

THE STATE OF NEW HAMPSHIRE



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PUBLIC UTILITIES COMMISSION

21 S. Fruit Street, Suite 10
Concord, N.H. 03301-2429

November 2, 2018

Debra A. Howland, Executive Director
New Hampshire Public Utilities Commission
21 South Fruit Street, Suite 10
Concord, New Hampshire 03301-2429

Re: DW 18-076 – Pennichuck Water Works, Inc. (“PWW” or “Company”)
Staff Recommendation for Approval of Proposed Tariff Changes relative to Small
Diameter Private Fire Protection Non-Metered Service and Other Proposed
Remedies: **PUBLIC VERSION**

Dear Ms. Howland:

The purpose of this letter is to recommend that the Commission approve certain tariff changes proposed by PWW, including rate changes and installation specificity, relative to its provision of private fire protection service to customers using small diameter connections. Staff further recommends that the Commission approve proposed credits for certain customers who have been previously receiving such service, in order to address certain billing inequities. Staff also recommends that the Commission approve certain outreach efforts to be undertaken by PWW to actively educate municipal officials of the proposed new tariff requirements. Finally, Staff recommends that the Commission approve PWW’s Motion for Confidential Treatment of certain customer-specific information provided in this proceeding.

Procedural Background

On April 30, 2018, PWW filed a petition for proposed changes to its tariff regarding non-metered private fire protection service to customers currently using smaller diameter connections, as well as to provide pricing and installation specificity relative to these type of connections. In support of its petition, PWW filed copies of its proposed amended tariff pages, in addition to the testimony of Donald L. Ware, the Company’s Chief Operating Officer. PWW’s filing was submitted in response to a Staff investigation relative to private fire protection service and billings in Pennichuck East Utility, Inc. (“PEU”), PWW’s affiliate.

On May 30, 2018, the OCA filed a letter of participation in this docket in accordance with RSA 363:28. There are no other intervenors in this proceeding.

On May 31, 2018, the Commission issued Order No. 26,137 suspending the proposed tariff pages regarding non-metered private fire protection service, pursuant to RSA 378:6, I(b), through August 30, 2018, pending an investigation and further order by the Commission.

On July 12, 2018, Staff propounded discovery to the Company, to which PWW provided final responses on August 6. A redacted copy of PWW's discovery responses to Staff's data requests in this case is attached to this PUBLIC VERSION correspondence. (A copy of this letter, with the UNREDACTED CONFIDENTIAL material attached, will also be filed and provided to PWW and the OCA, separately.)

On August 14, 2018, Staff filed a request with the Commission to extend PWW's tariff suspension until October 31, 2018. The Commission approved Staff's extension request in a Secretarial Letter issued on August 15.

On September 5, 2018, the parties in this proceeding met in a technical session where all issues pertaining to this case were discussed. As a result of that meeting, the Staff and the OCA agreed to support the tariff changes proposed by the Company in its filing, and PWW agreed to undertake certain other actions as a further remedy towards resolving certain deficiencies and inequities which were highlighted in this proceeding. These further actions agreed to by PWW are contained in a letter dated September 14 from the Company to Staff and the OCA which is attached to this correspondence.

On September 25, 2018, via a supplemental discovery response filed in Docket DW 18-090, which is a concurrent case involving PWW's affiliate, Pennichuck East Utility, Inc. ("PEU"), the parties were informed that PWW would be proposing an additional tariff change relative to this case.

On October 1, 2018, PWW filed a Motion for Protective Order and Confidential Treatment of Customer-Specific Street Addresses (Motion for Confidential Treatment) with regard to certain information included in its response to Staff Data Request 1-4.

On October 5, 2018, Staff requested that a copy of the Company's proposed tariff page with the further revision be filed in this docket. On October 10, PWW provided the requested tariff page via an additional data response identified as Staff 1-15. A copy of that response is included in the attached copies of PWW's discovery responses to this correspondence.

Proposed Tariff Changes**Background of Proposed Tariff Changes**

In his testimony, Mr. Ware states that PWW is receiving applications from building developers who are installing “life safety” sprinkler systems in newly constructed one- or two-family homes, as recommended by the International Code Council’s International Residential Code, Section P2904. Such systems require non-metered private fire protection service connections. Mr. Ware further states that PWW’s current tariff does not provide an appropriate rate or installation configuration to allow for efficient service relative to these types of systems, especially with the expectation that such service requests will only increase in the future.

Thus far, PWW has seen two types of installations relative to these systems. Under what PWW refers to as “Option 1”, certain developers are installing a single, larger service line (1½” or larger) to provide both domestic and fire suppression flows. However, in order to allow passage of these combined flows, a 1” meter needs to be installed instead of the typical 5/8” meter. Under what PWW refers to as “Option 2”, two separate service lines are installed; a 1” service line with a 5/8” meter to provide domestic flows, as well as a 1½” or larger non-metered service line to provide fire protection flows. Mr. Ware states that by the end of this year, there will be less than 30 such small-diameter connections in PWW.

With regard to the rates currently charged relative to the respective configurations, PWW states that it applies the most applicable rate in accordance with its current tariff:

- For Option 1, PWW applies its minimum monthly charge for a 1” meter of \$52.35. Because these customers pay a volumetric rate for all usage, including fire suppression flows, they pay no separate fire protection charge.
- For Option 2, PWW applies the minimum monthly charge for a 5/8” meter of \$22.58 plus its non-metered private fire protection charge for a service that is 4” or smaller of \$62.03 per month, for a total fixed monthly charge of \$84.61. These charges are in addition to PWW’s current volumetric charges.

Mr. Ware’s testimony explains that each scenario results in certain inequities under PWW’s tariff as currently approved.

- Under Option 1, because customers are forced to install a 1” meter in their homes, instead of the typical 5/8” meter, they are paying a monthly minimum charge of \$52.35 for the 1” meter, instead of the typical monthly minimum charge for domestic service of \$22.58 for a 5/8” meter; a difference of \$29.77. Additionally, Mr. Ware states that the installation of a 1” meter, instead of a 5/8” meter, results in PWW recognizing higher

than normal unaccounted-for or lost water. This is because a 1" meter only registers low flows down to $\frac{3}{4}$ gallons per minute (gpm) as opposed to a 5/8" meter that registers flows as low as $\frac{1}{4}$ gpm. Mr. Ware further states that a 1" meter requires a greater frequency of testing than a 5/8" meter; that is, every 4 years versus every 10 years. This results in meter testing costs that are 2.5 times greater than what would normally be required relative to a single-family residence. Finally, under circumstances either where a problem arises relative to a customer's private fire protection service or a customer ceases payment for that service, the Company does not have the ability to shut off the fire protection flow while leaving the domestic flow on.

- Under Option 2, there are not the same operational problems for the Company as there are under Option 1. However, PWW's current tariff has no non-metered rates for private fire protection service installations that are smaller than 4". As a result, customers with a 1½", 2", or 3" service connection for private fire protection will pay the same rate as a 4" service connection of \$62.03 per month.

Proposed Tariff Changes Associated with Option 2

To address the rate inequity issue associated with Option 2, PWW proposes establishing additional non-metered rates for smaller diameter connections, similar to what is currently included in PEU's tariff. PWW proposes the following rates for small diameter "private fire protection – non-metered" services:

1½" private fire protection – non-metered rate:	\$ 6.51 per month
2" private fire protection – non-metered rate:	\$15.50 per month
3" private fire protection – non-metered rate:	\$26.02 per month
4" private fire protection – non-metered rate:	\$62.03 per month

PWW's proposed rates are based on its last completed cost of service study from its general rate case in DW 10-091 and were calculated similarly to how PEU's small-diameter private fire protection rates were structured. PWW proposes adding these rates to Page 45 of its tariff.

In its response to Staff Data Request 1-4, PWW indicates that there are five Option 2 customers residing in Nashua whose homes were installed with a 2" fire protection service but who are currently paying the 4" and smaller monthly rate of \$62.03. If the above tariff changes are approved, these customers will be charged \$46.53 less per month ($\$62.03 - \$15.50 = \46.53) for their private non-metered fire protection rate.

Proposed Tariff Changes Associated with Option 1

Given the likelihood that the demand for private fire protection in residential dwellings will only increase, Mr. Ware states that it is important to take steps now in order to prevent the future installations of combined services under Option 1. To do so, the Company proposes introducing more specific system configuration requirements to its current tariff.

On Page 32 of PWW's tariff, the Company is proposing revisions which mandate that future domestic and private fire protection services no longer be combined as a single service connection. Rather, the additional proposed language requires that when a residential home is installed with a life safety sprinkler system, that home must have two services, with separate outside shutoffs.

Additionally, in order to resolve the rate inequity issue for homes previously installed with one over-sized service under Option 1, PWW proposes the establishment of a "grandfathered" rate for these customers. Specifically, this rate would apply only to those customers with this type of service and meter set-up where it was installed and placed in service prior to December 31, 2018. PWW proposes that these customers be charged a combined fixed rate of \$29.09 per month consisting of the \$22.58 meter charge associated with a 5/8" meter plus the proposed \$6.51 non-metered charge for a 1½" private fire protection service (see above). PWW proposes that this "grandfathered" rate of \$29.09 be added to Page 43 of its tariff and charged on a going-forward basis to those Option 1 customers who are currently paying \$52.35 per month; a difference of \$23.26 per month. According to PWW's response to Staff Data Request 1-4, there are currently fifteen such Option 1 customers residing in Nashua.

Other Proposed Tariff Changes

In addition to the tariff changes discussed above, PWW is also proposing two further tariff changes. The first involves the correction of a typographical error on Page 45 of its tariff where a current reference to "paragraph 13" will be corrected to, instead, read "paragraph 31". The second tariff change also will appear on Page 45 and changes the tariff language to indicate that the non-metered fire protection charge will be based on the size of the fire service tap (as opposed to the size of "the pipe entering the property"), which can either be off of the water main in the street or off of the service.

Staff believes that the tariff changes proposed by PWW will result in just and reasonable rates to all effected customers on a going-forward basis. As a result, Staff recommends that the Commission approve these tariff changes proposed by the Company.

Proposed Customer Credits

In its response to Staff Data Request 1-4, PWW proposed to provide credits totaling \$8,406.85 to both its fifteen Option 1 customers and five Option 2 customers. The purpose of these credits is in order to further resolve the previous billing inequities experienced by these customers relative to PWW's current tariff. PWW's Redacted Attachment Staff 1-4-b-c-d shows the individual credits calculated for each of the respective Option 1 and Option 2 customers.

Specifically, each of the fifteen Option 1 customers will receive a credit equal to \$23.26 per month for each month they have been receiving this type of service. This credit is based on the difference between their current fixed monthly charge of \$52.35 for a 1" meter and the proposed "grandfathered" fixed monthly charge of \$29.09 discussed above. Through October 2018, the total proposed credit for these fifteen customers will be \$2,372.52.¹

PWW also proposes issuing a credit to the five Option 2 customers. Each customer's credit will be equal to \$41.92 per month for each month they received this type of service prior to December 2016 when a rate increase became effective, and \$46.53 per month for each month of service from December 2016 forward. For each month prior to December 2016, the credit is based on the difference between the 4" and under private fire protection rate effective at that time of \$55.88 and what the proposed 2" private fire protection rate would have been at that time of \$13.96. ($\$55.88 - \$13.96 = \41.92) For each month from December 2016 and following, the credit is based on the difference between the current 4" and under private fire protection rate of \$62.03 and the proposed 2" private fire protection rate of \$15.50 (see above). ($\$62.03 - \$15.50 = \46.53) Through October 2018, the total proposed credit for these five customers will be \$6,034.33.

Staff has reviewed the basis for the Company's proposed credits as well as the underlying calculations of each. Staff believes that PWW's proposed customer credits provide an equitable solution to resolve a previous regulatory oversight relative to an emerging issue. As such, Staff believes that the proposed customer credits are just and reasonable and recommends that the Commission approve them. Staff further recommends that PWW be prohibited from any future recovery of these customer credits via a future general rate increase.

Education of Municipal Officials on Tariff Changes

During the September 5 technical session, PWW agreed that within 30 days of a Commission order approving the tariff changes proposed in this proceeding, it would mail a letter to each municipality within its franchise, as well as to the building inspector

¹ Redacted Attachment Staff 1-4-b-c-d shows that meters were installed in the homes of all fifteen customers subsequent to the effective date of PWW's last rate increase in December 2016.

and/or fire inspector of those municipalities. This letter will explain the approved tariff changes, including the technical specifications and design standards relative to how metered and private fire protection services are to be installed. In that letter, PWW will also offer to meet with officials of the respective municipalities in order to further discuss the proposed changes. PWW also agreed to file a report with the Commission by no later than December 31, 2018 describing which municipal officials the Company sent letters to as well as which officials agreed to meet with PWW. PWW's outreach commitments are contained in the letter dated September 14, 2018, from the Company to Staff and the OCA, which is attached to this correspondence.

Staff believes that such efforts undertaken by the Company will prove beneficial to all parties concerned including the individual municipalities, PWW's customers, as well as the Company, itself. Staff, therefore, recommends the Commission approve this requirement.

