14,905,324
365	8,640	33,947	202,700	8,070	2,121	13,490	94,200	255,478	107,690	271,649,664
	8,640	33,947	202,700	8,070	2,121	13,490	94,200			

hdonderry Tank			Wellington Tank Low Service Tanks						Londonderry Tank CCF Total	Wellington Tank CCF Total	Low Service Tank CCF Total
Cust #95563 Loc #69604 Harvey Rd.	Cust #95615 Loc #69656 Mammoth Rd.	Cust #95741 Loc #64798 Rockingham @ Coteville Rd	Cust #95593 Loc #69634 Joanne Dr. Smythwoods	Cust #143619 Loc #207920 Pine Ave. Meter Pit	Cust #95683 Loc #69736 Patten and County Rd.	Cust #107225 Loc #200376 Donald Street					
3,537	16,026	1,030	865	152	1,110	3,958	20,593	865	5,220		
2,301	13,181	758	667	144	882	3,052	16,241	667	4,079		
2,531	14,576	445	651	204	963	3,240	17,552	651	4,407		
2,545	14,537	380	665	180	1,065	3,595	17,463	665	4,840		
3,255	15,904	406	660	195	1,406	6,199	19,565	660	7,801		
4,290	15,665	460	807	146	1,141	10,108	20,415	807	11,396		
2,901	23,548	635	848	176	1,410	15,539	27,084	848	17,125		
1,599	23,411	1,063	871	193	1,389	16,910	26,073	871	18,492		
3,363	20,283	938	735	176	1,212	13,767	24,585	735	15,154		
3,009	18,147	780	676	214	1,089	9,878	21,936	676	11,182		
2,429	14,839	585	632	191	984	4,935	17,852	632	6,111		
2,188	12,581	590	562	148	839	3,019	15,359	562	4,006		
33,947	202,700	8,070	8,640	2,121	13,490	94,200	244,717	8,640	109,811		
-	-	-	-	-	-	-	-	-	-		

Cust #95593 Loc #69634 Joanne Dr. Smythwoods w/o fire protection	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec	
	27-Dec	25-Jan	29	29	720	29	-	-	-	-	-	-	-	-	-	-	720.00	-	-	-	-	-	-	-	-	-	-	720	
	25-Jan	25-Feb	31	31	750	6	25	-	-	-	-	-	-	-	-	-	145.16	604.84	-	-	-	-	-	-	-	-	-	750	
	25-Feb	26-Mar	29	29	600	-	3	26	-	-	-	-	-	-	-	-	-	62.07	537.93	-	-	-	-	-	-	-	-	600	
	26-Mar	25-Apr	30	30	680	-	-	5	25	-	-	-	-	-	-	-	-	-	113.33	566.67	-	-	-	-	-	-	-	680	
	25-Apr	24-May	29	29	570	-	-	-	5	24	-	-	-	-	-	-	-	-	-	98.28	471.72	-	-	-	-	-	-	570	
	24-May	25-Jun	32	32	860	0	-	-	-	7	25	-	-	-	-	-	-	-	-	-	188.13	671.88	-	-	-	-	-	860	
	25-Jun	26-Jul	31	31	840	0	0	-	-	5	26	-	-	-	-	-	-	-	-	-	-	135.48	704.52	-	-	-	-	840	
	26-Jul	26-Aug	31	31	890	0	0	0	-	0	5	26	-	-	-	-	-	-	-	-	-	-	143.55	746.45	-	-	-	890	
	26-Aug	25-Sep	30	30	750	0	-	0	0	0	-	5	25	0	0	0	-	-	-	-	-	-	-	125.00	625.00	-	-	750	
	25-Sep	25-Oct	30	30	660	0	-	-	-	0	-	5	5	25	6	25	-	-	-	-	-	-	-	-	110.00	550.00	-	660	
	25-Oct	25-Nov	31	31	650	0	-	-	-	0	-	-	5	6	25	26	-	-	-	-	-	-	-	-	-	125.81	524.19	650	
	25-Nov	26-Dec	31	31	670	-	-	-	-	-	-	-	-	6	5	26	-	-	-	-	-	-	-	-	-	108.06	561.94	670	
	26-Dec	26-Jan	31	4	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	
					8,640	35	28	31	30	31	30	31	30	31	30	30	865.16	666.91	651.26	664.94	659.85	807.36	848.06	871.45	735.00	675.81	632.26	561.94	8,640

Cust #95563 Loc #69604 Harvey Rd. with fire protection	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec	
	27-Dec	25-Jan	29	29	3,043	29	-	-	-	-	-	-	-	-	-	-	-	3,043.20	-	-	-	-	-	-	-	-	-	3,043	
	25-Jan	25-Feb	31	31	2,551	6	25	-	-	-	-	-	-	-	-	-	493.70	2,057.10	-	-	-	-	-	-	-	-	2,551		
	25-Feb	26-Mar	29	29	2,357	-	3	26	-	-	-	-	-	-	-	-	-	243.85	2,113.35	-	-	-	-	-	-	-	2,357		
	26-Mar	25-Apr	30	30	2,504	-	-	5	25	-	-	-	-	-	-	-	-	-	417.33	2,086.67	-	-	-	-	-	-	2,504		
	25-Apr	24-May	29	29	2,657	-	-	-	5	24	-	-	-	-	-	-	-	-	-	458.14	2,199.06	-	-	-	-	-	2,657		
	24-May	25-Jun	32	32	1,498	0	-	-	7	25	-	-	-	-	-	-	-	-	-	-	327.60	1,170.00	-	-	-	-	1,498		
	24-May	26-Jul	63	63	6,551	0	0	-	7	30	26	-	-	-	-	-	-	-	-	-	727.89	3,119.52	2,703.59	-	-	-	6,551		
	26-Jul	26-Aug	31	31	1,225	0	0	0	-	0	5	26	-	-	-	-	-	-	-	-	-	-	197.58	1,027.42	-	-	1,225		
	26-Aug	25-Sep	30	30	3,429	0	-	0	0	0	-	5	25	0	0	0	-	-	-	-	-	-	-	571.50	2,857.50	-	-	3,429	
	25-Sep	25-Oct	30	30	3,033	0	-	-	-	0	-	-	5	25	6	25	-	-	-	-	-	-	-	-	505.50	2,527.50	-	3,033	
	25-Oct	25-Nov	31	31	2,490	0	-	-	-	0	-	-	-	-	25	26	-	-	-	-	-	-	-	-	-	481.94	2,008.06	2,490	
	25-Nov	26-Dec	31	31	2,609	0	-	-	-	0	-	-	-	-	5	26	-	-	-	-	-	-	-	-	-	-	420.81	2,188.19	2,609
	26-Dec	26-Jan	31	4	-	0	-	-	-	0	-	-	-	-	0	4	-	-	-	-	-	-	-	-	-	-	-		
					33,947	35	28	31	38	55	31	31	30	31	30	30	3,536.90	2,300.95	2,530.69	2,544.80	3,254.55	4,289.52	2,901.17	1,598.92	3,363.00	3,009.44	2,428.87	2,188.19	33,947

Cust #95615 Loc #69656 Mammoth Rd. with fire protection	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec	
	27-Dec	25-Jan	29	29	13,200	29	-	-	-	-	-	-	-	-	-	-	13,200.00	-	-	-	-	-	-	-	-	-	-	13,200	
	25-Jan	25-Feb	31	31	14,600	6	25	-	-	-	-	-	-	-	-	-	2,825.81	11,774.19	-	-	-	-	-	-	-	-	-	14,600	
	26-Feb	26-Mar	29	29	13,600	-	3	26	-	-	-	-	-	-	-	-	-	1,408.90	12,193.10	-	-	-	-	-	-	-	-	13,600	
	26-Mar	25-Apr	30	30	14,300	-	-	26	-	-	-	-	-	-	-	-	-	-	12,193.10	11,916.67	-	-	-	-	-	-	-	14,300	
	25-Apr	24-May	29	29	15,200	-	-	25	24	-	-	-	-	-	-	-	-	-	2,383.33	11,916.67	12,579.31	-	-	-	-	-	-	15,200	
	24-May	25-Jun	32	32	15,200	0	-	5	7	25	-	-	-	-	-	-	-	-	-	2,620.69	11,875.00	-	-	-	-	-	-	15,200	
	25-Jun	26-Jul	31	31	23,500	0	0	-	-	5	26	-	-	-	-	-	-	-	-	-	3,325.00	11,875.00	19,709.68	-	-	-	-	15,200	
	26-Jul	26-Aug	31	31	23,800	0	0	-	-	0	5	26	-	-	-	-	-	-	-	-	-	3,790.32	19,709.68	-	-	-	-	15,200	
	26-Aug	25-Sep	30	30	20,700	-	-	0	0	0	-	5	-	-	-	-	-	-	-	-	-	-	3,838.71	19,981.29	-	-	-	23,800	
	26-Sep	26-Oct	30	30	18,200	-	-	-	-	-	-	5	25	-	-	-	-	-	-	-	-	-	-	3,450.00	17,250.00	-	-	-	20,700
	25-Oct	25-Nov	31	31	15,400	0	-	-	-	-	-	-	5	25	-	-	-	-	-	-	-	-	-	3,033.33	15,166.67	-	-	-	18,200
	25-Nov	26-Dec	31	31	15,000	0	-	-	-	-	-	-	5	26	-	-	-	-	-	-	-	-	-	-	2,980.65	12,419.35	-	-	15,400
	26-Dec	26-Jan	31	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15,000	
					202,700	35	28	31	30	31	30	31	30	31	30	30	16,025.81	13,181.09	14,576.44	14,537.36	15,904.31	15,665.32	23,548.39	23,411.29	20,283.33	18,147.31	14,838.71	12,580.65	202,700

Manchester Water Works
Schedule of Pennichuck 60 day average daily consumption
2018

	Total	PEU Portion	PWW Portion
Average Daily Flow (Gal.) - Max. allowed	2,100,000		
Average Daily Flow (Gal.) - (2016)	1,356,078	718,602	502,704
Average Daily Flow (Gal.)	-		
Increase in 2016 (Gal.)	-	-	-
Current MSDC rate per gallon -2016	\$ 3.37	\$ 3.37	\$ 3.37
MSDC additional charge	-	-	-

Purchased 1,356,078 in 2016

	Consumption (Gal.):	# days in billing cycle	Consumption current period	Consumption prior period	Two (2) month Average Daily flow
Month:					
2018 January	30	18,055,454	-	-	601,848
February	28	15,015,058	18,055,454	-	570,181
March	28	16,166,134	15,015,058	556,807	556,807
April	31	18,203,118	16,166,134	582,530	582,530
May	32	26,470,628	18,203,118	709,107	709,107
June	32	29,610,463	26,470,628	876,267	876,267
July	30	37,858,823	29,610,463	1,088,214	1,088,214
August	29	27,943,644	37,858,823	1,115,296	1,115,296
September	32	27,558,366	27,943,644	909,869	909,869
October	30	18,410,348	27,558,366	741,431	741,431
November	33	16,100,606	18,410,348	547,793	547,793
December	30	14,675,087	16,100,606	488,503	488,503

Pennichuck East Utility, Inc. (PEU)				Pennichuck Water Works, Inc. (PWW)						
	Cust #95593 Loc #69634 Joanne Dr. Smythwoods	Cust #95615 Loc #69604 Harvey Rd.	Cust #95656 Loc #69656 Mammoth Rd.	Cust #95741 Loc #64798 Rockingham @ Coteville Rd	Cust #143619 Loc #207920 Pine Ave. Meter Pit	Cust #95683 Loc #69736 Patten and County Rd.	Cust #107225 Loc #200376 Donald Street	PEU CCF Total	PWW CCF Total	Gallons Total
Month:										
January	30	559	3,051	13,917	927	190	1,977	18,643	5,495	18,055,454
February	28	508	2,449	12,757	792	153	250	16,659	3,414	15,015,058
March	28	555	2,723	13,526	840	166	487	17,810	3,803	16,166,134
April	31	571	2,807	14,141	965	158	1,347	18,643	5,693	18,203,118
May	32	738	3,631	18,303	1,365	176	2,771	24,213	11,176	26,470,628
June	32	920	4,930	25,552	1,321	206	4,759	32,930	6,856	29,610,463
July	30	935	4,846	23,522	1,653	193	4,004	30,950	19,664	37,858,823
August	29	911	3,562	20,023	1,237	171	3,000	25,804	11,553	27,943,644
September	32	790	3,411	19,855	1,117	169	1,231	25,342	11,501	27,558,366
October	30	699	2,440	14,821	626	168	1,048	18,754	5,859	18,410,348
November	33	743	2,310	13,285	461	170	922	16,970	4,555	16,100,606
December	30	648	1,888	12,060	761	149	873	15,506	4,113	14,675,087
proof	365	8,478	37,849	201,763	12,064	2,069	19,969	262,223	93,482	266,067,728
		8,478	37,849	201,763	12,064	2,069	19,969	73,513		

Londonderry Tank				Wellington Tank Low Service Tanks						
	Cust #95563 Loc #69604	Cust #95615 Loc #69656	Cust #95741 Loc #64798 Rockingham @ Coteville Rd	Cust #95593 Loc #69634 Joanne Dr. Smythwoods	Cust #143619 Loc #207920 Pine Ave. Meter Pit	Cust #95683 Loc #69736 Patten and County Rd.	Cust #107225 Loc #200376 Donald Street	Londonderry Tank CCF Total	Wellington Tank CCF Total	Low Service Tank CCF Total
Month:										
January	30	559	3,051	13,917	927	190	1,977	17,894	559	5,885
February	28	508	2,449	12,757	792	153	250	15,998	508	3,568
March	28	555	2,723	13,526	840	166	487	17,089	555	3,968
April	31	571	2,807	14,141	965	158	1,347	17,914	571	5,851
May	32	738	3,631	18,303	1,365	176	2,771	23,299	738	11,351
June	32	920	4,930	25,552	1,321	206	4,759	31,803	920	6,863
July	30	935	4,846	23,522	1,653	193	4,004	29,821	935	19,857
August	29	911	3,562	20,023	1,237	171	3,000	24,822	911	11,725
September	32	790	3,411	19,855	1,117	169	1,231	24,383	790	11,670
October	30	699	2,440	14,821	626	168	1,048	17,887	699	6,026
November	33	743	2,310	13,285	461	170	922	16,056	743	4,726
December	30	648	1,888	12,060	761	149	873	14,709	648	4,262
proof	-	-	-	-	-	-	-	251,676	8,478	95,551
	-	-	-	-	-	-	-			

				365	30	28	28	31	32	32	30	29	32	30	33	30	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec	
Cust #95593	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec													
Loc #69634	27-Dec	26-Jan	30	30	540	26	-	-	-	-	-	-	-	-	-	-	468.00	-	-	-	-	-	-	-	-	-	-	468	
Joanne Dr.	26-Jan	23-Feb	28	28	510	5	23	-	-	-	-	-	-	-	-	-	91.07	418.93	-	-	-	-	-	-	-	-	-	510	
Smythwoods	23-Feb	23-Mar	28	28	500	-	5	23	-	-	-	-	-	-	-	-	-	89.29	410.71	-	-	-	-	-	-	-	-	500	
	23-Mar	23-Apr	31	31	560	-	-	8	23	-	-	-	-	-	-	-	-	-	144.52	415.48	-	-	-	-	-	-	-	560	
	23-Apr	25-May	32	32	710	-	-	-	7	25	-	-	-	-	-	-	-	-	-	155.31	554.69	-	-	-	-	-	-	710	
	25-May	26-Jun	32	32	980	0	-	-	-	6	26	-	-	-	-	-	-	-	-	-	183.75	796.25	-	-	-	-	-	980	
	26-Jun	26-Jul	30	30	930	-	0	-	-	4	26	-	-	-	-	-	-	-	-	-	-	124.00	806.00	-	-	-	-	930	
	26-Jul	24-Aug	29	29	750	0	0	0	-	-	5	24	-	-	-	-	-	-	-	-	-	-	129.31	620.69	-	-	-	750	
	24-Aug	25-Sep	32	32	870	0	-	0	0	-	-	7	25	0	0	0	-	-	-	-	-	-	-	190.31	679.69	-	-	870	
	25-Sep	25-Oct	30	30	660	0	-	-	-	-	-	-	5	25	-	-	-	-	-	-	-	-	-	-	110.00	550.00	-	660	
	25-Oct	27-Nov	33	33	820	0	-	-	-	-	-	-	-	6	27	-	-	-	-	-	-	-	-	-	-	149.09	670.91	820	
	27-Nov	27-Dec	30	30	720	-	-	-	-	-	-	-	-	-	3	27	-	-	-	-	-	-	-	-	-	-	72.00	648.00	720
	27-Dec	26-Jan	30	4	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	
					8,550	31	28	31	30	31	30	31	30	31	30	31	559.07	508.21	555.23	570.80	738.44	920.25	935.31	811.00	789.69	699.09	742.91	648.00	8,478

				Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec	
Cust #95563				27-Dec	26-Jan	30	30	3,015	26	-	-	-	-	-	-	-	-	-	-	2,613.00	-	-	-	-	-	-	-	-	-	-	2,613	
Loc #69604				26-Jan	23-Feb	28	28	2,451	5	23	-	-	-	-	-	-	-	-	-	437.68	2,013.32	-	-	-	-	-	-	-	-	-	2,451	
Harvey Rd.				23-Feb	23-Mar	28	28	2,439	-	5	23	-	-	-	-	-	-	-	-	-	435.54	2,003.46	-	-	-	-	-	-	-	-	2,439	
				23-Mar	23-Apr	31	31	2,788	-	-	8	23	-	-	-	-	-	-	-	-	-	719.48	2,068.52	-	-	-	-	-	-	-	2,788	
				23-Apr	25-May	32	32	3,377	-	-	-	7	25	-	-	-	-	-	-	-	-	-	738.72	2,638.28	-	-	-	-	-	-	3,377	
				25-May	26-Jun	32	32	5,295	0	-	-	-	6	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,295	
				26-Jun	26-Jul	30	30	4,708	0	0	-	-	4	26	-	-	-	-	-	-	-	-	-	-	4,302.19	-	-	-	-	-	4,708	
				26-Jul	24-Aug	29	29	3,284	0	0	0	-	0	5	24	-	-	-	-	-	-	-	-	-	627.73	4,080.27	-	-	-	-	3,284	
				24-Aug	25-Sep	32	32	3,861	0	-	0	0	-	-	7	25	0	0	0	-	-	-	-	-	-	-	844.59	3,016.41	-	-	3,861	
				25-Sep	25-Oct	30	30	2,368	0	-	-	-	-	-	-	5	25	-	-	-	-	-	-	-	-	-	-	394.67	1,973.33	-	2,368	
				25-Oct	27-Nov	33	33	2,567	0	-	-	-	-	-	-	-	6	27	6	-	-	-	-	-	-	-	-	-	466.73	2,100.27	2,567	
				27-Nov	27-Dec	30	30	2,098	0	-	-	-	-	-	-	-	-	3	27	-	-	-	-	-	-	-	-	-	-	209.80	1,888.20	2,098
				27-Dec	26-Jan	30	4	-	0	-	-	-	-	-	-	-	-	0	4	-	-	-	-	-	-	-	-	-	-	-	-	
								38,251	31	28	31	30	31	30	31	30	31	30	31	3,050.68	2,448.86	2,722.95	2,807.23	3,631.09	4,929.92	4,646.47	3,562.39	3,411.07	2,440.06	2,310.07	1,888.20	37,849

Cust #95615 Loc #69656 Mammoth Rd.				Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec			
				27-Dec	26-Jan	30	13,400	26	-	-	-	-	-	-	-	-	-	-	-	11,613.33	-	-	-	-	-	-	-	-	-	-	-	11,613		
				26-Jan	23-Feb	28	12,900	5	23	-	-	-	-	-	-	-	-	-	-	2,303.57	10,596.43	-	-	-	-	-	-	-	-	-	-	12,900		
				23-Feb	23-Mar	28	12,100		5											-	2,160.71	9,939.29									-	12,100		
				23-Mar	23-Apr	31	13,900			8										-		3,587.10	10,312.90									-	13,900	
				23-Apr	25-May	32	17,500				23		25							-				13,671.88								-	17,500	
				25-May	26-Jun	32	24,700	0			7	6	26							-				4,631.25	20,068.75							-	24,700	
				26-Jun	26-Jul	30	23,500		0				7	26						-						20,366.67						-	25,850	
				26-Jul	24-Aug	29	18,300			0				5		24				-						5,483.33	15,144.83						-	18,300
				24-Aug	25-Sep	32	22,300			0	0				7					-							3,155.17	4,878.13	17,421.88				-	22,300
				25-Sep	25-Oct	30	14,600								5					-									2,433.33	12,166.67			-	14,600
				25-Oct	27-Nov	33	14,600	0												-													-	14,600
				27-Nov	27-Dec	30	13,400													-											11,945.45		-	13,400
				27-Dec	26-Jan	30	-	0					0							-													-	13,400
						4	-	0					0						0	4													-	
							201,200	31	28	31	30	31	33	31	31	30	31	30	31	31,916.90	12,757.14	13,526.38	14,141.03	18,303.13	25,552.08	23,521.84	20,022.95	19,855.21	14,821.21	13,285.45	12,060.00	201,763		

Rockingham @ Coteville Rd	26-Jan	23-Feb	28	28	802	5	23										143.21	658.79	-	-	-	-	-	-	-	-	-	802		
	23-Feb	23-Mar	28	28	744	-	5	23									-	132.86	-	-	-	-	-	-	-	-	-	744		
	23-Mar	23-Apr	31	31	886	-		8	23								-	-	611.14	-	-	-	-	-	-	-	-	886		
	23-Apr	14-Jun	52	52	2,289	-			7	31							-	-	-	657.35	-	-	-	-	-	-	-	2,289		
	14-Jun	26-Jun	12	12	705	0				0							-	-	-	308.13	1,364.60	-	-	-	-	-	-	705		
	26-Jun	26-Jul	30	30	1,678	0	0										-	-	-	-	-	-	-	-	-	-	-	1,678		
	26-Jul	24-Aug	29	29	1,153		0	0									-	-	-	-	-	-	-	-	-	-	-	1,153		
	24-Aug	25-Sep	32	32	1,291			0	0								-	-	-	-	-	-	-	-	-	-	-	1,291		
	25-Sep	25-Oct	30	30	651												-	-	-	-	-	-	-	-	-	-	-	651		
	25-Oct	27-Nov	33	33	460	0											-	-	-	-	-	-	-	-	-	-	-	-	460	
	27-Nov	27-Dec	30	30	845	0											-	-	-	-	-	-	-	-	-	-	-	-	845	
	27-Dec	26-Jan	30	4	-	0											-	-	-	-	-	-	-	-	-	-	-	-	-	
					12,408	31	28	31	30	31	26	31	31	30	31	30	31	927	792	840	965	1,365	1,321	1,653	1,237	1,117	626	461	761	12,064

Cust #143619 Loc #207920 Pine Ave. Meter Pit	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec		
	27-Dec	26-Jan	30	30	187	26	-	-	-	-	-	-	-	-	-	-	162.07	-	-	-	-	-	-	-	-	-	-	162		
	26-Jan	23-Feb	28	28	154	5	23	-	-	-	-	-	-	-	-	-	27.50	126.50	-	-	-	-	-	-	-	-	-	154		
	23-Feb	23-Mar	28	28	151	-	5	23	-	-	-	-	-	-	-	-	-	26.96	124.04	-	-	-	-	-	-	-	-	151		
	23-Mar	23-Apr	31	31	161	-	-	8	23	-	-	-	-	-	-	-	-	-	41.55	119.45	-	-	-	-	-	-	-	161		
	23-Apr	25-May	32	32	177	-	-	-	7	25	-	-	-	-	-	-	-	-	-	38.72	138.28	-	-	-	-	-	-	177		
	25-May	26-Jun	32	32	199	0	-	-	-	6	26	-	-	-	-	-	-	-	-	-	37.31	161.69	-	-	-	-	-	199		
	26-Jun	26-Jul	30	30	191	0	0	-	-	-	7	26	-	-	-	-	-	-	-	-	-	44.57	165.53	-	-	-	-	210		
	26-Jul	24-Aug	29	29	159	-	0	-	-	-	-	5	24	-	-	-	-	-	-	-	-	-	27.41	131.59	-	-	-	159		
	24-Aug	25-Sep	32	32	182	-	-	0	0	0	-	-	7	25	0	0	0	-	-	-	-	-	-	39.81	142.19	-	-	182		
	25-Sep	25-Oct	30	30	160	-	-	-	-	-	-	-	-	5	25	6	27	-	-	-	-	-	-	-	26.67	133.33	-	160		
	25-Oct	27-Nov	33	33	188	0	-	-	-	-	0	-	-	-	-	27	3	-	-	-	-	-	-	-	-	34.18	153.82	-	188	
	27-Nov	27-Dec	30	30	166	0	-	-	-	-	0	-	-	-	-	3	27	-	-	-	-	-	-	-	-	-	16.60	149.40	166	
	27-Dec	26-Jan	30	4	-	0	-	-	-	-	0	-	-	-	-	0	4	-	-	-	-	-	-	-	-	-	-	-		
					2,075	31	28	31	30	31	33	31	31	30	31	30	31	190	153	166	158	176	206	193	171	169	168	170	149	2,069

