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January 4, 2016

Debra A. Howland
Executive Director
New Hampshire Public Utilities Commission
21 S. Fruit St., Suite 10
Concord, New Hampshire 03301

Re: DW 15-476, Aquarion Water Company of New Hampshire, Inc.
Water Infrastructure and Conservation Adjustment (WICA)
2016-18 Capital Projects and 2016 WICA Surcharge
Staff Recommendation for Approval

Dear Ms. Howland:

On October 29, 2015, Aquarion Water Company of New Hampshire, Inc. (Aquarion) filed a petition for approval of its 2016 WICA surcharge and its 2016-18 capital projects under its WICA tariff provisions. Accompanying the petition was the testimony of Carl McMorran, Operations Manager, and Debra E. Kirvan, Controller of Aquarion Water Company of Connecticut, Inc., an affiliate of Aquarion. Aquarion seeks approval of a 2016 WICA surcharge of 3.9721%, based on its completed 2013, 2014 and 2015 WICA capital projects; said surcharge to be effective for service rendered on and after January 1, 2016. Aquarion also requests approval of its planned 2016 capital expenditures, estimated to be in a cost range of $763,000 to $1.044 million. Aquarion further seeks preliminary approval of its planned 2017 projects in the cost range of between $624,000 and $983,000. Aquarion also submitted its preliminary budget for its 2018 WICA projects, for informational purposes. The specific water main replacement projects for these three years, as well as the other WICA capital investments, are all detailed on page 2 of Attachment CM-1 to Mr. McMorran's testimony.

The Commission originally approved the WICA as a pilot program in Docket No. DW 08-098. The WICA was continued as a pilot program by the Commission in Aquarion's most recent rate case, DW 12-085. A settlement agreement between Aquarion, Staff, and the Office of the Consumer Advocate (OCA) in that docket provided for modifications to the WICA program by, among other things, excluding customer meters from WICA-eligible improvements, and requiring the company to provide an updated main replacement prioritization analysis and updated infrastructure inventory in its annual WICA filing. Order No. 25,539 (June 28, 2013).

Upon receipt of Aquarion's filing and in accordance with the procedure approved by the Commission in Docket No. DW 08-098, Staff contacted the parties to both DW 08-098 and DW 12-085 including OCA, and the Towns of Hampton, North Hampton and Rye, to establish a timeframe to review the filing and submit recommendations to the Commission. Neither OCA nor the towns participated in this review. Staff conducted discovery, and Staff and Aquarion met in a technical session on December 15, 2015, to review and discuss the filing and Aquarion's discovery responses. Staff propounded additional data requests to Aquarion subsequent to the technical session. Aquarion's responses to all of Staff's discovery requests are attached to this letter.

On December 23, 2015, Jayson P. Laflamme, Utility Analyst in the Commission's Gas & Water Division, prepared a memorandum summarizing his review of Aquarion's proposed 2016 WICA surcharge. Mr. Laflamme reviewed the calculation of the proposed surcharge of 3.9721%, which is based on total completed WICA investment of $2,076,339 for the three program years 2013-15. Mr. Laflamme reviewed the Staff Audit Report relating to documentation of the completed 2015 WICA projects, and he incorporated adjustments in his recommendation... In addition, Mr. Laflamme describes certain modifications that Staff and Aquarion recommend in the calculation of the WICA surcharge for 2016 and forward. The first of these involves recognition and deduction of accumulated depreciation accrued for each year project assets are in service, not just the year those assets were placed in service. This accounting mirrors that which is used on a yearly basis for all plant assets. The second recommended change is with respect to how recoverable property tax expense is calculated each program year. As Mr. Laflamme describes, Staff and Aquarion recommend that the property tax rate be applied to updated net plant values each year, so as to take into account each year's accumulated depreciation. Then, the tax rate to be applied will be the most recent property tax rate in effect at the end of the project year. These recommendations are incorporated into the 2016 WICA surcharge of 3.99% that Staff and Aquarion propose. Mr. Laflamme's memorandum is attached to this letter.

On December 21, 2015, Staff received a memorandum from Douglas W. Brogan, the Commission's former water and sewer engineer now engaged as a consultant, providing the details of his review of the completed 2015 WICA projects. Mr. Brogan's memorandum also indicates that Aquarion has had a new engineering study of its water system completed in 2015, and that Aquarion intends to use this study as one of several factors in prioritizing future main replacements. He further comments on Aquarion's proposed WICA projects for 2016 and 2017. Mr. Brogan concludes that the company's 2015 WICA capital investments are used and useful and were prudently-incurred. He further recommends approval of Aquarion's WICA budgets for 2016 and 2017. Mr. Brogan's memorandum is attached to this letter.

Based on its review, Staff recommends that the Commission approve the revised 2016 WICA surcharge of 3.99% effective for service on and after January 1, 2016, consistent with Aquarion's WICA tariff provision. Staff further recommends the Commission approve Aquarion's 2016 WICA project list and provide its preliminary approval of the 2017 projects. For informational purposes, using the high end of the estimated range of proposed 2016 WICA spending, or $1,044,000 (see Company's response to Staff data request TS 1-2 Supplemental Attachment C), would result in a total surcharge of 5.98% to customer bills, for service rendered on and after January 1, 2017.

As indicated earlier, the OCA and the three towns in which Aquarion provides service did not participate in this docket. All four of these parties were provided with copies of Aquarion's initial filing notwithstanding Staff's outreach to coordinate their participation.

If there is anything further I can provide, please let me know.

Sincerely,

Mark A. Naylor

Mark A. Naylor
Director, Gas & Water Division

Attachments:
Discovery responses
Jayson P. Laflamme memorandum
Douglas W. Brogan memorandum
Staff Audit Report

cc: Service List

STATE OF NEW HAMPSHIRE

Inter-Department Communication

DATE: December 23, 2015
AT (OFFICE): NHPUC

FROM: Jayson P. Laflamme, Utility Analyst, Gas-Water Division

SUBJECT: DW 15-476, Aquarion Water Company of New Hampshire, Inc.
2016 Water Infrastructure and Conservation Adjustment Filing

TO: Mark A. Naylor
Director, Gas-Water Division

This memo is being submitted at your request to summarize my review of Docket DW 15-476, the petition of Aquarion Water Company of New Hampshire, Inc. (Aquarion) relative to its 2016 Water Infrastructure and Conservation Adjustment (WICA) filing. Aquarion's petition, submitted in accordance with its WICA tariff provisions, requested approval of a WICA surcharge of 3.9721% for effect as of January 1, 2016, on a service-rendered basis, as well as final approval of proposed projects for 2016 to be eligible for recovery through the WICA surcharge mechanism in 2017, and preliminary approval of proposed projects for 2017. Aquarion also provided a preliminary proposal of 2018 projects for informational purposes, only. Aquarion's petition was accompanied by the direct testimonies of Carl McMorran, Operations Manager for Aquarion, and Debra E. Kirven, Controller of Aquarion Water Company of Connecticut, Inc. After reviewing Aquarion's filing in this case and other associated information, I am recommending approval of a WICA surcharge of 3.99% for effect as of January 1, 2016. I am also recommending approval of proposed amendments to Aquarion's WICA tariff that coincide with changes proposed to the WICA surcharge calculation. An explanation for the basis of my recommendations follows.

My review focused primarily on Aquarion's calculation of the proposed WICA surcharge for 2016 as described in Ms. Kirven's testimony. My review included the gathering and analysis of additional information from Aquarion, through formal and informal data requests, and specifically, Aquarion's response to Staff data request TS 1-2. A copy of Aquarion's initial response as well as its supplemental response to that data request is attached to this recommendation. I also reviewed the recommendations contained in a Staff Audit Report dated December 4, 2015 relative to an examination of the underlying costs associated with Aquarion's 2015 WICA projects which form the basis for the 2016 WICA surcharge. A copy of that Final Audit Report is also attached to this recommendation.