Motion for Confidential Treatment

On October 1, 2018, PWW filed a Motion for Protective Order and Confidential Treatment pursuant to N.H. Admin. Rule Puc 203.08 and RSA Chapter 91-A in order to grant protective treatment of certain confidential customer-specific data contained in the Company's discovery response to Staff 1-4. Specifically, PWW's response includes a schedule identified as Confidential Attachment Staff 1-4-b-c-d which contains the street addresses and billing history of various customers who are proposed to receive billing credits.

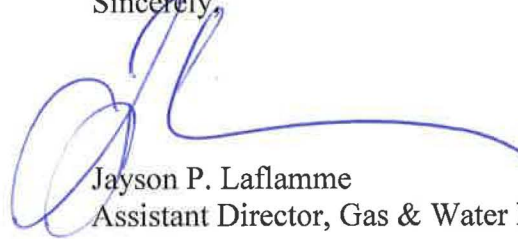
The Company states that RSA 91-A:5, IV expressly exempts from public disclosure "files whose disclosure would constitute an invasion of privacy." PWW argues that the New Hampshire Supreme Court has held that there is a recognized privacy interest in individually identifiable customer information, particularly where that information is tied to financial information. PWW states that its discovery response includes street addresses which can be used to identify a specific residential customer. PWW further contends that the customer-specific street addresses are not necessary to inform the public of the conduct and activities of the Commission because PWW has provided information as to the streets in general, which should be sufficient to inform the public that Commission approval of credits to certain of the customer groups is just and reasonable.

Staff agrees with the Company's concern that public disclosure of customer-specific street addresses contained in its response to Staff 1-4, and specifically Confidential Attachment Staff 1-4-b-c-d, may constitute an invasion of privacy. Staff supports and recommends that the Commission grant PWW's Motion for Confidential Treatment of this information.

Prior to filing its recommendation, Staff provided a copy to PWW and the OCA for review. In response, both PWW and the OCA indicated their respective concurrence with Staff's recommendations.

Thank you for your attention and assistance with this matter. If you have any further questions, please do not hesitate to contact me.

Sincerely,



Jayson P. Laflamme
Assistant Director, Gas & Water Division

Enclosures: PWW Data Responses – Redacted
9/14/18 Correspondence from PWW/PEU

cc: Service List

Pennichuck Water Works, Inc.
DW 18-076

PWW-Small Diameter Private Fire Protection
Responses to Staff Data Requests – Set 1

Date Request Received: 7/12/18
Request No. Staff 1-1

Date of Response: 7/26/18
Witness: Donald L. Ware

REQUEST: Do all PWW customers with life safety sprinkler service and who have one service line and one meter have 1" meters? If not, please provide the following:

- a) The number of customers with meters other than 1" meters
- b) The size of the meters serving those customers and the number of customers for each different meter size
- c) A description of how PWW proposes to bill those customers (if any).

RESPONSE:

Yes.

Pennichuck Water Works, Inc.
DW 18-076

PWW-Small Diameter Private Fire Protection
Responses to Staff Data Requests – Set 1

Date Request Received: 7/12/18
Request No. Staff 1-2

Date of Response: 7/26/18
Witness: Donald L. Ware

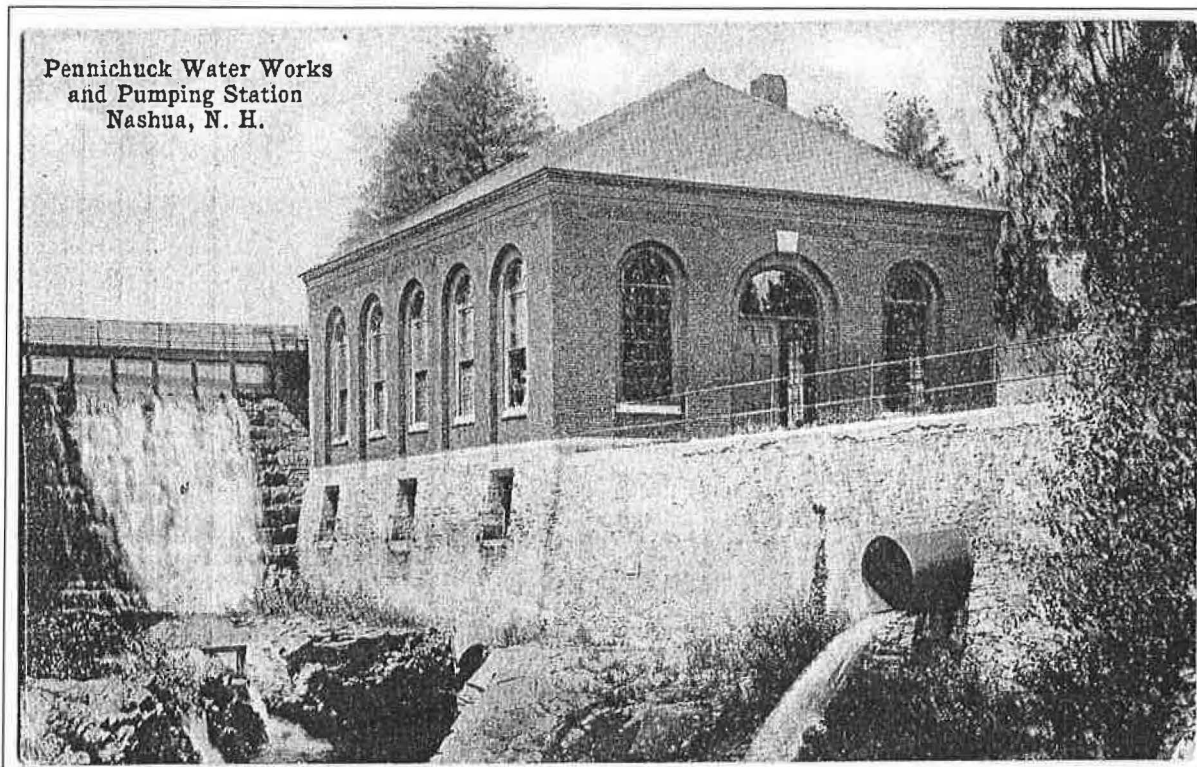
REQUEST: PWW is proposing changes to its tariff to mandate that future domestic and private fire protection services not be combined into one service connection. Are changes or revisions also required to the company's technical specifications document? If so, will PWW be making those changes to the technical specifications document as well?

RESPONSE:

- a. No. Changes are not required to the Company's technical specifications document.
- b. The current Technical Specifications detail for a single-family residential service shows two services, one unmetered for the sprinkler system and one metered for the domestic usage. Please see the attached Standard Details, in particular, Standard Detail D16, *Residential Domestic Service Tapped Off Fire Service*, which was also provided as testimony Attachment DLW-B. See Attachment Staff 1-2.

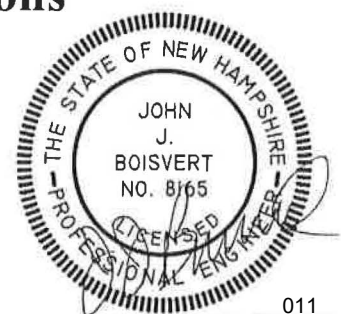
PENNICHUCK WATER WORKS

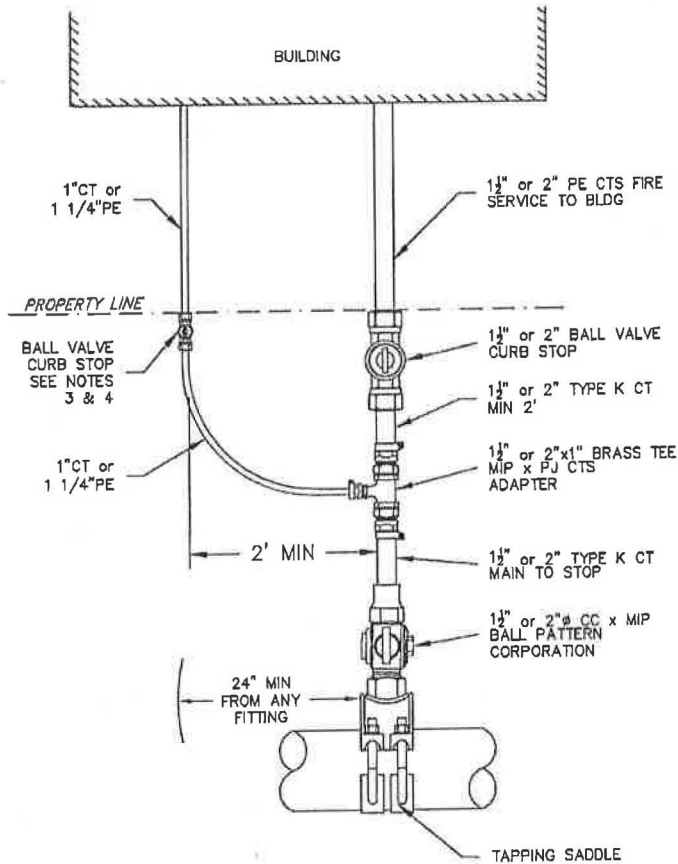
Merrimack, New Hampshire



Technical Specifications for Water Main, Hydrant, and Service Installations

Revision – 2018





NOTES:

1. ALL MATERIALS AND INSTALLATION PROCEDURES WILL CONFORM TO P.W.W. TECHNICAL SPECIFICATIONS.
2. ALL PIPE SHOULD HAVE A MINIMUM DEPTH OF 5' FROM TOP OF PIPE TO FINISH GRADE.
3. INSTALLATION DETAIL. SEE DETAIL D02 FOR 1 1/2" TO 2"
4. SEE DETAIL M01 FOR TYPICAL SERVICE UTILITY SEPARATION ENTRANCE.



DETAIL D16
 RESIDENTIAL DOMESTIC SERVICE
 TAPPED OFF FIRE SERVICE
 PENNICHUCK WATER WORKS, INC.
 REV: 03-18 SCALE: NTS

Pennichuck Water Works, Inc.
DW 18-076

PWW-Small Diameter Private Fire Protection
Responses to Staff Data Requests – Set 1

Date Request Received: 7/12/18
Request No. Staff 1-3

Date of Response: 7/26/18
Witness: Donald L. Ware

REQUEST: How many existing PWW customers with life safety sprinkler service are served via Option 1 as described in the testimony of Donald L. Ware?

RESPONSE:

Based upon the Company's books and records, there are a total of 15 customers with a "life safety sprinkler system provided service" via Option 1.

CONFIDENTIAL

**Pennichuck Water Works, Inc.
DW 18-076**

**PWW-Small Diameter Private Fire Protection
Responses to Staff Data Requests – Set 1**

Date Request Received: 7/12/18
Request No. Staff 1-4

Date of Response: 7/26/18
Witness: Donald L. Ware

REQUEST: Re Ware testimony, page 4, line 2, to page 5, line 4. For each of the customers referred to please provide:

- a) a complete copy of the associated application for service connection (to the company's distribution system);
- b) the type of installation (i.e., "Option 1" or "Option 2");
- c) the dates of service;
- d) the billing history;
- e) the amount of any revenue not recovered, as required by the tariff (e.g., for a customer with a 1" meter, who was charged for a 5/8" meter; or a customer with a 1" meter, who was not charged separately for private fire protection services); and
- f) the amount of any credit the company proposes as a refund or an account credit if the petition is approved.

CONFIDENTIAL RESPONSE:

PWW has a good faith basis for seeking confidential treatment of the attached documents pursuant to Puc 203.08 and RSA 91-A:5 because the attached documents contain customer-specific billing information, that if made public, could constitute an invasion of privacy. PWW intends to submit a motion for confidential treatment regarding the confidential portions of the attached documents at or before the commencement of the hearing in this proceeding.

- a) Attached please find a copy of the service applications associated with single family residential services with private fire protection. Where applications refer to lot numbers, it is because street addresses had not yet been established. Attachment Staff 1-4-a.

There is no service application for the Pinehurst Drive residence noted in the attached spreadsheet. This residence took service in 1963. Sometime during the past ten years a life safety sprinkler system was installed in this home. The existence of the sprinkler system was not noted until the meter at this location was exchanged for a periodic meter test (completed once every ten years). During the exchange the meter technician noted the existence of a life safety sprinkler system in the basement of the home and contacted our engineering department. The meter that was removed was a 5/8" which can only pass 20 gallons per

minute which would not support the demand of the sprinkler system. Our engineering department contacted the owner and the homeowner requested that the 5/8" meter be replaced with a 1" meter to enable the required flows to support the life safety sprinkler system. The 1" meter was installed on April 12th of this year. The customer is currently paying the customer service charge for a 1" meter.

b,c) Attached please find a spreadsheet detailing the street addresses and dates of service for the 15 Option 1 services and the 6 Option 2 services that currently exist in PWW.
Confidential Attachment Staff 1-4-b-c-d.

d) Attached please find the billing history for each of the 20 services referenced above.
Confidential Attachment Staff 1-4-b-c-d. The billing history for each service account in PWW is attached detailing what these customers paid for in terms of: (1) fixed customer charges, (2) the date the charges started and (3) the dates that changes in tariffed rates for those charges occurred. Please note that no volumetric usage is attached as the proposed tariff change has no bearing on the volumetric rate.