Cust #95683 Loc #69736 Patten and County Rd.	Beg Date	End Date	Days		CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage June	Usage July	Usage August	Usage Sept	Usage Sept	Usage June	Usage July	Usage August	Usage Sept	Usage Sept	Usage Sept	Usage Sept	
	27-Dec	26-Jan	30	26	2,230	26	-	-	-	-	-	-	-	-	-	-	-	1,932.67	-	-	-	-	-	-	-	-	-	-	1,933	
	26-Jan	23-Mar	56	56	500	5	28	23										44.64	250.00	205.36	-	-	-	-	-	-	-	-	500	
	23-Mar	23-Mar	-	-	-	-	-	-										-	-	-	-	-	-	-	-	-	-	-	-	
	23-Mar	23-Apr	31	31	1,090	-		8	23									-	-	281.29	808.71	-	-	-	-	-	-	-	1,090	
	23-Apr	25-May	32	32	2,460	-			7	25								-	-	-	538.13	1,921.88	-	-	-	-	-	-	2,460	
	25-May	26-Jun	32	32	4,530	0			6	26								-	-	-	-	849.38	3,680.63	-	-	-	-	-	4,530	
	26-Jun	26-Jul	30	30	4,620	0	0			7	26		26					-	-	-	-	-	1,078.00	4,004.00	-	-	-	-	5,082	
	26-Jul	24-Aug	29	29	-		0	0			5	24						-	-	-	-	-	-	-	-	-	-	-	-	
	24-Aug	25-Sep	32	32	1,370			0	0			5	24					-	-	-	-	-	-	-	-	-	-	-	-	
	25-Sep	23-Oct	28	30	900									25	0	0	0	-	-	-	-	-	-	-	-	-	-	-	1,370	
	23-Oct	27-Nov	35	35	1,070	0					0					25	8	-	-	-	-	-	-	-	-	-	-	-	964	
	27-Nov	27-Dec	30	30	970	0					0					27	3	-	-	-	-	-	-	-	-	-	-	244.57	825.43	1,070
	27-Dec	26-Jan	30	4	-	0					0					0	4	-	-	-	-	-	-	-	-	-	-	-	97.00	873.00
					19,740	31	28	31	30	31	33	31	31	30	33	30	31	1,977	250	487	1,347	2,771	4,759	4,004	300	1,231	1,048	922	873	19,969

Cust #107225 Loc #200376 Donald Street	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage June	Usage July	Usage August	Usage Sept	Usage Sept	Usage June	Usage July	Usage August	Usage Sept	Usage Sept	Usage Sept	Usage Sept		
	27-Dec	26-Jan	30	26	3,400	26	-	-	-	-	-	-	-	-	-	-	2,946.67	-	-	-	-	-	-	-	-	-	2,947			
	26-Jan	23-Feb	28	28	3,200	5	23	-	-	-	-	-	-	-	-	-	571.43	2,628.57	-	-	-	-	-	-	-	-	3,200			
	23-Feb	23-Mar	28	28	3,000	-	5	23	-	-	-	-	-	-	-	-	-	535.71	2,464.29	-	-	-	-	-	-	-	3,000			
	23-Mar	23-Apr	31	31	3,300	-	-	8	23	-	-	-	-	-	-	-	-	-	851.61	2,448.39	-	-	-	-	-	-	3,300			
	23-Apr	7-Jun	45	45	12,200	-	-	-	7	31	7	-	-	-	-	-	-	-	-	1,897.78	8,404.44	1,897.78	-	-	-	-	12,200			
	7-Jun	26-Jun	19	19	11,500	0	-	-	-	0	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11,500			
	26-Jun	26-Jul	30	30	16,000	0	0	-	-	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16,000			
	26-Jul	24-Aug	29	29	10,400	-	0	-	-	-	-	5	24	-	-	-	-	-	-	-	-	-	-	-	-	-	10,400			
	24-Aug	25-Sep	32	32	12,100	-	-	0	0	0	-	-	7	25	0	0	-	-	-	-	-	-	-	-	-	-	12,100			
	25-Sep	25-Oct	30	30	4,900	-	-	-	-	-	-	-	-	5	25	6	-	-	-	-	-	-	-	-	-	-	4,900			
	25-Oct	27-Nov	33	33	4,000	0	-	-	-	-	-	-	-	-	27	3	-	-	-	-	-	-	-	-	-	-	4,000			
	27-Nov	27-Dec	30	30	3,600	0	-	-	-	-	-	-	-	-	-	27	-	-	-	-	-	-	-	-	-	-	3,600			
	27-Dec	26-Jan	30	4	-	0	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-		
						87,600	31	28	31	30	31	26	31	31	30	31	30	31	3,518	3,164	3,316	4,346	8,404	1,898	15,660	11,254	10,270	4,811	3,633	3,240

217	196	217	210	217	211	217	217	210	219	210	217
31.00	28.00	31.00	30.00	31.00	30.14	31.00	31.00	30.00	31.29	30.00	31.00

Manchester Water Works
Schedule of Pennichuck 60 day average daily consumption
2017

	Total	PEU Portion	PWW Portion
Average Daily Flow (Gal.) - Max. allowed	2,100,000		
Average Daily Flow (Gal.) - (2016)	1,356,078	718,602	502,704
Average Daily Flow (Gal.)	-		
Increase in 2016 (Gal.)	-		
Current MSDC rate per gallon -2016	\$ 3.37	\$ 3.37	\$ 3.37
MSDC additional charge	-	-	-

Purchased 1,356,078 in 2016

Consumption (Gal.):	# days in billing cycle	Consumption current period	Consumption prior period	Two (2) month Average Daily flow
Month:				
2017 January	31	17,425,209	-	562,104
February	28	12,913,237	17,425,209	514,211
March	31	15,362,601	12,913,237	479,251
April	30	15,640,712	15,362,601	508,251
May	31	20,894,561	15,640,712	598,939
June	30	27,549,052	20,894,561	794,158
July	31	30,853,311	27,549,052	957,416
August	31	28,935,429	30,853,311	964,335
September	30	26,403,735	28,935,429	907,199
October	31	21,791,585	26,403,735	790,087
November	30	15,864,609	21,791,585	617,315
December	31	21,489,874	15,864,609	612,369

Pennichuck East Utility, Inc. (PEU)				Pennichuck Water Works, Inc. (PWW)						
	Cust #95593 Loc #69634 Joanne Dr. Smythwoods	Cust #95615 Loc #69604 Harvey Rd.	Cust #95656 Loc #69656 Mammoth Rd.	Cust #95741 Loc #64798 Rockingham @ Coteville Rd	Cust #143619 Loc #207920 Pine Ave. Meter Pit	Cust #95683 Loc #69736 Patten and County Rd.	Cust #107225 Loc #200376 Donald Street	PEU CCF Total	PWW CCF Total	Gallons Total
Month:										
January	31	439	1,664	15,443	720	158	833	4,040	18,423	17,425,209
February	28	324	1,271	11,606	521	112	691	2,738	13,835	12,913,237
March	31	420	1,530	13,757	614	142	831	3,244	16,463	15,362,601
April	30	414	1,533	13,281	643	157	957	3,924	16,029	15,640,712
May	31	471	2,415	15,545	928	171	1,482	6,922	19,529	20,894,561
June	30	555	3,259	18,174	1,306	152	1,367	23,446	13,384	27,549,052
July	31	645	2,974	19,919	1,431	174	2,527	25,143	16,105	30,853,311
August	31	653	1,754	19,098	1,374	185	2,508	23,065	15,819	28,935,429
September	30	604	3,542	17,482	904	168	2,199	22,701	12,598	26,403,735
October	31	581	3,262	15,602	941	178	1,738	6,832	8,570	21,791,585
November	30	509	2,587	12,615	686	180	1,214	3,419	4,632	15,864,609
December	31	493	3,408	13,331	799	202	6,852	3,644	18,234	21,489,874
proof	365	6,109	29,200	185,854	10,866	1,979	23,949	83,118	234,008	255,123,913
		6,109	29,200	185,854	10,866	1,979	23,949	81,314		

Londonderry Tank			Wellington Tank Low Service Tanks						
Cust #95563 Loc #69604	Cust #95615 Loc #69656	Cust #95741 Loc #64798 Rockingham @ Coteville Rd	Cust #95593 Loc #69634 Joanne Dr Smythwoods	Cust #143619 Loc #207920 Pine Ave Meter Pit	Cust #95683 Loc #69736 Patten and County Rd.	Cust #107225 Loc #200376 Donald Street	Londonderry Tank CCF Total	Wellington Tank CCF Total	Low Service Tank CCF Total
Harvey Rd.	Mammoth Rd.	Coteville Rd							
1,664	15,443	720	439	158	833	4,040	17,827	439	5,030
1,271	11,606	521	324	112	691	2,738	13,398	324	3,541
1,530	13,757	614	420	142	831	3,244	15,901	420	4,217
1,533	13,281	643	414	157	957	3,924	15,458	414	5,038
2,415	15,545	928	471	171	1,482	6,922	18,887	471	8,576
3,259	18,174	1,306	555	152	2,017	11,367	22,739	555	13,536
2,974	19,919	1,431	645	174	2,527	13,577	24,324	645	16,279
1,754	19,098	1,374	653	185	2,608	13,011	22,227	653	15,804
3,542	17,482	904	604	168	2,199	10,399	21,928	604	12,767
3,262	15,602	941	581	178	1,738	6,832	19,804	581	8,747
2,587	12,615	686	509	180	1,214	3,419	15,888	509	4,812
3,408	13,331	799	493	202	6,852	3,644	17,539	493	10,698
29,200	185,854	10,866	6,109	1,979	23,949	83,118	225,920	6,109	109,046
-	-	-	-	-	-	-	-	-	-

				366	31	29	31	30	31	30	31	31	30	31	30	31	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec			
Cust #95593	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec															
Loc #69634 Joanne Dr. Smythwoods	23-Dec	23-Jan	31	23	470	23	-	-	-	-	-	-	-	-	-	-	348.71	-	-	-	-	-	-	-	-	-	-	349			
	23-Jan	24-Feb	32	32	360	8	24	-	-	-	-	-	-	-	-	-	90.00	270.00	-	-	-	-	-	-	-	-	-	360			
	24-Feb	27-Mar	31	31	420	-	4	27	-	-	-	-	-	-	-	-	-	54.19	365.81	-	-	-	-	-	-	-	-	420			
	27-Mar	24-Apr	28	28	380	-	-	4	24	-	-	-	-	-	-	-	-	-	54.29	325.71	-	-	-	-	-	-	-	380			
	24-Apr	26-May	32	32	470	-	-	-	6	26	-	-	-	-	-	-	-	-	-	88.13	381.88	-	-	-	-	-	-	470			
	26-May	23-Jun	28	28	500	0	-	-	-	5	23	-	-	-	-	-	-	-	-	-	89.29	410.71	-	-	-	-	-	500			
	23-Jun	24-Jul	31	31	640	-	0	-	-	-	7	24	-	-	-	-	-	-	-	-	-	144.52	495.48	-	-	-	-	640			
	24-Jul	24-Aug	31	31	660	0	0	0	-	-	0	7	24	-	-	-	-	-	-	-	-	-	149.03	510.97	-	-	-	660			
	24-Aug	25-Sep	32	32	650	0	-	0	-	0	0	-	7	25	0	0	0	-	-	-	-	-	-	142.19	507.81	-	-	-	650		
	25-Sep	24-Oct	29	29	560	0	-	-	-	-	0	-	-	5	24	0	0	-	-	-	-	-	-	-	96.55	463.45	-	-	-	560	
	24-Oct	28-Nov	35	35	590	0	-	-	-	-	0	-	-	-	7	28	-	-	-	-	-	-	-	-	-	118.00	472.00	-	-	590	
	28-Nov	27-Dec	29	29	530	-	-	-	-	-	-	-	-	-	-	2	27	-	-	-	-	-	-	-	-	-	36.55	493.45	-	-	530
	27-Dec	26-Jan	30	4	540	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	72.00	-	-	72
					4,670	31	28	31	30	31	30	31	31	30	31	30	31	438.71	324.19	420.09	413.84	471.16	555.23	644.52	653.16	604.36	581.45	508.55	493.45	6,109	
Cust #95563	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec			
Loc #69604 Harvey Rd.	23-Dec	23-Jan	31	23	1,761	23	-	-	-	-	-	-	-	-	-	-	1,306.55	-	-	-	-	-	-	-	-	-	-	1,307			
	23-Jan	24-Feb	32	32	1,429	8	24	-	-	-	-	-	-	-	-	-	357.25	1,071.75	-	-	-	-	-	-	-	-	-	1,429			
	24-Feb	27-Mar	31	31	1,546	-	4	27	-	-	-	-	-	-	-	-	-	199.48	1,346.52	-	-	-	-	-	-	-	-	1,546			
	27-Mar	25-Apr	29	29	1,327	-	-	4	25	-	-	-	-	-	-	-	-	-	183.03	1,143.97	-	-	-	-	-	-	-	1,327			
	25-Apr	31-May	36	36	2,804	-	-	-	5	31	-	-	-	-	-	-	-	-	-	389.44	2,414.56	-	-	-	-	-	-	2,804			
	31-May	23-Jun	23	23	2,470	0	-	-	-	0	23	24	-	-	-	-	-	-	-	-	-	2,470.00	-	-	-	-	-	-	2,470		
	23-Jun	24-Jul	31	31	3,495	0	0	-	-	7	24	-	-	-	-	-	-	-	-	-	-	-	789.19	2,705.81	-	-	-	3,495			
	24-Jul	24-Aug	31	31	1,186	0	0	0	-	0	7	24	-	-	-	-	-	-	-	-	-	-	-	918.19	-	-	-	1,186			
	24-Aug	25-Sep	32	32	3,822	0	-	0	0	0	0	7	25	0	0	0	-	-	-	-	-	-	-	836.06	2,985.94	-	-	3,822			
	25-Sep	24-Oct	29	29	3,227	0	-	-	-	-	-	-	-	5	24	-	-	-	-	-	-	-	-	-	-	-	-	-	3,227		
	24-Oct	28-Nov	35	35	2,956	0	-	-	-	-	-	-	-	-	7	28	-	-	-	-	-	-	-	-	-	591.20	2,364.80	-	2,956		
	28-Nov	27-Dec	29	29	3,229	0	-	-	-	-	-	-	-	-	-	2	27	-	-	-	-	-	-	-	-	-	-	222.69	3,006.31	3,229	
	27-Dec	26-Jan	30	4	3,015	0	-	-	-	-	0	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	402.00	-	402	
					32,267	31	28	31	30	31	30	31	31	30	31	30	31	1,663.80	1,271.23	1,529.55	1,533.41	2,414.56	3,259.19	2,973.61	1,754.26	3,542.32	3,261.82	2,587.49	3,408.31	29,200	
Cust #95615	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec			
Loc #69656 Mammoth Rd.	23-Dec	23-Jan	31	23	16,400	23	-	-	-	-	-	-	-	-	-	-	12,167.74	-	-	-	-	-	-	-	-	-	-	12,168			
	23-Jan	24-Feb	32	32	13,100	8	24	-	-	-	-	-	-	-	-	-	3,275.00	9,825.00	-	-	-	-	-	-	-	-	-	13,100			
	24-Feb	27-Mar	31	31	13,800	-	4	27	-	-	-	-	-	-	-	-	-	1,780.65	12,019.35	-	-	-	-	-	-	-	-	13,800			
	27-Mar	25-Apr	29	29	12,600	-	-	4	25	-	-	-	-	-	-	-	-	-	1,737.93	10,862.07	-	-	-	-	-	-	-	12,600			
	25-Apr	26-May	31	31	15,000	-	-	-	5	26	-	-	-	-	-	-	-	-	-	-	12,580.65	-	-	-	-	-	-	15,000			
	26-May	23-Jun	28	28	16,600	0	-	-	-	5	23	-	-	-	-	-	-	-	-	-	2,419.35	-	-	-	-	-	-	16,600			
	23-Jun	24-Jul	31	31	20,100	0	0	-	-	7	24	-	-	-	-	-	-	-	-	-	-	4,538.71	15,561.29	-	-	-	-	20,100			
	24-Jul	24-Aug	31	31	19,300	-	0	0	-	-	7	24	7	25	0	0	-	-	-	-	-	-	4,358.06	14,941.94	-	-	-	19,300			
	24-Aug	25-Sep	32	32	19,000	-	-	0	0	-	-	-	-	5	24	-	-	-	-	-	-	-	-	4,156.25	14,843.75	-	-	19,000			
	25-Sep	24-Oct	29	29	15,300	-	-	-	-	-	-	-	-	-	7	28	-	-	-	-	-	-	-	-	2,637.93	12,662.07	-	-	15,300		
	24-Oct	28-Nov	35	35	14,700	0	-	-	-	-	0	-	-	-	-	2	27	-	-	-	-	-	-	-	-	-	11,760.00	-	14,700		
	28-Nov	27-Dec	29	29	12,400	0	-	-	-	-	0	-	-	-	-	0	4	-	-	-	-	-	-	-	-	-	855.17	11,544.83	12,400		
	27-Dec	26-Jan	30	4	13,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,786.67	11,787		
					201,700	31	28	31	30	31	30	31	31	30	31	30	31	15,442.74	11,605.65	13,757.29	13,281.42	15,544.93	18,174.42	19,919.35	19,098.19	17,481.68	15,602.07	12,615.17	13,331.49	185,854	
Cust #95741	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec			
Loc #69798	23-Dec	23-Jan	31	23	772	23	-	-	-	-	-	-	-	-	-	-	572.77	-	-	-	-	-	-	-	-	-	-	573			

Rockingham @ Coteville Rd	23-Jan	24-Feb	32	32	590	8	24										147.50	442.50		-	-	-	-	-	-	-	-	590	
	24-Feb	27-Mar	31	31	612	-	4	27									-	78.97	533.03	-	-	-	-	-	-	-	-	612	
	27-Mar	25-Apr	29	29	587	-		4	25								-	-	80.97	506.03	-	-	-	-	-	-	-	587	
	25-Apr	26-May	31	31	850	-			5	26							-	-	-	137.10	712.90	-	-	-	-	-	-	850	
	26-May	23-Jun	28	28	1,202	0				5	23						-	-	-	-	214.64	987.36	-	-	-	-	-	1,202	
	23-Jun	24-Jul	31	31	1,409	0	0				7	24					-	-	-	-	-	318.16	1,090.84	-	-	-	-	1,409	
	24-Jul	24-Aug	31	31	1,507		0	0				7	24				-	-	-	-	-	-	340.29	1,166.71	740.63	-	-	1,507	
	24-Aug	25-Sep	32	32	948			0	0				25	0	0	0	-	-	-	-	-	-	-	-	163.45	784.55	-	948	
	25-Sep	24-Oct	29	29	948								5	24			-	-	-	-	-	-	-	-	-	156.03	534.97	-	948
	24-Oct	24-Nov	31	31	691	0					0			7	24		-	-	-	-	-	-	-	-	-	-	-	678.27	691
	24-Nov	27-Dec	33	33	829	0					0				6	27	-	-	-	-	-	-	-	-	-	-	-	150.73	829
	27-Dec	26-Jan	30	4	904	0					0					4	-	-	-	-	-	-	-	-	-	-	-	-	120.53
				11,849	31	28	31	30	31	30	31	31	30	31	30	720	521	614	643	928	1,306	1,431	1,374	904	941	686	799	10,866	

Cust #143619 Loc #207920 Pine Ave. Meter Pit	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec	
	23-Dec	23-Jan	31	23	170	23	-	-	-	-	-	-	-	-	-	-	126.13	-	-	-	-	-	-	-	-	-	-	-	126
	23-Jan	24-Feb	32	32	126	8	24										31.50	94.50	-	-	-	-	-	-	-	-	-	-	126
	24-Feb	27-Mar	31	31	139	-	4	27									-	17.94	121.06	-	-	-	-	-	-	-	-	-	139
	27-Mar	24-Apr	28	28	144	-		4	24								-	-	20.57	123.43	-	-	-	-	-	-	-	-	144
	24-Apr	26-May	32	32	180	-			6	26							-	-	-	33.75	146.25	-	-	-	-	-	-	-	180
	26-May	23-Jun	30	28	148	0				5	23						-	-	-	-	24.67	113.47	-	-	-	-	-	-	138
	23-Jun	24-Jul	31	31	170	0	0				7	24					-	-	-	-	-	38.39	131.61	-	-	-	-	-	170
	24-Jul	24-Aug	31	31	189		0	0				7	24				-	-	-	-	-	-	42.68	-	-	-	-	-	189
	24-Aug	25-Sep	32	32	179			0	0				25	0	0	0	-	-	-	-	-	-	-	146.32	139.84	-	-	-	179
	25-Sep	24-Oct	29	29	165								5	24			-	-	-	-	-	-	-	39.16	136.55	-	-	-	165
	24-Oct	24-Nov	31	31	182	0					0			7	24		-	-	-	-	-	-	-	-	41.10	140.90	-	-	182
	24-Nov	27-Dec	33	33	216	0					0				6	27	-	-	-	-	-	-	-	-	-	39.27	176.73	-	216
	27-Dec	26-Jan	30	4	187	0					0				0	4	-	-	-	-	-	-	-	-	-	-	-	24.93	25
					2,195	31	28	31	30	31	30	31	31	30	31	31	158	112	142	157	171	152	174	185	168	178	180	202	1,979

Cust #95683 Loc #69736 Patten and County Rd.	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage June	Usage July	Usage August	Usage Sept	Usage Sept	Usage June	Usage July	Usage August	Usage Sept	Usage Sept	Usage Sept	Usage Sept
	23-Dec	23-Jan	31		23	23	24-Feb	32	24									638.06										
	23-Jan <td>24-Feb<td>32<td>32<td>780<td>8<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>195.00<td>585.00<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td></td>	24-Feb <td>32<td>32<td>780<td>8<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>195.00<td>585.00<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	32 <td>32<td>780<td>8<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>195.00<td>585.00<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	32 <td>780<td>8<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>195.00<td>585.00<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	780 <td>8<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>195.00<td>585.00<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	8 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>195.00<td>585.00<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>											195.00 <td>585.00<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	585.00 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>										
	24-Feb <td>27-Mar<td>31<td>31<td>820<td></td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>105.81</td><td>714.19</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	27-Mar <td>31<td>31<td>820<td></td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>105.81</td><td>714.19</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	31 <td>31<td>820<td></td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>105.81</td><td>714.19</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	31 <td>820<td></td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>105.81</td><td>714.19</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	820 <td></td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>105.81</td> <td>714.19</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		4											105.81	714.19									
	27-Mar <td>25-Apr<td>29<td>29<td>850<td></td><td></td><td>27</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>117.24</td><td>732.76</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	25-Apr <td>29<td>29<td>850<td></td><td></td><td>27</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>117.24</td><td>732.76</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	29 <td>29<td>850<td></td><td></td><td>27</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>117.24</td><td>732.76</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	29 <td>850<td></td><td></td><td>27</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>117.24</td><td>732.76</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	850 <td></td> <td></td> <td>27</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>117.24</td> <td>732.76</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			27											117.24	732.76								
	25-Apr <td>26-May<td>31<td>31<td>1,390<td></td><td></td><td></td><td>26</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>224.19</td><td>1,165.81</td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	26-May <td>31<td>31<td>1,390<td></td><td></td><td></td><td>26</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>224.19</td><td>1,165.81</td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	31 <td>31<td>1,390<td></td><td></td><td></td><td>26</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>224.19</td><td>1,165.81</td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	31 <td>1,390<td></td><td></td><td></td><td>26</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>224.19</td><td>1,165.81</td><td></td><td></td><td></td><td></td><td></td><td></td></td>	1,390 <td></td> <td></td> <td></td> <td>26</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>224.19</td> <td>1,165.81</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>				26											224.19	1,165.81							
	26-May <td>23-Jun<td>30</td><td>28<td>1,900<td>0</td><td></td><td></td><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	23-Jun <td>30</td> <td>28<td>1,900<td>0</td><td></td><td></td><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	30	28 <td>1,900<td>0</td><td></td><td></td><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	1,900 <td>0</td> <td></td> <td></td> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	0			5																			
	23-Jun <td>24-Jul<td>31<td>31<td>2,480<td>0</td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	24-Jul <td>31<td>31<td>2,480<td>0</td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	31 <td>31<td>2,480<td>0</td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	31 <td>2,480<td>0</td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	2,480 <td>0</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	0	0																					
	24-Jul <td>24-Aug<td>31<td>31<td>2,690<td></td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	24-Aug <td>31<td>31<td>2,690<td></td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	31 <td>31<td>2,690<td></td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	31 <td>2,690<td></td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	2,690 <td></td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		0																					
	24-Aug <td>25-Sep<td>32<td>32<td>2,400<td></td><td></td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	25-Sep <td>32<td>32<td>2,400<td></td><td></td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	32 <td>32<td>2,400<td></td><td></td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	32 <td>2,400<td></td><td></td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	2,400 <td></td> <td></td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			0																				
	25-Sep <td>24-Oct<td>29<td>29<td>1,880<td></td><td></td><td></td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	24-Oct <td>29<td>29<td>1,880<td></td><td></td><td></td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	29 <td>29<td>1,880<td></td><td></td><td></td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	29 <td>1,880<td></td><td></td><td></td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	1,880 <td></td> <td></td> <td></td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>				0																			
	24-Oct <td>28-Nov<td>35<td>35<td>910<td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	28-Nov <td>35<td>35<td>910<td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	35 <td>35<td>910<td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	35 <td>910<td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	910 <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	0																						
	28-Nov <td>27-Dec<td>29<td>29<td>7,040<td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	27-Dec <td>29<td>29<td>7,040<td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	29 <td>29<td>7,040<td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	29 <td>7,040<td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	7,040 <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	0																						
	27-Dec <td>26-Jan<td>30</td><td>4</td><td>2,230<td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	26-Jan <td>30</td> <td>4</td> <td>2,230<td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	30	4	2,230 <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	0																						
					26,230	31	28	31	30	31	30	31	30	31	30	31	833	691	831	957	1,482	2,017	2,527	2,608	2,199	1,738	1,214	