Aquarion's original filing proposed a total of $745,642 in 2015 project costs, comprised of the following:

Main Replacement: Great Boars Head – Cliff Circle to Ocean Blvd	$169,733
Main Replacement: Kings Hwy – 11th, 13th, 14th & 15th St	397,822
Main Replacement: Ross Ave	178,087
Total	$745,642

Each of the adjustments contained in the Final Audit Report has been incorporated into the determination of the 3.99% revised 2016 WICA surcharge which I am recommending for approval. Two adjustments are summarized on page 7 of the Final Audit Report and include a reduction of $12,448 relative to the costs associated with the King's Highway project from $397,822 to $385,374, as well as an $8,271 increase in the Ross Avenue project costs from $178,087 to $186,358. The net of these adjustments is a $4,177 reduction in the overall total of the 2015 WICA project costs to $741,465, as follows:

Main Replacement: Great Boars Head – Cliff Circle to Ocean Blvd	$169,733
Main Replacement: Kings Hwy – 11th, 13th, 14th & 15th St	385,374
Main Replacement: Ross Ave	186,358
Total	$741,465

Additionally, the Final Audit Report (page 6) stated that the amount for retirements associated with the King's Highway project as contained in Aquarion's original filing of $11,912 should be reduced by an amount of $9,588 to $2,324.

On December 15, 2015, Aquarion and Staff participated in a technical session, during which certain changes to the WICA surcharge calculation were discussed. The end result of those discussions is the proposed cumulative WICA surcharge for 2016 of 3.99%. See Supplemental Attachment A, Page 1 of 3 of Aquarion's supplemental response to TS 1-2. Aquarion and Staff agree on the revised calculation as well as the resulting cumulative WICA surcharge. In addition, Supplemental Attachment C of Aquarion's supplemental response to TS 1-2 provides Staff and Aquarion's present understanding of the projected WICA surcharges for the years 2017 through 2019. A brief explanation of the revised 2016 WICA calculation follows.

The proposed WICA surcharge for 2016 is based on a gross WICA investment of $2,072,161. This amount includes $734,050 of eligible WICA investment assets placed into service during the 2013 project year (DW 13-314), $596,646 of eligible WICA investment assets placed into service during the 2014 project year (DW 14-300), and, as stated previously, the adjusted gross WICA investment by Aquarion during the 2015 project year of $741,465. See Column 4, Page 2 of 3 of Supplemental Attachment A of the supplemental response to TS 1-2.

The gross WICA investment of $2,072,161 is reduced by $38,172 in accumulated depreciation to derive a net plant in service amount of $2,033,990. The total accumulated depreciation amount is comprised of $23,067 in accumulated depreciation on Aquarion's 2013 WICA investments, $10,689 in accumulated depreciation on its 2014 WICA investments, and $4,416 in accumulated depreciation on its proposed 2015 WICA investments. See Column 5, Page 2 of 3 of Supplemental Attachment A of the supplemental response to TS 1-2. By contrast, the WICA surcharge calculation contained in Aquarion's original filing recognized total accumulated depreciation of just $12,560 because only the initial year of accumulated depreciation for each of the respective project years' assets was recognized.

The calculation of return on investment is derived by applying Aquarion's last approved rate of return of 7.49%[1] to the net investment amount of $2,033,990 for an amount of $152,346. The income tax expense calculated on the return on investment is $54,104 for a combined pre-tax

[1] See Commission Order No. 25,539 (6/28/13) in Docket DW 12-085.

return on investment of $206,450 ($152,346 + $54,104) on Aquarion's cumulative net WICA investments for 2013 - 2015.

As the WICA also provides for recovery of certain related operating expenses, annual depreciation expense in the amount of $25,184 has been included in the WICA calculation. This is comprised of $9,227 in annual depreciation on the 2013 WICA investments, $7,126 in annual depreciation on the 2014 WICA investments, and $8,831 in annual depreciation on the 2015 WICA investments. See Column 7, Page 2 of 3 of Supplemental Attachment A of the supplemental response to TS 1-2. The depreciation rates applied are based on Aquarion's last-approved depreciation study.[2]

A recoverable property tax expense in the amount of $45,515 is also included in the overall WICA surcharge calculation, as permitted by Aquarion's WICA tariff provisions. This amount is based on the property tax rates in effect at the end of the most recent project year, ie, 9/30/2014. Two items should be noted with regard to the calculation of the property tax portion of the WICA surcharge. First, Staff and Aquarion have agreed and recommend that the Commission approve a tariff change such that the plant amount upon which the property tax rates are applied should reflect the most current accumulated depreciation associated with the WICA investments for each project year's investments. Second, Staff and Aquarion have agreed and recommend that the Commission approve a tariff change such that the calculation of the property tax portion of the WICA surcharge should reflect an application of the municipal property tax rates in effect at the end of the most recent project year, and that these rates should be applied to all project years' investments. See Column 10, Page 3 of 3 of Supplemental Schedule A of the supplemental response to TS 1-2. Also, see the "Property Taxes" section on Page 2 of 6 of Supplemental Attachment B of the supplemental response to TS 1-2.

The pre-tax return on investment of $206,450, the depreciation expense of $25,184, and the property tax expense of $45,515, have been combined to derive a cumulative WICA revenue requirement for 2016 of $277,149, which amounts to a $100,972 increase over the 2015 cumulative revenue requirement of $176,177.[3] This translates into the proposed WICA cumulative surcharge percentage for 2016 of 3.99%.

The revised 2016 WICA proposal is estimated to result in a total WICA surcharge of $1.70 on the monthly bills of Aquarion's average, single-family residential customers, based on an average usage of 5.94 hundred cubic feet per month. This represents an estimated monthly increase of $0.62 in the average WICA surcharge over that for 2015.

In conclusion, I recommend approval of the proposed, revised WICA surcharge for 2016 of 3.99%. This amount has been shown to be adequately supported through Staff discovery as well as the Audit Staff's examination. I believe that the proposed calculation of the 2016 surcharge will result in just and reasonable rates for both Aquarion and its customers. Additionally, I recommend approval of the proposed amendments to Aquarion's WICA tariff which coincide with the proposed modifications in the WICA surcharge calculation.

[2] See Commission Order No. 25,019 (9/25/09) in Docket DW 08-098.
[3] See Commission Order No. 25,751 (1/12/15) in Docket DW 14-300.

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November 30, 2015

VIA Electronic Mail

Rorie E. Patterson
Staff Attorney
New Hampshire Public Utilities Commission
21 S. Fruit St., Suite 10
Concord, NH 03301-2429

Re: DW 15-476; Aquarion Water Company of New Hampshire, Inc. 2016 Water Infrastructure and Conservation Adjustment Filing

Dear Attorney Patterson:

In connection with the above-captioned proceeding, enclosed are Aquarion Water Company of New Hampshire's responses to the Commission Staff's first set of data requests submitted to Aquarion on November 17, 2015. Please contact me with any questions.

Very truly yours,

Rebecca S. Walkley

Rebecca S. Walkley

RS3:
Enclosure

cc: Discovery Service List

AQUARION WATER COMPANY OF NEW HAMPSHIRE, INC.
DW 15-476

Aquarion Water Company's Responses to
Staff's Data Requests – Set #1

Date Request Received: November 17, 2015 Date of Response: November 30, 2015
Request No.: Staff 1-1 Witness: Carl McMorran

REQUEST: Final project costs for the three completed 2015 projects, along with their respective cost estimates from DW 14-300, are as follows:

Ross Avenue: $178,087 ($178,000 to $213,000 estimated)
Kings Hwy - 11th to 15th St: $397,822 ($483,000 to $579,000 estimated)
Great Boars Head - Cliff Circle to Ocean Blvd: $169,733 ($190,000 to $210,000 estimated)

In this regard:

a) Please comment on any reasons the latter two projects came in under estimates.
b) Do any paving or other costs remain on any of these projects?