Please note that no volumetric usage is attached as the proposed tariff change has no bearing on the volumetric rate.

e) All revenue was recovered from both Option 1 and Option 2 customers have been in accordance with PWW's existing tariff. All Option 1 customers were charged the monthly customer service charge for a 1" meter in the amount of \$52.35 per month plus any volumetric usage was billed at the current tariffed volumetric rate.

All Option 2 customers were charged the monthly customer service charge for a 5/8" meter in the amount of \$22.58 per month plus any volumetric usage was billed at the current tariffed volumetric rate plus the charge of a "4" or smaller" non-metered private fire service in the amount of \$62.03 per month.

f) The Company proposes to issue a credit to the fifteen Option 1 customers of \$23.26 per month per customer for each month they have been receiving this type of service based on the difference between their current month fixed charge of \$52.35 and the proposed monthly fixed charges of \$22.58 for a 5/8" meter and \$6.51 per month for a 1-1/2" fire service. The total proposed credit to these fifteen customers will be \$2,372.52 through October 2018 as detailed in Confidential Attachment Staff 1-4-b-c-d

The Company proposes to issue a credit to the five Option 2 customers of \$41.92/ \$46.53 per month per customer (The credit varies for service prior to December 2016 and December 2016 and after due to a change in PWW's rates) for each month they have been receiving this type of service based on the difference between their current month fixed charge of \$76.22/\$84.61(based on \$20.54/\$22.58 per month for a 5/8" meter and \$55.88/\$62.03 per month for a 4" or smaller non-metered fire connection) and the proposed monthly fixed charges of \$20.34/\$22.58 for a 5/8" meter and \$13.96/\$15.50 per month for a 2" non-metered fire service. The total proposed credit to these six customers will be \$6,034.33 through October 2018 as detailed in Confidential Attachment Staff 1-4-b-c-d.

CONFIDENTIAL

**Pennichuck Water Works, Inc.
DW 18-076**

**PWW-Small Diameter Private Fire Protection
Responses to Staff Data Requests – Set 1**

Date Request Received: 8/2/18
Request No. Staff 1-4

Date of Supplemental Response: 8/6/18
Witness: Donald L. Ware

REQUEST: Re Ware testimony, page 4, line 2, to page 5, line 4. For each of the customers referred to please provide:

- a) a complete copy of the associated application for service connection (to the company's distribution system);
- b) the type of installation (i.e., "Option 1" or "Option 2");
- c) the dates of service;
- d) the billing history;
- e) the amount of any revenue not recovered, as required by the tariff (e.g., for a customer with a 1" meter, who was charged for a 5/8" meter; or a customer with a 1" meter, who was not charged separately for private fire protection services); and
- f) the amount of any credit the company proposes as a refund or an account credit if the petition is approved.

SUPPLEMENTAL REQUEST:

- 1) With regard to Attachment Staff 1-4-b-c-d, could the Company please provide the original Excel spreadsheet with embedded formulas relative to this attachment?
- 2) With regard to the Company's response to Staff 1-4 (b,c), should the first sentence read, "Attached please find a spreadsheet detailing the street addresses and dates of service for the 15 Option 1 services and the 5 Option 2 services that currently exist in PWW."; ie, replace "6" with "5" relative to Option 2 services?

SUPPLEMENTAL CONFIDENTIAL RESPONSE:

PWW has a good faith basis for seeking confidential treatment of the attached documents pursuant to Puc 203.08 and RSA 91-A:5 because the attached documents contain customer-specific billing information, that if made public, could constitute an invasion of privacy. PWW intends to submit a motion for confidential treatment regarding the confidential portions of the attached documents at or before the commencement of the hearing in this proceeding.

- a) Attached please find a copy of the service applications associated with single family residential services with private fire protection. Where applications refer to lot numbers, it is because street addresses had not yet been established. Attachment Staff 1-4-a.

There is no service application for the Pinehurst Drive residence noted in the attached spreadsheet. This residence took service in 1963. Sometime during the past ten years a life safety sprinkler system was installed in this home. The existence of the sprinkler system was not noted until the meter at this location was exchanged for a periodic meter test (completed once every ten years). During the exchange the meter technician noted the existence of a life safety sprinkler system in the basement of the home and contacted our engineering department. The meter that was removed was a 5/8" which can only pass 20 gallons per minute which would not support the demand of the sprinkler system. Our engineering department contacted the owner and the homeowner requested that the 5/8" meter be replaced with a 1" meter to enable the required flows to support the life safety sprinkler system. The 1" meter was installed on April 12th of this year. The customer is currently paying the customer service charge for a 1" meter.

- b,c) Attached please find a spreadsheet detailing the street addresses and dates of service for the 15 Option 1 services and the 6 5 Option 2 services that currently exist in PWV. Confidential Attachment Staff 1-4-b-c-d, **attached as a pdf and in Excel format.**
- d) Attached please find the billing history for each of the 20 services referenced above. Confidential Attachment Staff 1-4-b-c-d. The billing history for each service account in PWV is attached detailing what these customers paid for in terms of: (1) fixed customer charges, (2) the date the charges started and (3) the dates that changes in tariffed rates for those charges occurred. Please note that no volumetric usage is attached as the proposed tariff change has no bearing on the volumetric rate.

Please note that no volumetric usage is attached as the proposed tariff change has no bearing on the volumetric rate.

- e) All revenue was recovered from both Option 1 and Option 2 customers have been in accordance with PWV's existing tariff. All Option 1 customers were charged the monthly customer service charge for a 1" meter in the amount of \$52.35 per month plus any volumetric usage was billed at the current tariffed volumetric rate.

All Option 2 customers were charged the monthly customer service charge for a 5/8" meter in the amount of \$22.58 per month plus any volumetric usage was billed at the current tariffed volumetric rate plus the charge of a "4" or smaller" non-metered private fire service in the amount of \$62.03 per month.

- f) The Company proposes to issue a credit to the fifteen Option 1 customers of \$23.26 per month per customer for each month they have been receiving this type of service based on the difference between their current month fixed charge of \$52.35 and the proposed monthly fixed charges of \$22.58 for a 5/8" meter and \$6.51 per month for a 1-1/2" fire service. The

total proposed credit to these fifteen customers will be \$2,372.52 through October 2018 as detailed in Confidential Attachment Staff 1-4-b-c-d

The Company proposes to issue a credit to the five Option 2 customers of \$41.92/ \$46.53 per month per customer (The credit varies for service prior to December 2016 and December 2016 and after due to a change in PWW's rates) for each month they have been receiving this type of service based on the difference between their current month fixed charge of \$76.22/\$84.61(based on \$20.54/\$22.58 per month for a 5/8" meter and \$55.88/\$62.03 per month for a 4" or smaller non-metered fire connection) and the proposed monthly fixed charges of \$20.34/\$22.58 for a 5/8" meter and \$13.96/\$15.50 per month for a 2" non-metered fire service. The total proposed credit to these six customers will be \$6,034.33 through October 2018 as detailed in Confidential Attachment Staff 1-4-b-c-d.



PENNICHUCK
WATER

25 Manchester Street
Merrimack, NH 03054
(603) 882-5191
Fax (603) 913-2305

APPLICATION FOR SERVICE INSTALLATION

The undersigned hereby makes application to Pennichuck Water Works, hereinafter called the "Company" for a service installation to provide water service at UNIT 11 17 STINSON DRIVE NASHUA the undersigned agrees that the Company may enter upon the property of the undersigned to install/inspect the service pipe. The undersigned and the Company agree to install the service pipe according to its standards.

The Company reserves the right to require a deposit to be made prior to the start of the work. Where the amount of the deposit exceeds the cost of the work, the Company will refund the difference to the undersigned. If the cost of the work exceeds the amount of the deposit, the undersigned agrees to pay the difference. **Any work order not completed within two years will be closed and all deposits will be refunded to the customer along with a letter instructing them to re-apply for service when the job is closer to completion.**

The undersigned agrees that barring acts of negligence, the undersigned will not make any claim or bring any action to enforce such a claim against the Company by reason of any loss, damage, costs or expenses which the undersigned may suffer, incur or pay by reason of the installation requested by this application and the operation thereof.

In case where multiple services are being provided to buildings on a single, private lot from a water main installed on the same private property, the provision of water service is contingent upon the owner granting to Pennichuck Water Works formal rights of access to maintain water company piping on the subject lot, to enter all buildings for the purpose of reading and maintaining water meters and to discontinue service to any individual building within the subject lot for non payment of water bills or for other reasons as defined in Pennichuck Water Work's NH Public Utilities Commission Tariff.

Note: On all new residential domestic services and residential service renewals, the Company will install a backflow prevention device at the service entrance. It is the responsibility of the property owner to install a suitable expansion tank and a pressure release valve on water heaters on the premises to prevent damage resulting from lack of pressure relief through the water line. The company may require the property owner to install increased levels of backflow prevention protection.

OWNER: STINSON PARK ASSOCIATES LLC

SIGNATURE: Randy Turner, owner

STREET 20 TRAFALGAR SQ. # 101

BY: Randy Turner, owner

CITY NASHUA

DATE: 4/13/15

ZIP 03063

PHONE NO. (H) 603-234-4192

(W) _____

Fee Schedule - to be paid upon filing of application.

Meter Set-Up Fee	<u>\$0.00</u>
Inspection Fee	<u>\$0.00</u>
Pressure Release Filing	<u> </u>
Jobbing Fee	<u> </u>
Tapping Fee	<u> </u>
Total Required:	<u>\$0.00</u>

APPLICATION FOR SERVICE INSTALLATION

4 TYPE: (PLEASE CHECK ONE BOX) SERVICE NUMBER _____

☒ NEW SERVICE ☐ RENEWED (M-S S-E) ☐ TEMPORARY

4 DWELLING: (PLEASE CHECK ONE BOX)

RESIDENTIAL

- ☐ Single Family Metered
- ☐ Multi Family Metered
- ☐ Unmetered Service
- ☐ Multi Family Compound
- ☐ Multi Family FS Only
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ Single Family FS

COMMERCIAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Compound
- ☐ Hydrant Only
- ☐ Irrigation
- ☒ FS & ____ Hydts

INDUSTRIAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Contract
- ☐ Compound
- ☐ Anheuser Busch
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ____ Hydts

MUNICIPAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Contract
- ☐ Compound
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ____ Hydts

METER SIZE

SERVICE SIZE*

EST. PRESSURE

2"

METER TYPE (DISK TURBINE)

MATERIAL TYPE C.T.

*Service must be 1" inside unless otherwise stated.

PRESSURE RELEASE FORM REQ'D

YES ☐

NO ☒

BOOSTER PUMP REQUIRED

YES ☐

NO ☒

PRESSURE REDUCING VALVE REQ'D

YES ☐

NO ☒

TYPE OF BACKFLOW PREVENTER REQ'D*

HIGH HAZARD ☐

NOTES: INSPECTION FEE NOT
APPLICABLE.

LOW HAZARD ☐

RESIDENTIAL DUAL CHECK ☒

(as provided)

OTHER DEVICE (DESCRIPTION) ☐

Service#

028493

House#

17

Lot#

UNIT 11

Location

STINSON DR



**PENNICHUCK
WATER**

25 Manchester Street
Merrimack, NH 03054
(603) 882-5191
Fax (603) 913-2305

APPLICATION FOR SERVICE INSTALLATION

The undersigned hereby makes application to Pennichuck Water Works, hereinafter called the "Company" for a service installation to provide water service at UNIT 11 17 STINSON DRIVE NASHUA the undersigned agrees that the Company may enter upon the property of the undersigned to install/inspect the service pipe. The undersigned and the Company agree to install the service pipe according to its standards.

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Note: On all new residential domestic services and residential service renewals, the Company will install a backflow prevention device at the service entrance. It is the responsibility of the property owner to install a suitable expansion tank and a pressure release valve on water heaters on the premises to prevent damage resulting from lack of pressure relief through the water line. The company may require the property owner to install increased levels of backflow prevention protection.

OWNER: STINSON PARK ASSOCIATES LLC

SIGNATURE: Chad Turner, mng

STREET 20 TRAFALGAR SQ. # 101

BY: Brian Turner, mng

CITY NASHUA

DATE: 4/13/15

ZIP 03063

PHONE NO. (H) 603-234-4192

(W) _____

Fee Schedule - to be paid upon filing of application..

Meter Set-Up Fee	<u>\$240.00</u>
Inspection Fee	<u>\$160.00</u>
Pressure Release Filing	_____
Jobbing Fee	_____
Tapping Fee	_____
Total Required:	<u>\$400.00</u>

Received 4/13/15
Amt: \$400.00
CHU # 2147 04.