Cust #107225 Loc #200376 Donald Street	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage June	Usage July	Usage August	Usage Sept	Usage Sept	Usage June	Usage July	Usage August	Usage Sept	Usage Sept	Usage Sept	Usage Sept	
	23-Dec	23-Jan	31	23	4,400	23	-	-	-	-	-	-	-	-	-	-	-	3,264.52	-	-	-	-	-	-	-	-	-	3,265	
	23-Jan	24-Feb	32	32	3,100	8	24	-	-	-	-	-	-	-	-	-	775.00	2,325.00	-	-	-	-	-	-	-	-	-	3,100	
	24-Feb	27-Mar	31	31	3,200	-	4	27	-	-	-	-	-	-	-	-	-	412.90	2,787.10	-	-	-	-	-	-	-	-	3,200	
	27-Mar	24-Apr	28	28	3,200	-	-	4	24	-	-	-	-	-	-	-	-	-	457.14	2,742.86	-	-	-	-	-	-	-	3,200	
	24-Apr	26-May	32	32	6,300	-	-	-	6	26	-	-	-	-	-	-	-	-	-	1,181.25	5,118.75	-	-	-	-	-	-	6,300	
	26-May	23-Jun	28	28	10,100	0	-	-	-	5	23	-	-	-	-	-	-	-	-	-	1,803.57	8,296.43	-	-	-	-	-	8,296	
	23-Jun	24-Jul	31	31	13,600	0	0	0	-	-	7	24	-	-	-	-	-	-	-	-	-	3,070.97	10,529.03	-	-	-	-	13,600	
	24-Jul	24-Aug	31	31	13,500	-	0	0	-	-	-	7	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,500	
	24-Aug	25-Sep	32	32	11,700	-	-	0	0	-	-	-	25	0	0	0	-	-	-	-	-	-	-	-	-	-	-	11,700	
	25-Sep	24-Oct	29	29	7,300	-	-	-	-	-	-	-	5	24	-	-	-	-	-	-	-	-	-	-	-	-	-	7,300	
	24-Oct	24-Nov	31	31	3,500	0	-	-	-	-	0	-	-	7	24	-	-	-	-	-	-	-	-	-	-	-	-	3,500	
	24-Nov	27-Dec	33	33	3,900	0	-	-	-	-	0	-	-	-	6	27	-	-	-	-	-	-	-	-	-	-	-	3,900	
	27-Dec	26-Jan	30	4	3,400	0	-	-	-	-	0	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	453.33	453
					87,200	31	28	31	30	31	30	31	30	31	30	31	4,040	2,738	3,244	3,924	6,922	11,367	13,577	13,011	10,399	6,832	3,419	3,644	81,314

217	196	217	210	217	210	217	217	210	217	210	217	210	217
31.00	28.00	31.00	30.00	31.00	30.00	31.00	31.00	30.00	31.00	30.00	31.00	30.00	31.00

	Total	PEU Portion	PWW Portion
Average Daily Flow (Gal.) - Max. allowed	2,100,000		
Average Daily Flow (Gal.) - (2011)	1,221,306	718,602	502,704
Average Daily Flow (Gal.)	1,356,078	787,073	569,005
Increase in 2016 (Gal.)	134,772	68,471	66,301
Current MSDC rate per gallon -2016	\$ 3.37	\$ 3.37	\$ 3.37
MSDC additional charge	\$ 454,182	\$ 230,747	\$ 223,435

<u>Consumption (Gal.):</u>	<u># days in billing cycle</u>	<u>Consumption current period</u>	<u>Consumption prior period</u>	<u>Two (2) month Average Daily flow</u>
<u>Month:</u>				
January	31	14,537,131	-	468,940
February	28	13,309,144	14,537,131	471,971
March	31	14,205,246	13,309,144	466,346
April	30	15,242,434	14,205,246	482,749
May	31	26,623,996	15,242,434	686,335
June	30	39,843,351	26,623,996	1,089,629
July	31	42,877,420	39,843,351	1,356,078
August	31	37,666,073	42,877,420	1,299,089
September	30	29,953,003	37,666,073	1,108,509
October	31	17,969,054	29,953,003	785,607
November	30	14,737,320	17,969,054	536,170
December	31	16,249,140	14,737,320	507,975

		366	31	29	31	30	31	30	31	31	30
End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept
28-Jan	31	28	400	28	-	-	-	-	-	-	-
26-Feb	29	29	440	3	26	-	-	-	-	-	-
29-Mar	32	32	390	-	3	29	-	-	-	-	-
29-Apr	31	31	390	-	-	2	29	-	-	-	-
27-May	28	28	490	-	-	-	1	27	-	-	-
28-Jun	32	32	830	0	-	-	-	4	28	-	-
27-Jul	29	29	810	0	0	-	-	-	-	27	-
26-Aug	30	30	660	0	0	0	-	-	0	26	-
26-Sep	31	31	600	0	-	0	0	0	0	5	26
24-Oct	28	28	350	0	-	-	-	-	0	-	4
23-Nov	30	30	360	0	-	-	-	-	0	-	-
23-Dec	30	30	360	0	-	-	-	-	0	-	-
23-Jan	31	8	470	-	-	-	-	-	-	-	-
			4,440	31	29	31	30	31	30	31	30

[illegible]

Cust #	Date	End Date	Days	CCF	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Usage	Usage	Usage	Usage	Usage	Usage	Usage	Usage	Usage	Usage	Usage		
					Jan	Feb	Mar	Apr	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	August	Sept	Oct	Nov	Dec
Cust #95615 Loc #69656 Mammoth Rd.	28-Dec	28-Jan	31	28	12,700	28	-	-	-	-	-	-	-	-	-	11,470.97	-	-	-	-	-	-	-	-	11,471			
	28-Jan	26-Feb	29	29	11,700	3	26	-	-	-	-	-	-	-	-	1,210.34	10,489.66	-	-	-	-	-	-	-	11,700			
	26-Feb	28-Mar	31	31	12,200	-	3	28	-	-	-	-	-	-	-	-	1,180.65	11,019.35	-	-	-	-	-	-	12,200			
	28-Mar	28-Apr	31	31	12,500	-	-	3	28	-	-	-	-	-	-	-	1,209.68	11,290.32	-	-	-	-	-	-	12,500			
	28-Apr	27-May	29	29	15,100	-	-	-	2	27	-	-	-	-	-	-	-	1,041.38	14,058.62	-	-	-	-	-	15,100			
	27-May	28-Jun	32	32	25,000	0	-	-	-	4	28	-	-	-	-	-	-	3,125.00	21,875.00	-	-	-	-	-	25,000			
	28-Jun	27-Jul	29	29	25,200	0	-	-	-	-	2	27	-	-	-	-	-	3,125.00	21,875.00	-	-	-	-	-	25,000			
	27-Jul	26-Aug	30	30	24,400	-	0	0	-	-	-	4	26	-	-	-	-	1,737.93	23,462.07	-	-	-	-	-	25,200			
	26-Aug	23-Sep	28	28	20,800	-	-	0	-	0	-	-	5	23	0	-	-	-	3,253.33	21,146.67	-	-	-	-	24,400			
	23-Sep	24-Oct	31	31	14,300	-	-	-	-	-	-	-	-	7	24	0	-	-	-	3,714.29	17,085.71	11,070.97	-	-	20,800			
	24-Oct	23-Nov	30	30	12,800	0	-	-	-	-	-	-	-	-	7	23	-	-	-	-	-	3,229.03	2,986.67	9,813.33	-	14,300		
	23-Nov	23-Dec	30	30	13,300	0	-	-	-	-	-	-	-	-	7	23	-	-	-	-	-	-	-	-	10,196.67	12,800		
23-Dec	23-Jan	31	8	16,400	-	-	-	-	-	-	-	-	-	8	23	-	-	-	-	-	-	-	-	4,232.26	13,300			
					216,400	31	29	31	30	31	30	31	31	30	31	12,681	11,670	12,229	12,332	17,184	23,613	26,715	24,861	20,315	14,058	12,917	14,429	203,000

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Rockingham @ Coteville Rd	28-Jan	26-Feb	29	29	527	3	26										54.52	472.48	-	-	-	-	-	-	-	0	0	527		
	26-Feb	28-Mar	31	31	582	-	3	28									-	56.32	-	-	-	-	-	-	-	0	0	582		
	28-Mar	28-Apr	31	31	674	-		3	28								-	-	525.68	-	-	-	-	-	-	0	0	674		
	28-Apr	27-May	29	29	1,096	-			2			27					-	-	65.23	608.77	-	-	-	-	-	0	0	1,096		
	27-May	28-Jun	32	32	1,726	0					4	28					-	-	-	75.59	1,020.41	1,510.25	-	-	-	0	0	1,726		
	28-Jun	27-Jul	29	29	1,591	0	0					2	27				-	-	-	-	215.75	109.72	1,481.28	-	-	0	0	1,591		
	27-Jul	26-Aug	30	30	1,572		0	0					4	26			-	-	-	-	-	-	209.60	1,362.40	-	0	0	1,572		
	26-Aug	23-Sep	28	28	1,324			0	0					5	23	0	0	-	-	-	-	-	-	-	236.43	1,087.57	0	0	1,324	
	23-Sep	24-Oct	31	31	779										7	24		-	-	-	-	-	-	-	175.90	603.10	0	0	779	
	24-Oct	23-Nov	30	30	873	0									7	23		-	-	-	-	-	-	-	-	204	669	-	873	
	23-Nov	23-Dec	30	30	353	0										7	23	-	-	-	-	-	-	-	-	-	82	271	353	
	23-Dec	23-Jan	31	8	772	0										8		-	-	-	-	-	-	-	-	-	-	199	199	
						12,444	31	29	31	30	31	30	31	31	30	31	30	31	574	529	591	684	1,236	1,620	1,691	1,599	1,263	807	752	470

Cust #143619 Loc #207920 Pine Ave. Meter Pit	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec	
	28-Dec	27-Jan	30	27	147	27	-	-	-	-	-	-	-	-	-	-	132.30	-	-	-	-	-	-	-	-	0	0	132	
	27-Jan	26-Feb	30	30	134	4	26	-	-	-	-	-	-	-	-	-	17.87	116.13	-	-	-	-	-	-	-	0	0	134	
	26-Feb	28-Mar	31	31	136	-	3	-	-	-	-	-	-	-	-	-	-	13.16	122.84	-	-	-	-	-	-	0	0	136	
	28-Mar	28-Apr	31	31	136	-	-	3	28	-	-	-	-	-	-	-	-	-	13.16	122.84	-	-	-	-	-	0	0	136	
	28-Apr	27-May	29	29	143	-	-	-	2	27	-	-	-	-	-	-	-	-	-	9.86	133.14	-	-	-	-	0	0	143	
	27-May	28-Jun	30	32	188	0	-	-	-	4	28	-	-	-	-	-	-	-	-	-	25.07	175.47	-	-	-	0	0	201	
	28-Jun	27-Jul	29	29	193	0	0	-	-	-	2	27	-	-	-	-	-	-	-	-	-	13.31	179.69	-	-	0	0	193	
	27-Jul	26-Aug	30	30	303	-	0	-	-	-	-	4	26	-	-	0	0	-	-	-	-	-	40.40	262.60	-	0	0	303	
	26-Aug	23-Sep	28	28	14	-	-	0	0	0	-	-	5	23	0	-	-	-	-	-	-	-	-	2.50	11.50	0	0	14	
	23-Sep	24-Oct	31	31	154	-	-	-	-	-	-	-	-	7	24	-	-	-	-	-	-	-	-	-	34.77	119	-	154	
	24-Oct	23-Nov	30	30	138	0	-	-	-	-	0	-	-	-	7	23	-	-	-	-	-	-	-	-	-	32	106	-	138
	23-Nov	23-Dec	30	30	135	0	-	-	-	-	0	-	-	-	-	7	23	-	-	-	-	-	-	-	-	-	32	104	135
	23-Dec	23-Jan	31	8	170	0	-	-	-	-	0	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	44	44
					1,991	31	29	31	30	31	30	31	30	31	30	31	150	129	136	133	158	189	220	265	46	151	137	147	1,863

Cust #95683 Loc #69736 Patten and County Rd.	Beg Date	End Date	Days		CCF	Days June	Days July	Days August	Days Sept	Days Sept	Days June	Days July	Days August	Days Sept	Days Sept	Days Sept	Days Sept	Usage June	Usage July	Usage August	Usage Sept	Usage Sept	Usage June	Usage July	Usage August	Usage Sept	Usage Sept	Usage Sept	Usage Sept	
	28-Dec	28-Jan	31	28	720	28	-			-								650.32					-				0	0	650	
	28-Jan	26-Feb	29	29	790	3	26											81.72	708.28				-			0	0	790		
	26-Feb	29-Mar	32	32	900		3	29											84.38				-			0	0	900		
	29-Mar	28-Apr	30	30	1,130			2	28											815.63			-			0	0	1,130		
	28-Apr	27-May	29	29	1,850				2	27										75.33	1,054.67		-			0	0	1,850		
	27-May	28-Jun	30	32	3,620	0				4	28											127.59	1,722.41		-	0	0	3,861		
	28-Jun	27-Jul	29	29	3,440	0	0				2	27											482.67	3,378.67		-	0	0	3,440	
	27-Jul	26-Aug	30	30	2,900		0	0				4	26											237.24		-	0	0	2,900	
	26-Aug	23-Sep	28	28	2,700				0	0			5	23	0	0	0									-	0	0	2,700	
	23-Sep	24-Oct	31	31	1,360									7	24												-	0	1,360	
	24-Oct	23-Nov	30	30	820	0									7	23											191	629	-	820
	23-Nov	23-Dec	30	30	900	0										7	23										210	690	900	
	23-Dec	23-Jan	31	8	860	0										8											-	222	222	
					21,990	31	29	31	30	31	30	31	31	30	31	30	31	732	793	891	1,182	2,205	3,616	3,589	2,995	2,525	1,244	839	912	21,524

Cust #107225 Loc #200376 Donald Street	Beg Date	End Date	Days		CCF	Days June	Days July	Days August	Days Sept	Days Sept	Days June	Days July	Days August	Days Sept	Days Sept	Days Sept	Days Sept	Usage June	Usage July	Usage August	Usage Sept	Usage Sept	Usage June	Usage July	Usage August	Usage Sept	Usage Sept	Usage Sept	Usage Sept	
	28-Dec	28-Jan	31	28	3,600	28			-	-	-	-	-	-	-	-	-	3,251.61	-	-	-	-	-	-	-	-	0	0	3,252	
	28-Jan	26-Feb	29	29	3,100	3	26				-	-	-	-	-	-	-	320.69	2,779.31	-	-	-	-	-	-	-	0	0	3,100	
	26-Feb	29-Mar	32	32	3,600		3	29			-	-	-	-	-	-	-	-	337.50	3,262.50	-	-	-	-	-	-	0	0	3,600	
	29-Mar	28-Apr	30	30	3,800			2	28		-	-	-	-	-	-	-	-	-	253.33	3,546.67	-	-	-	-	-	0	0	3,800	
	28-Apr	27-May	29	29	9,600				2	27		-	-	-	-	-	-	-	-	-	662.07	8,937.93	-	-	-	-	0	0	9,600	
	27-May	28-Jun	32	32	20,500	0				4	28							-	-	-	-	2,562.50	17,937.50	-	-	-	0	0	17,938	
	28-Jun	27-Jul	29	29	19,100	0	0				2	27						-	-	-	-	-	-	-	-	-	0	0	19,100	
	27-Jul	26-Aug	30	30	16,200		0	0				4	26	5	23	0	0	-	-	-	-	-	-	-	-	-	0	0	16,200	
	26-Aug	23-Sep	28	28	13,600					0								-	-	-	-	-	-	-	-	-	0	0	13,600	
	23-Sep	24-Oct	31	31	6,700										7	24		-	-	-	-	-	-	-	-	-	-	0	0	6,700
	24-Oct	23-Nov	30	30	3,500	0												-	-	-	-	-	-	-	-	-	5,187	-	3,500	
	23-Nov	23-Dec	30	30	3,600	0												-	-	-	-	-	-	-	-	-	817	2,683	-	3,600
	23-Dec	23-Jan	31	8	4,400	0											8	-	-	-	-	-	-	-	-	-	-	840	2,760	-
					111,300	31	29	31	30	31	30	31	31	30	31	30	31	3,572	3,117	3,516	4,209	11,500	19,255	19,943	16,469	12,684	6,004	3,523	3,895	105,125

217	203	217	210	217	210	217	217	210	217	210	217	210	217
31	29	31	30	31	30	31	31	30	31	30	31	30	31

Manchester Water Works
Schedule of Pennichuck 60 day average daily consumption
2015

	Total	PEU Portion	PWW Portion
Average Daily Flow (Gal.) - Max. allowed	2,100,000		
Average Daily Flow (Gal.) - (2011)	1,221,306	718,602	502,704
Average Daily Flow (Gal.)	1,139,622	644,305	495,316
Increase in 2016 (Gal.)	-	-	-
Current MSDC rate per gallon -2016	\$ 3.37	\$ 3.37	\$ 3.37
MSDC additional charge	-	-	-

Consumption (Gal.):	# days in billing cycle	Consumption current period	Consumption prior period	Two (2) month Average Daily flow
Month:				
2015 January	31	14,688,108	-	473,810
February	28	12,847,818	14,688,108	466,711
March	31	15,376,375	12,847,818	478,376
April	30	16,682,598	15,376,375	525,557
May	31	30,653,923	16,682,598	776,009
June	30	31,426,377	30,653,923	1,017,710
July	31	32,254,027	31,426,377	1,043,941
August	31	37,590,334	32,254,027	1,126,522
September	30	31,926,580	37,590,334	1,139,622
October	31	19,956,462	31,926,580	850,542
November	30	13,801,613	19,956,462	553,411
December	31	14,735,738	13,801,613	467,825

Pennichuck East Utility, Inc. (PEU)										Pennichuck Water Works, Inc. (PWW)		
Cust #95593 Loc #69634 Joanne Dr. Smythwoods	Cust #95563 Loc #69604 Harvey Rd.	Cust #95615 Loc #69656 Mammoth Rd.	Cust #95741 Loc #64798 Rockingham @ Coteville Rd	Cust #143619 Loc #207920 Pine Ave. Meter Pit	Cust #95603 Loc #69736 Patten and County Rd.	Cust #107225 Loc #200376 Donald Street	PEU CCF Total	PWW CCF Total	Gallons Total			
Month:												
January	31	420	1,324	12,185	892	150	782	3,883	14,971	4,665	14,688,108	
February	28	377	1,083	10,838	840	129	618	3,291	13,267	3,909	12,847,818	
March	31	433	1,248	12,793	1,083	143	992	3,865	15,699	4,858	15,376,375	
April	30	446	1,462	13,258	1,133	140	1,151	5,864	16,439	5,864	16,682,598	
May	31	660	3,165	18,384	1,487	178	2,520	14,588	23,874	17,107	30,653,923	
June	30	727	3,237	19,455	1,165	176	2,345	14,909	24,759	17,255	31,426,377	
July	31	739	3,292	19,180	1,510	174	2,418	15,906	24,896	18,224	32,254,027	
August	31	814	3,615	21,506	1,272	188	3,417	19,444	27,394	22,861	37,590,334	
September	30	666	2,895	19,961	1,468	160	2,601	14,932	25,150	17,533	31,926,580	
October	31	372	1,604	15,327	713	163	1,523	6,978	18,179	8,501	19,956,462	
November	30	407	1,008	11,845	533	146	905	3,608	13,939	4,512	13,801,613	
December	31	391	1,149	12,610	581	153	1,036	3,781	14,883	4,817	14,735,738	
proof	365	6,452	25,081	187,342	12,677	1,899	20,309	109,797	233,451	130,105	271,939,953	

Londonderry Tank				Wellington Tank		Low Service Tanks						
Cust #95563 Loc #69604	Cust #95615 Loc #69656	Cust #95741 Loc #64798 Rockingham @	Cust #95593 Loc #69634 Joanne Dr. Smythwoods	Cust #143619 Loc #207920 Pine Ave. Meter Pit	Cust #95603 Loc #69736 Patten and County Rd.	Cust #107225 Loc #200376 Donald Street	Londonderry Tank CCF Total	Wellington Tank CCF Total	Low Service Tank CCF Total			
Month:												
January	1,324	12,185	892	420	150	782	3,883	14,402	420	4,815		
February	1,083	10,838	840	377	129	618	3,291	12,761	377	4,038		
March	1,248	12,793	1,083	433	143	992	3,865	15,123	433	5,000		
April	1,462	13,258	1,133	446	140	1,151	5,853	15,853	446	6,003		
May	3,165	18,384	1,487	660	178	2,520	14,588	23,036	660	17,285		
June	3,237	19,455	1,165	727	176	2,345	14,909	23,856	727	17,430		
July	3,292	19,180	1,510	739	174	2,418	15,906	23,962	739	16,399		
August	3,615	21,506	1,272	814	188	3,417	19,444	26,392	814	23,049		
September	2,895	19,961	1,468	666	160	2,601	14,932	24,323	666	17,693		
October	1,604	15,327	713	372	163	1,523	6,978	17,644	372	8,664		
November	1,008	11,845	533	407	146	905	3,608	13,386	407	4,659		
December	1,149	12,610	581	391	153	1,036	3,781	14,340	391	4,970		
proof	-	-	-	-	-	-	-	-	-	-		

Cust #95593 Loc #69634 Joanne Dr. Smythwoods	Beg Date	End Date	Days	365	31	28	31	30	31	30	31	31	30	31	30	31	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec	
				CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec													
	29-Dec	29-Jan	31	29	420	29	-	-	-	-	-	-	-	-	-	-	392.90	-	-	-	-	-	-	-	-	0	0	393	
	29-Jan	27-Feb	29	29	390	2	27	-	-	-	-	-	-	-	-	-	26.90	363.10	-	-	-	-	-	-	-	0	0	390	
	27-Feb	27-Mar	28	28	390	-	1	-	-	-	-	-	-	-	-	-	-	13.93	376.07	-	-	-	-	-	-	0	0	390	
	27-Mar	27-Apr	31	31	440	-	-	4	-	-	-	-	-	-	-	-	-	-	56.77	-	-	-	-	-	-	0	0	440	
	27-Apr	28-May	31	31	650	-	-	-	3	28	-	-	-	-	-	-	-	-	-	383.23	-	-	-	-	-	0	0	650	
	28-May	30-Jun	33	33	800	0	-	-	-	30	-	-	-	-	-	-	-	-	-	62.90	587.10	-	-	-	-	0	0	800	
	30-Jun	28-Jul	28	28	660	0	0	-	-	-	28	-	-	-	-	-	-	-	-	-	72.73	727.27	-	-	-	0	0	660	
	28-Jul	28-Aug	31	31	820	0	-	0	-	-	-	28	-	-	-	-	-	-	-	-	-	660.00	-	-	-	0	0	820	
	28-Aug	25-Sep	28	28	680	0	0	-	-	-	3	28	-	-	-	-	-	-	-	-	-	79.35	740.65	-	-	-	-	680	
	25-Sep	28-Oct	33	33	390	0	-	0	0	0	-	3	25	0	0	0	-	-	-	-	-	-	72.86	607.14	-	-	680		
	27-Oct	27-Nov	30	30	410	0	-	-	-	0	-	-	5	28	3	27	-	-	-	-	-	-	-	59.09	330.91	-	-	390	
	27-Nov	28-Dec	31	31	390	0	-	-	-	0	-	-	-	-	3	28	-	-	-	-	-	-	-	-	41.00	369.00	-	410	
	28-Dec	28-Jan	31	3	400	0	-	-	-	0	-	-	-	-	0	3	-	-	-	-	-	-	-	-	-	37.74	352.26	390	
					400	0	-	-	-	0	-	-	-	-	0	3	-	-	-	-	-	-	-	-	-	-	38.71	39	
					6,840	31	28	31	30	31	30	31	30	31	30	31	420	377	433	446	660	727	739	814	666	372	407	391	6,452