RESPONSE:

a) Each initial proposed project cost is estimated based on a range of historical costs per foot times the length of pipe for the project. Starting with actual design work and continuing through construction, the Company's goal is to minimize project cost while meeting our objectives of improving asset condition with respect to long-term reliability, system performance and protection of water quality. Through this process, in 2015, the Company was able to reduce the cost per foot of main compared to previous projects.

   i. The Kings Highway and side street projects are under budget mainly because the Company replaced all of the mains using trenchless methods of pipe bursting and directional drilling, instead of open trenching. In addition, the lack of major complications, particularly adverse weather and conflicts with other utilities, favorably impacted actual project costs.

   ii. The Great Boars Head project was under budget due to favorable ground conditions and project management. The Company was able to minimize excavations in the crowded space overlying the old water main by installing perpendicular replacement sections from a parallel main on Boars Head Terrace. The Company was able to move all of the existing water services to the new mains with only a handful of excavations to the old pipe, instead of having to attempt to excavate and replace the existing main in place. In addition, the lack of major complications, particularly adverse weather and conflicts with other utilities, had a favorable impact on actual project costs.

b) No paving or other costs remain to be performed on any of these projects.

AQUARION WATER COMPANY OF NEW HAMPSHIRE, INC.
DW 15-476

Aquarion Water Company's Responses to
Staff's Data Requests – Set #1

Date Request Received: November 17, 2015 Date of Response: November 30, 2015
Request No.: Staff 1-2 Witness: Carl McMorran

REQUEST: Regarding consideration of various main replacement construction alternatives:

a) Please indicate the basis of the decision on which methodology to employ (cleaning and lining, other trenchless technology, open cut construction) for each of the three projects completed in 2015.
b) To what extent are cleaning and lining or other trenchless technologies under consideration for any of the 2016 projects? Please explain.
c) Please elaborate on the "evaluation of [construction] alternatives expected to be conducted in 2016" (McMorran testimony p. 8, line 21; see also lines 12-14, and testimony of Debra Kirven, p. 7, line 23 through p. 8, line 2).

RESPONSE:

a) Starting with actual design work and continuing through construction, the Company's goal is to minimize project costs while meeting our objectives of improving asset condition with respect to long-term reliability, system performance and protection of water quality. With the help of the engineering firm of Tighe & Bond, replacement options for each project were evaluated to best meet the above objectives.

   i. The Ross Avenue main had to be replaced by excavation because the original main was too shallow. The replacement main had to be installed at a deeper depth to ensure that it was below the frost line.

   ii. The Kings Highway main was originally targeted for cleaning and lining, but this methodology could not be employed because the existing main had leaking joints and was under the local water table. The cleaning and lining methodologies available require that the pipe interior be dry when the lining is applied. The bad joints and high water table prevented making the existing main dry enough for the cleaning and lining methodology. The next best alternative was pipe bursting replacement.

   iii. The numbered side streets were all old, small-diameter (2-in), galvanized mains. The pipe size and material condition were not suitable to cleaning and lining, or for pipe bursting. The mains were replaced by directionally drilling parallel new mains, which eliminated the need for temporary services. Once the new main was in service, the residential service lines were relocated, and the old main was abandoned.

iv. For the Great Boars Head project, the Company originally considered either cleaning and lining the old main, or pipe bursting it. Both of these options would have required that temporary mains and services be installed, which was impractical due to the lack of available space in the project area. The Company also considered installing a replacement main on Great Boars Head Avenue, parallel to the existing main. This was also an expensive option; requiring new easements and trenching a new main on private property. The Company determined that the simplest and most cost effective alternative was to install replacement mains perpendicularly from Boars Head Terrace and transfer all of the existing services. Once the service lines were transferred to the new mains, the old main was abandoned.

b) Cleaning and lining are not being considered for any of the 2016 projects.

i. The Lafayette Road and Park Avenue mains are undersized and will be replaced with larger diameter mains.

ii. The Manchester Avenue main is too shallow and must be replaced at a lower depth below the frost line.

iii. The North Shore Road main is too shallow and must be replaced at a lower depth below the frost line.

iv. The Sunsurf Avenue main is too small for cleaning and lining and can be cost effectively replaced by directional drilling a new parallel main.

c) There is a variety of cleaning and lining methods available in the industry, and new methods are frequently being developed. As new methods and technology continue to reach the market, the Company's Engineering Department takes the lead in evaluating construction alternatives for future main replacement projects, and finding contractors with the needed expertise. It is our hope and expectation that the Company will take advantage of cleaning and lining methods to continue to reduce main replacement costs.

AQUARION WATER COMPANY OF NEW HAMPSHIRE, INC.
DW 15-476

Aquarion Water Company's Responses to
Staff's Data Requests – Set #1

Date Request Received: November 17, 2015 Date of Response: November 30, 2015
Request No.: Staff 1-3 Witness: Carl McMorran

REQUEST: Does the "Shop Road: transmission main" project proposed for 2017 currently contemplate inclusion of any pump stations or other facilities?

RESPONSE: The proposed "Shop Road: transmission main project in this WICA filing does not include any pump stations or other facilities

AQUARION WATER COMPANY OF NEW HAMPSHIRE, INC.
DW 15-476

Aquarion Water Company's Responses to
Staff's Data Requests – Set #1

Date Request Received: November 17, 2015 Date of Response: November 30, 2015
Request No.: Staff 1-4 Witness: Carl McMorran

REQUEST: A significant effort appears to have been made to upgrade the rating system used in main replacement evaluations (see McMorran testimony p. 6, line 16 through p. 7, line 6). Regarding the points assigned under various criteria in Att. CM-1, p. 1:

a) Main breaks are now assigned one point per break in lieu of the 0 to 3 point rating used previously. Over what historic time frame are main breaks now included?
b) Does the 'Main Breaks' category of lines 4-7 of Att. CM-2 indicate that each of the four Lafayette Road segments has experienced a main break? Please explain.
c) In the 'Pipe Material Ratings', please comment on why asbestos-cement pipe went from a rating of 1 in previous filings to 3 in the current filing.
d) In Att. CM-1, p. 1 the 'Lining' category is only applied to cast iron mains, whereas it appears to be applied to every type of main in Att. CM-2. Please explain.

RESPONSE:

The distribution mains are the largest part of the Company's assets, and its greatest projected long term cost. Therefore, the Company seeks to optimize the main replacement program through better records, GIS, and evaluation processes. Refining the process of managing and evaluating data on the water mains is key to prioritizing main replacement projects to produce the most customer value in terms of long term system reliability, service and water quality.

a) Accurate main break records (those that can be definitely associated with the current GIS pipe records) go back about 15 years.

b) The table lists each individual pipe segment in the system. Each of the pipe segments on Lafayette Road has experienced a main break (or leak).

c) To optimize the Company's main replacement efforts, the Engineering Department has worked to develop a better understanding of different pipe materials through its own records and from industry sources. As a result, in our opinion, asbestos-cement is a much poorer quality material than previously thought.

d) There is a formula error in the background spreadsheet for CM-2. The Company has included an update as Staff 1-4 Attachment A. It should only apply a score for unlined cast-iron pipe. Of the projects proposed for 2016, it only affects the score for the Manchester Street main. Of the highest scoring mains, the Company maintains the recommendation to complete the Manchester Street main replacement in 2016 to eliminate the bleeder and asbestos-cement pipe, as the project fits within the budget. Also due to this adjustment on CM-2 (Staff 1-4 Attachment A), the Company has updated its projects for 2017 and therefore has included an update to CM-1 as Staff 1-4 Attachment B.