APPLICATION FOR SERVICE INSTALLATION

) TYPE: (PLEASE CHECK ONE BOX) SERVICE NUMBER _____

☒ NEW SERVICE ☐ RENEWED (M-S S-E) ☐ TEMPORARY

DWELLING: (PLEASE CHECK ONE BOX)

RESIDENTIAL

- ☒ Single Family Metered
- ☐ Multi Family Metered
- ☐ Unmetered Service
- ☐ Multi Family Compound
- ☐ Multi Family FS Only
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ Single Family FS

COMMERCIAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Compound
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ___ Hydts

INDUSTRIAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Contract
- ☐ Compound
- ☐ Anheuser Busch
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ___ Hydts

MUNICIPAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Contract
- ☐ Compound
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ___ Hydts

METER SIZE 5/8"
SERVICE SIZE* 1"
EST. PRESSURE 58-60

METER TYPE (DISK TURBINE)
MATERIAL TYPE C.T.
*Service must be 1" inside unless otherwise stated.

PRESSURE RELEASE FORM REQ'D YES ☐ NO ☒

BOOSTER PUMP REQUIRED YES ☐ NO ☒

PRESSURE REDUCING VALVE REQ'D YES ☐ NO ☒

TYPE OF BACKFLOW PREVENTER REQ'D* HIGH HAZARD ☐

NOTES: 1" C.T. or 1.5" P.E. LOW HAZARD ☐

Service Line Required.

RESIDENTIAL DUAL CHECK ☒

(as provided)

OTHER DEVICE (DESCRIPTION) ☐

Service#	House#	Lot#	Location
028444	17	UNIT 11	STINSON DR

047-1502280

042-1502281



PENNICHUCK
WATER

25 Manchester Street
Merrimack, NH 03054
(603) 882-5191
Fax (603) 913-2305

APPLICATION FOR SERVICE INSTALLATION

The undersigned hereby makes application to Pennichuck Water Works, hereinafter called the "Company" for a service installation to provide water service at 18 UNIT 7 STINSON DR NASHUA the undersigned agrees that the Company may enter upon the property of the undersigned to install/inspect the service pipe. The undersigned and the Company agree to install the service pipe according to its standards.

The Company reserves the right to require a deposit to be made prior to the start of the work. Where the amount of the deposit exceeds the cost of the work, the Company will refund the difference to the undersigned. If the cost of the work exceeds the amount of the deposit, the undersigned agrees to pay the difference. Any work order not completed within two years will be closed and all deposits will be refunded to the customer along with a letter instructing them to re-apply for service when the job is closer to completion.

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OWNER: STINSON PARK ASSOCIATES, LLC

SIGNATURE: [Signature]

STREET 20 TRAFALGAR SQ # 101

BY: [Signature]

CITY NASHUA

DATE: 9/25/11

ZIP 03063

PHONE NO. (H) 603-234-1192

(W) _____

Fee Schedule - to be paid upon filing of application..

Meter Set-Up Fee	_____
Inspection Fee	_____
Pressure Release Filing	_____
Jobbing Fee	<u>\$300.00</u>
Tapping Fee	_____
Total Required:	<u>\$300.00</u>

CL # 1817 #140101
9/25/11

APPLICATION FOR SERVICE INSTALLATION

4 TYPE: (PLEASE CHECK ONE BOX) SERVICE NUMBER _____

☒ NEW SERVICE ☐ RENEWED (M-S S-E) ☐ TEMPORARY

4 DWELLING: (PLEASE CHECK ONE BOX)

RESIDENTIAL

- ☐ Single Family Metered
- ☐ Multi Family Metered
- ☐ Unmetered Service
- ☐ Multi Family Compound
- ☒ Multi Family FS Only
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ Single Family FS

COMMERCIAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Compound
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ____ Hydts

INDUSTRIAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Contract
- ☐ Compound
- ☐ Anheuser Busch
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ____ Hydts

MUNICIPAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Contract
- ☐ Compound
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ____ Hydts

METER SIZE _____

SERVICE SIZE* 2"

EST. PRESSURE _____

METER TYPE (DISK TURBINE)

MATERIAL TYPE C.T.

*Service must be 1" inside unless otherwise stated.

PRESSURE RELEASE FORM REQ'D YES ☐ NO ☒

BOOSTER PUMP REQUIRED YES ☐ NO ☒

PRESSURE REDUCING VALVE REQ'D YES ☐ NO ☒

TYPE OF BACKFLOW PREVENTER REQ'D* HIGH HAZARD ☐

NOTES: _____ LOW HAZARD ☒

_____ RESIDENTIAL DUAL CHECK ☐

_____ (as provided)

_____ OTHER DEVICE (DESCRIPTION) ☐

Service#	House#	Lot#	Location
1000-0000	18	7	STINSON DR
CITY OF ST. LOUIS			



PENNICHUCK
WATER

25 Manchester Street
Merrimack, NH 03054
(603) 882-5191
Fax (603) 913-2305

APPLICATION FOR SERVICE INSTALLATION

The undersigned hereby makes application to Pennichuck Water Works, hereinafter called the "Company" for a service installation to provide water service at 18 UNIT 7 STINSON DR NASHUA the undersigned agrees that the Company may enter upon the property of the undersigned to install/inspect the service pipe. The undersigned and the Company agree to install the service pipe according to its standards.

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OWNER: STINSON PARK ASSOCIATES LLC

SIGNATURE: [Signature]

STREET 20 TRAFALGAR SQ # 101

BY: [Signature]

CITY NASHUA

DATE: 9/25/14

ZIP 03063

PHONE NO. (H) 603-234-4192

(W) _____

Fee Schedule - to be paid upon filing of application..

Meter Set-Up Fee	\$240.00
Inspection Fee	\$160.00
Pressure Release Filing	
Jobbing Fee	
Tapping Fee	
Total Required:	\$400.00

CE # 1817 \$1,400.00
9/25/14 NLP

APPLICATION FOR SERVICE INSTALLATION

4 TYPE: (PLEASE CHECK ONE BOX) SERVICE NUMBER _____

☒ NEW SERVICE ☐ RENEWED (M-S S-E) ☐ TEMPORARY

4 DWELLING: (PLEASE CHECK ONE BOX)

RESIDENTIAL

- ☒ Single Family Metered
- ☐ Multi Family Metered
- ☐ Unmetered Service
- ☐ Multi Family Compound
- ☐ Multi Family FS Only
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ Single Family FS

COMMERCIAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Compound
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ____ Hydts

INDUSTRIAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Contract
- ☐ Compound
- ☐ Anheuser Busch
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ____ Hydts

MUNICIPAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Contract
- ☐ Compound
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ____ Hydts

METER SIZE 5/8"
SERVICE SIZE* 1"
EST. PRESSURE 58-60

METER TYPE (DISK TURBINE)
MATERIAL TYPE C.T.

*Service must be 1" inside unless otherwise stated.

PRESSURE RELEASE FORM REQ'D YES ☐ NO ☒

BOOSTER PUMP REQUIRED YES ☐ NO ☒

PRESSURE REDUCING VALVE REQ'D YES ☐ NO ☒

TYPE OF BACKFLOW PREVENTER REQ'D* HIGH HAZARD ☐

NOTES: _____ LOW HAZARD ☐

_____ RESIDENTIAL DUAL CHECK ☒
_____ (as provided)

OTHER DEVICE (DESCRIPTION) ☐

Service#	House#	Lot#	Location
100028195	18	7	STINSON DR



PENNICHUCK
WATER

25 Manchester Street
Merrimack, NH 03054
(603) 882-5191
Fax (603) 913-2305

APPLICATION FOR SERVICE INSTALLATION

The undersigned hereby makes application to Pennichuck Water Works, hereinafter called the "Company" for a service installation to provide water service at UNIT 10 19 STINSON DRIVE NASHUA the undersigned agrees that the Company may enter upon the property of the undersigned to install/inspect the service pipe. The undersigned and the Company agree to install the service pipe according to its standards.

The Company reserves the right to require a deposit to be made prior to the start of the work. Where the amount of the deposit exceeds the cost of the work, the Company will refund the difference to the undersigned. If the cost of the work exceeds the amount of the deposit, the undersigned agrees to pay the difference. **Any work order not completed within two years will be closed and all deposits will be refunded to the customer along with a letter instructing them to re-apply for service when the job is closer to completion.**

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OWNER: STINSON PARK ASSOCIATES LLC

SIGNATURE: 

STREET 20 TRAFALGAR SQ. # 101

BY: _____

CITY NASHUA

DATE: 1/16/15

ZIP 03063

PHONE NO. (H) 603-234-4192

(W) _____

Fee Schedule - to be paid upon filing of application..

Meter Set-Up Fee	<u>\$0.00</u>
Inspection Fee	<u>\$0.00</u>
Pressure Release Filing	_____
Jobbing Fee	_____
Tapping Fee	_____
Total Required:	<u>\$0.00</u>

Received 1/16/15 DM.

APPLICATION FOR SERVICE INSTALLATION

4 TYPE: (PLEASE CHECK ONE BOX) SERVICE NUMBER _____

☒ NEW SERVICE ☐ RENEWED (M-S S-E) ☐ TEMPORARY

4 DWELLING: (PLEASE CHECK ONE BOX)

RESIDENTIAL

- ☐ Single Family Metered
- ☐ Multi Family Metered
- ☐ Unmetered Service
- ☐ Multi Family Compound
- ☐ Multi Family FS Only
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ Single Family FS

COMMERCIAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Compound
- ☐ Hydrant Only
- ☐ Irrigation
- ☒ FS & ____ Hydts

INDUSTRIAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Contract
- ☐ Compound
- ☐ Anheuser Busch
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ____ Hydts

MUNICIPAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Contract
- ☐ Compound
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ____ Hydts

METER SIZE

SERVICE SIZE*

EST. PRESSURE

2"

METER TYPE (DISK TURBINE)

MATERIAL TYPE C.T.

*Service must be 1" inside unless otherwise stated.

PRESSURE RELEASE FORM REQ'D

YES ☐ NO ☒

BOOSTER PUMP REQUIRED

YES ☐ NO ☒

PRESSURE REDUCING VALVE REQ'D

YES ☐ NO ☒

TYPE OF BACKFLOW PREVENTER REQ'D*

HIGH HAZARD ☐

NOTES: INSPECTION FEE NOT
APPLICABLE.

LOW HAZARD ☐

RESIDENTIAL DUAL CHECK ☒

(as provided)

OTHER DEVICE (DESCRIPTION) ☐

Service#

028478

House#

19

Lot#

UNIT 10

Location

STINSON DR



PENNICHUCK
WATER

25 Manchester Street
Merrimack, NH 03054
(603) 882-5191
Fax (603) 913-2305

APPLICATION FOR SERVICE INSTALLATION

The undersigned hereby makes application to Pennichuck Water Works, hereinafter called the "Company" for a service installation to provide water service at UNIT 10 19 STINSON DRIVE & UNIT 12 15 STINSON DRIVE NASHUA the undersigned agrees that the Company may enter upon the property of the undersigned to install/inspect the service pipe. The undersigned and the Company agree to install the service pipe according to its standards.

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OWNER: STINSON PARK ASSOCIATES LLC

SIGNATURE: 

STREET 20 TRAFALGAR SQ. # 101

BY:

CITY NASHUA

DATE: 1/16/15

ZIP 03063

PHONE NO. (H) 603-234-4192

(W)

Fee Schedule - to be paid upon filing of application..

Meter Set-Up Fee	\$480.00
Inspection Fee	\$320.00
Pressure Release Filing	
Jobbing Fee	
Tapping Fee	
Total Required:	\$800.00

Received 1/16/15

AMT: \$800.00

CHK #2043.00

APPLICATION FOR SERVICE INSTALLATION

4 TYPE: (PLEASE CHECK ONE BOX) SERVICE NUMBER _____

☒ NEW SERVICE ☐ RENEWED (M-S S-E) ☐ TEMPORARY

4 DWELLING: (PLEASE CHECK ONE BOX)

RESIDENTIAL

- ☒ Single Family Metered
- ☐ Multi Family Metered
- ☐ Unmetered Service
- ☐ Multi Family Compound
- ☐ Multi Family FS Only
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ Single Family FS

COMMERCIAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Compound
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ____ Hydts

INDUSTRIAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Contract
- ☐ Compound
- ☐ Anheuser Busch
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ____ Hydts

MUNICIPAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Contract
- ☐ Compound
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ____ Hydts

METER SIZE 5/8
SERVICE SIZE* 1
EST. PRESSURE 58-60

METER TYPE (DISK TURBINE)
MATERIAL TYPE C.T.
*Service must be 1" inside unless otherwise stated.

PRESSURE RELEASE FORM REQ'D YES ☐ NO ☒

BOOSTER PUMP REQUIRED YES ☐ NO ☒

PRESSURE REDUCING VALVE REQ'D YES ☐ NO ☒

TYPE OF BACKFLOW PREVENTER REQ'D* HIGH HAZARD ☐

NOTES: 1" C.T. OR 1.5" P.E. LOW HAZARD ☐

SERVICE LINE REQUIRED.