Cust #95615 Loc #69604 Mammoth Rd.	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec	
	29-Dec	29-Jan	31	29	12,200												11,412.90										11,413		
	29-Jan	27-Feb	29	29	11,200	2	27										772.41	10,427.59								0	0		
	27-Feb	27-Mar	28	28			1	27										410.71		11,089.29						0	0		
	27-Mar	27-Apr	31	31	13,200			4	27										1,703.23	11,496.77						0	0		
	27-Apr	28-May	31	31	18,200				3	28											16,438.71					0	0		
	28-May	30-Jun	33	33	21,400	0				3	30															0	0		
	30-Jun	28-Jul	28	28	17,100	0	0					28											17,100.00			0	0		
	28-Jul	27-Aug	30	30	20,800	0	0						3										2,080.00	18,720.00		0	0		
	27-Aug	25-Sep	29	29	20,200	0		0	0																17,413.79	0	0		
	25-Sep	27-Oct	32	32	16,300	0								5											2,546.88	13,753.13	0	0	
	27-Oct	27-Nov	31	31	12,200	0																				1,574.19	0	0	
	27-Nov	28-Dec	31	31	12,600	0																				10625.80645	12,600	0	
	28-Dec	28-Jan	31	3	12,700	0																					1219.354839	11380.64516	12,600
																											1,229.03	1,229	
					199,600	31	28	31	30	31	30	31	31	30	31	30	31	12,185	10,838	12,793	13,258	18,384	19,455	19,180	21,506	19,961	15,327	11,845	12,610

Cust #95741 Loc #69798	Beg Date	End Date	Days		CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec	
	29-Dec	29-Jan	31	29	890	29	-	-	-	-	-	-	-	-	-	-	-	832.58	-	-	-	-	-	-	-	-	-	0	0	833

Rockingham @ Coteville Rd	29-Jan	27-Feb	29	29	865	2	27										59.66	805.34		-	-	-	-	-	-	0	0	865						
	27-Feb	27-Mar	28	28	972	-	1	27										-	34.71		-	-	-	-	-	0	0	972						
	27-Mar	27-Apr	31	31	1,132	-		4	27											937.29		-	-	-	-	0	0	1,132						
	27-Apr	28-May	31	31	1,523	-			3	28										146.06	985.94		-	-	-	0	0	1,523						
	28-May	26-Jun	29	29	1,077	0				3	26											147.39	1,375.61		-	0	0	1,077						
	26-Jun	28-Jul	32	32	1,592	0	0				4	28											111.41	965.59		-	0	0	1,592					
	28-Jul	27-Aug	30	30	1,173	0	0	0			0	3	27												1,393.00		0	0	1,173					
	27-Aug	25-Sep	29	29	1,565	0		0	0		0		4	25	0	0	0								117.30	1,055.70		0	0	1,565				
	25-Sep	27-Oct	32	32	761	0					0			5	27												118.91	642.09		0	0	761		
	27-Oct	27-Nov	31	31	547	0					0				4	27												70.58	476.4193548		0	0	547	
	27-Nov	28-Dec	31	31	582	0					0					3	28												56.32258065	525.6774194		0	0	582
	28-Dec	28-Jan	31	3	575	0					0					0	3													55.65	56			
					13,254	31	28	31	30	31	30	31	30	31	30	31	892	840	1,083	1,133	1,487	1,165	1,510	1,272	1,468	713	533	581	12,677					

Cust #143619 Loc #207920 Pine Ave. Meter Pit	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec			
	29-Dec	29-Jan	31	29	150	29	-	-	-	-	-	-	-	-	-	-	140.32	-	-	-	-	-	-	-	-	0	0	140			
	29-Jan	27-Feb	29	29	134	2	27	-	-	-	-	-	-	-	-	-	9.24	124.76	-	-	-	-	-	-	-	0	0	134			
	27-Feb	27-Mar	28	28	129	-	1	27	-	-	-	-	-	-	-	-	-	4.61	124.39	-	-	-	-	-	-	0	0	129			
	27-Mar	27-Apr	31	31	141	-	-	4	27	-	-	-	-	-	-	-	-	-	18.19	122.81	-	-	-	-	-	0	0	141			
	27-Apr	27-May	30	30	171	-	-	-	3	27	-	-	-	-	-	-	-	-	-	17.10	153.90	-	-	-	-	0	0	171			
	27-May	26-Jun	30	30	177	0	-	-	-	4	26	-	-	-	-	-	-	-	-	-	23.60	153.40	-	-	-	0	0	177			
	26-Jun	28-Jul	32	32	178	-	0	-	-	-	4	28	-	-	-	-	-	-	-	-	-	22.25	155.75	-	-	0	0	178			
	28-Jul	27-Aug	30	30	185	0	0	-	-	-	0	3	27	-	0	0	0	-	-	-	-	-	18.50	166.50	-	-	0	0	185		
	27-Aug	25-Sep	29	29	155	0	-	0	0	0	0	-	4	25	0	0	0	-	-	-	-	-	-	21.38	133.62	-	-	0	0	155	
	25-Sep	27-Oct	32	32	170	0	-	-	-	-	0	-	-	5	27	-	-	-	-	-	-	-	-	-	26.56	143.44	0	0	170		
	27-Oct	27-Nov	31	31	151	0	-	-	-	-	0	-	-	-	4	27	-	-	-	-	-	-	-	-	-	19.48	131.516129	0	0	151	
	27-Nov	28-Dec	31	31	153	0	-	-	-	-	0	-	-	-	-	3	28	-	-	-	-	-	-	-	-	-	14.80645161	138.1935484	0	0	153
	28-Dec	27-Jan	30	3	147	0	-	-	-	-	0	-	-	-	-	0	3	-	-	-	-	-	-	-	-	-	-	14.70	15		
					2,041	31	28	31	30	31	30	31	31	30	31	30	31	150	129	143	140	178	176	174	188	160	163	146	153	1,899	

Cust #95683 Loc #69736 Patten and County Rd.	Beg Date	End Date	Days		CCF	Days June	Days July	Days August	Days Sept	Days Sept	Days June	Days July	Days August	Days Sept	Days Sept	Days Sept	Days Sept	Usage June	Usage July	Usage August	Usage Sept	Usage Sept	Usage June	Usage July	Usage August	Usage Sept	Usage Sept	Usage Sept	Usage Sept
	29-Dec	29-Jan	31	29	790	29	-	-	-	-	-	-	-	-	-	-	-	739.03	-	-	-	-	-	-	-	-	-	0	0
	29-Jan	27-Feb	29	29	630	2	27	-	-	-	-	-	-	-	-	-	-	43.45	586.55	-	-	-	-	-	-	-	0	0	
	27-Feb	27-Mar	28	28	890	-	1	-	-	-	-	-	-	-	-	-	-	-	31.79	858.21	-	-	-	-	-	-	0	0	
	27-Mar	27-Apr	31	31	1,040	-	-	4	27	-	-	-	-	-	-	-	-	-	-	134.19	905.81	-	-	-	-	-	0	0	
	27-Apr	28-May	31	31	2,530	-	-	-	3	28	-	-	-	-	-	-	-	-	-	-	244.84	2,285.16	-	-	-	-	0	0	
	28-May	30-Jun	33	33	2,580	0	-	-	-	3	30	-	-	-	-	-	-	-	-	-	-	234.55	2,345.45	-	-	-	0	0	
	30-Jun	28-Jul	28	28	2,080	0	0	-	-	-	0	28	-	-	-	-	-	-	-	-	-	-	2,080.00	-	-	-	0	0	
	28-Jul	27-Aug	30	30	3,380	0	0	0	-	-	0	3	27	-	-	-	-	-	-	-	-	-	-	338.00	3,042.00	-	0	0	
	27-Aug	25-Sep	29	29	2,720	0	-	0	0	-	0	-	4	25	0	0	0	-	-	-	-	-	-	-	-	-	0	0	
	25-Sep	28-Oct	33	33	1,690	0	-	-	-	-	0	-	-	5	28	-	-	-	-	-	-	-	-	-	-	2,344.83	0	0	
	28-Oct	27-Nov	30	30	890	0	-	-	-	-	0	-	-	-	3	27	-	-	-	-	-	-	-	-	-	256.06	1,433.94	0	0
	27-Nov	28-Dec	31	31	1,070	0	-	-	-	-	0	-	-	-	-	27	-	-	-	-	-	-	-	-	-	89.00	801	0	
	28-Dec	28-Jan	31	3	720	0	-	-	-	-	0	-	-	-	3	28	-	-	-	-	-	-	-	-	-	-	103.5483871	966.4516129	0
																												69.68	70
					21,010	31	28	31	30	31	30	31	30	31	30	31	782	618	992	1,151	2,520	2,345	2,418	3,417	2,601	1,523	905	1,036	20,309

Cust #107225 Loc #200376 Donald Street	Beg Date	End Date	Days		CCF	Days June	Days July	Days August	Days Sept	Days Sept	Days June	Days July	Days August	Days Sept	Days Sept	Days Sept	Usage June	Usage July	Usage August	Usage Sept	Usage Sept	Usage June	Usage July	Usage August	Usage Sept	Usage Sept	Usage Sept	Usage Sept		
	29-Dec	29-Jan	31	29	3,900	29	-	-	-	-	-	-	-	-	-	-	3,648.39	-	-	-	-	-	-	-	-	-	0	0	3,648	
	29-Jan	27-Feb	29	29	3,400	2	27										234.48	3,165.52	-	-	-	-	-	-	-	-	0	0	3,400	
	27-Feb	27-Mar	28	28	3,500	-	1	27									-	125.00	3,375.00	-	-	-	-	-	-	-	0	0	3,500	
	27-Mar	27-Apr	31	31	3,800	-		4	27								-	-	490.32	3,309.68	-	-	-	-	-	-	0	0	3,800	
	27-Apr	28-May	31	31	14,500	-			3	28							-	-	-	1,403.23	13,096.77	-	-	-	-	-	0	0	14,500	
	28-May	30-Jun	33	33	16,400	0				3	30						-	-	-	-	1,490.91	14,909.09	-	-	-	-	0	0	16,400	
	30-Jun	28-Jul	28	28	13,900	0	0				0	28					-	-	-	-	-	-	-	-	-	-	0	0	13,900	
	28-Jul	28-Aug	31	31	19,700	0	0	0			0	3	28				-	-	-	-	-	-	-	-	-	-	0	0	19,700	
	28-Aug	25-Sep	28	28	15,400	0			0	0	0			25	0	0	-	-	-	-	-	-	-	-	-	-	0	0	15,400	
	25-Sep	28-Oct	33	33	7,800	0		0			0	3	25	0	28	0	-	-	-	-	-	-	-	-	-	-	0	0	7,800	
	28-Oct	27-Nov	30	30	3,600	0					0				3	27	-	-	-	-	-	-	-	-	-	-	3240	0	0	3,600
	27-Nov	28-Dec	31	31	3,800	0					0					3	-	-	-	-	-	-	-	-	-	-	367.7419355	3432.258065	3,800	
	28-Dec	28-Jan	31	3	3,600	0					0					0	-	-	-	-	-	-	-	-	-	-	-	348.39	348	
					113,300	31	28	31	30	31	30	31	30	31	30	31	3,883	3,291	3,865	4,713	14,588	14,909	15,806	19,444	14,932	6,978	3,608	3,781	109,797	

217	196	217	210	217	210	217	217	210	217	210	217	210	217
31.00	28.00	31.00	30.00	31.00	30.00	31.00	31.00	30.00	31.00	30.00	31.00	30.00	31.00

Manchester Water Works
Schedule of Pennichuck 60 day average daily consumption
2014

	Total 2,100,000	PEU Portion	PWW Portion
Average Daily Flow (Gal.) - Max. allowed			
Average Daily Flow (Gal.) - (2011)	1,221,306	718,602	502,704
Average Daily Flow (Gal.)	1,087,848	673,885	413,963
Increase in 2016 (Gal.)	-	-	-
Current MSDC rate per gallon -2016	\$ 3.37	\$ 3.37	\$ 3.37
MSDC additional charge	-	-	-

	Consumption (Gal.):	# days in billing cycle	Consumption current period	Consumption prior period	Two (2) month Average Daily flow
Month:					
2014 January	31	17,227,526	-	-	555,727
February	28	15,403,045	17,227,526	-	553,061
March	31	16,912,476	15,403,045	547,721	
April	30	15,551,293	16,912,476	532,193	
May	31	22,274,739	15,551,293	620,099	
June	30	32,383,815	22,274,739	896,042	
July	31	33,974,908	32,383,815	1,087,848	
August	31	31,197,053	33,974,908	1,051,161	
September	30	27,070,751	31,197,053	955,210	
October	31	21,917,397	27,070,751	803,084	
November	30	14,400,557	21,917,397	595,376	
December	31	14,871,229	14,400,557	479,865	

Pennichuck East Utility, Inc. (PEU)						Pennichuck Water Works, Inc. (PWW)								
Cust #95593 Loc #69634 Joanne Dr.	Cust #95615 Loc #69604	Cust #95615 Loc #69656	Cust #95741 Loc #64798 Rockingham @ Coteville Rd	Cust #143619 Loc #207920 Pine Ave. Meter Pit	Cust #95603 Loc #69736 Patten and County Rd.	Cust #107225 Loc #200376	PEU CCF Total	PWW CCF Total	Gallons Total					
Month:	Smythwoods	Harvey Rd.	Mammoth Rd.											
January	31	470	1,410	15,200	1,186	117	18,383	4,648	17,227,526					
February	28	403	1,203	14,000	1,014	116	16,736	3,857	15,403,045					
March	31	449	1,461	15,407	772	114	18,202	4,408	16,912,476					
April	30	440	1,430	13,500	660	136	16,165	4,625	15,551,293					
May	31	525	2,150	16,700	958	136	20,468	9,311	22,274,739					
June	30	784	3,728	21,194	1,493	166	27,365	15,929	32,383,815					
July	31	730	3,652	21,800	1,246	163	25,330	17,530	33,974,908					
August	31	746	3,217	19,400	1,218	144	19,982	16,982	31,197,053					
September	30	537	2,630	17,840	1,107	141	18,851	13,936	27,070,751					
October	31	393	1,790	13,547	719	140	11,605	12,712	21,917,397					
November	30	382	1,634	11,807	777	148	3,698	14,748	14,400,557					
December	31	429	1,619	12,294	671	159	902	4,709	14,871,229					
365	6,287	25,923	192,687	11,821	1,682	15,711	97,740	238,400	113,451	263,184,789				
proof	6,287	25,923	193,668	11,821	1,682	15,711	97,740							

Londonderry Tank		Wellington Tank		Low Service Tanks										
Cust #95563 Loc #69604	Cust #95615 Loc #69656	Cust #95741 Loc #64798 Rockingham @ Coteville Rd	Cust #95593 Loc #69634 Joanne Dr.	Cust #143619 Loc #207920 Pine Ave. Meter Pit	Cust #95603 Loc #69736 Patten and County Rd.	Cust #107225 Loc #200376	Londonderry Tank CCF Total	Wellington Tank CCF Total	Low Service Tank CCF Total					
Month:	Harvey Rd.	Mammoth Rd.												
January	1,410	15,200	1,186	470	117	910	3,739	17,796	470	4,766				
February	1,203	14,000	1,014	403	116	605	3,252	16,217	403	3,972				
March	1,461	15,407	772	449	114	793	3,615	17,640	449	4,522				
April	1,430	13,500	660	440	136	1,032	3,593	15,589	440	4,761				
May	2,150	16,700	958	525	136	1,310	8,001	19,807	525	9,447				
June	3,728	21,194	1,493	784	166	2,090	13,839	26,415	784	16,095				
July	3,652	21,800	1,246	730	163	2,330	15,500	26,698	730	17,993				
August	3,217	19,400	1,218	746	144	1,975	15,006	23,835	746	17,126				
September	2,630	17,840	1,107	537	141	1,851	12,085	21,577	537	14,077				
October	1,790	13,547	719	393	140	1,107	11,605	16,056	393	12,852				
November	1,634	11,807	777	382	148	805	3,698	14,217	382	4,652				
December	1,619	12,294	671	429	159	902	3,806	14,584	429	4,868				
25,923	192,687	11,821	6,287	1,682	15,711	97,740	230,432	6,287	115,133					
proof	-	-	-	-	-	-	-	-	-	-				

	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec	
Cust #95593 Loc #69634 Joanne Dr. Smythwoods	2-Dec	2-Jan	31	2	460	2	-	-	-	-	-	-	-	-	-	-	29.68	-	-	-	-	-	-	-	-	-	-	-	30
	2-Jan	31-Jan	29	29	440	29	-	-	-	-	-	-	-	-	-	-	440.00	-	-	-	-	-	-	-	-	0	-	0	440
	31-Jan	4-Mar	32	32	460	-	28	4	-	-	-	-	-	-	-	-	-	402.50	57.50	-	-	-	-	-	-	0	-	0	460
	4-Mar	2-Apr	29	29	420	-	-	27	-	-	-	-	-	-	-	-	-	-	391.03	28.97	-	-	-	-	-	0	-	0	420
	2-Apr	2-May	30	30	440	-	-	-	28	2	-	-	-	-	-	-	-	-	410.67	29.33	-	-	-	-	-	0	-	0	440
	2-May	30-May	28	28	470	-	-	-	28	-	-	-	-	-	-	-	-	-	-	470.00	-	-	-	-	-	0	-	0	470
	30-May	30-Jun	31	31	810	0	-	-	-	1	30	-	-	-	-	-	-	-	-	26.13	783.87	-	-	-	-	0	-	0	810
	30-Jun	31-Jul	31	31	730	0	0	-	-	-	0	31	-	-	-	-	-	-	-	-	-	730.00	-	-	-	0	-	0	730
	31-Jul	29-Aug	29	29	710	0	0	0	-	-	0	-	0	-	-	-	-	-	-	-	-	-	710.00	-	-	-	-	-	710
	29-Aug	29-Sep	31	31	560	0	-	0	0	-	0	-	2	29	0	0	-	-	-	-	-	-	36.13	523.87	-	-	-	-	560
	29-Sep	29-Oct	30	30	380	0	-	-	-	-	0	-	-	1	29	-	-	-	-	-	-	-	-	12.67	367.33	-	-	-	380
	29-Oct	28-Nov	30	30	380	0	-	-	-	-	0	-	-	2	28	-	-	-	-	-	-	-	-	-	-	354.67	-	-	380
	28-Nov	29-Dec	31	31	430	0	-	-	-	-	0	-	-	2	2	29	-	-	-	-	-	-	-	-	-	27.74	402.26	-	430
	29-Dec	29-Jan	31	2	420	0	-	-	-	-	0	-	-	0	2	-	-	-	-	-	-	-	-	-	-	-	27.10	27	
					7,110	31	28	31	30	31	30	31	30	31	30	31	470	403	449	440	525	784	730	746	537	393	382	429	6,287

	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec	
Cust #95563 Loc #69604 Harvey Rd.	2-Dec	2-Jan	31	2	1,334	2	-	-	-	-	-	-	-	-	-	-	86.06	-	-	-	-	-	-	-	-	-	-	-	86
	2-Jan	31-Jan	29	29	1,324	29	-	-	-	-	-	-	-	-	-	-	1,324.00	-	-	-	-	-	-	-	-	0	-	0	1,324
	31-Jan	3-Mar	31	31	1,332	-	28	3	-	-	-	-	-	-	-	-	-	1,203.10	128.90	-	-	-	-	-	-	0	-	0	1,332
	3-Mar	2-Apr	30	30	1,427	-	-	28	2	-	-	-	-	-	-	-	-	-	1,331.87	95.13	-	-	-	-	-	0	-	0	1,427
	2-Apr	2-May	30	30	1,430	-	-	28	-	-	-	-	-	-	-	-	-	-	1,334.67	95.33	-	-	-	-	-	0	-	0	1,430
	2-May	30-May	28	28	1,930	-	-	-	28	-	-	-	-	-	-	-	-	-	-	1,930.00	-	-	-	-	-	0	-	0	1,930
	30-May	30-Jun	31	31	3,852	0	-	-	1	30	-	-	-	-	-	-	-	-	-	124.26	3,727.74	-	-	-	-	0	-	0	3,852
	30-Jun	31-Jul	31	31	3,652	0	0	-	-	0	31	-	-	-	-	-	-	-	-	-	124.26	3,727.74	-	-	-	0	-	0	3,652
	31-Jul	29-Aug	29	29	3,040	0	0	0	-	0	0	2	29	0	0	0	-	-	-	-	-	-	3,652.00	-	-	-	-	-	3,040
	29-Aug	29-Sep	31	31	2,749	0	-	0	0	-	0	-	2	29	0	0	-	-	-	-	-	-	-	3,040.00	-	-	-	-	2,749
	29-Sep	29-Oct	30	30	1,739	0	-	-	-	-	0	-	1	29	-	-	-	-	-	-	-	-	-	-	57.97	1,681.03	-	-	1,739
	29-Oct	28-Nov	30	30	1,637	0	-	-	-	-	0	-	-	2	28	-	-	-	-	-	-	-	-	-	-	109.13	1,527.87	-	1,637
	28-Nov	29-Dec	31	31	1,639	0	-	-	-	-	0	-	-	2	2	29	-	-	-	-	-	-	-	-	-	-	105.74	1,533.26	1,639
	29-Dec	29-Jan	31	2	1,333	0	-	-	-	-	0	-	-	0	2	-	-	-	-	-	-	-	-	-	-	-	-	86.00	86
					28,418	31	28	31	30	31	30	31	30	31	30	31	1,410	1,203	1,461	1,430	2,150	3,728	3,652	3,217	2,630	1,790	1,634	1,619	25,923

Cust #95615	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec				
Loc #69656 Mammoth Rd.	2-Dec	2-Jan	31	2	15,200	2											980.65	-	-	-	-	-	-	-	-	-	-	981				
	2-Jan	31-Jan	29	29	15,200	29	-	-	-	-	-	-	-	-	-	-	15,200.00	-	-	-	-	-	-	-	-	-	0	15,200				
	31-Jan	3-Mar	31	31	15,500	-	28		3									14,000.00	1,500.00							0	0	15,500				
	3-Mar	2-Apr	30	30	14,900			28											13,906.67	993.33						0	0	14,900				
	2-Apr	2-May	30	30	13,400				28											993.33						0	0	13,400				
	2-May	30-May	28	28	15,100					28											893.33					0	0	15,100				
	30-May	30-Jun	31	31	21,800	0															15,100.00					0	0	21,800				
	30-Jun	31-Jul	31	31	21,800	0	0			1	30											706.45	21,193.55			0	0	21,900				
	31-Jul	29-Aug	29	29	18,200	0		0				31											21,800.00			0	0	21,800				
	29-Aug	29-Sep	31	31	18,600	0	0		0	0	0	0	29		0	0	0							18,200.00			-	18,600				
	29-Sep	29-Oct	30	30	13,200	0								29										1,200.00	17,400.00			-	13,200			
	29-Oct	28-Nov	30	30	11,800	0								1											440.00	12,760.00			-	11,800		
	28-Nov	29-Dec	31	31	12,300	0									2	28	29								786.67	11,013.33			-	12,300		
	29-Dec	29-Jan	31	2	12,200	0										2	2										793.55	11,506.45			-	12,300
						12,200						0				2													787.10	11,807		
					219,300	31	28	31	30	31	30	31	30	31	30	31	15,200	14,000	15,407	13,500	16,700	21,194	21,800	19,400	17,840	13,547	11,807	12,294	193,668			