CM-2 List of Water Mains

Year	SAPID	Street	Description	Town	Class	Size (in)	Material	Lining	Length (ft)	Installed	Breaks	Hydraulic	Critical Customer	Bleeder	Paving Year	Main Breaks	Bleeder?	Pipe Age	Pipe Material	Hydraulic	Critical Customer	Lining	Schedule	Total	Estimated Cost Low	Estimated Cost High	Comments
2016	10009893	Sunsurf Avenue	Sunsurf Ave - off Cliff Ave	Hampton	Distribution Main	2	Cast-iron	Unlined	368	1910	3	0	0		0	3	0	3	2	0	0	1	0	9	$ 80,000	$ 114,000	
2016	10618501	North Shore Rd	North Shore Rd: Cusack Rd - Quinlan Ln	Hampton	Distribution Main	8	Cast-iron	Unlined	808	1930	1	0	0	YES	0	1	3	1	2	0	0	1	0	8	$ 199,000	$ 286,000	
2016	10009017	Manchester Street	Manchester St: off Ashworth Ave	Hampton	Distribution Main	6	Asbestos-cement	Unlined	457	1959	1	0	0	YES	0	1	3	0	2	0	0	1	0	7	$ 100,000	$ 144,000	Included to eliminate bleeder, poor material and meet budget target
2016	10692959	Lafayette Road	Lafayette Rd: Winnacunnet to Stickney	Hampton	Distribution Main	6	Cast-iron	Cement-lined	820	1945	1	3	2		0	1	0	0	2	2	2	0	1	9	$ 180,000	$ 258,000	
2016	10699964	Lafayette Road	crossover: Lafayette Rd to Park Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	264	1965	1	3	2		0	1	0	0	2	2	2	0	1	9	$ 58,000	$ 83,000	
2016	10010164	Lafayette Road	Lafayette Rd: Park Ave to Stickney Terr	Hampton	Distribution Main	6	Cast-iron	Cement-lined	239	1965	1	3	1		0	1	0	0	2	2	1	0	1	8	$ 52,000	$ 76,000	
2016	[illegible]	Lafayette Road	Lafayette Rd: H008 to Park Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	280	1965	1	3	1		0	1	0	0	2	2	1	0	1	8	$ 62,000	$ 89,000	
2017	10617680	High Street	High St: 104 High to Mill Pond Ln	Hampton	Transmission Main	10	Asbestos-cement	Unlined	1,024	1958	2	0	0		2018	2	0	0	2	0	0	0	2	6	$ 224,000	$ 322,000	
2017	10691704	Shop Road	shop road: old 10-in CI transmission main	North Hampton	Transmission Main	8	Cast-iron	Unlined	1,449	1935	0	3	0		0	0	0	1	2	3	0	1	1	8	$ 317,000	$ 455,000	
2017	10692970	Winnacunnet Road	Winnacunnet Rd: Lafayette Rd to Towle Av	Hampton	Distribution Main	8	Cast-iron	Unlined	738	1938	0	2	2		2019	0	0	1	2	2	2	1	2	11	$ 162,000	$ 233,000	
2018	10618447	Kings Hwy	King's Hwy: 6th St - Redman St	Hampton	Transmission Main	8	Cast-iron	Unlined	501	1915	1	2	0		0	1	0	2	2	2	0	1	1	9	$ 110,000	$ 158,000	Postponed to avoid negative neighborhood relations from projects in consecutive years
2018	10700045	Kings Hwy	Kings Hwy: Redcoat Ln to Winnacunnet Rd	Hampton	Transmission Main	8	Cast-iron	Unlined	350	1915	1	2	0		0	1	0	2	2	2	0	1	1	9	$ 77,000	$ 110,000	Postponed to avoid negative neighborhood relations from projects in consecutive years
2018	10618448	Kings Hwy	King's Hwy: 8th St - 11th St	Hampton	Transmission Main	6	Cast-iron	Unlined	717	1915	0	2	0		0	0	0	2	2	2	0	1	1	8	$ 157,000	$ 226,000	Postponed to avoid negative neighborhood relations from projects in consecutive years
2018	10618446	Kings Hwy	King's Hwy: 6th St - 8th St	Hampton	Transmission Main	8	Cast-iron	Unlined	492	1915	0	2	0		0	0	0	2	2	2	0	1	1	8	$ 108,000	$ 155,000	Postponed to avoid negative neighborhood relations from projects in consecutive years
2018	10618449	Kings Hwy	King's Hwy: Gill St - Redman St	Hampton	Transmission Main	8	Cast-iron	Unlined	399	1915	0	2	0		0	0	0	2	2	2	0	1	1	8	$ 88,000	$ [illegible]	Postponed to avoid negative neighborhood relations from projects in consecutive years
2018	10618449	Kings Hwy	King's Highway	Hampton	Transmission Main	8	Cast-iron	Unlined	347	1915	0	2	0		0	0	0	2	2	2	0	1	1	8	$ 76,000	$ 109,000	Postponed to avoid negative neighborhood relations from projects in consecutive years
2018	10618450	Kings Hwy	King's Hwy: Redcoat Ln - 30 Kings condos	Hampton	Transmission Main	8	Cast-iron	Unlined	405	1915	0	2	0		0	0	0	2	2	2	0	1	1	8	$ 89,000	$ 128,000	Postponed to avoid negative neighborhood relations from projects in consecutive years
2018	10009232	Sixth St	Sixth St	Hampton	Distribution Main	2	Galvanized	Unlined	283	1935	1	0	0		0	1	0	1	2	0	0	0	1	5	$ 62,000	$ 89,000	Grouped with higher scoring segments for mobilization efficiency
2018	10009219	Ninth St	Ninth St	Hampton	Distribution Main	2	Galvanized	Unlined	268	1935	0	0	0		0	0	0	1	3	0	0	0	0	4	$ 59,000	$ 85,000	Grouped with higher scoring segments for mobilization efficiency
2018	10009751	Seventh St	Seventh St	Hampton	Distribution Main	2	Galvanized	Unlined	262	1935	0	0	0		0	0	0	1	3	0	0	0	0	4	$ 58,000	$ 82,000	Grouped with higher scoring segments for mobilization efficiency