RESIDENTIAL DUAL CHECK ☒
(as provided)
OTHER DEVICE (DESCRIPTION) ☐

Service#	House#	Lot#	Location
<u>0284174</u>	<u>19 097-1500414</u>	<u>UNIT 10 092-1500415</u>	<u>STINSON DR</u>
<u>028480</u>	<u>15097-1500416</u>	<u>UNIT 12092-1500417</u>	<u>STINSON DR</u>



**PENNICHUCK
WATER**

25 Manchester Street
Merrimack, NH 03054
(603) 882-5191
Fax (603) 913-2305

APPLICATION FOR SERVICE INSTALLATION

The undersigned hereby makes application to Pennichuck Water Works, hereinafter called the "Company" for a service installation to provide water service at 20 UNIT 8 STINSON DR NASHUA the undersigned agrees that the Company may enter upon the property of the undersigned to install/inspect the service pipe. The undersigned and the Company agree to install the service pipe according to its standards.

The Company reserves the right to require a deposit to be made prior to the start of the work. Where the amount of the deposit exceeds the cost of the work, the Company will refund the difference to the undersigned. If the cost of the work exceeds the amount of the deposit, the undersigned agrees to pay the difference. **Any work order not completed within two years will be closed and all deposits will be refunded to the customer along with a letter instructing them to re-apply for service when the job is closer to completion.**

The undersigned agrees that barring acts of negligence, the undersigned will not make any claim or bring any action to enforce such a claim against the Company by reason of any loss, damage, costs or expenses which the undersigned may suffer, incur or pay by reason of the installation requested by this application and the operation thereof.

In case where multiple services are being provided to buildings on a single, private lot from a water main installed on the same private property, the provision of water service is contingent upon the owner granting to Pennichuck Water Works formal rights of access to maintain water company piping on the subject lot, to enter all buildings for the purpose of reading and maintaining water meters and to discontinue service to any individual building within the subject lot for non payment of water bills or for other reasons as defined in Pennichuck Water Work's NH Public Utilities Commission Tariff.

Note: On all new residential domestic services and residential service renewals, the Company will install a backflow prevention device at the service entrance. It is the responsibility of the property owner to install a suitable expansion tank and a pressure release valve on water heaters on the premises to prevent damage resulting from lack of pressure relief through the water line. The company may require the property owner to install increased levels of backflow prevention protection.

OWNER: STINSON PARK ASSOCIATES LLC

SIGNATURE: *Bandy Turner*

STREET 20 TRAFALGAR SQ # 101

BY: *BANDY TURNER*

CITY NASHUA

DATE: 9/25/14

ZIP 03063

PHONE NO. (H) 603-234-4192

(W) _____

Fee Schedule - to be paid upon filing of application..

Meter Set-Up Fee	_____
Inspection Fee	_____
Pressure Release Filing	_____
Jobbing Fee	<u>\$300.00</u>
Tapping Fee	_____
Total Required:	<u>\$300.00</u>

OK #1817 \$1,400.00

9/25/14 D.O.

APPLICATION FOR SERVICE INSTALLATION

4 TYPE: (PLEASE CHECK ONE BOX) SERVICE NUMBER _____

☒ NEW SERVICE ☐ RENEWED (M-S S-E) ☐ TEMPORARY

4 DWELLING: (PLEASE CHECK ONE BOX)

RESIDENTIAL

- ☐ Single Family Metered
- ☐ Multi Family Metered
- ☐ Unmetered Service
- ☐ Multi Family Compound
- ☒ Multi Family FS Only
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ Single Family FS

COMMERCIAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Compound
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ____ Hydts

INDUSTRIAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Contract
- ☐ Compound
- ☐ Anheuser Busch
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ____ Hydts

MUNICIPAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Contract
- ☐ Compound
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ____ Hydts

METER SIZE

SERVICE SIZE*

EST. PRESSURE

2"

METER TYPE (DISK TURBINE)

MATERIAL TYPE C.T.

*Service must be 1" inside unless otherwise stated.

PRESSURE RELEASE FORM REQ'D

YES ☐ NO ☒

BOOSTER PUMP REQUIRED

YES ☐ NO ☒

PRESSURE REDUCING VALVE REQ'D

YES ☐ NO ☒

TYPE OF BACKFLOW PREVENTER REQ'D*

HIGH HAZARD ☐

NOTES: _____

LOW HAZARD ☒

RESIDENTIAL DUAL CHECK ☐

(as provided)

OTHER DEVICE (DESCRIPTION) ☐

Service#	House#	Lot#	Location
1000000000	20	8	STINSON DR

0571000000



**PENNICHUCK
WATER**

25 Manchester Street
Merrimack, NH 03054
(603) 882-5191
Fax (603) 913-2305

APPLICATION FOR SERVICE INSTALLATION

The undersigned hereby makes application to Pennichuck Water Works, hereinafter called the "Company" for a service installation to provide water service at 20 UNIT 8 STINSON DR NASHUA the undersigned agrees that the Company may enter upon the property of the undersigned to install/inspect the service pipe. The undersigned and the Company agree to install the service pipe according to its standards.

The Company reserves the right to require a deposit to be made prior to the start of the work. Where the amount of the deposit exceeds the cost of the work, the Company will refund the difference to the undersigned. If the cost of the work exceeds the amount of the deposit, the undersigned agrees to pay the difference. **Any work order not completed within two years will be closed and all deposits will be refunded to the customer along with a letter instructing them to re-apply for service when the job is closer to completion.**

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Note: On all new residential domestic services and residential service renewals, the Company will install a backflow prevention device at the service entrance. It is the responsibility of the property owner to install a suitable expansion tank and a pressure release valve on water heaters on the premises to prevent damage resulting from lack of pressure relief through the water line. The company may require the property owner to install increased levels of backflow prevention protection.

OWNER: STINSON PARK ASSOCIATES LLC

SIGNATURE: [Signature]

STREET 20 TRAFALGAR SQ # 101

BY: [Signature]

CITY NASHUA

DATE: 9/25/14

ZIP 03063

PHONE NO. (H) 603-234-4192

(W) _____

Fee Schedule - to be paid upon filing of application..

Meter Set-Up Fee	\$240.00
Inspection Fee	\$160.00
Pressure Release Filing	
Jobbing Fee	\$0.00
Tapping Fee	
Total Required:	\$400.00

02-11877-10000

02-11877-10000

APPLICATION FOR SERVICE INSTALLATION

4 TYPE: (PLEASE CHECK ONE BOX) SERVICE NUMBER _____

☒ NEW SERVICE ☐ RENEWED (M-S S-E) ☐ TEMPORARY

4 DWELLING: (PLEASE CHECK ONE BOX)

RESIDENTIAL

- ☒ Single Family Metered
☐ Multi Family Metered
☐ Unmetered Service
☐ Multi Family Compound
☐ Multi Family FS Only
☐ Hydrant Only
☐ Irrigation
☐ Single Family FS

COMMERCIAL

- ☐ Metered
☐ Fire Service Only
☐ Compound
☐ Hydrant Only
☐ Irrigation
☐ FS & ____ Hydts

INDUSTRIAL

- ☐ Metered
☐ Fire Service Only
☐ Contract
☐ Compound
☐ Anheuser Busch
☐ Hydrant Only
☐ Irrigation
☐ FS & ____ Hydts

MUNICIPAL

- ☐ Metered
☐ Fire Service Only
☐ Contract
☐ Compound
☐ Hydrant Only
☐ Irrigation
☐ FS & ____ Hydts

METER SIZE 5/8"
SERVICE SIZE* 1"
EST. PRESSURE 58-60

METER TYPE (DISK TURBINE)
MATERIAL TYPE C.T.

*Service must be 1" inside unless otherwise stated.

PRESSURE RELEASE FORM REQ'D YES ☐ NO ☒

BOOSTER PUMP REQUIRED YES ☐ NO ☒

PRESSURE REDUCING VALVE REQ'D YES ☐ NO ☒

TYPE OF BACKFLOW PREVENTER REQ'D* HIGH HAZARD ☐

NOTES: _____ LOW HAZARD ☐

RESIDENTIAL DUAL CHECK ☒
(as provided)

OTHER DEVICE (DESCRIPTION) ☐

Service#	House#	Lot#	Location
100028194	20	8	STINSON DR



PENNICHUCK
WATER

25 Manchester Street
Merrimack, NH 03054
(603) 882-5191
Fax (603) 913-2305

APPLICATION FOR SERVICE INSTALLATION

The undersigned hereby makes application to Pennichuck Water Works, hereinafter called the "Company" for a service installation to provide water service at 21 STINSON DRIVE, UNIT 9, NASHUA the undersigned agrees that the Company may enter upon the property of the undersigned to install/inspect the service pipe. The undersigned and the Company agree to install the service pipe according to its standards.

The Company reserves the right to require a deposit to be made prior to the start of the work. Where the amount of the deposit exceeds the cost of the work, the Company will refund the difference to the undersigned. If the cost of the work exceeds the amount of the deposit, the undersigned agrees to pay the difference. Any work order not completed within two years will be closed and all deposits will be refunded to the customer along with a letter instructing them to re-apply for service when the job is closer to completion.

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Note: On all new residential domestic services and residential service renewals, the Company will install a backflow prevention device at the service entrance. It is the responsibility of the property owner to install a suitable expansion tank and pressure release valve on water heaters on the premises to prevent damage resulting from lack of pressure relief through the water line. The company may require the property owner to install increased levels of backflow prevention protection.

OWNER: STINSON PARK ASSOCIATES, LLC

SIGNATURE: Chadley J. [Signature]

STREET 5 FARMINGTON RD.

BY: RANDY [Signature]

CITY NASHUA, NH

DATE: 5/21/13

ZIP 03060

PHONE NO. (H) 603-234-1882

(W) _____

Fee Schedule - to be paid upon filing of application..

Meter Set-Up Fee	_____
Inspection Fee	<u>\$300.00</u>
Pressure Release Filing	_____
Jobbing Fee	_____
Tapping Fee	_____
Total Required:	<u>\$300.00</u>

*Backflow 1195
7/25/13
RP 5/21/13*

APPLICATION FOR SERVICE INSTALLATION

4 TYPE: (PLEASE CHECK ONE BOX) SERVICE NUMBER _____

☒ NEW SERVICE ☐ RENEWED (M-S S-E) ☐ TEMPORARY

4 DWELLING: (PLEASE CHECK ONE BOX)

RESIDENTIAL

- ☒ Single Family Metered
- ☐ Multi Family Metered
- ☐ Unmetered Service
- ☐ Multi Family Compound
- ☐ Multi Family FS Only
- ☐ Hydrant Only
- ☐ Irrigation
- ☒ Single Family FS

COMMERCIAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Compound
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ____ Hydts

INDUSTRIAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Contract
- ☐ Compound
- ☐ Anheuser Busch
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ____ Hydts

MUNICIPAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Contract
- ☐ Compound
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ____ Hydts

METER SIZE

SERVICE SIZE*

EST. PRESSURE

1.5"

60

METER TYPE (DISK TURBINE)

MATERIAL TYPE C.T.

*Service must be 1" inside unless otherwise stated.

PRESSURE RELEASE FORM REQ'D

YES ☐

NO ☒

BOOSTER PUMP REQUIRED

YES ☐

NO ☒

PRESSURE REDUCING VALVE REQ'D

YES ☐

NO ☒

TYPE OF BACKFLOW PREVENTER REQ'D*

HIGH HAZARD ☐

NOTES: _____

LOW HAZARD ☒

RESIDENTIAL DUAL CHECK ☐

(as provided)

OTHER DEVICE (DESCRIPTION) ☐

Service#

House#

Lot#

Location

21

9

STINSON RD, NASHUA



25 Manchester Street
Merrimack, NH 03054
(603) 882-5191
Fax (603) 913-2305

APPLICATION FOR SERVICE INSTALLATION

The undersigned hereby makes application to Pennichuck Water Works, hereinafter called the "Company" for a service installation to provide water service at STINSON DRIVE, NASHUA, NH the undersigned agrees that the Company may enter upon the property of the undersigned to install/inspect the service pipe. The undersigned and the Company agree to install the service pipe according to its standards.

The Company reserves the right to require a deposit to be made prior to the start of the work. Where the amount of the deposit exceeds the cost of the work, the Company will refund the difference to the undersigned. If the cost of the work exceeds the amount of the deposit, the undersigned agrees to pay the difference. Any work order not completed within two years will be closed and all deposits will be refunded to the customer along with a letter instructing them to re-apply for service when the job is closer to completion.

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Note: On all new residential domestic services and residential service renewals, the Company will install a backflow prevention device at the service entrance. It is the responsibility of the property owner to install a suitable expansion tank and a pressure release valve on water heaters on the premises to prevent damage resulting from lack of pressure relief through the water line. The company may require the property owner to install increased levels of backflow prevention protection.

OWNER: STINSON PARK ASSOCIATES, LLC

SIGNATURE: [Signature]

STREET 5 FARMINGTON RD.

BY: RANDY TURNER mgr

CITY NASHUA, NH

DATE: 5/21/13

ZIP 03060

PHONE NO. (H) 603-234-1882

(W) _____

Fee Schedule - to be paid upon filing of application..