Cust #95741 Loc #69798 Rockingham @ Coteville Rd	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec	
	2-Dec	2-Jan	31	2	1,147	2	-	-	-	-	-	-	-	-	-	-	74.00	-	-	-	-	-	-	-	-	-	-	74	
	2-Jan	31-Jan	29	29	1,112	29	-	-	-	-	-	-	-	-	-	-	1,112.00	-	-	-	-	-	-	-	-	0	0	1,112	
	31-Jan	3-Mar	31	31	1,123	-	28	3	-	-	-	-	-	-	-	-	-	1,014.32	108.68	-	-	-	-	-	-	0	0	1,123	
	3-Mar	2-Apr	30	30	711	-	-	28	2	-	-	-	-	-	-	-	-	-	663.60	47.40	-	-	-	-	-	0	0	711	
	2-Apr	2-May	30	30	656	-	-	-	28	2	-	-	-	-	-	-	-	-	-	612.27	43.73	-	-	-	-	0	0	656	
	2-May	30-May	28	28	864	-	-	-	28	-	-	-	-	-	-	-	-	-	-	-	864.00	-	-	-	-	0	0	864	
	30-May	30-Jun	31	31	1,543	0	-	-	1	30	-	-	-	-	-	-	-	-	-	-	49.77	1,493.23	-	-	-	0	0	1,543	
	30-Jun	31-Jul	31	31	1,246	0	0	-	-	0	31	29	-	-	-	-	-	-	-	-	-	1,246.00	-	-	-	0	0	1,246	
	31-Jul	29-Aug	29	29	1,143	0	0	0	-	0	0	-	-	-	-	-	-	-	-	-	-	-	1,143.00	-	-	-	-	1,143	
	29-Aug	29-Sep	31	31	1,159	0	-	0	0	0	-	2	29	0	0	0	-	-	-	-	-	-	-	1,084.23	-	-	-	1,159	
	29-Sep	29-Oct	30	30	690	0	-	-	-	0	-	-	1	-	-	-	-	-	-	-	-	-	-	23.00	667.00	-	-	690	
	29-Oct	28-Nov	30	30	787	0	-	-	-	0	-	-	-	2	28	-	-	-	-	-	-	-	-	-	52.47	734.53	-	787	
	28-Nov	29-Dec	31	31	656	0	-	-	-	0	-	-	-	-	2	29	-	-	-	-	-	-	-	-	-	42.32	613.68	656	
	29-Dec	29-Jan	31	2	890	0	-	-	-	0	-	-	-	-	0	2	-	-	-	-	-	-	-	-	-	-	57.42	890	
					13,727	31	28	31	30	31	31	31	30	31	31	31	1,186	1,014	772	660	958	1,493	1,246	1,218	1,107	719	777	671	11,821
Cust #143619 Loc #207920 Pine Ave. Meter Pit	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec	
	2-Dec	2-Jan	31	2	129	2	-	-	-	-	-	-	-	-	-	-	8.32	-	-	-	-	-	-	-	-	-	-	8	
	2-Jan	31-Jan	29	29	109	29	-	-	-	-	-	-	-	-	-	-	109.00	-	-	-	-	-	-	-	-	0	0	109	
	31-Jan	3-Mar	31	31	128	-	28	3	-	-	-	-	-	-	-	-	-	115.61	12.39	-	-	-	-	-	-	0	0	128	
	3-Mar	2-Apr	30	30	109	-	-	28	2	-	-	-	-	-	-	-	-	-	101.73	7.27	-	-	-	-	-	0	0	109	
	2-Apr	2-May	30	30	138	-	-	-	28	-	-	-	-	-	-	-	-	-	-	128.80	9.20	-	-	-	-	0	0	138	
	2-May	30-May	28	28	121	-	-	-	28	-	-	-	-	-	-	-	-	-	-	-	121.00	-	-	-	-	0	0	121	
	30-May	30-Jun	31	31	172	0	-	-	1	30	-	-	-	-	-	-	-	-	-	-	5.55	166.45	-	-	-	0	0	172	
	30-Jun	31-Jul	31	31	163	0	0	-	-	0	31	-	-	-	-	-	-	-	-	-	-	163.00	-	-	-	0	0	163	
	31-Jul	29-Aug	29	29	135	0	0	0	-	0	0	29	-	-	-	-	-	-	-	-	-	-	135.00	-	-	-	-	135	
	29-Aug	29-Sep	31	31	146	0	-	0	0	0	-	2	29	0	0	0	-	-	-	-	-	-	9.42	136.58	-	-	-	146	
	29-Sep	29-Oct	30	30	135	0	-	-	-	0	-	-	1	29	-	-	-	-	-	-	-	-	-	4.50	130.50	-	-	135	
	29-Oct	28-Nov	30	30	148	0	-	-	-	0	-	-	-	2	28	-	-	-	-	-	-	-	-	-	9.87	138.13	-	148	
	28-Nov	29-Dec	31	31	160	0	-	-	-	0	-	-	-	-	2	29	-	-	-	-	-	-	-	-	-	10.32	149.68	160	
	29-Dec	29-Jan	31	2	150	0	-	-	-	0	-	-	-	-	0	2	-	-	-	-	-	-	-	-	-	-	9.68	150	
					1,943	31	28	31	30	31	31	31	30	31	30	31	117	116	114	136	136	166	163	144	141	140	148	159	1,682
Cust #95683 Loc #69736 Patten and County Rd.	Beg Date	End Date	Days	CCF	Days June	Days July	Days August	Days Sept	Days Sept	Days June	Days July	Days August	Days Sept	Days Sept	Days Sept	Days Sept	Usage June	Usage July	Usage August	Usage Sept	Usage Sept	Usage June	Usage July	Usage August	Usage Sept	Usage Sept	Usage Sept	Usage Sept	
	2-Dec	2-Jan	31	2	770	2	-	-	-	-	-	-	-	-	-	-	49.68	-	-	-	-	-	-	-	-	-	-	50	
	2-Jan	31-Jan	29	29	860	29	-	-	-	-	-	-	-	-	-	-	860.00	-	-	-	-	-	-	-	-	0	0	860	
	31-Jan	3-Mar	31	31	670	-	28	3	-	-	-	-	-	-	-	-	-	605.16	64.84	-	-	-	-	-	-	0	0	670	
	3-Mar	2-Apr	30	30	780	-	-	28	2	-	-	-	-	-	-	-	-	-	728.00	52.00	-	-	-	-	-	0	0	780	
	2-Apr	2-May	30	30	1,050	-	-	-	28	-	-	-	-	-	-	-	-	-	-	980.00	70.00	-	-	-	-	0	0	1,050	
	2-May	30-May	28	28	1,170	-	-	-	28	-	-	-	-	-	-	-	-	-	-	-	1,170.00	-	-	-	-	0	0	1,170	
	30-May	30-Jun	31	31	2,160	0	-	-	1	30	-	-	-	-	-	-	-	-	-	-	-	2,090.32	-	-	-	0	0	2,160	
	30-Jun	31-Jul	31	31	2,330	0	0	-	-	0	31	-	-	-	-	-	-	-	-	-	-	69.68	-	-	-	-	0	0	2,330
	31-Jul	29-Aug	29	29	1,850	0	0	0	-	0	0	29	-	-	-	-	-	-	-	-	-	-	2,330.00	-	-	-	0	0	1,850
	29-Aug	29-Sep	31	31	1,940	0	-	0	0	0	-	-	2	29	0	0	-	-	-	-	-	-	-	1,850.00	-	-	-	1,940	
	29-Sep	29-Oct	30	30	1,090	0	-	-	-	0	-	-	1	29	-	-	-	-	-	-	-	-	-	125.16	1,814.84	-	-	1,090	
	29-Oct	28-Nov	30	30	800	0	-	-	-	0	-	-	-	2	28	-	-	-	-	-	-	-	-	-	36.33	1,053.67	-	-	800
	28-Nov	29-Dec	31	31	910	0	-	-	-	0	-	-	-	-	2	29	-	-	-	-	-	-	-	-	-	53.33	746.67	-	910
	29-Dec	29-Jan	31	2	790	0	-	-	-	0	-	-	-	-	0	2	-	-	-	-	-	-	-	-	-	-	58.71	851.29	790
					17,170	31	28	31	30	31	31	31	30	31	30	31	910	605	793	1,032	1,310	2,090	2,330	1,975	1,851	1,107	805	902	15,711
Cust #107225 Loc #200376 Donald Street	Beg Date	End Date	Days	CCF	Days June	Days July	Days August	Days Sept	Days Sept	Days June	Days July	Days August	Days Sept	Days Sept	Days Sept	Days Sept	Usage June	Usage July	Usage August	Usage Sept	Usage Sept	Usage June	Usage July	Usage August	Usage Sept	Usage Sept	Usage Sept	Usage Sept	

Manchester Water Works
Schedule of Pennichuck 60 day average daily consumption
2013

	Total	PEU Portion	PWW Portion
Average Daily Flow (Gal.) - Max. allowed	2,100,000		
Average Daily Flow (Gal.) - (2011)	1,221,306	718,602	502,704
Average Daily Flow (Gal.)	1,068,220	663,496	404,724
Increase in 2016 (Gal.)	-	-	-
Current MSDC rate per gallon -2016	\$ 3.37	\$ 3.37	\$ 3.37
MSDC additional charge	\$ -	\$ -	\$ -

	Consumption (Gal.):	# days in billing cycle	Consumption current period	Consumption prior period	Two (2) month Average Daily flow
Month:					
2013 January	31	17,581,114	-	-	567,133
February	28	18,262,647	17,581,114	-	607,521
March	31	23,518,691	18,262,647	708,156	
April	30	26,265,767	23,518,691	816,139	
May	31	16,958,369	26,265,767	708,592	
June	30	24,558,524	16,958,369	680,605	
July	31	32,313,112	24,558,524	932,322	
August	31	33,916,534	32,313,112	1,068,220	
September	30	28,190,896	33,916,534	1,018,155	
October	31	21,262,795	28,190,896	810,716	
November	30	16,506,917	21,262,795	619,176	
December	31	18,660,573	16,506,917	576,516	

Pennichuck East Utility, Inc. (PEU)						Pennichuck Water Works, Inc. (PWW)								
Cust #95593 Loc #69634 Joanne Dr.	Cust #95563 Loc #69604	Cust #95615 Loc #69656	Cust #95741 Loc #64798 Rockingham @	Cust #143619 Loc #207920 Pine Ave.	Cust #95603 Loc #69736 Patten and County Rd.	Cust #107225 Loc #200376	PEU CCF Total	PWW CCF Total	Gallons Total					
Month:	Smythwoods	Harvey Rd.	Mammoth Rd.	Coteville Rd	Meter Pit	Donald Street								
January	31	468	2,780	15,125	517	102	1,299	3,214	18,991	4,513	17,581,114			
February	28	413	5,965	13,548	469	93	1,114	2,813	20,488	3,927	18,262,647			
March	31	463	10,425	15,317	563	105	1,303	3,267	26,873	4,569	23,518,691			
April	30	527	11,547	15,951	734	110	1,520	6,247	28,868	6,247	26,265,767			
May	31	642	(12,523)	19,982	1,176	131	2,176	11,087	9,408	13,264	16,958,369			
June	30	598	(1,610)	19,600	1,042	123	2,127	10,953	19,752	13,080	24,558,524			
July	31	666	3,753	21,643	1,035	135	2,207	13,760	27,232	15,967	32,313,112			
August	31	651	3,422	22,341	1,217	133	2,445	15,135	27,764	17,579	33,916,534			
September	30	495	2,249	20,616	1,142	137	2,308	10,742	24,638	13,050	28,190,896			
October	31	444	1,689	17,498	984	131	1,727	5,954	20,746	7,681	21,262,795			
November	30	407	1,394	14,303	892	128	1,307	17,124	3,637	4,944	16,506,917			
December	31	457	3,554	15,168	1,132	129	807	3,700	20,441	4,507	18,660,573			
proof	365	6,229	32,645	211,093	10,903	1,455	20,340	88,988	262,325	109,328	277,995,939			

Londonderry Tank			Wellington Tank		Low Service Tanks									
Cust #95563 Loc #69604	Cust #95615 Loc #69656	Cust #95741 Loc #64798 Rockingham @	Cust #95593 Loc #69634 Joanne Dr.	Cust #143619 Loc #207920 Pine Ave.	Cust #95603 Loc #69736 Patten and County Rd.	Cust #107225 Loc #200376	Londonderry Tank CCF Total	Wellington Tank CCF Total	Low Service Tank CCF Total					
Month:	Harvey Rd.	Mammoth Rd.	Coteville Rd	Smythwoods	Meter Pit	Donald Street								
January	2,780	15,125	517	468	102	1,299	3,214	18,422	468	4,614				
February	5,965	13,548	469	413	93	1,114	2,813	19,983	413	4,020				
March	10,425	15,317	563	463	105	1,303	3,267	26,305	463	4,674				
April	11,547	15,951	734	527	110	1,520	6,247	28,232	527	6,356				
May	(12,523)	19,982	1,176	642	131	2,176	11,087	8,636	642	13,394				
June	(1,610)	19,600	1,042	598	123	2,127	10,953	19,032	598	13,202				
July	3,753	21,643	1,035	666	135	2,207	13,760	26,431	666	16,103				
August	3,422	22,341	1,217	651	133	2,445	15,135	26,980	651	17,712				
September	2,249	20,616	1,142	495	137	2,308	10,742	24,007	495	13,187				
October	1,689	17,498	984	444	131	1,727	5,954	20,171	444	7,811				
November	1,394	14,303	892	407	128	1,307	3,637	16,589	407	5,072				
December	3,554	15,168	1,132	457	129	807	3,700	19,854	457	4,636				
proof	-	-	-	-	-	-	-	-	-	-				

			365	31	28	31	30	31	30	31	31	30	31	30	31	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec		
Cust #95593 Loc #69634 Joanne Dr. Smythwoods	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
	5-Dec	4-Jan	30	4	440	4											58.67	-	-	-	-	-	-	-	-	-	-	59	
	4-Jan	4-Feb	31	31	470	27	4	-	-	-	-	-	-	-	-	-	409.35	60.65	-	-	-	-	-	-	-	0	0	470	
	4-Feb	6-Mar	30	30	440	-	24	6									-	352.00	88.00	-	-	-	-	-	-	0	0	440	
	6-Mar	5-Apr	30	30	450	-	-	25	5	-	-	-	-	-	-	-	-	375.00	75.00	-	-	-	-	-	-	0	0	450	
	5-Apr	6-May	31	31	560	-		25	6	-	-	-	-	-	-	-	-	-	451.61	108.39	-	-	-	-	-	0	0	560	
	6-May	5-Jun	30	30	640	-		-	25	5	-	-	-	-	-	-	-	-	-	533.33	106.67	-	-	-	-	0	0	640	
	5-Jun	3-Jul	28	28	550	0			0	25	3	2					-	-	-	-	491.07	58.93	-	-	-	0	0	550	
	3-Jul	2-Aug	30	30	650	0	0			0	28	2					-	-	-	-	-	606.67	43.33	-	-	0	0	650	
	2-Aug	3-Sep	32	32	670	0	0	0		0	0	29	3				-	-	-	-	-	-	607.19	62.81	-	-	-	670	
	3-Sep	3-Oct	30	30	480	0		0	0	0	0	0	27	3	0	0	-	-	-	-	-	-	-	432.00	48.00	-	-	480	
	3-Oct	1-Nov	29	29	410	0				0			0	28	1		-	-	-	-	-	-	-	-	395.86	14.14	-	410	
	1-Nov	2-Dec	31	31	420	0				0				0	29	2	-	-	-	-	-	-	-	-	-	392.90	27.10	420	
	2-Dec	2-Jan	31	29	460	0				0					0	29	-	-	-	-	-	-	-	-	-	-	430.32	430	
	2-Jan	22-Jan	20	-	0	0				0					0	0	-	-	-	-	-	-	-	-	-	-	-	-	
					6,640	31	28	31	30	31	31	31	30	31	30	31	468	413	463	527	642	598	666	651	495	444	407	457	6,229

Beg				End		CCF	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Usage	Usage	Usage	Usage	Usage	Usage	Usage	Usage	Usage	Usage	Usage	Usage	Usage
Date	Date	Days		Jan	Feb		Mar	Apr	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	August	Sept	Oct	Nov	Dec			
Cust #95563	5-Dec	4-Jan	30	4	2,360	4										314.67														315	
Loc #69604	4-Jan	4-Feb	31	31	2,830	27	4	-	-	-	-	-	-	-	-	2,464.84	365.16												0	2,830	
Harvey Rd.	4-Feb	6-Mar	30	30	7,000		24										5,600.00	1,400.00										0	7,000		
	6-Mar	5-Apr	30	30	10,830	-		25		5								9,025.00	1,805.00									0	10,830		
	5-Apr	6-May	31	31	12,080			-	25		7							9,741.94	2,338.06									0	12,080		
	6-May	7-Jun	32	32	(19,022)				-	25	7								(14,860.94)		(4,161.06)							0	(19,022)		
	7-Jun	3-Jul	26	26	2,884	0			0		23			3							(4,161.06)	332.77						0	2,884		
	3-Jul	5-Aug	33	33	4,831	0	0				28		5								2,551.23	3,420.24						0	4,831		
	5-Aug	3-Sep	29	29	3,136	0		0			0		26		3								610.76					-	3,136		
	3-Sep	3-Oct	30	30	2,138	0	0		0		0		0		0							2,811.69						-	2,138		
	3-Oct	1-Nov	29	29	1,528	0					0		27		3	0							1,924.20		213.80			-	1,528		
	1-Nov	2-Dec	31	31	1,434	0					0		0		28	1								1,475.31		52.69		-	1,434		
	2-Dec	2-Jan	31	29	3,700	0					0		0		29	2												92.52	3,700		
	2-Jan	22-Jan	20	-		0					0		0		0	29												3,461.29	3,461		
					34,929	31	28	31	30	31	30	31	30	31	30	31	2,780	5,965	10,425	11,547	(12,523)	(1,610)	3,753	3,422	2,249	1,689	1,394	3,554	32,645		

	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec			
Cust #95741 Loc #69798 Rockingham @ Coteville Rd	5-Dec	4-Jan	30	4	509	4											67.87	-	-	-	-	-	-	-	-	-	-	68			
	4-Jan	4-Feb	31	31	516	27	4	-	-	-	-	-	-	-	-	-	449.42	66.58	-	-	-	-	-	-	-	0	0	516			
	4-Feb	6-Mar	30	30	503	-	24	6	-	-	-	-	-	-	-	-	-	402.40	100.60	-	-	-	-	-	-	0	0	503			
	6-Mar	5-Apr	30	30	555	-	-	25	-	-	-	5	-	-	-	-	-	-	462.50	92.50	-	-	-	-	-	0	0	555			
	5-Apr	6-May	31	31	795	-	-	-	25	6	-	-	-	-	-	-	-	-	-	641.13	153.87	-	-	-	-	0	0	795			
	6-May	5-Jun	30	30	1,227	-			25	5	-	-	-	-	-	-	-	-	-	-	1,022.50	204.50	-	-	-	0	0	1,227			
	5-Jun	3-Jul	28	28	938	0			0	25	3						-	-	-	-	-	837.50	100.50	-	-	0	0	938			
	3-Jul	2-Aug	30	30	1,001	0	0			0	28	2					-	-	-	-	-	-	934.27	66.73	-	0	0	1,001			
	2-Aug	3-Sep	32	32	1,269	0	0	0		0	0	29	3				-	-	-	-	-	-	-	1,150.03	118.97	-	-	1,269			
	3-Sep	3-Oct	30	30	1,137	0		0	0	0	0	0	27		3	0	0	-	-	-	-	-	-	-	-	869.93	113.70	-	-	1,137	
	3-Oct	1-Nov	29	29	901	0				0	0	0	28	1	0	0	-	-	-	-	-	-	-	-	-	-	31.07	-	-	901	
	1-Nov	2-Dec	31	31	920	0				0	0	0	28	0	29	2	-	-	-	-	-	-	-	-	-	-	860.65	59.35	920		
	2-Dec	2-Jan	31	29	1,147	0				0	0	0	29	0	29	0	-	-	-	-	-	-	-	-	-	-	-	1,073.00	1,073		
	2-Jan	22-Jan	20	-	-	0				0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-		
					11,418	31	28	31	30	31	30	31	31	30	31	517	469	563	734	1,176	1,042	1,035	1,217	1,142	984	892	1,132	10,903			
Cust #143619 Loc #207920 Pine Ave. Meter Pit	5-Dec	4-Jan	30	4	109	4											14.53	-	-	-	-	-	-	-	-	-	-	15			
	4-Jan	4-Feb	31	31	100	27	4	-	-	-	-	-	-	-	-	-	87.10	12.90	-	-	-	-	-	-	-	0	0	100			
	4-Feb	6-Mar	30	30	100	-	24	6	-	-	-	-	-	-	-	-	-	80.00	20.00	-	-	-	-	-	-	0	0	100			
	6-Mar	5-Apr	30	30	102	-	-	25	-	-	-	-	-	-	-	-	-	-	85.00	-	-	-	-	-	-	0	0	102			
	5-Apr	6-May	31	31	115	-	-	-	25	6	-	-	-	-	-	-	-	-	-	92.74	22.26	-	-	-	-	0	0	115			
	6-May	5-Jun	30	30	130	-			-	25	5	-	-	-	-	-	-	-	-	-	108.33	21.67	-	-	-	0	0	130			
	5-Jun	3-Jul	28	28	113	0			0	25	3						-	-	-	-	-	100.89	12.11	-	-	0	0	113			
	3-Jul	2-Aug	30	30	132	0	0			0	28	2					-	-	-	-	-	-	123.20	8.80	-	0	0	132			
	2-Aug	3-Sep	32	32	137	0	0	0		0	0	29	3				-	-	-	-	-	-	-	124.16	12.84	-	-	137			
	3-Sep	3-Oct	30	30	138	0		0	0	0	0	0	27	3	0	0	-	-	-	-	-	-	-	-	124.20	13.80	-	-	138		
	3-Oct	1-Nov	29	29	121	0				0		0	28	1			-	-	-	-	-	-	-	-	-	116.83	4.17	-	-	121	
	1-Nov	2-Dec	31	31	132	0				0		0	29	0	29	2	-	-	-	-	-	-	-	-	-	-	123.48	8.52	132		
	2-Dec	2-Jan	31	29	129	0				0		0	29	0	29	0	-	-	-	-	-	-	-	-	-	-	-	120.68	121		
	2-Jan	22-Jan	20	-	-	0				0		0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-		
					1,558	31	28	31	30	31	30	31	31	30	31	102	93	105	110	131	123	135	133	137	131	128	129	1,455			
Cust #95683 Loc #69736 Patten and County Rd.	5-Dec	4-Jan	30	4	1,120	4											149.33	-	-	-	-	-	-	-	-	-	-	149			
	4-Jan	4-Feb	31	31	1,320	27	4	-	-	-	-	-	-	-	-	-	1,149.68	170.32	-	-	-	-	-	-	-	0	0	1,320			
	4-Feb	6-Mar	30	30	1,180	-	24	6	-	-	-	-	-	-	-	-	-	944.00	236.00	-	-	-	-	-	-	0	0	1,180			
	6-Mar	5-Apr	30	30	1,280	-	-	25	-	-	-	5	-	-	-	-	-	-	1,066.67	213.33	-	-	-	-	-	0	0	1,280			
	5-Apr	6-May	31	31	1,620	-	-	-	25	6	-	-	-	-	-	-	-	-	-	1,306.45	313.55	-	-	-	-	0	0	1,620			
	6-May	6-Jun	31	31	2,310	-			-	25	6						-	-	-	-	1,862.90	447.10	-	-	-	0	0	2,310			
	6-Jun	3-Jul	27	27	1,890	0			0	24	3						-	-	-	-	-	1,680.00	210.00	-	-	0	0	1,890			
	3-Jul	2-Aug	30	30	2,140	0	0			0	28	2					-	-	-	-	-	-	1,997.33	142.67	-	0	0	2,140			
	2-Aug	3-Sep	32	32	2,540	0	0	0		0	0	29	3				-	-	-	-	-	-	-	2,301.88	238.13	-	-	2,540			
	3-Sep	3-Oct	30	30	2,300	0		0	0	0		0	27	3	0	0	-	-	-	-	-	-	-	-	2,070.00	230.00	-	-	2,300		
	3-Oct	1-Nov	29	29	1,550	0				0		0	27	28	1		-	-	-	-	-	-	-	-	-	-	1,496.55	53.45	-	-	1,550
	1-Nov	2-Dec	31	31	1,340	0				0		0	29	0	29	2	-	-	-	-	-	-	-	-	-	-	1,253.55	86.45	1,340		
	2-Dec	2-Jan	31	29	770	0				0		0	29	0	29	0	-	-	-	-	-	-	-	-	-	-	-	720.32	720		
	2-Jan	22-Jan	20	-	-	0				0		0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-		
					21,360	31	28	31	30	31	30	31	30	31	1,299	1,114	1,303	1,520	2,176	2,127	2,207	2,445	2,308	1,727	1,307	807	20,340				
Cust #107225 Loc #200376 Donald Street	5-Dec	4-Jan	30	4	3,200	4											426.67	-	-	-	-	-	-	-	-	-	-	427			
	4-Jan	4-Feb	31	31	3,200	27	4	-	-	-	-	-	-	-	-	-	2,787.10	412.90	-	-	-	-	-	-	-	0	0	3,200			
	4-Feb	6-Mar	30	30	3,000	-	24	6	-	-	-	-	-	-	-	-	-	2,400.00	600.00	-	-	-	-	-	-	0	0	3,000			
	6-Mar	5-Apr	30	30	3,200	-	-	25	-	-	-	5	-	-	-	-	-	-	2,666.67	533.33	-	-	-	-	-	0	0	3,200			
	5-Apr	6-May	31	31	5,200	-	-	-	25	6	-	-	-	-	-	-	-	-	-	4,193.55	1,006.45	-	-	-	-	0	0	5,200			
	6-May	6-Jun	31	31	12,500	-			-	25	6						-	-	-	-	10,080.65	2,419.35	-	-	-	0	0	12,500			
	6-Jun	3-Jul	27	27	9,600	0			0	24	3						-	-	-	-	-	8,533.33	1,066.67	-	-	0	0	9,600			
	3-Jul	2-Aug	30	30	13,600	0	0			0</																					