2018	10009946	Tenth Street	Tenth St: off Ocean Blvd	Hampton	Distribution Main	2	Galvanized	Unlined	264	1935	0	0	0		0	0	0	1	3	0	0	0	0	4	$ 59,000	$ 83,000	Grouped with higher scoring segments for mobilization efficiency
2018	10007748	Eighth St	Eighth St	Hampton	Distribution Main	6	Cast-iron	Unlined	301	1965	0	0	0		0	0	0	0	2	0	0	1	0	3	$ 66,000	$ 95,000	Grouped with higher scoring segments for mobilization efficiency
	10692968	Winnacunnet Road	Winnacunnet Rd: Academy Ave to Mill Rd	Hampton	Distribution Main	8	Cast-iron	Unlined	980	1938	0	2	2		2019	0	0	1	2	2	2	1	2	10			Postpone to evaluate cleaning & lining options
	10692969	Winnacunnet Road	Winnacunnet Rd: Academy Ave to Towle Ave	Hampton	Distribution Main	8	Cast-iron	Unlined	492	1938	0	2	2		2019	0	0	1	2	2	2	1	2	10			Postpone to evaluate cleaning & lining options
	10697068	Ocean Blvd	Ocean Blvd: Boars Head Terr to Fuller Acres	Hampton	Distribution Main	8	Cast-iron	Unlined	2,147	1910	1	1	0		0	1	0	3	2	1	0	1	1	9			Postpone to evaluate cleaning & lining options
	10698823	Central Road	Central Rd: Jenness Booster to Love Ln	Rye	Transmission Main	8	Cast-iron	Unlined	1,293	1937	0	2	0		2016	0	0	1	2	2	0	1	3	9			
	10700114	Highland Avenue	Highland Ave: CI crossover to Ocean Blvd	Hampton	Transmission Main	8	Cast-iron	Unlined	50	1910	0	0	2		0	0	0	3	2	0	2	1	1	9			
	10700116	Highland Avenue	Highland Ave: CI crossover to Ashworth Ave	Hampton	Transmission Main	8	Cast-iron	Unlined	16	1910	0	0	2		0	0	0	3	2	0	2	1	1	9			
	10697138	Mill Road	Mill Rd: Holman Ln to Well 9	Hampton	Transmission Main	8	Cast-iron	Unlined	139	1940	0	3	0		0	0	0	1	2	3	0	1	1	8			
	10697139	Mill Road	Mill Rd: Holman Ln to Watsons Ln	Hampton	Transmission Main	8	Cast-iron	Unlined	322	1940	0	3	0		0	0	0	1	2	3	0	1	1	8			
	10697140	Mill Road	Mill Rd: Sicard St to Watsons Ln	Hampton	Transmission Main	8	Cast-iron	Unlined	380	1940	0	3	0		0	0	0	1	2	3	0	1	1	8			
	10697141	Mill Road	Mill Rd: Palmer St to Sicard St	Hampton	Transmission Main	8	Cast-iron	Unlined	247	1940	0	3	0		0	0	0	1	2	3	0	1	1	8			
	10697142	Mill Road	Mill Rd: Palmer St to Raddington Lndg	Hampton	Transmission Main	8	Cast-iron	Unlined	259	1940	0	3	0		0	0	0	1	2	3	0	1	1	8			
	10697143	Mill Road	Mill Rd: Reddington Lndg to Well 6	Hampton	Transmission Main	8	Cast-iron	Unlined	102	1940	0	3	0		0	0	0	1	2	3	0	1	1	8			
	10697145	Mill Road	Mill Rd: wellfield north to wellfield south	North Hampton	Transmission Main	8	Cast-iron	Unlined	4	1940	0	3	0		0	0	0	1	2	3	0	1	1	8			
	10617686	Winnacunnet Road	Winnacunnet Rd: Lafayette Rd to Lafayette Rd	Hampton	Distribution Main	8	Cast-iron	Unlined	49	1938	0	3	0		0	0	0	1	2	3	0	1	1	8			
	10697062	Ocean Blvd	Ocean Blvd: Boars Head Terr to Dumas Ave	Hampton	Transmission Main	8	Cast-iron	Unlined	819	1910	0	1	0		0	0	0	3	2	1	0	1	1	8			Postpone to evaluate cleaning & lining options
	10697063	Ocean Blvd	Ocean Blvd: Boars Head Terr to Highland Ave	Hampton	Transmission Main	8	Cast-iron	Unlined	3,392	1910	0	1	0		0	0	0	3	2	1	0	1	1	8			Postpone to evaluate cleaning & lining options
	10697064	Ocean Blvd	Ocean Blvd: Highland Ave to Nudd Ave	Hampton	Transmission Main	8	Cast-iron	Unlined	173	1910	0	1	0		0	0	0	3	2	1	0	1	1	8			Postpone to evaluate cleaning & lining options
	10697067	Ocean Blvd	Ocean Blvd: Boars Head Terr to Dumas Ave	Hampton	Distribution Main	8	Cast-iron	Unlined	908	1910	0	1	0		0	0	0	3	2	1	0	1	1	8			Postpone to evaluate cleaning & lining options
	10697069	Ocean Blvd	Ocean Blvd: Church St to Fuller Acres	Hampton	Distribution Main	8	Cast-iron	Unlined	151	1910	0	1	0		0	0	0	3	2	1	0	1	1	8			Postpone to evaluate cleaning & lining options
	10697070	Ocean Blvd	Ocean Blvd: Church St to Ross Ave	Hampton	Distribution Main	8	Cast-iron	Unlined	665	1910	0	1	0		0	0	0	3	2	1	0	1	1	8			Postpone to evaluate cleaning & lining options
	10697071	Ocean Blvd	Ocean Blvd: Highland Ave to Ross Ave	Hampton	Distribution Main	8	Cast-iron	Unlined	373	1910	0	1	0		0	0	0	3	2	1	0	1	1	8			Postpone to evaluate cleaning & lining options
	10700018	High Street	High St: Lafayette Rd to crossover	Hampton	Distribution Main	6	Cast-iron	Unlined	516	1950	0	0	2		2017	0	0	0	2	0	2	1	3	8			
	10700139	Exeter Road	Exeter Rd: Baron Rd to Towle Farm Rd	Hampton	Distribution Main	12	Cast-iron	Unlined	53	1952	0	0	2		2016	0	0	0	2	0	2	1	3	8			
	10008666	Jo Ann Lane	Joann Ln: off Brown Ave	Hampton	Distribution Main	6	Cast-iron	Unlined	305	1959	1	0	0	YES	0	1	3	0	2	0	0	1	0	7			
	10016359	Meadow Pond Rd	Meadow Pond Rd: north of Greene St	Hampton	Distribution Main	2	Cast-iron	Unlined	272	1955	1	0	0	YES	0	1	3	0	2	0	0	1	0	7			