Meter Set-Up Fee	\$621.00
Inspection Fee	\$480.00
Pressure Release Filing	
Jobbing Fee	
Tapping Fee	
Total Required:	\$1,101.00

Check 1195
O.R.P. 5/21/13

APPLICATION FOR SERVICE INSTALLATION

4 TYPE: (PLEASE CHECK ONE BOX) SERVICE NUMBER _____

☒ NEW SERVICE ☐ RENEWED (M-S S-E) ☐ TEMPORARY

4 DWELLING: (PLEASE CHECK ONE BOX)

RESIDENTIAL

- ☒ Single Family Metered
☐ Multi Family Metered
☐ Unmetered Service
☐ Multi Family Compound
☐ Multi Family FS Only
☐ Hydrant Only
☐ Irrigation
☐ Single Family FS

COMMERCIAL

- ☐ Metered
☐ Fire Service Only
☐ Compound
☐ Hydrant Only
☐ Irrigation
☐ FS & ___ Hydts

INDUSTRIAL

- ☐ Metered
☐ Fire Service Only
☐ Contract
☐ Compound
☐ Anheuser Busch
☐ Hydrant Only
☐ Irrigation
☐ FS & ___ Hydts

MUNICIPAL

- ☐ Metered
☐ Fire Service Only
☐ Contract
☐ Compound
☐ Hydrant Only
☐ Irrigation
☐ FS & ___ Hydts

METER SIZE 5/8
SERVICE SIZE* 1.5" PE
TEST PRESSURE 60

METER TYPE (DISK TURBINE)
MATERIAL TYPE C.T.

*Service must be 1" inside unless otherwise stated.

PRESSURE RELEASE FORM REQ'D YES ☐ NO ☒

BOOSTER PUMP REQUIRED YES ☐ NO ☒

PRESSURE REDUCING VALVE REQ'D YES ☐ NO ☒

TYPE OF BACKFLOW PREVENTER REQ'D* HIGH HAZARD ☐

NOTES: SERVICE MUST BE REDUCED TO 1" CT INSIDE AND BRACED PER SPEC SHEET LOW HAZARD ☐

RESIDENTIAL DUAL CHECK ☒

(as provided)

OTHER DEVICE (DESCRIPTION) ☐

Service#	House#	Lot#	Location
27818	21 1303271	9 1303276	STINSON RD, NASHUA
27819	8 1303277	3 1303278	STINSON RD, NASHUA
27820	4 1303279	2 1303280	STINSON RD, NASHUA
		1303281	



PENNICHUCK

25 Manchester Street
Merrimack, NH 03054
(603) 882-5191
Fax (603) 913-2305

APPLICATION FOR SERVICE INSTALLATION

The undersigned hereby makes application to Pennichuck Water Works, hereinafter called the "Company" for a service installation to provide water service at 77 Deerwood Dr Nashua Unit, A, B, C, D, E, F, G & Irrigation the undersigned agrees that the Company may enter upon the property of the undersigned to install/inspect the service pipe. The undersigned and the Company agree to install the service pipe according to its standards.

The Company reserves the right to require a deposit to be made prior to the start of the work. Where the amount of the deposit exceeds the cost of the work, the Company will refund the difference to the undersigned. If the cost of the work exceeds the amount of the deposit, the undersigned agrees to pay the difference. **Any work order not completed within two years will be closed and all deposits will be refunded to the customer along with a letter instructing them to re-apply for service when the job is closer to completion.**

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Note: On all new residential domestic services and residential service renewals, the Company will install a backflow prevention device at the service entrance. It is the responsibility of the property owner to install a suitable expansion tank and a pressure release valve on water heaters on the premises to prevent damage resulting from lack of pressure relief through the water line. The company may require the property owner to install increased levels of backflow prevention protection.

OWNER: 75 Deerwood Drive LLC

SIGNATURE: 

STREET 2 Knightsbridge Dr

BY: Peter Solt

CITY Nashua

DATE: 3/27/17

ZIP 03063

PHONE NO. (H) 603-315-9249

(W) 603 889-5160

K 114

Fee Schedule - to be paid upon filing of application..

Meter Set-Up Fee	<u>\$1,976.00</u>
Inspection Fee	<u>\$160.00</u>
Pressure Release Filing	<u>\$21.00</u>
Jobbing Fee	<u> </u>
Tapping Fee	<u> </u>
Total Required:	<u>\$2,157.00</u>

Received 3/28/2017
AMT \$2,157.00
CHU # 1423 DM.

APPLICATION FOR SERVICE INSTALLATION

4 TYPE: (PLEASE CHECK ONE BOX) SERVICE NUMBER _____

☒ NEW SERVICE ☐ RENEWED (M-S S-E) ☐ TEMPORARY

4 DWELLING: (PLEASE CHECK ONE BOX)

RESIDENTIAL

- ☒ Single Family Metered
☐ Multi Family Metered
☐ Unmetered Service
☐ Multi Family Compound
☐ Multi Family FS Only
☐ Hydrant Only
☒ Irrigation
☐ Single Family FS

COMMERCIAL

- ☐ Metered
☐ Fire Service Only
☐ Compound
☐ Hydrant Only
☐ Irrigation
☐ FS & ___ Hydts

INDUSTRIAL

- ☐ Metered
☐ Fire Service Only
☐ Contract
☐ Compound
☐ Anheuser Busch
☐ Hydrant Only
☐ Irrigation
☐ FS & ___ Hydts

MUNICIPAL

- ☐ Metered
☐ Fire Service Only
☐ Contract
☐ Compound
☐ Hydrant Only
☐ Irrigation
☐ FS & ___ Hydts

METER SIZE 5/8"
SERVICE SIZE* 1"
EST. PRESSURE 88

METER TYPE (DISK TURBINE)
MATERIAL TYPE C.T.

*Service must be 1" inside unless otherwise stated.

PRESSURE RELEASE FORM REQ'D YES ☒ NO ☐

BOOSTER PUMP REQUIRED YES ☐ NO ☒

PRESSURE REDUCING VALVE REQ'D YES ☒ NO ☐

TYPE OF BACKFLOW PREVENTER REQ'D* HIGH HAZARD ☒

NOTES: A High Hazard Back Flow LOW HAZARD ☐
is required for the irrigation
meter. All domestic meters
require a pressure reducing
valve.

RESIDENTIAL DUAL CHECK ☒

(as provided)

OTHER DEVICE (DESCRIPTION) ☐

Service#	House#	Lot#	Location
100028811	77 1702371	Unit A	Deerwood Dr
100028812	77 1702372	Unit B	Deerwood Dr
100028813	77 1702373	Unit C	Deerwood Dr
100028814	77 1702374	Unit D	Deerwood Dr
100028815	77 1702375	Unit E	Deerwood Dr
100028816	77 1702376	Unit F	Deerwood Dr
100028817	77 1702377	Unit G	Deerwood Dr
100028818	77 1702378	Irrigation	Deerwood Dr



PENNICHUCK

APPLICATION FOR SERVICE INSTALLATION

A-G

The undersigned hereby makes application to Pennichuck Water Works, hereinafter called the "Company" for a service installation to provide water service at 77 Deerwood Dr Nashua Fire Service the undersigned agrees that the Company may enter upon the property of the undersigned to install/inspect the service pipe. The undersigned and the Company agree to install the service pipe according to its standards.

The Company reserves the right to require a deposit to be made prior to the start of the work. Where the amount of the deposit exceeds the cost of the work, the Company will refund the difference to the undersigned. If the cost of the work exceeds the amount of the deposit, the undersigned agrees to pay the difference. **Any work order not completed within two years will be closed and all deposits will be refunded to the customer along with a letter instructing them to re-apply for service when the job is closer to completion.**

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Note: On all new residential domestic services and residential service renewals, the Company will install a backflow prevention device at the service entrance. It is the responsibility of the property owner to install a suitable expansion tank and pressure release valve on water heaters on the premises to prevent damage resulting from lack of pressure relief through the water line. The company may require the property owner to install increased levels of backflow prevention protection.

OWNER: 75 Deerwood Drive LLC

SIGNATURE: [Signature]

STREET 2 Knightsbridge Dr

BY: Peter D. O'Neil

CITY Nashua

DATE: 4/7/17

ZIP 03063

PHONE NO. (H) 603-315-9249

(W) 603-889-5160
x 114

Fee Schedule - to be paid upon filing of application..

Meter Set-Up Fee	_____
Inspection Fee	<u>\$300.00</u>
Pressure Release Filing	_____
Jobbing Fee	_____
Tapping Fee	_____
Total Required:	<u>\$300.00</u>

Received 4/7/2017
AMT \$300.00
CHK # 14310M

APPLICATION FOR SERVICE INSTALLATION

TYPE: (PLEASE CHECK ONE BOX) SERVICE NUMBER _____

☒ NEW SERVICE ☐ RENEWED (M-S S-E) ☐ TEMPORARY

4 DWELLING: (PLEASE CHECK ONE BOX)

RESIDENTIAL

- ☐ Single Family Metered
- ☐ Multi Family Metered
- ☐ Unmetered Service
- ☐ Multi Family Compound
- ☒ Multi Family FS Only
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ Single Family FS

COMMERCIAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Compound
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ___ Hydts

INDUSTRIAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Contract
- ☐ Compound
- ☐ Anheuser Busch
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ___ Hydts

MUNICIPAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Contract
- ☐ Compound
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ___ Hydts

METER SIZE

SERVICE SIZE*

4"

TEST. PRESSURE

88

METER TYPE (DISK TURBINE)

MATERIAL TYPE C.T.

*Service must be 1" inside unless otherwise stated.

PRESSURE RELEASE FORM REQ'D YES ☐ NO ☒

BOOSTER PUMP REQUIRED YES ☐ NO ☒

PRESSURE REDUCING VALVE REQ'D YES ☐ NO ☒

TYPE OF BACKFLOW PREVENTER REQ'D* HIGH HAZARD ☐

NOTES: A Low Hazard Back Flow

LOW HAZARD ☒

is required for the 4" Fire

Service <100'

This Fire Services 75A, B & C

Deerwood Dr Nashua.

RESIDENTIAL DUAL CHECK ☐

(as provided)

OTHER DEVICE (DESCRIPTION) ☐

Service#	House#	Lot#	Location
100228821	77 A - C	097-1702402	Deerwood Dr



PENNICHUCK

APPLICATION FOR SERVICE INSTALLATION

The undersigned hereby makes application to Pennichuck Water Works, hereinafter called the "Company" for a service installation to provide water service at 32 A & B and 34 A & B Perham St Nashua the undersigned agrees that the Company may enter upon the property of the undersigned to install/inspect the service pipe. The undersigned and the Company agree to install the service pipe according to its standards.

St.Gobain Performance Plastics Corporation Solon, Ohio is solely responsible in providing both the Labor and Materials for you to have access to Pennichuck Water Works Inc. water supply.

The undersigned agrees that barring acts of negligence, the undersigned will not make any claim or bring any action to enforce such a claim against the Company by reason of any loss, damage, costs or expenses which the undersigned may suffer, incur or pay by reason of the installation requested by this application and the operation thereof.

In case where multiple services are being provided to buildings on a single, private lot from a water main installed on the same private property, the provision of water service is contingent upon the owner granting to Pennichuck Water Works formal rights of access to maintain water company piping on the subject lot, to enter all buildings for the purpose of reading and maintaining water meters and to discontinue service to any individual building within the subject lot for non payment of water bills or for other reasons as defined in Pennichuck Water Work's NH Public Utilities Commission Tariff.

Note: On all new residential domestic services and residential service renewals, the Company will install a backflow prevention device at the service entrance. It is the responsibility of the property owner to install a suitable expansion tank and a pressure release valve on water heaters on the premises to prevent damage resulting from lack of pressure relief through the water line. The company may require the property owner to install increased levels of backflow prevention protection.

OWNER: Brian Corriveau

SIGNATURE: _____

STREET 17 Marshall St

BY: Brian Corriveau

CITY Nashua

DATE: 5/1/17

ZIP 03060

PHONE NO. (H) 603-880-9988

(W) _____

Fee Schedule - to be paid upon filing of application..

Meter Set-Up Fee	<u>\$988.00</u>
Inspection Fee	<u>\$160.00</u>
Pressure Release Filing	_____
Jobbing Fee	_____
Tapping Fee	_____
Total Required:	<u>\$1,148.00</u>

Received 5/1/17
AMT. \$1,148.00
CHG # 3007 DM

APPLICATION FOR SERVICE INSTALLATION

4 TYPE: (PLEASE CHECK ONE BOX) SERVICE NUMBER _____

☐ NEW SERVICE ☒ RENEWED (M-S S-E) ☐ TEMPORARY

4 DWELLING: (PLEASE CHECK ONE BOX)

RESIDENTIAL

- ☐ Single Family Metered
- ☒ Multi Family Metered
- ☐ Unmetered Service
- ☐ Multi Family Compound
- ☐ Multi Family FS Only
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ Single Family FS

COMMERCIAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Compound
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ___ Hydts

INDUSTRIAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Contract
- ☐ Compound
- ☐ Anheuser Busch
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ___ Hydts

MUNICIPAL

- ☐ Metered
- ☐ Fire Service Only
- ☐ Contract
- ☐ Compound
- ☐ Hydrant Only
- ☐ Irrigation
- ☐ FS & ___ Hydts

METER SIZE 5/8"
SERVICE SIZE* 1"
EST. PRESSURE 70

METER TYPE (DISK TURBINE)
MATERIAL TYPE C.T.

*Service must be 1" inside unless otherwise stated.