Manchester Water Works
Schedule of Pennichuck 60 day average daily consumption
2013

	Total 2,100,000	PEU Portion	PWW Portion
Average Daily Flow (Gal.) - Max. allowed			
Average Daily Flow (Gal.) - (2011)	1,221,306	718,602	502,704
Average Daily Flow (Gal.)	1,212,233	728,877	483,356
Increase in 2016 (Gal.)	-	-	-
Current MSDC rate per gallon -2016	\$ 3.37	\$ 3.37	\$ 3.37
MSDC additional charge	-	-	-

Consumption (Gal.):	# days in billing cycle	Consumption current period	Consumption prior period	Two (2) month Average Daily flow
Month:				
2012 January	31	16,338,293	-	527,042
February	28	15,406,284	16,338,293	538,044
March	31	16,757,501	15,406,284	545,149
April	30	21,873,373	16,757,501	633,293
May	31	24,981,623	21,873,373	768,115
June	30	30,340,633	24,981,623	906,922
July	31	40,446,694	30,340,633	1,160,448
August	31	34,711,737	40,446,694	1,212,233
September	30	26,492,252	34,711,737	1,003,344
October	31	19,252,099	26,492,252	749,907
November	30	16,609,067	19,252,099	587,888
December	31	17,345,571	16,609,067	556,633

Pennichuck East Utility, Inc. (PEU)						Pennichuck Water Works, Inc. (PWW)				
Cust #95593 Loc #69634 Joanne Dr.	Cust #95615 Loc #69656	Cust #95615 Loc #69656	Cust #95741 Loc #64798 Rockingham @ Coteville Rd	Cust #143619 Loc #207920 Pine Ave. Meter Pit	Cust #95633 Loc #69736 Patten and County Rd.	Cust #107225 Loc #200376 Donald Street	PEU CCF Total	PWW CCF Total	Gallons Total	
Month:	Smythwoods	Harvey Rd.	Mammoth Rd.							
January	31	428	2,213	14,282	467	80	1,320	3,053	17,470	4,373
February	29	420	2,522	12,894	640	78	1,182	2,860	16,554	4,043
March	31	471	1,663	14,632	1,066	82	1,278	3,211	17,914	4,489
April	30	443	2,551	15,141	3,756	93	1,737	5,520	21,985	7,257
May	31	553	3,738	16,939	1,938	247	1,881	8,101	23,416	9,982
June	30	728	4,171	19,068	993	648	2,390	12,564	25,608	14,954
July	31	861	6,284	23,069	1,313	520	3,426	18,579	32,068	22,005
August	31	749	4,553	21,468	1,187	390	2,765	15,294	28,347	18,059
September	30	587	3,500	18,487	931	309	2,137	23,825	11,593	5,825
October	31	457	2,410	16,349	562	135	1,474	4,351	19,913	5,825
November	30	420	2,093	14,661	475	106	1,272	3,177	17,756	4,449
December	31	451	2,392	15,243	520	112	1,181	3,290	18,719	4,471
proof	366	6,600	38,090	202,234	13,849	2,801	22,045	89,455	263,574	111,500

Londonderry Tank		Wellington Tank		Low Service Tanks			Londonderry Tank CCF Total	Wellington Tank CCF Total	Low Service Tank CCF Total
Cust #95563 Loc #69604	Cust #95615 Loc #69656	Cust #95741 Loc #64798 Rockingham @ Coteville Rd	Cust #95593 Loc #69634 Joanne Dr.	Cust #143619 Loc #207920 Pine Ave. Meter Pit	Cust #95633 Loc #69736 Patten and County Rd.	Cust #107225 Loc #200376 Donald Street			
Month:	Harvey Rd.	Mammoth Rd.							
January	2,213	14,282	467	428	80	1,320	3,053	16,962	428
February	2,522	12,894	640	420	78	1,182	2,860	16,055	420
March	1,663	14,632	1,066	471	82	1,278	3,211	17,361	471
April	2,551	15,141	3,756	443	93	1,737	5,520	21,448	443
May	3,738	16,939	1,938	553	247	1,881	8,101	22,616	553
June	4,171	19,068	993	728	648	2,390	12,564	24,233	728
July	6,284	23,069	1,313	861	520	3,426	18,579	30,667	861
August	4,553	21,468	1,187	749	390	2,765	15,294	27,208	749
September	3,500	18,487	931	598	309	2,137	9,455	22,918	598
October	2,410	16,349	562	457	135	1,474	4,351	19,321	457
November	2,093	14,661	475	420	106	1,272	3,177	17,229	420
December	2,392	15,243	520	451	112	1,181	3,290	18,155	451
proof	-	-	-	-	-	-	-	254,172	6,600

Cust #95593 Loc #69634 Joanne Dr. Smythwoods	Beg Date	End Date	Days	366	31	29	31	30	31	30	31	31	30	31	30	31	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec	
				CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec													
	2-Dec	9-Jan	38	9	460	9											108.95	-	-	-	-	-	-	-	-	-	-	109	
	9-Jan	9-Feb	31	31	450	22	9	-	-	-	-	-	-	-	-	-	319.35	130.65	-	-	-	-	-	-	-	0	0	450	
	9-Feb	9-Mar	29	29	420	-	20	9	-	-	-	-	-	-	-	-	-	289.66	130.34	-	-	-	-	-	0	0	420		
	9-Mar	9-Apr	31	31	480	-	-	22	9	-	-	-	-	-	-	-	-	-	340.65	139.35	-	-	-	-	-	0	0	480	
	9-Apr	8-May	29	29	420	-		-	21	8	-	-	-	-	-	-	-	-	-	304.14	115.86	-	-	-	-	0	0	420	
	8-May	7-Jun	30	30	570	-		-	23	7	-	-	-	-	-	-	-	-	-	-	437.00	133.00	-	-	-	0	0	570	
	7-Jun	6-Jul	29	29	750	0			0	23	6	-	-	-	-	-	-	-	-	-	594.83	155.17	-	-	-	0	0	750	
	6-Jul	6-Aug	31	31	900	0	0			0	25	6	-	-	-	-	-	-	-	-	-	725.81	174.19	-	-	0	0	900	
	6-Aug	5-Sep	30	30	690	0	0	0		0	0	25	5	-	-	-	-	-	-	-	-	-	575.00	115.00	-	-	690		
	5-Sep	4-Oct	29	29	560	0		0	0	0	0	0	25	4	0	0	-	-	-	-	-	-	-	482.76	77.24	-	560		
	4-Oct	5-Nov	32	32	450	0			0	0	0	0	27	5	-	-	-	-	-	-	-	-	-	-	379.69	70.31	-	450	
	5-Nov	5-Dec	30	30	420	0			0	0	0	0	0	25	5	-	-	-	-	-	-	-	-	-	-	350.00	70.00	420	
	5-Dec	4-Jan	30	26	440	0			0	0	0	0	0	26	0	-	-	-	-	-	-	-	-	-	-	-	381.33	381	
	4-Jan	22-Jan	18	-	0	0			0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	
					7,010	31	29	31	30	31	30	31	30	31	30	31	428	420	471	443	553	728	881	749	598	457	420	451	6,600

Beg	End					Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Usage	Usage	Usage	Usage	Usage	Usage	Usage	Usage	Usage	Usage	Usage	Usage	Usage	Usage
Date	Date	Days		CCF	Jan	Feb	Mar	Apr	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	August	Sept	Oct	Nov	Dec	
Cust #95563	2-Dec	10-Jan	39	10	2,290	10										587.18												587	
Loc #69604	10-Jan	14-Feb	35	35	2,710	21	14	-	-	-	-	-	-	-	-	1,626.00	1,084.00	-	-	-	-	-	-	-	-	0	0	2,710	
Harvey Rd.	14-Feb	9-Mar	24	24	2,300	-	15	9	-	-	-	-	-	-	-	-	-	862.50	-	-	-	-	-	-	-	0	0	2,300	
	9-Mar	11-Apr	33	33	1,200	-	22	11	-	-	-	-	-	-	-	-	-	800.00	400.00	-	-	-	-	-	-	0	0	1,200	
	11-Apr	8-May	27	27	3,057	-	-	19	8	-	-	-	-	-	-	-	-	-	-	2,151.22	905.78	-	-	-	-	0	0	3,057	
	8-May	12-Jun	35	35	4,310	-	-	-	23	12	-	-	-	-	-	-	-	-	-	-	2,832.29	1,477.71	-	-	-	0	0	4,310	
	12-Jun	10-Jul	28	28	4,190	0	-	-	0	18	10	-	-	-	-	-	-	-	-	-	-	2,693.57	1,496.43	-	-	0	0	4,190	
	10-Jul	9-Aug	30	30	6,840	0	0	-	0	0	21	9	-	-	-	-	-	-	-	-	-	-	4,788.00	2,052.00	-	0	0	6,840	
	9-Aug	5-Sep	27	27	3,070	0	0	0	0	0	0	22	5	-	-	-	-	-	-	-	-	-	-	2,501.48	568.52	-	-	3,070	
	5-Sep	4-Oct	29	29	3,400	0	0	0	0	0	0	0	25	4	0	0	-	-	-	-	-	-	-	-	2,931.03	468.97	-	-	3,400
	4-Oct	5-Nov	32	32	2,300	0	-	-	-	-	-	-	0	27	5	-	-	-	-	-	-	-	-	-	-	1,940.63	359.38	-	2,300
	5-Nov	5-Dec	30	30	2,080	0	-	-	-	-	-	-	0	0	25	5	-	-	-	-	-	-	-	-	-	-	1,733.33	346.67	2,080
	5-Dec	4-Jan	30	26	2,360	0	-	-	-	-	-	-	0	0	0	26	-	-	-	-	-	-	-	-	-	-	-	2,045.33	2,045
	4-Jan	22-Jan	18	-	-	0	-	-	-	-	-	-	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	
					40,107	31	29	31	30	30	31	31	30	31	30	31	2,213	2,522	1,663	2,551	3,738	4,171	6,284	4,553	3,500	2,410	2,093	2,392	38,090

Cust #95615 Loc #69656 Mammoth Rd.	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec	
	2-Dec	10-Jan	39	10	12,900	10											3,307.69										3,308		
	10-Jan	10-Feb	31	31	16,200	21	10	-	-	-	-	-	-	-	-	-	10,974.19	5,225.81								0	0	16,200	
	10-Feb	9-Mar	28	28	11,300		19	9										7,667.86	3,632.14		5,500.00					0	0	11,300	
	9-Mar	11-Apr	33	33	16,500			22	11										11,000.00							0	0	16,500	
	11-Apr	8-May	27	27	13,700			-	19											5,500.00	4,059.26					0	0	13,700	
	8-May	7-Jun	30	30	16,800				23	7										9,840.74	12,880.00	3,920.00				0	0	16,800	
	7-Jun	6-Jul	29	29	19,100				0		23	6											3,951.72				0	0	19,100
	6-Jul	9-Aug	34	34	26,000	0	0				25	9										15,148.28				0	0	26,000	
	9-Aug	5-Sep	27	27	17,900	0	0	0			0	22	5										19,117.65	6,882.35				17,900	
	5-Sep	4-Oct	29	29	17,600	0		0	0		0	0	25	4	0	0								14,585.19	3,314.81			17,600	
	4-Oct	5-Nov	32	32	16,500	0					0		0	27	5									15,172.41	2,427.59			16,500	
	5-Nov	5-Dec	30	30	14,500	0					0			0	25	5								13,921.88	2,578.13			14,500	
	5-Dec	4-Jan	30	26	14,800	0					0			0	26											12,083.33		14,800	
	4-Jan	22-Jan	18	-	-	0					0			0	0													12,827	
					213,800	31	29	31	30	31	30	31	31	30	31		14,282	12,894	14,632	15,141	16,939	19,068	23,069	21,468	18,487	16,349	14,661	15,243	202,234

	Beg Date	End Date	Days	CCF	Days Jan	Days Feb	Days Mar	Days Apr	Days May	Days June	Days July	Days August	Days Sept	Days Oct	Days Nov	Days Dec	Usage Jan	Usage Feb	Usage Mar	Usage Apr	Usage May	Usage June	Usage July	Usage August	Usage Sept	Usage Oct	Usage Nov	Usage Dec	
Cust #95741 Loc #69798 Rockingham @ Coteville Rd	2-Dec	9-Jan	38	9	517	9											122.45	-	-	-	-	-	-	-	-	-	-	122	
	9-Jan	9-Feb	31	31	485	22	9	-	-	-	-	-	-	-	-	-	344.19	140.81	-	-	-	-	-	-	-	0	0	485	
	9-Feb	9-Mar	29	29	724	-	20	9	-	-	-	-	-	-	-	-	-	499.31	224.69	-	-	-	-	-	-	0	0	724	
	9-Mar	9-Apr	31	31	1,186	-	-	22	9	-	-	-	-	-	-	-	-	-	841.68	344.32	-	-	-	-	-	0	0	1,186	
	9-Apr	8-May	29	29	4,712	-	-	-	21	8	-	-	-	-	-	-	-	-	-	3,412.14	1,299.86	-	-	-	-	0	0	4,712	
	8-May	7-Jun	30	30	833	-	-	-	-	23	7	-	-	-	-	-	-	-	-	-	638.63	194.37	-	-	-	0	0	833	
	7-Jun	6-Jul	29	29	1,007	0				0	23	-	-	-	-	-	-	-	-	-	-	798.66	-	-	-	0	0	1,007	
	6-Jul	6-Aug	31	31	1,370	0	0				0	25	6	-	-	-	-	-	-	-	-	-	1,104.84	265.16	-	0	0	1,370	
	6-Aug	5-Sep	30	30	1,106	0	0				0	0	25	5	-	-	-	-	-	-	-	-	-	-	-	-	-	1,106	
	5-Sep	4-Oct	29	29	866	0		0			0		0	25	4	0	0	-	-	-	-	-	-	-	746.55	119.45	-	-	866
	4-Oct	5-Nov	32	32	524	0			0		0		0	27	5	0	-	-	-	-	-	-	-	-	442.13	81.88	-	-	524
	5-Nov	5-Dec	30	30	472	0					0		0	25	5	5	-	-	-	-	-	-	-	-	-	393.33	78.67	-	472
	5-Dec	4-Jan	30	26	509	0					0		0	26	0	26	-	-	-	-	-	-	-	-	-	-	441.13	441	
	4-Jan	22-Jan	18	-	-	0					0		0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-
					14,311	31	29	31	30	31	30	31	31	30	31	31	467	640	1,066	3,756	1,938	993	1,313	1,187	931	562	475	520	13,849
Cust #143619 Loc #207920 Pine Ave. Meter Pit	2-Dec	9-Jan	38	9	79	9											18.71	-	-	-	-	-	-	-	-	-	-	19	
	9-Jan	9-Feb	31	31	86	22	9	-	-	-	-	-	-	-	-	-	61.03	24.97	-	-	-	-	-	-	-	0	0	86	
	9-Feb	14-Mar	34	34	91		20	14	-	-	-	-	-	-	-	-	-	53.53	37.47	-	-	-	-	-	-	0	0	91	
	14-Mar	12-Apr	29	29	76	-	-	17	12	-	-	-	-	-	-	-	-	-	44.55	31.45	-	-	-	-	-	0	0	76	
	12-Apr	8-May	26	26	89	-		18	8	-	-	-	-	-	-	-	-	-	-	61.62	27.38	-	-	-	-	0	0	89	
	8-May	7-Jun	30	30	287	-		-	23	7	-	-	-	-	-	-	-	-	-	-	220.03	66.97	-	-	-	0	0	287	
	7-Jun	6-Jul	29	29	732	0			0	23	-	-	-	-	-	-	-	-	-	-	-	580.55	151.45	-	-	0	0	732	
	6-Jul	9-Aug	34	34	501	0	0			0	6	25	9	-	-	-	-	-	-	-	-	368.38	132.62	-	-	0	0	501	
	9-Aug	5-Sep	27	27	316	0	0	0		0	0	22	5	4	0	0	-	-	-	-	-	-	257.48	58.52	-	-	-	316	
	5-Sep	4-Oct	29	29	291	0		0	0	0	0	0	25	4	0	0	-	-	-	-	-	-	-	250.86	40.14	-	-	291	
	4-Oct	5-Nov	32	32	113	0			0		0		0	27	5	5	-	-	-	-	-	-	-	-	95.34	17.66	-	113	
	5-Nov	5-Dec	30	30	106	0			0		0		0	25	5	5	-	-	-	-	-	-	-	-	-	88.33	17.67	106	
	5-Dec	4-Jan	30	26	109	0			0		0		0	26	5	26	-	-	-	-	-	-	-	-	-	-	94.47	94	
	4-Jan	22-Jan	18	-	-	0			0		0		0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-
					2,876	31	29	31	30	31	30	31	31	30	31	31	80	78	82	93	247	648	520	390	309	135	106	112	2,801
Cust #95683 Loc #69736 Patten and County Rd.	2-Dec	9-Jan	38	9	1,200	9											284.21	-	-	-	-	-	-	-	-	-	-	284	
	9-Jan	9-Feb	31	31	1,460	22	9	-	-	-	-	-	-	-	-	-	1,036.13	423.87	-	-	-	-	-	-	-	0	0	1,460	
	9-Feb	9-Mar	29	29	1,100	-	20	9	-	-	-	-	-	-	-	-	-	758.62	341.38	-	-	-	-	-	-	0	0	1,100	
	9-Mar	9-Apr	31	31	1,320	-	-	22	9	-	-	-	-	-	-	-	-	-	936.77	383.23	-	-	-	-	-	0	0	1,320	
	9-Apr	8-May	29	29	1,870	-	-	-	21	8	-	-	-	-	-	-	-	-	-	1,354.14	515.86	-	-	-	-	0	0	1,870	
	8-May	7-Jun	30	30	1,780	-		-	23	7	-	-	-	-	-	-	-	-	-	-	1,364.67	415.33	-	-	-	0	0	1,780	
	7-Jun	6-Jul	29	29	2,490	0			0	23	6						-	-	-	-	-	1,974.83	515.17	-	-	0	0	2,490	
	6-Jul	6-Aug	31	31	3,610	0	0			0	25	6	-	-	-	-	-	-	-	-	-	-	2,911.29	698.71	-	0	0	3,610	
	6-Aug	5-Sep	30	30	2,480	0	0	0		0	0	25	5	4	0	0	-	-	-	-	-	-	-	2,066.67	413.33	-	-	2,480	
	5-Sep	4-Oct	29	29	2,000	0		0	0	0	0	0	25	5	0	0	-	-	-	-	-	-	-	-	1,724.14	275.86	-	2,000	
	4-Oct	5-Nov	32	32	1,420	0			0		0		0	27	5	5	-	-	-	-	-	-	-	-	1,198.13	221.88	-	1,420	
	5-Nov	5-Dec	30	30	1,260	0			0		0		0	27	5	5	-	-	-	-	-	-	-	-	-	1,050.00	210.00	1,260	
	5-Dec	4-Jan	30	26	1,120	0			0		0		0	25	5	26	-	-	-	-	-	-	-	-	-	-	970.67	971	
	4-Jan	22-Jan	18	-	-	0			0		0		0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-
					23,110	31	29	31	30	31	30	31	31	30	31	31	1,320	1,182	1,278	1,737	1,881	2,390	3,426	2,765	2,137	1,474	1,272	1,181	22,045
Cust #107225 Loc #200376 Donald Street	2-Dec	9-Jan	38	9	3,300	9											781.58	-	-	-	-	-	-	-	-	-	-	782	
	9-Jan	9-Feb	31	31	3,200	22	9	-	-	-	-	-	-	-	-	-	2,270.97	929.03	-	-	-	-	-	-	-	0	0	3,200	
	9-Feb	9-Mar	29	29	2,800	-	20	9	-	-	-	-	-	-	-	-	-	1,931.03	868.97	-	-	-	-	-	-	0	0	2,800	
	9-Mar	9-Apr	31	31	3,300	-	-	22	9	-	-	-	-	-	-	-	-	-	2,341.94	958.06	-	-	-	-	-	0	0	3,300	
	9-Apr	8-May	29	29	6,300	-		-	21	8	-	-	-	-	-	-	-	-	-	4,562.07	1,737.93	-	-	-	-	0	0	6,300	
	8-May	7-Jun	30	30	8,300	-		-	23	7	-	-	-	-	-	-	-	-	-	-	6,363.33	1,936.67	-	-	-	0	0	8,300	
	7-Jun	6-Jul	29	29	13,400	0			0	23	6						-	-	-	-	-	10,627.59	2,772.41	-	-	0	0	13,400	
	6-Jul	6-Aug	31	31	19,600	0	0			0	25	6	-	-	-	-	-	-	-	-	-	15,806.45	3,793.55	-	-	0	0	19,600	
	6-Aug	5-Sep	30	30	13,800	0	0	0		0	0	25	5	4	0	0	-	-	-	-	-	-	-	-	-	-	-	-	13,800
	5-Sep	4-Oct	29	29	8,300	0		0	0		0	0	25	5	0</														

SW-file

21-022, 2022-03-21, exh. 5
BOARD OF WATER COMMISSIONERS



MANCHESTER WATER WORKS

281 LINCOLN ST., MANCHESTER, NEW HAMPSHIRE 03103-5093 Tel. (603) 624-6494

C. ARTHUR SOUCY
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THOMAS M. BOWEN, P.E.
Director and Chief Engineer

ROBERT BEAURIVAGE, P.E.
Asst. Director

May 19, 2003

Mr. Stephen J. Densberger
Executive Vice President
Pennichuck Water
PO Box 448
Nashua, NH 03061-0448

RE: AMENDED WHOLESALE WATER AGREEMENT

Dear Steve:

Enclosed is a fully executed copy of the subject Agreement.

MWW looks forward to continuing our relationship as your wholesale provider.

Sincerely,

Thomas M. Bowen, P.E.
Director

Enclosure

**AMENDED PENNICHUCK WATER WORKS, INC.
WHOLESALE WATER AGREEMENT**

Agreement made and entered into this 21st day of March, 1997 ("Agreement"), and amended as of Feb 3rd, 2003 by and between the MANCHESTER WATER WORKS ("MWW"), a duly established municipal water works, and Pennichuck Water Works, Inc. ("Pennichuck"), a New Hampshire corporation.

Recitals.

1. MWW and Pennichuck have existing waterworks systems;
2. Pennichuck desires to purchase from MWW certain volumes of water on a wholesale basis;
3. MWW has supplied water to Consumers New Hampshire Water Company and subsequently Pennichuck under a Wholesale Water Contract dated October 29, 1987 amended May 25, 1988, March 25, 1989 and March 21, 1997, and due to expire March 21, 2022, which contract each party wishes to terminate;
4. In or around November 1997, Consumers assigned its rights under the Wholesale Water Contract to the Town of Hudson, to which MWW consented. In or around April 1998, the Town of Hudson assigned its rights under the Wholesale Water Contract to Pennichuck, to which MWW consented.
5. MWW and Pennichuck have determined to enter into this legally binding Agreement to establish the conditions for wholesale supply of water.
6. The terms of this Agreement will be submitted to the NHPUC for and subject to its approval.

NOW THEREFORE, in consideration of the mutual promises and covenants herein set forth, and in order to secure the services described below, the parties hereto, each binding itself, its respective representatives, successors, and assigns, agree as follows:

ARTICLE 1. SHORT TITLE, DEFINITIONS AND INTERPRETATIONS

Section 101. Short Title. This Agreement may be referred to as the "Pennichuck Wholesale Water Agreement".

Section 102. Meanings and Construction.

102.1. Definitions. For all purposes of this Agreement, including any amendments, the terms shall have the meanings set forth below.

102.1.1. "Anniversary Date" means the day and month on which the Agreement was signed in each year.

102.1.2. "Average Daily Flow" means the total volume of water measured in gallons or cubic feet at a metering station or stations during two consecutive monthly billing periods divided by the actual number of days in the two billing periods.

102.1.3. "Fire Flow" means the flow described in section 201.3.1.

102.1.4. "Maximum Daily Flow" means the highest total volume of water measured in gallons or cubic feet at a metering station or stations over any consecutive twenty-four (24) hour period.

102.1.5. "MSDC" means the Merrimack Source Development Charge which is a capital charge for contribution for the development of new water sources to maintain and extend service in circumstances of growing demand.

102.1.6. "NHPUC" means the Public Utilities Commission of the State of New Hampshire.

102.1.7. "Period" means any length of time.

102.1.8. "Person" means any individual, firm, company, association, society, corporation, political subdivision, fire district, or group.

102.1.9. "Waterworks" means facilities for collection, storage, supply, distribution, treatment, pumping, metering, or transmission of water.

Section 103. Construction. This Agreement, except where the context clearly indicates otherwise, shall be construed as follows:

103.1 Definitions include both singular and plural;

103.2 Pronouns include both singular and plural and include both genders.

Section 104. Governing Law. This Agreement shall be governed by the laws of the State of New Hampshire.