Year	SAPID	Street	Description	Town	Class	Size (in)	Material	Lining	Length (ft)	Installed	Breaks	Hydraulic	Critical Customer	Bleeder	Paving Year	Main Breaks	Bleeder?	Pipe Age	Pipe Material	Hydraulic	Critical Customer	Lining	Schedule	Total	Estimated Cost Low	Estimated Cost High	Comments
	10692964	Park Avenue	Park Ave Landing Rd to V 1000 7408	Hampton	Distribution Main	8	Asbestos-cement	Unlined	406	1958	0	3	0		0	0	0	0	3	3	0	0	1	7			
	10692965	Park Avenue	Park Ave Landing Rd to V 1000 7261	Hampton	Distribution Main	8	Asbestos-cement	Unlined	1,813	1958	0	3	0		0	0	0	0	3	3	0	0	1	7			
	10697093	Ocean Blvd	Ocean Blvd: P St to Q St	Hampton	Distribution Main	6	Cast-iron	Unlined	245	1920	2	0	0		0	2	0	2	2	0	0	1	0	7			
	10697144	Mill Road	Mill Rd North Hampton line to Well 6	North Hampton	Transmission Main	8	Cast-iron	Cement-lined	413	1940	0	3	0		0	0	0	1	2	3	0	0	1	7			
	10697146	Mill Road	Mill Rd: Hampton line to wellfield south	North Hampton	Transmission Main	8	Cast-iron	Cement-lined	191	1940	0	3	0		0	0	0	1	2	3	0	0	1	7			
	10007020	Boars Head Terrace	Boars Head Ter Ocean Blvd to loop	Hampton	Distribution Main	10	Cast-iron	Unlined	371	1910	0	0	0		0	0	0	3	2	0	0	1	1	7			
	10007281	Cliff Avenue	Cliff Ave Dumas Ave to Sunsurf Ave	Hampton	Distribution Main	4	Cast-iron	Unlined	144	1910	0	0	0		0	0	0	3	2	0	0	1	1	7			
	10007678	Dumas Avenue	Dumas Ave: off Ocean Blvd 8-in	Hampton	Distribution Main	8	Cast-iron	Unlined	871	1910	0	0	0		0	0	0	3	2	0	0	1	1	7			
	10010585	Atlantic Avenue	Atlantic Ave: Alden Ave to Lafayette Rd	North Hampton	Transmission Main	8	Asbestos-cement	Unlined	979	1950	0	2	2		0	0	0	0	3	2	2	0	0	7			
	10010082	Atlantic Avenue	Atlantic Ave: Alden Ave to V 1059 3369	North Hampton	Transmission Main	8	Asbestos-cement	Unlined	2,484	1950	0	2	2		0	0	0	0	3	2	2	0	0	7			
	10642025	Brown Avenue	Brown Ave Joann Ln to Susan Ln	Hampton	Distribution Main	8	Cast-iron	Unlined	172	1950	1	2	0		0	1	0	0	2	2	0	1	1	7			
	10692958	Lafayette Road	Lafayette Rd Winnacunnet Rd to 8-in main	Hampton	Distribution Main	6	Cast-iron	Unlined	419	1950	0	2	0		0	0	0	0	2	2	0	1	1	7			
	10697073	Ocean Blvd	Ocean Blvd crossover at Nudd Ave	Hampton	Distribution Main	8	Cast-iron	Unlined	49	1910	0	0	0		0	0	0	3	2	0	0	1	1	7			
	10700027	Marston Way	Marston Way off High St	Hampton	Distribution Main	8	Asbestos-cement	Unlined	348	1975	0	2	2		0	0	0	0	3	2	2	0	0	7			
	10723978	Great Boars Head Avenue	Great Boar's Head Ave back alley main	Hampton	Distribution Main	8	Cast-iron	Unlined	66	1910	0	0	0		0	0	0	3	2	0	0	1	1	7			
	10011070	Atlantic Avenue	Atlantic Ave - Pine Rd to V 1059 3369	North Hampton	Transmission Main	8	Cast-iron	Unlined	187	1950	0	2	2		0	0	0	0	2	2	2	1	0	7			
	10685654	Appledore Avenue	Appledore Ave Boulters Cove to Boulters Cove	North Hampton	Distribution Main	8	Cast-iron	Cement-lined	1,246	1970	2	0	0		2017	2	0	0	2	0	0	0	3	7			
	10690023	Winnacunnet Road	Winnacunnet Rd Leavitt Rd to Park Ave	Hampton	Distribution Main	8	Cast-iron	Unlined	1,001	1938	0	1	0		2019	0	0	1	2	1	0	1	2	7			
	10692967	Winnacunnet Road	Winnacunnet Rd: Mill Rd to Windmill Rd	Hampton	Distribution Main	8	Cast-iron	Unlined	546	1938	1	0	0		2019	1	0	1	2	0	0	1	2	7			moved off the list
	10700096	Winnacunnet Road	Winnacunnet Rd Park Rd to Windmill Rd	Hampton	Distribution Main	8	Cast-iron	Unlined	476	1938	0	1	0		2019	0	0	1	2	1	0	1	2	7			
	10698824	Central Road	Central Rd between 2 Jenness Booster mains	Rye	Transmission Main	8	Cast-iron	Unlined	19	1937	0	0	0		2018	0	0	1	2	0	0	1	3	7			
	10700003	High Street	High St Leavitt Rd to Locke Rd	Hampton	Transmission Main	8	Cast-iron	Unlined	399	1934	0	0	0		2017	0	0	1	2	0	0	1	3	7			moved off the list
	10700004	High Street	High St Lamprey Ter to Leavitt Rd	Hampton	Transmission Main	8	Cast-iron	Unlined	335	1934	0	0	0		2017	0	0	1	2	0	0	1	3	7			moved off the list
	10700005	High Street	High St: Lamprey Ter to Tobey St	Hampton	Transmission Main	8	Cast-iron	Unlined	452	1934	0	0	0		2017	0	0	1	2	0	0	1	3	7			moved off the list
	10700006	High Street	High St Moulton Rd to Tobey St	Hampton	Transmission Main	8	Cast-iron	Unlined	356	1934	0	0	0		2017	0	0	1	2	0	0	1	3	7			moved off the list
	10700007	High Street	High St: Moulton Rd to Thomsen Rd	Hampton	Transmission Main	8	Cast-iron	Unlined	338	1934	0	0	0		2017	0	0	1	2	0	0	1	3	7			moved off the list
	10700008	High Street	High St Thomsen Rd to Windmill Ln	Hampton	Transmission Main	8	Cast-iron	Unlined	260	1934	0	0	0		2017	0	0	1	2	0	0	1	3	7			moved off the list