PRESSURE RELEASE FORM REQ'D YES ☐ NO ☒

BOOSTER PUMP REQUIRED YES ☐ NO ☐

PRESSURE REDUCING VALVE REQ'D YES ☐ NO ☐

TYPE OF BACKFLOW PREVENTER REQ'D* HIGH HAZARD ☐

NOTES: Existing 1" CT Service LOW HAZARD ☐
Line

RESIDENTIAL DUAL CHECK ☒
(as provided)

OTHER DEVICE (DESCRIPTION) ☐

Service#	House#	Lot#	Location	050-	054-
100028852	32	1704136	A 1704137	Perham ST. 1104142	1704146
100028853	32		B 1704138	Perham ST. 43	141
100028854	34		A 1704140	Perham ST. 44	148
100028855	34		B 1704141	Perham ST. 45	149

* One inspection charged for all in duplicates



PENNICHUCK®

Page 27 of 28
25 Manchester Street
Merrimack, NH 03054
(603) 882-5191
Fax (603) 913-2305

APPLICATION FOR SERVICE INSTALLATION

The undersigned hereby makes application to Pennichuck Water Works, hereinafter called the "Company" for a service installation to provide water service at 62 d, e, f, g & h Lake St, Nashua, NH the undersigned agrees that the Company may enter upon the property of the undersigned to install/inspect the service pipe. The undersigned and the Company agree to install the service pipe according to its standards.

The Company reserves the right to require a deposit to be made prior to the start of the work. Where the amount of the deposit exceeds the cost of the work, the Company will refund the difference to the undersigned. If the cost of the work exceeds the amount of the deposit, the undersigned agrees to pay the difference. **Any work order not completed within two years will be closed and all deposits will be refunded to the customer along with a letter instructing them to re-apply for service when the job is closer to completion.**

The undersigned agrees that barring acts of negligence, the undersigned will not make any claim or bring any action to enforce such a claim against the Company by reason of any loss, damage, costs or expenses which the undersigned may suffer, incur or pay by reason of the installation requested by this application and the operation thereof.

In case where multiple services are being provided to buildings on a single, private lot from a water main installed on the same private property, the provision of water service is contingent upon the owner granting to Pennichuck Water Works formal rights of access to maintain water company piping on the subject lot, to enter all buildings for the purpose of reading and maintaining water meters and to discontinue service to any individual building within the subject lot for non payment of water bills or for other reasons as defined in Pennichuck Water Work's NH Public Utilities Commission Tariff.

Note: On all new residential domestic services and residential service renewals, the Company will install a backflow prevention device at the service entrance. It is the responsibility of the property owner to install a suitable expansion tank and a pressure release valve on water heaters on the premises to prevent damage resulting from lack of pressure relief through the water line. The company may require the property owner to install increased levels of backflow prevention protection.

OWNER: CPC Investments LLC

SIGNATURE: [Signature]

STREET 17 Marshall St

BY: [Signature]

CITY Nashua

DATE: 11/20/17

ZIP 03060

PHONE NO. (H) 603-231-2655

(W) _____

Fee Schedule - to be paid upon filing of application..

Meter Set-Up Fee	<u>\$1,535.00</u>
Inspection Fee	<u>\$800.00</u>
Pressure Release Filing	<u>\$105.00</u>
Jobbing Fee	<u> </u>
Tapping Fee	<u> </u>
Total Required:	<u>\$2,440.00</u>

APPLICATION FOR SERVICE INSTALLATION

4 TYPE: (PLEASE CHECK ONE BOX) SERVICE NUMBER _____

☒ NEW SERVICE ☐ RENEWED (M-S S-E) ☐ TEMPORARY

4 DWELLING: (PLEASE CHECK ONE BOX)

RESIDENTIAL

- ☒ Single Family Metered
☐ Multi Family Metered
☐ Unmetered Service
☐ Multi Family Compound
☐ Multi Family FS Only
☐ Hydrant Only
☐ Irrigation
☒ Single Family FS

COMMERCIAL

- ☐ Metered
☐ Fire Service Only
☐ Compound
☐ Hydrant Only
☐ Irrigation
☐ FS & ___ Hydts

INDUSTRIAL

- ☐ Metered
☐ Fire Service Only
☐ Contract
☐ Compound
☐ Anheuser Busch
☐ Hydrant Only
☐ Irrigation
☐ FS & ___ Hydts

MUNICIPAL

- ☐ Metered
☐ Fire Service Only
☐ Contract
☐ Compound
☐ Hydrant Only
☐ Irrigation
☐ FS & ___ Hydts

METER SIZE 1"
SERVICE SIZE* 1.5" P.E.
EST. PRESSURE 83

METER TYPE (DISK TURBINE)
MATERIAL TYPE C.T.

*Service must be 1" inside unless otherwise stated.

PRESSURE RELEASE FORM REQ'D YES ☒ NO ☐

BOOSTER PUMP REQUIRED YES ☐ NO ☒

PRESSURE REDUCING VALVE REQ'D YES ☒ NO ☐

TYPE OF BACKFLOW PREVENTER REQ'D* HIGH HAZARD ☐

NOTES: This is a 1" meter for a LOW HAZARD ☐

residential home with 1.5"

fire service

RESIDENTIAL DUAL CHECK ☒

(as provided)

OTHER DEVICE (DESCRIPTION) ☐

Service#	House#	Lot#	Location
100029068	62 1720311	a 1720345	Lake St
100029069	62 12	b F	46 Lake St
100029070	62 13	c F	47 Lake St
100029071	62 14	d 6	48 Lake St
100029072	62 15	e 11	49 Lake St

DW 18-076
Pennichuck Water Works, Inc.
REDACTED VERSION

Pennichuck Water Works, Inc.
DW18-075
Staff Data Request 1-4
Attachment Staff 1-4-b-c-d

Redacted

Street #	Street Name	City	Service Option ²	Service Size	Meter Install Date	Meter Size Installed	Monthly Customer Meter Charge ¹	Monthly Fire Protection Charge ¹	Proposed Charges		Proposed Credit ³
									Monthly Customer Meter Charge ¹	Monthly Fire Protection Charge ¹	
	Stinson Dr	Nashua	2	2"	5/8"	9/3/14	\$ 22.58	\$ 62.03	\$ 22.58	\$ 15.50	\$ 1,466.77
	Stinson Dr	Nashua	2	2"	5/8"	12/3/14	\$ 22.58	\$ 62.03	\$ 22.58	\$ 15.50	\$ 1,466.77
	Stinson Dr	Nashua	2	2"	5/8"	5/15/15	\$ 22.58	\$ 62.03	\$ 22.58	\$ 15.50	\$ 1,215.25
	Stinson Dr	Nashua	2	2"	5/8"	6/15/15	\$ 22.58	\$ 62.03	\$ 22.58	\$ 15.50	\$ 1,173.33
	Stinson Dr	Nashua	2	2"	5/8"	4/20/16	\$ 22.58	\$ 62.03	\$ 22.58	\$ 15.50	\$ 712.21
	Perham St	Nashua	1	1"	1"	10/31/17	\$ 52.35	\$ -	\$ 22.58	\$ 6.51	\$ 255.86
	Perham St	Nashua	1	1"	1"	10/31/17	\$ 52.35	\$ -	\$ 22.58	\$ 6.51	\$ 255.86
	Perham St	Nashua	1	1"	1"	12/11/17	\$ 52.35	\$ -	\$ 22.58	\$ 6.51	\$ 232.60
	Perham St	Nashua	1	1"	1"	2/5/18	\$ 52.35	\$ -	\$ 22.58	\$ 6.51	\$ 186.08
	Deerwood Dr	Nashua	1	1.5"	1"	3/28/18	\$ 52.35	\$ -	\$ 22.58	\$ 6.51	\$ 139.56
	Deerwood Dr	Nashua	1	1.5"	1"	4/3/18	\$ 52.35	\$ -	\$ 22.58	\$ 6.51	\$ 139.56
	Deerwood Dr	Nashua	1	1.5"	1"	4/3/18	\$ 52.35	\$ -	\$ 22.58	\$ 6.51	\$ 139.56
	Deerwood Dr	Nashua	1	1.5"	1"	4/3/18	\$ 52.35	\$ -	\$ 22.58	\$ 6.51	\$ 139.56
	Deerwood Dr	Nashua	1	1.5"	1"	4/3/18	\$ 52.35	\$ -	\$ 22.58	\$ 6.51	\$ 139.56
	Pinehurst Dr	Nashua	1	1"	1"	4/12/18	\$ 52.35	\$ -	\$ 22.58	\$ 6.51	\$ 139.56
	Lake St	Nashua	1	1"	1"	4/17/18	\$ 52.35	\$ -	\$ 22.58	\$ 6.51	\$ 139.56
	Lake St	Nashua	1	1"	1"	4/25/18	\$ 52.35	\$ -	\$ 22.58	\$ 6.51	\$ 116.30
	Lake St	Nashua	1	1"	1"	4/25/18	\$ 52.35	\$ -	\$ 22.58	\$ 6.51	\$ 116.30
	Lake St	Nashua	1	1"	1"	4/25/18	\$ 52.35	\$ -	\$ 22.58	\$ 6.51	\$ 116.30
	Lake St	Nashua	1	1"	1"	4/25/18	\$ 52.35	\$ -	\$ 22.58	\$ 6.51	\$ 116.30
Total Proposed Customer Credit -										\$	8,406.85

Notes:

1. Current rates as of 12/7/2016. Rates prior to 12/7/2016 were \$20.34 per month for a 5/8 meter customer charge was \$20.34 and \$55.88 per month for a 4" or smaller non-metered Fire Service charge.
2. Service Option 1 is single service with an upsized meter to allow for the passage of both domestic and fire flows.
Service Option two has two services, one for domestic service which is metered with a 5/8" meter and one that is non metered for fire protection.
3. Proposed credit is based on both Option 1 and Option 2 services being charged the monthly customer service charge for a 5/8" meter as well as the charge for either a 2" or 1.5" or smaller non-metered fire service. Proposed credit assumes that the requested tariff changes are approved in October of 2018.

Pennichuck Water Works, Inc.
DW 18-076

PWW-Small Diameter Private Fire Protection
Responses to Staff Data Requests – Set 1

Date Request Received: 7/12/18
Request No. Staff 1-5

Date of Response: 7/26/18
Witness: Donald L. Ware

REQUEST: Re Ware testimony, page 4, lines 5-12.

- a) Please confirm that the company has not charged “Option 1” customers the current tariffed rate for private fire protection-non-metered service;
- b) Please explain why the company has not charged customers with a 1” meter for private non-metered fire protection service, as required by the current tariff for “4” and smaller connection[s]”.
- c) Please explain why the company charged “Option 2” customers for private non-metered fire protection service but not “Option 1” customers.

RESPONSE:

- a) That is correct. All PWW customers with Option 1 service have been charged only for the customer charge for a 1” meter. No Option 1 customer has been charged for non-metered private fire protection.
- b) If all water flows go through a meter, then there is no “non-metered” private fire protection service. Therefore, there would be no charge for private fire protection service. All water entering and being used by Option 1 customers is metered.
- c) Option 2 customers have two services, one of which is non-metered and provides the water feed to a private fire protection system. Per PWW’s tariff non-metered fire protection services are assessed a monthly private fire protection fee. As explained above, Option 1 customers do not have a second non-metered service. All water into an option 1 residence is metered so there would be no charge for non-metered private fire service as there is no non-metered service.

Pennichuck Water Works, Inc.
DW 18-076

PWW-Small Diameter Private Fire Protection
Responses to Staff Data Requests – Set 1

Date Request Received: 7/12/18
Request No. Staff 1-6

Date of Response: 7/26/18
Witness: Donald L. Ware

REQUEST: Re Ware testimony, page 5, lines 12 through 16.

- a) Please quantify the impact on unaccounted-for or lost water of the “unregistered or under registered” usage of the domestic services with upsized 1” meters.
- b) Please quantify the revenue impact for the above.

RESPONSE:

a) As described in testimony, a 1” meter will accurately measure water flows down to $\frac{3}{4}$ Gallons Per Minute (“GPM”) where a $\frac{5}{8}$ meter accurately measures water flow down to $\frac{1}{4}$ GPM. There is no accurate way to quantify how much water is being used in a household at a rate of less than $\frac{3}{4}$ GPM. Based on water fixture specifications the range of commercially available low flow fixtures for a kitchen faucet and showerhead is between 1.5 and 2.2 GPM. Commercially available bathroom sink faucets range in flow from 0.5 to 1.5 GPM. Flows can also be restricted to less than $\frac{3}{4}$ GPM by not fully opening a faucet. According to EPA WaterSense 19% of household water usage is used through household faucets. If 50% of the household faucet usage is used through bathroom faucets and 20% of the usage was at less than $\frac{3}{4}$ GPM with 90% of that low flow being registered (A Neptune T-10 meter registers 90% of flows at $\frac{1}{4}$ GPM while a $\frac{5}{8}$ ” meter registers 99% of that flow) and an average household uses 120 gallons per day the potential under registration would be:

$120 \text{ gallons/day} \times 0.20 \times 0.19 \times 0.50 \times 0.10 = 0.23 \text{ gallons per day of unaccounted for water}$
or 83 gallons per year of unmetered water. During the winter months this translates to about 0.2% unaccounted for water.