ARTICLE 2. TERMS OF SUPPLY

Section 201. Obligations of Pennichuck. Pennichuck agrees to the following obligations and limitations made in return for MWW's agreement to permit connection and supply of water into Pennichuck's waterworks.

201.1. Limitation of Rights. Nothing in this Agreement is intended as a grant by MWW of any exclusive right or privilege.

201.2. Charges and Fees. Pennichuck shall make timely payment of all charges described in this Agreement in accordance with Sections 305, 306 and 307 below.

201.3 Quantity of Water. Pennichuck shall limit its usage of MWW's waterworks to the following:

Average Daily Flow - 2.1 Million Gallons Per Day

Maximum Daily Flow - 3.5 Million Gallons Per Day

MWW shall have no responsibility to supply water in excess of these stated amounts.

201.3.1 Fire Flow. In consideration of the rate per million gallons charged to Pennichuck pursuant to Section 302.1, MWW shall take reasonable measures to provide Fire Flow to Pennichuck of 750 gallons per minute. MWW shall have no obligation to provide Fire Flows in excess of 750 gallons per minute nor does it guarantee adequate Fire Flow or any aspect of fire service.

201.4 Assignment and Sale. Pennichuck may (i) assign its contract right to the quantities of water specified in Section 201.3 to another Person or (ii) sell water purchased pursuant to this Agreement to Persons located outside of or transporting water outside of the geographic areas for which it has or obtains NHPUC water service franchise authority, only with MWW's written consent, which consent shall not be unreasonably withheld.

201.5. Control of System Leaks and Wasteful Use. Pennichuck shall operate and maintain its waterworks in accordance with customary engineering practices and with the guidelines set forth below.

201.5.1. Pennichuck shall minimize any wasteful use of water within its service area.

201.5.2. In any period in which Pennichuck receives water pursuant to this Agreement, Pennichuck shall impose the same voluntary or mandatory restrictions on water use by its customers (e.g. sprinkling bans) as MWW shall impose on its customers within one week of such imposition by MWW. The imposition and re-

removal of any restrictions shall be within the sole and exclusive discretion of MWW, but nothing in this Agreement shall prevent Pennichuck from imposing its own restrictions which are more restrictive than those imposed by MWW.

201.6. Conformance of Law. Pennichuck shall comply and shall ensure that its customers and any private water systems connected to Pennichuck waterworks comply with all applicable laws of the United States and of the State of New Hampshire, including but not limited to all rules and regulations of the New Hampshire Department of Environmental Services, and all applicable rules and regulations of the NHPUC. If Pennichuck fails to comply with this Section 201 after written notice from MWW, MWW may discontinue all services to Pennichuck until such time as Pennichuck demonstrates its compliance with this Section.

201.7. Quality of Water. MWW shall supply water meeting the drinking water quality criteria established from time to time by the United States Environmental Protection Agency and the State of New Hampshire.

Section 202. Obligations of MWW. MWW agrees to the following obligations and limitations in return for the timely payment by Pennichuck of the charges specified in this Agreement.

202.1. Metering Point. MWW shall supply water to Pennichuck at one or more of the following locations subject to the limitations contained herein.

- A. The intersection of Joanne Dr. and Londonderry Turnpike, Hooksett.
- B. The intersection of Harvey Rd. and Burton Dr., Londonderry.
- C. The intersection of Mammoth Rd. and Rockingham Rd., Londonderry.
- D. The intersection of Seasons Lane and Rockingham Rd., Londonderry.

- E. The intersection of County Road and Patton Road, Bedford.
- F. To the east of the intersection of Donald Street and Route 114 at the Donald Street pumping station, Bedford.

Additional metering points may be added by mutual agreement and subject to the provisions of this Agreement.

202.2 Measurement of Flows. The measurement of water delivered to Pennichuck shall be undertaken by MWW. Such flow measurements shall be made by one or more metering devices placed at locations selected by MWW.

202.3. Construction of Connection. Any and all connections between MWW's waterworks and Pennichuck's waterworks, including modifications or upgrades which may be necessary to effectuate this Agreement, including but not limited to meter vaults and metering devices, shall be designed by MWW, reviewed with Pennichuck for reasonableness, and constructed by MWW, and/or any subcontractors as MWW shall choose to employ, such decision to be made at MWW's sole discretion. The cost of all construction undertaken to construct, modify or upgrade the connection of MWW's waterworks to Pennichuck's waterworks, including the purchase of metering devices and appurtenances, shall be paid by Pennichuck. The necessity of and selection of all materials and equipment and the location thereof shall be within the sole discretion of MWW.

202.4. Ownership of Connection Facilities. MWW shall own all pipes laid from its presently existing waterworks to within ten (10) feet of the outside wall of the metering vault and it shall own the metering device. All other waterworks, piping, and vaults constructed to make the connection necessary to effectuate this Agreement shall be the property of Pennichuck and shall be maintained by Pennichuck in a manner satisfactory to MWW.

202.5. Maintenance of Metering Devices.

202.5.1. Any and all metering devices installed pursuant to this Agreement shall be inspected and calibrated in the manner provided by regulations of the NHPUC at MWW expense. A copy of any inspection and calibration reports shall be filed at MWW's offices and shall be available for examination by Pennichuck at the offices of MWW during normal business hours.

202.5.2. Pennichuck may request MWW to test and certify as to the accuracy of any metering device at any time. If the metering device reads within specifications accepted by the NHPUC, the cost of such tests shall be borne by Pennichuck. If the average error over different test rates is greater than that allowed by the NHPUC, the cost of the tests shall be paid by MWW. Any adjustments will be made in accordance with NHPUC regulations.

202.5.3. In the case of missing or inaccurate flow records, due to faulty metering device operation or other circumstances, an estimate of flow shall be made by MWW based on past records for a comparable period. The estimates shall be used by MWW to calculate the payments due from Pennichuck. Such payments shall be subject to the provisions of Sections 303, 304, 305, 306 and 307 hereof below.

202.6 Record, Accounts and Audits. MWW shall maintain records of all financial transactions with Pennichuck, and these records shall be available for inspection by Pennichuck or any customer of Pennichuck at the office of MWW during normal business hours. Said records shall be available for inspection by other parties only upon presentation to MWW of a written authorization from Pennichuck. The financial statements of MWW shall be available for inspection by Pennichuck within a reasonable time after it has been accepted by the MWW's Board of Water Commissioners.

Section 203. Responsibility for System Operation and Maintenance. MWW assumes no responsibility for operation and maintenance of waterworks constructed and owned by Pennichuck including those described in Sections 202.3 and 202.4 hereof. MWW's sole duty hereunder shall be to supply water up to the maximum amounts specified in Section 201.3 at the locations specified in Section 202.1 subject to the terms and conditions contained herein.

Section 204. Limitation of Liability.

204.1 Liability for Non-Negligent Acts. If MWW shall be unable to supply some or all of the water demanded by Pennichuck under this Agreement for any reason other than MWW's own negligence, MWW shall not be liable to Pennichuck for any damages arising out of such failure to supply water. Pennichuck hereby waives any rights it might have to any damages.

204.2 Impairment of Supply. Existing customers of MWW have first right to any water supplied by MWW, and this Agreement shall not impair the supply of water to them. If MWW is unable to supply both its other customers and Pennichuck with water for any reason other than the negligence of MWW, Pennichuck cannot compel MWW to supply it with water, nor shall it be entitled to any damages as a result of MWW's failure to supply it with water. In addition, MWW cannot be compelled to furnish Pennichuck with water if MWW's waterworks or the source upon which MWW is dependent for its supply of water is impaired, and Pennichuck shall be entitled to no damages as a result of MWW's failure to supply it with water. MWW shall be the sole judge as to whether the water available to it is adequate to supply both Pennichuck and MWW's other customers and whether MWW's waterworks or source of supply is impaired. MWW judgment shall be reasonable. MWW's decision shall be final and binding on Pennichuck. Notwithstanding the foregoing, if MWW reduces the amount of

water which it supplies to Pennichuck pursuant to this Section 204.2, such reduction shall be proportionally equal to reductions made to other wholesale customer of MWW, based on the average amount of water received by each wholesale customer during the ninety (90) days preceding such reduction.

204.3 Liability for Accident. Neither MWW nor Pennichuck shall be liable in damages or otherwise for failure to perform any obligation under this Agreement, which failure is occasioned by or in consequence of any act of God, act of public enemy, wars, blockades, insurrections, riots, epidemics, landslides, lightning, earthquakes, drought, fires, storms, floods, winter freeze, washouts, vandalism, arrests and restraints of rulers and peoples, civil disturbances, labor strikes, power failures, explosions, breakage or accident to machinery or lines of pipe, failure or want of water supply, the binding order of any court or governmental authority which has been resisted in good faith by all reasonable legal means, and any other cause, whether of the kind herein enumerated or otherwise, not within the control of such party and which act, omission or circumstances such party is unable to prevent or overcome by the exercise of reasonable care.

204.4 Liability Resulting from Negligence. Neither Pennichuck nor MWW shall be relieved of liability for loss resulting from its negligence, intentional actions, or its failure to use due diligence to remedy the situation and remove the cause in an adequate manner and with all reasonable dispatch, nor shall such causes or contingencies affecting performance relieve Pennichuck from its obligations to make payments of amounts then due with respect to water theretofore supplied.

204.5 Pennichuck's Liability for Capital Expenditures and for Water Supplied. Nothing herein shall be construed as relieving Pennichuck under any circum-

stances from its duty to pay for capital expenditures made by MWW pursuant to Section 202.3 hereof or for water supplied pursuant to this Agreement.

Section 205. Indemnification and Insurance. Pennichuck shall exonerate, indemnify and save harmless MWW from all claims and demands for injuries to Persons, loss of life, damage to property or other losses arising out of or connected with the performance of this Agreement in Londonderry and Hooksett, New Hampshire, which MWW is legally bound to pay excepting, however, such claims and demands as shall result from negligence on the part of MWW. The phrase "claims and demands" shall include, but shall not be limited to, damages, judgments, settlements, costs and defense of legal actions, claims or proceedings and appeal therefrom. Pennichuck shall maintain liability insurance in the amount of \$1,000,000 bodily injury and property damage (each occurrence), together with a \$1,000,000 umbrella policy. Pennichuck agrees to furnish certificate(s) of the above-mentioned insurance to the City of Manchester within fourteen (14) days from the date of this agreement and, with respect to the renewals of the current insurance policies, at least thirty (30) days in advance of each renewal date. Such certificates shall name the City of Manchester and the Manchester Water Works as an additional insured (except Workers Compensation) and shall state that in the event of cancellation or material change, written notice shall be given to the City of Manchester, Manchester Water Works, 281 Lincoln Street, Manchester, New Hampshire, 03103, at least thirty (30) days in advance of such cancellation or change. For its part, MWW agrees to and does exonerate, indemnify and save harmless Pennichuck from all claims or demands for injuries to Persons, loss of life, damage to property or other losses arising out of or connected with the performance of this Agreement to the extent such claims and demands resulted from the negligence or fault of MWW.

Section 206. Notices. All notices and other writings sent pursuant to this

Agreement shall be addressed to the Director of MWW at:

Manchester Water Works
Attention: Director
281 Lincoln Street
Manchester, NH 03103

and to Pennichuck at:

Pennichuck Water Works Attention: President
4 Water Street P.O. Box 448
Nashua, NH 03061-0448

or at such other address as is indicated by written notice to the other party.

ARTICLE 3. PAYMENTS FOR SERVICES

Section 301. Basis for Payments. Pennichuck shall pay MWW for each gallon of water supplied to Pennichuck at the locations stated in Section 202.1 hereof at the rate specified in Section 302 and 304 and subject to the Merrimack Source Development Charge (MSDC) specified in Section 303 hereof. Payment shall be made in accordance with the provisions of Sections 305, 306 and 307 hereof. The volume of water supplied to Pennichuck shall be determined by means of one or more metering devices which shall meet all the requirements of Federal and State law, and which shall be owned, installed and maintained by MWW at one or more locations selected by it in its discretion.

Section 302. Rates.

302.1 Rate Per Gallon. The rate charged for water supplied to Pennichuck shall be \$0.778 per hundred cubic feet (\$1,040.13 per million gallons) at those sites where MWW provides Fire Flow capacity and shall be \$0.596 per hundred cubic feet (\$796.86 per million gallons) at those sites where MWW does not provide Fire Flow capacity.

At such time as Pennichuck constructs facilities for the purpose of providing its own Fire Flow capacity such that it no longer requires the Fire Flow established in Section 201.3.1 at a site, the rate charged for water at that site shall be adjusted to a rate of \$0.595 per CCF (\$796.07 per million gallons). Pennichuck shall provide to MWW written documentation of the completion of such construction and of the date of its completion.

302.2 Service Charge. The monthly charge shall be as follows in accordance with MWW rate schedule and based upon the size of the meter or meters required by Pennichuck.

3"	\$ 24.95
4"	\$ 35.53
6"	\$ 59.14
8"	\$100.25

302.3 Adjustments in Rate. The rates and charge established in Section 302.1 and 302.2 shall be adjusted each time MWW establishes a new permanent rate for MWW's customers being served outside the City of Manchester. The adjustment in the rate charged under this Agreement shall be equal to the percentage by which the order of the MWW Board of Water Commissioners increases or decreases the monthly total of the metered water rate and other charges that would be charged to an industrial customer of MWW located outside the City of Manchester who uses 2.1 million gallons per day and whose water from MWW is metered at a single location by the same number and size of water meters that are used to meter the water transported to Pennichuck by MWW at the date of the order of the MWW Board of Water Commissioners. Such increases in the rate charged under the Agreement shall be effective as of the same date on which the increase in rates charged to customers residing outside the City of Manchester is effective.

Section 303. MSDC. Pennichuck shall pay MWW a source development charge of \$1.14 for each gallon of the 2.1 million gallons of the average daily flow specified in Section 201.3 ("MSDC"), in accordance with and subject to the following:

303.1 Payment. Beginning in 1997 and for the duration of this Agreement, Pennichuck shall pay MSDC annually, on or before January 15 of each year, for additional Average Daily Flow at a rate of \$1.14 per gallon. Such amount shall be determined annually based upon Pennichuck's estimate of the increase in the Average Daily Flow from the Average Daily Flow for which Pennichuck has previously made MSDC payment, but in no event shall the estimated increase in Average Daily Flow equal less than 3% of the Average Daily Flow for which Pennichuck has previously made MSDC payment. Should the actual Average Daily Flow for which payment was made in January of that year exceed the estimated Average Daily Flow for which payment was made in January of that year, Pennichuck will promptly pay MSDC for the full amount of the difference between the estimated increase and the actual increase in Average Daily Flow. Should the actual increase in Average Daily Flow be less than the estimated increase, the difference between the two will be credited against the MSDC payment for the succeeding year. Payments shall be made by Pennichuck for the duration of this Agreement until the contractual limit of Average Daily Flow capacity is reached.

The 1997 refund, if any, due Pennichuck from MWW pursuant to the October 29, 1987 Wholesale Water Agreement, as amended, shall be made within forty-five (45) days of receipt of notice of NHPUC approval of this Agreement. Except as specified in the preceding sentence and in paragraph 303.3 of this Agreement, no refund of MSDC payments shall be required of MWW.

303.2 It is intended that the total payments to MWW under this Section

303 shall not exceed \$2,394,000, representing 2.1 MGD unless the \$1.14 per gallon rate is adjusted by the MWW Board of Water Commissioners for all customers subject to the MSDC. MWW shall provide Pennichuck ninety (90) days written notice of any proposed change to the MSDC rate. Within this 90 day period, Pennichuck shall have the option to purchase any or all of its remaining 2.1 MGD allotment at the rate of \$1.14 per gallon.

303.3 Under no circumstances shall Pennichuck be entitled to any reimbursement of any payment made under this Section 303, except to the extent and in the manner that customers of MWW receive reimbursement of the Merrimack Source Development Charge or in accordance with an order of the NHPUC.

Section 304. Emergency Use. Should Pennichuck require water from MWW in excess of the limits allocated in Section 201.3 and MWW in its absolute discretion agrees to supply such water to Pennichuck, Pennichuck shall pay a rate equal to two (2) times the rate specified in Section 302.1 for each gallon in excess of the Average Daily Flow or Maximum Daily Flow, as the case may be, allocated in Section 201.3 which Pennichuck consumes. Nothing in this section, however, shall be construed as giving Pennichuck a right to any water in excess of the limits specified. MWW shall have sole and exclusive discretion as to the determination of the availability of water in excess of the amount stated in Section 201.3, and the determination of the length of any prolonged emergency use.

Section 305. Billing Cycle. MWW shall bill Pennichuck on a monthly basis in arrears for amounts due under Section 302. Payment on bills shall be due upon presentation.

Section 306. Delinquent Bills. Bills remaining unpaid for thirty (30) days or longer from the billing date shall be subject to one and one-half (1 1/2) percent interest

per month on the unpaid balance from the original due date. If bills or payments to be made pursuant to this agreement remain unpaid for thirty (30) days or longer after the due date, MWW may issue a notice of intent to discontinue service to Pennichuck and to the NHPUC. If the bill remains unpaid for five (5) days or longer after the date of the notice of intent to discontinue service described above, all supply of water by MWW to Pennichuck shall cease and said supply shall not be renewed until all outstanding bills are paid in full at the office of MWW. In lieu of such discontinuance, MWW may require Pennichuck to post a deposit and make payments more frequently than at monthly intervals.

Section 307. Charge for Resumption of Service. If MWW ceases to supply water to Pennichuck pursuant to Section 201.6 or Section 306 above, MWW may impose a reasonable charge for resumption of said supply of water.

Section 308. Expansion and/or Upgrading of MWW. In all cases, MWW shall be the sole judge as to all improvements, additions or expansions to its waterworks, provided that the undertaking of such improvements, additions or expansions does not impair the ability of MWW to provide water to Pennichuck pursuant to this Agreement.

Section 309. Capital Expenditures. Pennichuck shall pay for any capital expenditures made by MWW which MWW reasonably believes are necessary or advisable in order to provide or continue services to Pennichuck under this Agreement, whether or not such expenditures are made within or without the boundaries of Pennichuck; provided, however, that MWW shall give written notice to Pennichuck of any such capital expenditure at least six months prior to the need for funds to be available. Said notice shall include a brief description of the purpose of the capital expenditure, its total costs and Pennichuck's pro rata share of the total costs. Pennichuck shall have sixty (60) days from the date of said notice in which to commit itself to pay or to refuse to pay its

pro rata share of the capital expenditure as stated in said notice. A refusal by Pennichuck to pay its pro rata share of the capital expenditure as stated in said notice must be made in writing in accordance with Section 206 hereof. Failure by Pennichuck to notify MWW in writing within sixty (60) days after the date of said notice that Pennichuck refuses to pay its pro rata share of the capital expenditure as stated in said notice shall constitute a commitment by Pennichuck to pay said pro rata share. If Pennichuck has failed to properly notify MWW and refuses to pay its pro rata share of the capital expenditure, this Agreement shall terminate at the end of the quarter in which such refusal shall be made in accordance with Section 407 hereof.

ARTICLE 4. ASSIGNMENT, AMENDMENT AND TERMINATION

Section 401. Amendment. The provisions, terms and conditions of this Agreement may be modified only by written amendments, executed with the same formality as this Agreement.

Section 402. Assignment. Except as provided in section 201.4, no assignment by Pennichuck of its rights or duties under this Agreement shall be binding on MWW, unless MWW consents to such an assignment in writing.

Section 403. Waiver. Failure of either party hereto to exercise any right hereunder shall not be deemed a waiver of such party to exercise at some future time said rights or another right it may have hereunder.

Section 404. Date Effective, Supersession and Duration. Subject to approval of the NHPUC, this Agreement shall be effective as of the date first written above. Upon receipt of NHPUC approval, this Agreement shall supersede and replace all prior agreements between the parties with respect to the subject matter hereto, including the Southern New Hampshire Water Company Wholesale Water Agreement dated October

29, 1987, as amended, which shall be considered terminated and have no further force or effect from the date of execution of this Agreement (or such later date as may be determined by the NHPUC), except with respect to any refund of MSDC payments due in 1997. This Agreement does not supersede and replace the Southern New Hampshire Water Company Wholesale Water Connection Construction Agreement dated as of October 29, 1987. This Agreement shall be in full force and effect and shall be exclusive and binding on the parties for 25 years from _____, 2003, as long as Pennichuck is not in default of its obligations hereunder. It is the intent of both parties that on or before the expiration of the term of this Agreement, this Agreement will be renegotiated and extended upon terms mutually agreeable to both parties. The parties agree to meet to discuss renewal at least three (3) years in advance of the termination of this Agreement. In the event that the parties cannot agree to terms of renewal, and so long as Pennichuck remains a regulated public utility, the matter shall be submitted to the NHPUC, which may act as a mediator in an effort to have the parties reach an agreement.

Section 405. Termination. In the event of unforeseen circumstances which materially alter the circumstances upon which this Agreement is based, either party shall have the right to terminate this Agreement without liability to the other of any sort upon approval by the NHPUC of a petition requesting authority to so terminate this Agreement. Termination of this Agreement by Pennichuck under this Section 405 shall not relieve Pennichuck of its obligation to pay MWW for any services rendered, capital expenditures made pursuant to this Agreement prior to the date of termination or the MSD charge specified in Section 303.

Section 406. Breach. Either party may terminate this Agreement prior to the time specified in Section 404 if the other party has violated any of the covenants un-

dertaken herein, or any of the duties imposed upon it by this Agreement; provided that the party seeking to terminate for such cause shall give the offending party sixty (60) days written notice, specifying the particulars of the violation claimed; and if at the end of such time the party so notified has not removed the cause of complaint, or remedied the purported violation, then the termination of this Agreement shall be deemed complete.

Section 407. Termination Pursuant to Section 309. If this Agreement is terminated pursuant to Section 309 hereof by Pennichuck's refusal to pay its pro rata share of a capital expenditure, Pennichuck shall not be relieved of its obligation to pay MWW for any services rendered or capital expenditures made pursuant to this Agreement prior to its termination, other than those capital expenditures for which Pennichuck refused to pay pursuant to Section 309.

ARTICLE 5. MISCELLANEOUS PROVISIONS

Section 501. Severability. If any clause or provision of this Agreement or application thereof shall be held unlawful or invalid, no other clause or provision or its application shall be affected, and this Agreement shall be construed and enforced as if such unlawful or invalid clause or provision had not been contained herein.

Section 502. Exercise of Judgment. Where MWW is directly or implicitly authorized to exercise its judgment under this Agreement, its judgment shall be valid unless clearly unreasonable.

Section 503. Status of Legal Representatives, Successors, and Assigns. The benefits and burdens of this Agreement shall inure to and be binding upon the respective legal successors to the parties hereto.

Section 504. Third Parties. MWW assumes no responsibility for any facility not included in its waterworks, and in the event that a facility of a third party shall be involved in the furnishing of service to, or the receipt of service from Pennichuck, Pennichuck shall look solely to such third party for any such services. Pennichuck assumes sole responsibility for compliance with this Agreement by all third party users or customers of its waterworks. MWW shall deal directly with Pennichuck which shall, in turn, make certain that all users and customers comply with this Agreement and with all applicable rules and regulations.

Section 505. Disputes, Arbitration. Disputes, including but not limited to those related to supply of water, connection facilities, operation and maintenance, impairment of supply, and charges and payment, shall be submitted to the NHPUC.

IN WITNESS WHEREOF, this Amended Agreement is executed in multiple counterparts each of which shall be deemed an original this 3rd day of February, 2003.

In the Presence of:

Stephany Densberger
Witness

Thomas Brown
Witness

agreement\pww wholesale agr final4-15

PENNICHUCK WATER WORKS, INC.
By its President ~~President~~ CEO

John Kreick

MANCHESTER WATER WORKS
By the Board of Water Commissioners
President

C. Arthur Soucy
C. Arthur Soucy

Manchester Water Works
Rules and Regulations

GENERAL

GENERAL SERVICE, METERED/MANCHESTER
RATE SCHEDULE "GM-M"

AVAILABILITY

These rates are available for general metered service in the City of Manchester.

WATER USAGE RATE

\$1.639 per 100 Cubic Feet (CCF)

SERVICE CHARGE

<u>Meter Size</u>	<u>Quarterly Billing</u>	<u>Monthly Billing</u>
5/8	\$27.50	\$15.02
3/4	35.34	17.61
1	41.70	19.72
1½	69.82	29.12
2	94.48	37.32
3	127.26	48.27
4	188.42	68.64
6	324.94	114.13
8	562.59	193.38
10	938.40	312.76

TERMS OF PAYMENT

- (a) Bills shall be rendered either quarterly or monthly and shall be due and payable upon presentation.
- (b) Where a Utility bill exceeds \$1,000 per quarter, or at the sole discretion of the Utility, bills shall be rendered monthly.
- (c) Late payment charges and other expenses shall be computed as specified under Miscellaneous Charges.