	10700009	High Street	High St Hobbs Rd to Windmill Ln	Hampton	Distribution Main	8	Cast-iron	Unlined	64	1934	0	0	0		2017	0	0	1	2	0	0	1	3	7			moved off the list
	10006680	Johnson Avenue	Johnson Ave off Ashworth Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	450	1962	1	0	0	YES	0	1	3	0	2	0	0	0	0	6			
	10009030	Meadow Pond Rd	Meadow Pond Rd: south of Greene St	Hampton	Distribution Main	6	Asbestos-cement	Unlined	291	1965	0	0	0	YES	0	0	3	0	3	0	0	0	0	6			
	10697162	Mill Road	Mill Rd: GV0439 to Mace Rd	Hampton	Distribution Main	12	Asbestos-cement	Unlined	1,322	1958	1	2	0		0	1	0	0	3	2	0	0	0	6			
	10007510	Cliff Avenue	Cliff Ave Great Boars Head Ave to 4-in	Hampton	Distribution Main	8	Cast-iron	Unlined	291	1910	0	0	0		0	0	0	3	2	0	0	1	0	6			
	10007526	Cliff Avenue	Cliff Ave Dumas Ave to 8-in	Hampton	Distribution Main	4	Cast-iron	Unlined	109	1910	0	0	0		0	0	0	3	2	0	0	1	0	6			
	10008320	Dumas Avenue	Dumas Ave: Cliff Ave to Cliff Ave 4-in	Hampton	Distribution Main	4	Cast-iron	Unlined	635	1910	0	0	0		0	0	0	3	2	0	0	1	0	6			
	10008582	Island Path	Island Path Ashworth Ave to James Ave	Hampton	Distribution Main	6	Cast-iron	Unlined	305	1910	0	0	0		0	0	0	3	2	0	0	1	0	6			
	10009510	Quinlan Ln	Quinlan Ln	Hampton	Distribution Main	6	Cast-iron	Cement-lined	483	1950	0	0	0	YES	0	0	3	0	2	0	0	0	1	6			
	10618463	First St	First St	Hampton	Distribution Main	4	Galvanized	Unlined	124	1920	0	0	0		0	0	0	2	3	0	0	0	1	6			
	10692956	Lafayette Road	Lafayette Rd: High St to Swain Ct	Hampton	Distribution Main	8	Cast-iron	Unlined	458	1950	0	3	0		0	0	0	0	2	3	0	1	0	6			
	10692957	Lafayette Road	Lafayette Rd Swain Ct to 6-in main	Hampton	Distribution Main	8	Cast-iron	Unlined	532	1950	0	3	0		0	0	0	0	2	3	0	1	0	6			
	10697090	Ocean Blvd	Ocean Blvd Atlantic Ave to O St	Hampton	Distribution Main	6	Cast-iron	Unlined	59	1920	1	0	0		0	1	0	2	2	0	0	1	0	6			
	10698632	Boards Head Terr	Boars Head Ter loop	Hampton	Distribution Main	2	Cast-iron	Unlined	366	1910	0	0	0		0	0	0	3	2	0	0	1	0	6			
	10723977	Great Boars Head Avenue	Great Boar's Head Ave back alley main	Hampton	Distribution Main	8	Cast-iron	Unlined	146	1910	0	0	0		0	0	0	3	2	0	0	1	0	6			
	10006973	Locke Road	Locke Rd	Rye	Distribution Main	8	Asbestos-cement	Unlined	805	1961	1	0	0		2018	1	0	0	3	0	0	0	2	6			
	10006698	Big Rock Road	Big Rock Rd Cable Rd to Gray Ct	Rye	Distribution Main	8	Cast-iron	Unlined	657	1938	0	0	0		2018	0	0	1	2	0	0	1	2	6			
	10006741	Anna Ln	Anna Ln: Anna Terr - Mill Rd	Hampton	Distribution Main	6	Asbestos-cement	Unlined	681	1950	0	0	0		2016	0	0	0	3	0	0	0	3	6			
	10006964	Belmont Cir	Belmont Cir	Hampton	Distribution Main	6	Asbestos-cement	Unlined	538	1954	0	0	0		2016	0	0	0	3	0	0	0	3	6			
	10007457	Big Rock Road	Big Rock Rd: Alden Ave to Gray Ct	Rye	Distribution Main	6	Cast-iron	Unlined	187	1938	0	0	0		2018	0	0	1	2	0	0	1	2	6			
	10009176	Moulton Road	Moulton Rd: GV0263 to Morningside Dr	Hampton	Distribution Main	6	Asbestos-cement	Unlined	826	1954	0	0	0		2016	0	0	0	3	0	0	0	3	6			
	10618852	Anna Ln	Anna Ln Anna Terr - Dearborn Ave	Hampton	Distribution Main	6	Asbestos-cement	Unlined	244	1950	0	0	0		2016	0	0	0	3	0	0	0	3	6			
	10618853	Anna Ln	Anna Ln: Dearborn Ave - Tuck Rd	Hampton	Distribution Main	6	Asbestos-cement	Unlined	229	1950	0	0	0		2016	0	0	0	3	0	0	0	3	6			
	10618854	Anna Ln	Anna Ln Lafayette Rd - Tuck Rd	Hampton	Distribution Main	6	Asbestos-cement	Unlined	351	1950	0	0	0		2016	0	0	0	3	0	0	0	3	6			
	10697039	Perkins Road	Perkins Rd Bernard Dr to Big Rock Rd	Rye	Distribution Main	6	Cast-iron	Unlined	290	1938	0	0	0		2018	0	0	1	2	0	0	1	2	6			
	10698833	Big Rock Road	Big Rock Rd Alder Ave to Myrica Ave	Rye	Distribution Main	6	Cast-iron	Unlined	101	1938	0	0	0		2018	0	0	1	2	0	0	1	2	6			
	10698834	Big Rock Road	Big Rock Rd Myrica Ave to Oak Ave	Rye	Distribution Main	6	Cast-iron	Unlined	142	1938	0	0	0		2018	0	0	1	2	0	0	1	2	6			
	10698835	Big Rock Road	Big Rock Rd Baker Ave to Oak Ave	Rye	Distribution Main	6	Cast-iron	Unlined	131	1938	0	0	0		2018	0	0	1	2	0	0	1	2	6			
	10698836	Big Rock Road	Big Rock Rd Baker Ave to Pine St	Rye	Distribution Main	6	Cast-iron	Unlined	359	1938	0	0	0		2018	0	0	1	2	0	0	1	2	6			
	10700002	High Street	High St Little River Rd to Locke Rd	Hampton	Distribution Main	10	Asbestos-cement	Unlined	50	1958	0	0	0		2017	0	0	0	3	0	0	0	3	6			moved off the list
	10007679	Exeter Road	Exeter Rd Josephine Dr to Lafayette Rd 8-in	Hampton	Distribution Main	8	Cast-iron	Unlined	1,275	1962	0	0	0		2019	0	0	0	2	0	0	1	2	6			
	10617687	High Street	High St Oak Rd to Mill Pond Ln	Hampton	Transmission Main	24	Ductile-iron	Cement-lined	1,350	1958	2	0	2		2018	2	0	0	0	0	2	0	2	6			