For a single-family house this would translate to about \$0.41 per year in lost revenues.

As stated above this calculation makes a number of assumptions that would vary from household to household. Whereas PWW is asking to grandfather 15 services, and based upon the stated assumptions, leaving the 1” meters in place would result in about \$6.15 per year of lost revenue.

Pennichuck Water Works, Inc.
DW 18-076

PWW-Small Diameter Private Fire Protection
Responses to Staff Data Requests – Set 1

Date Request Received: 7/12/18
Request No. Staff 1-7

Date of Response: 7/26/18
Witness: Donald L. Ware

REQUEST: Re Ware testimony, page 5, lines 17 through 20.

- a) Please quantify the revenue impact of the additional meter testing required for the domestic services with 1" meters.
- b) How will the company recover the "additional cost of performing periodic meter testing" of the 1" meters used by the "grandfathered" customers if those customers are charged a rate that does not include recovery for those costs?

RESPONSE:

- a) The cost to test a 5/8" meter and a 1" meter is the same. Based on current labor and benefit expenses the cost to test either a 5/8" or 1" meter is about \$14 per meter. There is one hour of labor and truck associated with each periodic meter test. One hour of labor, benefits, and truck time equates to a cost of about \$58 per hour. Consequently, the current cost of a meter test is about \$72 per test.

Based upon the fact that a 5/8" meter is tested once every 10 years versus a 1" meter being tested every 4 years the increase in testing costs over a 10-year period for a 1" meter versus a 5/8" meter is about \$108 over 10 years or about \$10.80 per year per grandfathered meter. If PWW's tariff change is accepted there would be 15 grandfathered Option 1 services resulting in a revenue shortfall from these 15 customers of about \$162 per year.

- b) The extra expense of completing the additional meter testing on 1" meters would be part of the operating expenses that create the revenue requirement in the next rate case where these expenses are incurred. The first year that extra meter testing expenses would occur will be 2021 based upon the meter installation dates. The additional meter testing expenses will be captured in the fixed customer charge associated with meters and will result in an unmeasurable subsidy due to the small number of customers that the Company seeks to grandfather.

Pennichuck Water Works, Inc.
DW 18-076

PWW-Small Diameter Private Fire Protection
Responses to Staff Data Requests – Set 1

Date Request Received: 7/12/18
Request No. Staff 1-8

Date of Response: 7/26/18
Witness: Donald L. Ware

REQUEST: Re Ware testimony, page 6, lines 11-14. When did the company first learn that it had at least 30 customers that are “being overcharged for their service” and that it had been “under-collecting for the actual water used” by those customers?

RESPONSE:

No customers have been overcharged for their service based upon the current tariff. All customers are paying the tarified rate for their service based on meter size and whether they have a non-metered private fire protection service.

On page 6, lines 11-14 of my testimony, I was articulating policy reasons why the Company’s opinion is that the current tariff does not provide an appropriate rate for small diameter (less than 4”) private fire services, and as a result, the Company is seeking to establish a tariff that is more fair to customers who have elected to, or are being required, under certain community building codes, to install small diameter private fire services.

The Company’s concern for lack of an appropriate tariff for this type of service began last fall as a result of a number of subdivisions in Pennichuck East Utility having this type of service being installed, as well as a few services in PWW being proposed for this type of service. The Company believes that the current tariff rate for 4” and under non-metered private fire protection results in customers with small diameter fire services (1-1/2” and 2”) paying more than they should for the service being provided.

Pennichuck Water Works, Inc.
DW 18-076

PWW-Small Diameter Private Fire Protection
Responses to Staff Data Requests – Set 1

Date Request Received: 7/12/18
Request No. Staff 1-9

Date of Response: 7/26/18
Witness: Donald L. Ware

REQUEST: Re Ware testimony, page 6, lines 16-23. Under the current tariff, why isn't the cost of Option 1 \$114.38 (\$52.35 for 1" meter plus \$62.03 for private non-metered fire protection service for 4" and smaller connections)?

RESPONSE:

There is no charge for a private non-metered fire protection service for an Option 1 customer because all water is metered. There is no non-metered service connection for an Option 1 customer, hence there is no charge for that type of service as it does not exist for this customer type.

Pennichuck Water Works, Inc.
DW 18-076

PWW-Small Diameter Private Fire Protection
Responses to Staff Data Requests – Set 1

Date Request Received: 7/12/18
Request No. Staff 1-10

Date of Response: 7/26/18
Witness: Donald L. Ware

REQUEST: Re Ware testimony, page 8, line 19, to page 9, line 2. When does PWW expect its next rate filing?

RESPONSE:

PWW believes that its next rate case will have a 2018 test year and will be filed in the summer of 2019.

Pennichuck Water Works, Inc.
DW 18-076

PWW-Small Diameter Private Fire Protection
Responses to Staff Data Requests – Set 1

Date Request Received: 7/12/18
Request No. Staff 1-11

Date of Response: 7/26/18
Witness: Donald L. Ware

REQUEST: Re Ware testimony, page 10, line 10 through page 11, line 8. Please quantify the revenue impact of the creating the proposed “grandfathered” rate class.

RESPONSE:

As estimated in the response to Staff 1-6 and 1-7, the theoretical impact of grandfathering the 15 identified Option 1 services would be about \$11.21 per year in “lost” revenues per grandfathered customer (\$10.80 per year per customer for extra meter testing expense and \$0.41 per year for low flow water that is not metered or a total of \$11.21 per customer per year) resulting in a total estimated revenue impact of \$161.15 per year.

Pennichuck Water Works, Inc.
DW 18-076

PWW-Small Diameter Private Fire Protection
Responses to Staff Data Requests – Set 1

Date Request Received: 7/12/18
Request No. Staff 1-12

Date of Response: 7/26/18
Witness: Donald L. Ware

REQUEST: Re Ware testimony, page 11, lines 15-18.

- a) Please explain how the absence of small diameter fire protection rate groups in the tariff caused “Option 1” customers to be “stuck paying the higher monthly fee for a 1” meter...”
- b) Is it the company’s position that the existence of small diameter fire protection rate groups addresses the contractor’s or developer’s incentive to use a single service? See, e.g., Ware testimony, p. 10, lines 16-18, and page 11, lines 12-15.

RESPONSE:

a) If the requested tariff change is not approved it leaves a customer who is required to, or wants to, install a small diameter private fire service paying the customer service charge on a 1” meter versus a 5/8” meter with a small diameter, non-metered private fire protection charge. Under the current tariff it is less expensive to pay for the customer charge associated with a 1” meter rather than installing two services (one metered domestic, one non-metered private fire), than it is to pay for the customer charge for a 5/8” meter and a 4” and smaller non-metered fire protection service.

b) Not by itself. The Contractor’s incentive to use a single service is only eliminated by requiring, via tariff, that two services (a metered domestic service and non-metered private fire protection service) must be installed where private fire protection is being provided. The developer cannot be allowed the choice of either an Option 1 service or an Option 2 service because the Option 1 will always have a lower installation cost, which is all the developer is concerned about. Once the developer is required to install two services, it is essential that an appropriate tariffed rate is charged to the customer of a 1-1/2”, 2” or 3” service as opposed to a single rate for 4” service and smaller in order to be more equitable to the customers and have the customer pay the appropriate cost of service based on the size of their non-metered private fire service.

Pennichuck Water Works, Inc.
DW 18-076

PWW-Small Diameter Private Fire Protection
Responses to Staff Data Requests – Set 1

Date Request Received: 7/12/18
Request No. Staff 1-13

Date of Response: 7/26/18
Witness: Donald L. Ware

REQUEST: Have any of the “grandfathered” customers used water for fire protection that the company is aware of? If so, how was the usage billed?

RESPONSE:

There is no way to know if a customer with a 1” meter has had an event where a sprinkler head has released and water was used for fire protection. Whereas all the water that went into and out of the sprinkler system went through the meter for such an event it would be billed at the tarified volumetric rate.

Pennichuck Water Works, Inc.
DW 18-076

PWW-Small Diameter Private Fire Protection
Responses to Staff Data Requests – Set 1

Date Request Received: 7/12/18
Request No. Staff 1-14

Date of Response: 7/26/18
Witness: Donald L. Ware

REQUEST: Is the company aware of any circumstances associated with the “grandfathered” customers’ homes, aside from private fire protection, that would necessitate a 1” meter?

RESPONSE:

No.

Pennichuck Water Works, Inc.
DW 18-076

PWW-Small Diameter Private Fire Protection Non-Metered Tariff
Responses to Staff Data Requests – Set 1

Date Request Received: 10/4/18
Request No. Staff 1-15

Date of Response: 10/11/18
Witness: Donald L. Ware

REQUEST:

Please provide an updated tariff page 45 that reflects the changes in how the Company will determine the appropriate size and billing for private fire service.

RESPONSE:

Please see attached.

RATE SCHEDULES
PRIVATE FIRE PROTECTION SERVICE
SCHEDULE FP-NM
STEP-INCREASE

Availability:

This rate is available for private fire protection and sprinkler service subject to the Private Fire Protection Regulations of paragraph 3143 of this tariff.

Character of Service:

The Company will make every effort to maintain normal pressures at all times on the distribution system, but shall not be held liable for the failure of either the supply or distribution division of its system to adequately furnish its normal quantity of water when such failure is due to the elements, natural causes, breaks, leaks, unusual or concurrent droughts, or waste or unlawful use of water.

Rate:

The charge shall be determined by the size of the **fire service tap to the pipe entering the property** as follows:

Monthly Customer Charge

1 ½" connections	\$	6.51
2" connections		15.50
3" connections		26.02
4" or smaller connections	\$	62.03
6" connections		104.08
8" or larger connections		153.25

Terms of Payment:

Bills under this rate are net; will be rendered monthly and are due and payable at the office of the Company on the due date as stated on water bill.

Issued: December 4, 2017 Issued by: Donald L. Ware
 Effective: November 7, 2017 Title: Chief Operating Officer

Authorized by NHPUC Order No. ~~26,070~~ Docket No. DW-16-806 dated ~~November 7, 2017~~.



Marcia A. Brown
Attorney at Law

Environmental Law ■ Utility Law

September 14, 2018

F. Anne Ross, Esq.
N.H. Public Utilities Commission
21 South Fruit Street, Suite 10
Concord, N.H. 03301

D. Maurice Kreis, Esq.
Office of the Consumer Advocate
21 South Fruit Street, Suite 18
Concord, N.H. 03301

Re: Docket No. DW 18-076 Pennichuck Water Works, Inc.
Docket No. DW 18-090 Pennichuck East Utility, Inc.
Petitions for Approval of Small Diameter Private Fire
Protection Non-Metered Service

Dear Attorneys Ross and Kreis:

This letter is to summarize additional actions Pennichuck Water Works, Inc.'s ("PWW") and Pennichuck East Utility, Inc.'s ("PEU") (together "Companies") agree to take with respect to the proposed tariff revisions. These actions are preconditioned on the Commission approving PWW and PEU's petitions. Therefore, in addition to the proposed tariff revisions, the Companies agree as follows:

- 1) Within thirty (30) days of a Commission decision approving the relief requested in the above-referenced petitions, the Companies agree to mail a letter to each municipality within their respective franchises, as well as to the building inspector and/or fire inspector of those municipalities. This letter will explain the tariff changes, Technical Specifications, and Design Standards relative to how metered and private fire protection services are to be installed. In the letter, the Companies will offer to meet with municipal officials. Prior to distributing this letter, the Companies agree to submit the draft letter to the Commission's Consumer Services Division for review.
- 2) The Companies agree to file a report with the Commission no later than December 31, 2018 describing which municipal officials the Companies sent letters to and which officials elected to meet with the Companies.
- 3) To allow the Commission additional time to review PWW and PEU's tariff proposals, PEU agrees to not implement the proposed tariff changes after the September 27, 2018 expiration date of the Commission's suspension order (Order No. 26,152); and PWW agrees to not implement the proposed tariff changes after the August 30, 2018 expiration date of the Commission's suspension order (Order No. 26,137).
- 4) The Companies agree to provide credit to certain customers to put those customers in the financial position they would have been in had the applicable proposed tariff rates been

available at the time the customer first took service. These credits are more specifically described in PWW's response to Staff 1-4 b-c-d and PEU's response to Staff 1-1 b-f. The relevant spreadsheets for those responses are attached hereto. The credits are calculated assuming the Companies are able to implement the proposed tariff changes in October, 2018.

The Companies are glad for the opportunity to discuss the proposed tariff changes with Staff and the Office of the Consumer Advocate ("OCA") and to have Staff and OCA's support for these changes. PWW and PEU believe the proposed changes will allow the Companies to offer more equitable fire protection rates in this burgeoning service category. We look forward to the Commission's approval.

If you have any questions, please do not hesitate to contact me at (603) 219-4911 or at mab@nhbrownlaw.com.

Very Truly Yours,



Marcia A. Brown

cc: Docket-Related Service Lists