SENIOR DISCOUNT

A 50% discount shall be applied to qualified low income disabled and elderly customers residing in the City of Manchester in accordance with criteria established by the City of Manchester Assessors Office for property tax exemption.

Issued: June 25, 2020

Effective: October 1, 2020

Manchester Water Works
Rules and Regulations

GENERAL

GENERAL SERVICE, METERED/TOWNS
RATE SCHEDULE "GM-T"

AVAILABILITY

These rates are available for general metered service in all areas served outside the City of Manchester.

WATER USAGE RATE

\$1.877 per 100 Cubic Feet (CCF)

SERVICE CHARGE

<u>Meter Size</u>	<u>Quarterly Billing</u>	<u>Monthly Billing</u>
5/8	\$31.62	\$17.27
3/4	40.64	20.25
1	47.95	22.67
1½	80.28	33.48
2	108.64	42.91
3	146.35	55.51
4	216.68	78.92
6	373.68	131.24
8	646.98	222.38
10	1,079.15	359.67

TERMS OF PAYMENT

- (a) Bills shall be rendered either quarterly or monthly and shall be due and payable upon presentation.
- (b) Where a Utility bill exceeds \$1,000 per quarter, or at the sole discretion of the Utility, bills shall be rendered monthly.
- (c) Late payment charges and other expenses shall be computed as specified under Miscellaneous Charges.

SENIOR DISCOUNT

A 50% discount shall be applied to qualified low income disabled and elderly customers residing outside the City of Manchester in accordance with criteria established by the City of Manchester Assessors Office for property tax exemption.

Issued: June 25, 2020

Effective: October 1, 2020

FIRE PROTECTION – PRIVATE/MANCHESTER

RATE SCHEDULE – “FP-P-M”

AVAILABILITY

This rate is available for private fire service in the City of Manchester.

RATES

Rates are based on the size of each fire service pipe as it enters each building and each private fire hydrant on the premises.

	<u>Service Size (in)</u>	<u>Per Quarter</u>	<u>Per Month</u>
For each:	1½ or less	\$ 3.83	\$ 1.24
	2	8.19	2.69
	2½	14.72	4.89
	3	23.83	7.92
	4	50.79	16.90
	5	91.37	30.45
	6	147.59	49.18
	8	314.57	104.83
	10	565.71	188.57
	12	913.80	304.59

TERMS

- (a) Bills shall be rendered either quarterly or monthly, and shall be due and payable upon presentation.
- (b) Late payment charges and other expenses shall be computed as specified under Miscellaneous Charges.

Issued: June 25, 2020

Effective: October 1, 2020

FIRE PROTECTION – PRIVATE/TOWNS

RATE SCHEDULE – “FP-P-T”

AVAILABILITY

This rate is available for private fire service in all areas served outside the City of Manchester.

RATES

Rates are based on the size of each fire service pipe as it enters each building and each private fire hydrant on the premises.

	<u>Service Size (in)</u>	<u>Per Quarter</u>	<u>Per Month</u>
For each:	1½ or less	\$ 4.40	\$ 1.42
	2	9.42	3.09
	2½	16.93	5.62
	3	27.38	9.11
	4	58.41	19.44
	5	105.07	34.99
	6	169.73	56.56
	8	361.76	120.55
	10	650.57	216.86
	12	1,050.87	350.27

TERMS

- (a) Bills shall be rendered either quarterly or monthly, and shall be due and payable upon presentation.
- (b) Late payment charges and other expenses shall be computed as specified under Miscellaneous Charges.

FIRE PROTECTION – MUNICIPAL/TOWNS

RATE SCHEDULE – “FP-M-T”

AVAILABILITY

This rate is available for municipal fire protection in communities served outside of Manchester.

RATE

The charge, billed quarterly in arrears, for municipal fire service to the Town shall be as follows:

Rate per Quarter

\$169.74 per Hydrant

TERMS OF PAYMENT

- (a) Bills shall be rendered quarterly (April, July, October, January), and are due and payable upon presentation.
- (b) Late payment charges and other expenses shall be computed as specified under Miscellaneous Charges.

MISCELLANEOUS SERVICE CHARGES

RATE SCHEDULE – “MSC”

1. Applicability

The charge shall apply to regular service and private fire service provided to all customers.

2. Application Fee for Fire and Domestic Service

(1)	Water Service	\$100.00
(2)	Private Fire Protection	\$ 50.00

3. Late Payment Charge

- (a) A late payment charge shall be added to any bill where payment therefor has not been received by the Utility within thirty (30) days of issuance, and shall be five percent (5%) of any unpaid balance of one dollar (\$1.00) or more.
- (b) The late payment charge shall be applied on a monthly or quarterly basis depending upon the customer's regular billing period.
- (c) Bills are due and payable when rendered and subject to the same shutoff provisions as for nonpayment of bills. Terms are Net 30 Days. A finance charge of 1½% (18% per year) will be charged 30 days after the date of bills.

4. Seasonal Use

A charge of fifty-five dollars (\$55.00) shall be applied to the customer's bill for installing the meter and turning on the water, and a separate charge of fifty-five dollars (\$55.00) shall be applied to the customer's bill for removing the meter and turning off the water.

5. Restoration of Service

A charge of seventy-five dollars (\$75.00) will be collected from a customer when water service or private fire service is restored after being shut off for non-payment of a Utility bill, fraudulent use, or for any other reason specified in this tariff.

Restoration of service “after normal work hours” will be collected from a customer at a charge of two hundred twenty-five dollars (\$225.00).

6. Repairs to Frozen Meters

The Customer shall be charged the full costs of repairing a frozen meter located on his premises, but in no case shall such charge be less than one hundred seventy dollars (\$170.00) for each repair.

Issued: November 21, 2019

Effective: November 21, 2019

Manchester Water Works
Rules and Regulations

7. Collection of Delinquent Bills

A charge of fifty dollars (\$50.00) will be collected from a customer whenever a Utility agent makes collection at a customer's premises for a delinquent bill.

8. Bad Checks

A charge of thirty dollars (\$30.00) shall be applied to a customer's bill whenever the Utility receive a check which is not immediately cleared for deposit by the Utility's financial institution.

9. Testing of Backflow Prevention Devices

A charge shall be applied to a customer's bill for each test conducted by the Utility of the customer's backflow prevention device as follows:

PVB	\$30.00
RPZ	\$75.00
DCVA	\$75.00

10. Hydrants or Other Temporary Service

- (a) The charge for water supplied from the connection in the Utility yard on Lincoln Street or from a hydrant shall be applied as follows:

\$3.00 per 1,000 gallons

In addition, a \$25.00 per load processing charge shall be added to the cost for each load of water taken regardless of the volume.

- (b) The charges for use of any hydrant or other temporary water source shall be as follows:

- | | | |
|-----|---|------------|
| (1) | Application Fee | \$ 15.00 |
| (2) | Adapter deposit (excluding pool filling): | |
| | (i) Hydrant meter | \$1,500.00 |
| | (ii) 2 ½ inch adapter | \$ 250.00 |
| | (iii) ¾ inch adapter | \$ 50.00 |
| (3) | Adapter Installation or Removal During Normal Working Hours | |
| | (i) All adapters and hydrant meter | \$ 30.00 |

Issued: February 20, 2020

Effective: March 1, 2020

Manchester Water Works
Rules and Regulations

- (4) Per diem charges for unmetered use
 - (i) 3/4 inch adapter \$ 15.00
 - (ii) 2½ inch adapter \$ 45.00
 - (iii) Hydrant meter \$ 20.00 plus water used
 - (iv) Water for any other use: the Utility may enter an agreement based on prevailing rates.

- (c) Hydrant Flow Test \$200.00

11. Main Extension Charges

- (a) Application fee for main installation \$200.00
- (b) Administrative fee for non-participating abutters of property under assessment requesting connection to a main pipe previously installed unless covered by specific contract terms and conditions. \$150.00

12. Connection of Service Pipe to a Main Extension

- (A) The following connection charges shall be paid at the time of service application by all customers. The charges, as specified below, shall be based upon the size of the service pipe and meter to be installed.

- (1) The cost of service pipe installation, including labor, material, equipment and overhead expenses. A deposit reflecting such estimated cost shall be paid at the time of service application and any difference shall be refunded to the customer or billed by the Utility.

- (2) A charge for installation of the meter are as follows:

<u>Meter Size</u>	<u>Charge</u>	<u>Frozen</u>
5/8 x 3/4 inch	\$ 280.00	\$ 170.00
3/4 inch	\$ 340.00	\$ 230.00
1 inch	\$ 400.00	\$ 300.00
1½ inch	\$1,140.00	\$ 640.00
2 inch	\$1,270.00	\$ 770.00
>2 inch	AT COST	AT COST

For meters larger than 2 inches, the charge shall equal the cost of the meter and the cost of installation of the meter.

- (3) For meter interface units, meter horns and check valves, the charge shall equal the cost of the equipment plus 10% markup.

Issued: March 25, 2021

Effective: April 1, 2021

Manchester Water Works
Rules and Regulations

Manchester Water Works
Rules and Regulations

Page 31

- (4) A building charge, representing the cost of water used for a billing period during construction prior to meter installation, as follows:

<u>Meter Size</u>	<u>Charge</u>
5/8 x 3/4 inch	\$ 45.00
3/4 inch	\$ 65.00
1 inch	\$105.00
1½ inch	\$210.00
2 inch	\$340.00
>2 inch	\$500.00

13. Miscellaneous Charges

The following charges shall be applied by the Utility for services rendered:

- | | | |
|-----|--|-----------|
| (a) | Final billing on ownership change | \$ 30.00 |
| | Final meter reading charge for ownership change | \$ 30.00 |
| | Reversal of final bill (in event of change to closing) | \$ 30.00 |
| (b) | Home inspections – leaks for unaccounted water during Utility's regular working hours (No charge for first visit within the calendar year) | \$ 30.00 |
| (c) | Emergency request by customer to turn on or shut off water service outside the Utility's regular working hours | \$ 225.00 |
| (d) | Customer requested meter test | \$ 50.00 |
| | If meter found to over-register by more than 3% or under-register per PUC 605-03(d) | NO COST |
| (e) | Duplicate bill fee | \$ 30.00 |
| (f) | Special request fee (i.e. payment history for tax prep) | \$ 15.00 |
| (g) | Check by phone processing charge | \$ 5.00 |
| (h) | Liens –administrative fee | \$ 30.00 |
| | Liens – Recording fee | \$ 12.50 |
| | Liens – Discharge fee | \$ 17.50 |
| (i) | Reading – irrigation water meters – cost per reading | \$ 2.50 |
| (j) | Photocopying – plans – per sheet | \$ 3.00 |
| (k) | 2 nd no show (once the technician leaves the property) | \$ 30.00 |

Issued: October 24, 2019

Effective: October 24, 2019

Manchester Water Works
Rules and Regulations

(n) Water samples:

	<u>Method Used</u>	<u>Price</u>	<u>Container</u>	<u>Turnaround Time (normal)</u>
<u>Metals:</u>				
By Furnace	SM 3113 B	\$12/sample	1L Plastic	7 – 14 days
By Flame	SM 3111 B	\$12/sample	1L Plastic	7 – 14 days
<u>Inorganics and others:</u>				
pH	SM 4500 H+ B	\$7/sample	P or G	2 days
Anions (Nitrate Nitrite, O-phosphate, Sulfate)	HACH methods	\$7/each	P or G	5 – 10 days
Conductivity	SM 2510 B	\$7/sample	P or G	2 days
Turbidity	SM 2310 B	\$10/sample	P or G	2 days
Color	HACH Method	\$7/sample	P or G	2 days
Alkalinity	HACH Method	\$13/sample	P or G	5 – 10 days
Hardness, T	HACH Method	\$13/sample	P or G	5 – 10 days
Hardness, Ca	HACH Method	\$13/sample	P or G	5 – 10 days
Residual Cl2 (Free or total)	HACH Method	\$7/each	P or G	On-site
Mono & NH3	HACH Method	\$10/sample	P or G	On-site
UV-254	HACH Method	\$7/sample	P or G	5 – 10 days
Fluoride	HACH 8029	\$10/sample	P	5 – 10 days
<u>Microbiology:</u>				
Colilert P/A 100 mls	SM 9223 + UV	\$13/sample	Sterile bottle	2 days
18 Hour P/A	SM 9223 + UV	\$13/sample	Sterile bottle 100 mls	2 days
Colilert MPN	SM 9223 MPN	\$20/sample	Sterile bottle 100 mls	2 days
Standard Plate Count	SM 9215 B	\$15/sample	Sterile container	3 days
<u>Carbon analysis:</u>				
Apparent Density		\$55/sample	Plastic	14 – 21 days
Iodine Number		\$125/single	P	14 – 21 days
		\$175/2		
Ash		\$30/sample		14 – 21 days

14. Service Disconnection

Upon request by the customer for termination of service, the Utility shall, in its sole discretion, determine if the disconnection poses risk or liability to either the Utility or the public. If it determines risk or liability is possible, the Utility may, at the Customer's expense, take such actions as may be appropriate to reduce the risk or liability.

Issued: November 29, 2018

Effective: January 1, 2019

MERRIMACK SOURCE DEVELOPMENT CHARGE

RATE SCHEDULE – “MSDC”

CHARACTER OF SERVICE

The Merrimack Source Development Charge ("MSDC") is assessed in accordance with RSA 38:27 and RSA 38:28 for the purpose of constructing, acquiring, improving, enlarging and/or operating the Manchester Water Works' system. Specifically, all funds collected from the Charge will be utilized to develop the Merrimack River as an additional source of supply for the Water Works.

RATES

The one-time charge will be based on the size of the water meter that is required to meet flow requirements at the installation.

<u>Meter Size</u>	<u>MSD CHARGE</u>
5/8"	\$1,157
3/4"	\$2,256
1"	\$3,321
1½"	\$8,712
2"	\$15,388

For installations 3" and larger, the charge will be \$3.90 per gallon, per day. The flow, gallons/day, will be determined by the Utility. For installations where an oversized meter is necessary due to pressure considerations, the charge will be based on the size of the meter required under normal pressure conditions, as determined by the Utility. In accordance with the financial plan adopted by the Utility, the MSDC shall be increased 3% annually effective each January 1st.

TERMS:

Bills for this service shall be rendered in advance and payment shall be received before main and services are installed.

Issued: December 17, 2020

Effective: January 1, 2021

Manchester Water Works
Rules and Regulations

WATER USE RESTRICTIONS AND PENALTIES

The following penalties for violations of water use restrictions are applicable only during a severe drought or other water supply shortage during a declared Emergency or Disaster by the Board of Water Commissioners of the Manchester Water Works. Once declared, the need for continuation of such restrictions shall be reviewed monthly by the utility and notice of which shall be published in the Manchester Union Leader. The primary purpose of such declaration and issuing penalties by the Board of Water Commissioners shall be to protect, preserve and maintain the public health, safety and welfare of the customers and communities served.

Declared Emergency –
Level III

After continued violation of restriction confirmed by Manchester Water Works following written warning, the customer shall be assessed a penalty in the amount of \$50.00/day. Continued violations shall result in service termination in accordance with Commission Rules.

Declared Disaster –
Level IV

After confirmation by Manchester Water Works of violation of restriction, the customer shall be assessed a penalty in the amount of \$100.00/day and service shall be immediately terminated in accordance with Commission Rules.

Restrictions that include but shall not be limited or restricted to which may be imposed by the Board of Water Commissioners depending on the drought severity are lawn irrigation, curbside vehicle washing, pool filling, hosing of hard surfaces and use of water from public or private hydrants for non-emergency purposes.

Issued: May 29, 2002

Effective: May 29, 2002

FRONT FOOT CHARGE

The front foot charge shall be used in conjunction with Article 14 for all Main Pipe Extensions. The charge shall be adjusted annually utilizing the previous December ENR Construction Cost Index.

December 2020
ENR/CCI

11,579

2021 Front Foot Charge

\$44.26

Issued: December 17, 2020

Effective: January 1, 2021

Pennichuck East Utility, Inc.
DW21-022
Attachment DOE 1-5
10/28/2021

Libor Rate Advances									
Day of Week	Date	Beginning Balance - Availability	Advances	Payments	Total Amount Borrowed	Total Borrowed - All Advances	Ending Balance - Availability	CoBank Weekly Rate	Interest Expense
Monday	09/27/21	1,828,695.46	-	-	1,171,304.85	1,171,304.85	1,828,695.46	2.09000%	68.00
Tuesday	09/28/19	1,828,695.46	-	-	1,171,304.54	1,171,304.54	1,828,695.46	2.09000%	68.00
Wednesday	09/29/19	1,828,695.46	-	1,135,409.00	35,895.54	35,895.54	2,964,104.46	2.09000%	2.08
Thursday	09/30/19	2,964,104.46	-	-	35,895.54	35,895.54	2,964,104.46	2.09000%	2.08
Friday	10/01/19	2,964,104.46	-	-	35,895.54	35,895.54	2,964,104.46	2.09000%	2.08
Saturday	10/02/19	2,964,104.46	-	-	35,895.54	35,895.54	2,964,104.46	2.09000%	2.08
Sunday	10/03/19	2,964,104.46	-	-	35,895.54	35,895.54	2,964,104.46	2.09000%	2.08
Monday	10/04/19	2,964,104.46	-	-	35,895.54	35,895.54	2,964,104.46	2.09000%	2.08
Tuesday	10/05/19	2,964,104.46	-	-	35,895.54	35,895.54	2,964,104.46	2.09000%	2.08
Wednesday	10/06/19	2,964,104.46	-	-	35,895.54	35,895.54	2,964,104.46	2.09000%	2.08
Thursday	10/07/19	2,964,104.46	-	-	35,895.54	35,895.54	2,964,104.46	2.09000%	2.08
Friday	10/08/19	2,964,104.46	-	-	35,895.54	35,895.54	2,964,104.46	2.09000%	2.08
Saturday	10/09/19	2,964,104.46	-	-	35,895.54	35,895.54	2,964,104.46	2.09000%	2.08
Sunday	10/10/19	2,964,104.46	-	-	35,895.54	35,895.54	2,964,104.46	2.09000%	2.08
Monday	10/11/19	2,964,104.46	-	-	35,895.54	35,895.54	2,964,104.46	2.09000%	2.08
Tuesday	10/12/19	2,964,104.46	-	-	35,895.54	35,895.54	2,964,104.46	2.09000%	2.08
Wednesday	10/13/19	2,964,104.46	-	-	35,895.54	35,895.54	2,964,104.46	2.09000%	2.08
Thursday	10/14/19	2,964,104.46	-	-	35,895.54	35,895.54	2,964,104.46	2.09000%	2.08
Friday	10/15/19	2,964,104.46	-	-	35,895.54	35,895.54	2,964,104.46	2.09000%	2.08
Saturday	10/16/19	2,964,104.46	-	-	35,895.54	35,895.54	2,964,104.46	2.09000%	2.08
Sunday	10/17/19	2,964,104.46	-	-	35,895.54	35,895.54	2,964,104.46	2.09000%	2.08
Monday	10/18/19	2,964,104.46	428,136.33	35,895.54	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Tuesday	10/19/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Wednesday	10/20/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Thursday	10/21/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Friday	10/22/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Saturday	10/23/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Sunday	10/24/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Monday	10/25/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Tuesday	10/26/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Wednesday	10/27/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Thursday	10/28/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Friday	10/29/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Saturday	10/30/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Sunday	10/31/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Monday	11/01/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Tuesday	11/02/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Wednesday	11/03/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Thursday	11/04/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Friday	11/05/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Saturday	11/06/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Sunday	11/07/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Monday	11/08/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Tuesday	11/09/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Wednesday	11/10/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Thursday	11/11/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Friday	11/12/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Saturday	11/13/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Sunday	11/14/19	2,571,863.67	-	-	428,136.33	428,136.33	2,571,863.67	2.09000%	24.86
Monday	11/15/19	2,571,863.67	150,000.00	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56

Proceeds from 9/29/2021 CoBank closing.

\$35,895.54 paid off with 0.1 DSRR monies. Reflect interest accumulated over previous year.

10/28/2021

Libor Rate Advances									
Day of Week	Date	Beginning Balance - Availability	Advances	Payments	Total Amount Borrowed	Total Borrowed - All Advances	Ending Balance - Availability	CoBank Weekly Rate	Interest Expense
Tuesday	11/16/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Wednesday	11/17/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Thursday	11/18/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Friday	11/19/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Saturday	11/20/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Sunday	11/21/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Monday	11/22/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Tuesday	11/23/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Wednesday	11/24/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Thursday	11/25/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Friday	11/26/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Saturday	11/27/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Sunday	11/28/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Monday	11/29/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Tuesday	11/30/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Wednesday	12/01/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Thursday	12/02/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Friday	12/03/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Saturday	12/04/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Sunday	12/05/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Monday	12/06/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Tuesday	12/07/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Wednesday	12/08/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Thursday	12/09/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Friday	12/10/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Saturday	12/11/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Sunday	12/12/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Monday	12/13/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Tuesday	12/14/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Wednesday	12/15/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Thursday	12/16/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Friday	12/17/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Saturday	12/18/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Sunday	12/19/19	2,421,863.67	-	-	578,136.33	578,136.33	2,421,863.67	2.09000%	33.56
Monday	12/20/19	2,421,863.67	150,000.00	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Tuesday	12/21/19	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Wednesday	12/22/19	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Thursday	12/23/19	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Friday	12/24/19	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Saturday	12/25/19	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Sunday	12/26/19	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Monday	12/27/19	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Tuesday	12/28/19	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Wednesday	12/29/19	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Thursday	12/30/19	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Friday	12/31/19	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Saturday	01/01/20	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Sunday	01/02/20	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Monday	01/03/20	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Tuesday	01/04/20	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Wednesday	01/05/20	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Thursday	01/06/20	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Friday	01/07/20	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27

10/28/2021

Libor Rate Advances									
Day of Week	Date	Beginning Balance - Availability	Advances	Payments	Total Amount Borrowed	Total Borrowed - All Advances	Ending Balance - Availability	CoBank Weekly Rate	Interest Expense
Saturday	01/08/20	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Sunday	01/09/20	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Monday	01/10/20	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Tuesday	01/11/20	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Wednesday	01/12/20	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Thursday	01/13/20	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Friday	01/14/20	2,271,863.67	-	-	728,136.33	728,136.33	2,271,863.67	2.09000%	42.27
Saturday	01/15/20	2,271,863.67	201,220.00	-	929,356.33	929,356.33	2,070,643.67	2.09000%	53.95
Sunday	01/16/20	2,070,643.67	-	-	929,356.33	929,356.33	2,070,643.67	2.09000%	53.95
Monday	01/17/20	2,070,643.67	-	-	929,356.33	929,356.33	2,070,643.67	2.09000%	53.95
Tuesday	01/18/20	2,070,643.67	-	-	929,356.33	929,356.33	2,070,643.67	2.09000%	53.95
Wednesday	01/19/20	2,070,643.67	-	-	929,356.33	929,356.33	2,070,643.67	2.09000%	53.95
Thursday	01/20/20	2,070,643.67	-	-	929,356.33	929,356.33	2,070,643.67	2.09000%	53.95
Friday	01/21/20	2,070,643.67	-	-	929,356.33	929,356.33	2,070,643.67	2.09000%	53.95
Saturday	01/22/20	2,070,643.67	-	-	929,356.33	929,356.33	2,070,643.67	2.09000%	53.95
Sunday	01/23/20	2,070,643.67	-	-	929,356.33	929,356.33	2,070,643.67	2.09000%	53.95
Monday	01/24/20	2,070,643.67	-	-	929,356.33	929,356.33	2,070,643.67	2.09000%	53.95
Tuesday	01/25/20	2,070,643.67	-	-	929,356.33	929,356.33	2,070,643.67	2.09000%	53.95
Wednesday	01/26/20	2,070,643.67	-	-	929,356.33	929,356.33	2,070,643.67	2.09000%	53.95
Thursday	01/27/20	2,070,643.67	-	-	929,356.33	929,356.33	2,070,643.67	2.09000%	53.95
Friday	01/28/20	2,070,643.67	-	-	929,356.33	929,356.33	2,070,643.67	2.09000%	53.95
Saturday	01/29/20	2,070,643.67	-	-	929,356.33	929,356.33	2,070,643.67	2.09000%	53.95
Sunday	01/30/20	2,070,643.67	-	-	929,356.33	929,356.33	2,070,643.67	2.09000%	53.95
Monday	01/31/20	2,070,643.67	-	-	929,356.33	929,356.33	2,070,643.67	2.09000%	53.95
Total Projected PEU FALOC interest through 1/31/2022 -									3,886.85
Projected PEU FALOC interest for February 2022 -									1,510.60
Projected PEU FALOC interest for March 2022 -									1,672.45
Projected PEU FALOC interest for April 2022 -									1,618.50
Projected PEU FALOC interest for May 2022 -									1,672.45
Projected PEU FALOC interest for June 2022 -									1,618.50
Projected PEU FALOC interest for July 2022 -									1,672.45
Total Projected PEU FALOC interest on 2021 PEU plant additions -									13,651.80