Year	SAPID	Street	Description	Town	Class	Size (in)	Material	Lining	Length (ft)	Installed	Breaks	Hydraulic	Critical Customer	Bleeder	Paving Year	Main Breaks	Bleeder?	Pipe Age	Pipe Material	Hydraulic	Critical Customer	Lining	Schedule	Total	Estimated Cost Low	Estimated Cost High	Comments
	10692948	Exeter Road	Exeter Rd: Baron Rd to Maplewood Dr	Hampton	Distribution Main	12	Cast-iron	Unlined	1,125	1952	0	0	0		2016	0	0	0	2	0	0	1	3	6			
	10692950	Exeter Road	Exeter Rd: 8-in stub south of Towle Farm Rd	Hampton	Distribution Main	8	Cast-iron	Unlined	407	1952	0	0	0		2016	0	0	0	2	0	0	1	3	6			
	10700010	High Street	High St: Hobbs Rd to Marston Way	Hampton	Distribution Main	8	Cast-iron	Unlined	386	1960	0	0	0		2017	0	0	0	2	0	0	1	3	6			
	10700011	High Street	High St: Marston Way to Mill Rd	Hampton	Distribution Main	8	Cast-iron	Unlined	377	1950	0	0	0		2017	0	0	0	2	0	0	1	3	6			
	10700012	High Street	High St: George Ave to Mill Rd	Hampton	Distribution Main	6	Cast-iron	Unlined	506	1950	0	0	0		2017	0	0	0	2	0	0	1	3	6			
	10700013	High Street	High St: George Ave to crossover	Hampton	Distribution Main	6	Cast-iron	Unlined	587	1950	0	0	0		2017	0	0	0	2	0	0	1	3	6			
	10700014	High Street	High St: Academy Ave to crossover	Hampton	Distribution Main	6	Cast-iron	Unlined	56	1960	0	0	0		2017	0	0	0	2	0	0	1	3	6			
	10700015	High Street	High St: Academy Ave to Towle Ave	Hampton	Distribution Main	6	Cast-iron	Unlined	506	1960	0	0	0		2017	0	0	0	2	0	0	1	3	6			
	10700016	High Street	High St: Dearborn Ave to Towle Ave	Hampton	Distribution Main	6	Cast-iron	Unlined	318	1960	0	0	0		2017	0	0	0	2	0	0	1	3	6			
	10700017	High Street	High St: Dearborn Ave to crossover	Hampton	Distribution Main	6	Cast-iron	Unlined	20	1950	0	0	0		2017	0	0	0	2	0	0	1	3	6			
	10700021	High Street	High St: crossover west of Towle Ave	Hampton	Distribution Main	6	Cast-iron	Unlined	10	1982	0	0	0		2017	0	0	0	2	0	0	1	3	6			
	10700106	High Street	High St: crossover at V 1000 8271 nr Academy Ave	Hampton	Distribution Main	6	Cast-iron	Unlined	17	1982	0	0	0		2017	0	0	0	2	0	0	1	3	6			
	10697066	Ocean Blvd	Ocean Blvd: traffic circle to Dumas	Hampton	Distribution Main	8	Cast-iron	Unlined	2,044	1910	1	1	0		2014	1	0	3	2	1	0	1	[illegible]	5			Paving ban
	10006032	Chapel Road	Chapel Rd: Old Locke Rd to Willow Ave	North Hampton	Distribution Main	8	Cast-iron	Cement-lined	1,418	1965	1	2	0		0	1	0	0	2	2	0	0	0	5			
	10006571	Chapel Road	Chapel Rd: Maple Rd PRV to Old Locke Rd	North Hampton	Transmission Main	8	Cast-iron	Cement-lined	2,857	1965	1	2	0		0	1	0	0	2	2	0	0	0	5			
	10006940	Kenphil Avenue	Kenphil Ave: off Atlantic	Rye	Distribution Main	2	Cast-iron	Cement-lined	219	1961	0	0	0	YES	0	0	3	0	2	0	0	0	0	5			
	10007141	Brown Avenue	Brown Ave: Church St to Nudd Ave	Hampton	Distribution Main	8	Cast-iron	Cement-lined	342	1968	1	2	0		0	1	0	0	2	2	0	0	0	5			
	10007828	Epping Rd	Epping Ave: Ocean Blvd to River Ave	Hampton	Distribution Main	6	Asbestos-cement	Unlined	481	1961	2	0	0		0	2	0	0	3	0	0	0	0	5			
	10008502	Island Path	crossover: Island Path to Nudd Ave	Hampton	Distribution Main	12	Asbestos-cement	Unlined	676	1964	0	2	0		0	0	0	0	3	2	0	0	0	5			
	10009125	Mooring Avenue	Mooring Ave: off Ashworth Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	788	1961	3	0	0		0	3	0	0	2	0	0	0	0	5			
	10010873	Mill Road	Mill Rd: Atlantic Ave to Pine Rd	North Hampton	Distribution Main	8	Asbestos-cement	Unlined	3,956	1953	2	0	0		0	2	0	0	3	0	0	0	0	5			
	10697223	Lafayette Road	Lafayette Rd: Kershaw Ave to Scott Rd	Hampton	Distribution Main	8	Cast-iron	Cement-lined	272	1960	1	2	0		0	1	0	0	2	2	0	0	0	5			
	10697224	Lafayette Road	Lafayette Rd: Anne Ln to Kershaw Ave	Hampton	Distribution Main	8	Cast-iron	Cement-lined	425	1960	1	2	0		0	1	0	0	2	2	0	0	0	5			
	10697254	Island Path	Island Path: PVC segment to end	Hampton	Distribution Main	8	Cast-iron	Cement-lined	1,024	1966	0	0	0	YES	0	0	3	0	2	0	0	0	0	5			
	10699860	Tide Mill Road	Tide Mill Rd: PRV to Tide Mill Creek	Hampton	Distribution Main	12	Cast-iron	Cement-lined	722	1966	1	2	0		0	1	0	0	2	2	0	0	0	5			
	10008704	Brown Avenue	Brown Ave: DI segment to Susan Ln	Hampton	Distribution Main	8	Cast-iron	Unlined	75	1950	0	2	0		0	0	0	0	2	2	0	1	0	5			
	10008728	Ancient Hwy	Ancient Hwy: James St - Ocean Blvd	Hampton	Distribution Main	6	Cast-iron	Unlined	321	1925	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10008715	Church Street	Church St: Brown Ave to Highland Ave	Hampton	Transmission Main	12	Cast-iron	Unlined	118	1956	0	2	0		0	0	0	0	2	2	0	1	0	5			
	10008745	Keefe Avenue	Keefe Ave: Ashworth Ave to V 1069 3409	Hampton	Distribution Main	6	Cast-iron	Unlined	350	1959	2	0	0		0	2	0	0	2	0	0	1	0	5			
	10008783	Kings Hwy	Kings Hwy: Greene St - High St	Hampton	Transmission Main	8	Cast-iron	Unlined	617	1915	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10009243	North Shore Rd	North Shore Rd: Acorn Rd - Ocean Blvd	Hampton	Distribution Main	8	Cast-iron	Unlined	392	1930	1	0	0		0	1	0	1	2	0	0	1	0	5			
	10618381	Kings Hwy	Kings Hwy: Greene St - Witch Island Way	Hampton	Transmission Main	8	Cast-iron	Unlined	376	1916	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10618382	Kings Hwy	Kings Hwy: Sixteenth St - Witch Island Way	Hampton	Transmission Main	8	Cast-iron	Unlined	169	1915	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10618443	Kings Hwy	King's Hwy: 16th - Witch Island Way S	Hampton	Transmission Main	8	Cast-iron	Unlined	245	1915	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10618478	Ancient Hwy	Ancient Hwy: James St - Toppan St	Hampton	Distribution Main	6	Cast-iron	Unlined	258	1925	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10618482	Ancient Hwy	Ancient Hwy: Shaw St - Toppan St	Hampton	Distribution Main	6	Cast-iron	Unlined	243	1925	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10618485	Ancient Hwy	Ancient Hwy: Ocean Blvd - Shaw St	Hampton	Distribution Main	6	Cast-iron	Unlined	645	1925	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10625924	Brown Avenue	Brown Ave: Joann Ln to DI segment	Hampton	Distribution Main	8	Cast-iron	Unlined	36	1950	0	2	0		0	0	0	0	2	2	0	1	0	5			
	10697060	Ocean Blvd	Ocean Blvd: 1st segment south of PRV	Hampton	Transmission Main	8	Cast-iron	Unlined	23	1920	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10697065	Ocean Blvd	Ocean Blvd: Winnacunnet Rd thru traffic circle	Hampton	Distribution Main	8	Cast-iron	Unlined	98	1938	0	1	0		0	0	0	1	2	1	0	1	0	5			
	10697074	Ocean Blvd	Ocean Blvd: A St to Nudd Ave	Hampton	Distribution Main	8	Cast-iron	Unlined	368	1915	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10697075	Ocean Blvd	Ocean Blvd: A St to B St	Hampton	Distribution Main	8	Cast-iron	Unlined	234	1915	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10697076	Ocean Blvd	Ocean Blvd: B St to C St	Hampton	Distribution Main	8	Cast-iron	Unlined	246	1915	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10697077	Ocean Blvd	Ocean Blvd: C St to D St	Hampton	Distribution Main	8	Cast-iron	Unlined	227	1915	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10697078	Ocean Blvd	Ocean Blvd: D St to F St	Hampton	Distribution Main	8	Cast-iron	Unlined	474	1915	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10697079	Ocean Blvd	Ocean Blvd: F St to G St	Hampton	Distribution Main	8	Cast-iron	Unlined	244	1915	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10697080	Ocean Blvd	Ocean Blvd: G St to H St	Hampton	Distribution Main	8	Cast-iron	Unlined	240	1915	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10697081	Ocean Blvd	Ocean Blvd: H St to I St	Hampton	Distribution Main	6	Cast-iron	Unlined	255	1915	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10697082	Ocean Blvd	Ocean Blvd: I St to J St	Hampton	Distribution Main	6	Cast-iron	Unlined	222	1915	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10697083	Ocean Blvd	Ocean Blvd: J St to K St	Hampton	Distribution Main	6	Cast-iron	Unlined	242	1915	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10697084	Ocean Blvd	Ocean Blvd: K St to L St	Hampton	Distribution Main	6	Cast-iron	Unlined	239	1915	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10697085	Ocean Blvd	Ocean Blvd: L St to M St	Hampton	Distribution Main	6	Cast-iron	Unlined	234	1915	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10697086	Ocean Blvd	Ocean Blvd: Haverhill Ave to M St	Hampton	Distribution Main	6	Cast-iron	Unlined	188	1920	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10697087	Ocean Blvd	Ocean Blvd: Haverhill Ave to N St	Hampton	Distribution Main	6	Cast-iron	Unlined	59	1920	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10697088	Ocean Blvd	Ocean Blvd: Bradford Ave to N St	Hampton	Distribution Main	6	Cast-iron	Unlined	142	1920	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10697089	Ocean Blvd	Ocean Blvd: Bradford Ave to O St	Hampton	Distribution Main	6	Cast-iron	Unlined	221	1920	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10697091	Ocean Blvd	Ocean Blvd: Atlantic Ave to River Avve	Hampton	Distribution Main	6	Cast-iron	Unlined	65	1920	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10697092	Ocean Blvd	Ocean Blvd: P St to River Ave	Hampton	Distribution Main	6	Cast-iron	Unlined	113	1920	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10697094	Ocean Blvd	Ocean Blvd: Concord Ave to Q St	Hampton	Distribution Main	6	Cast-iron	Unlined	122	1920	0	0	0		0	0	0	2	2	0	0	1	0	5			

Year	SAPID	Street	Description	Town	Class	Size (in)	Material	Lining	Length (ft)	Installed	Breaks	Hydraulic	Critical Customer	Bleeder	Paving Year	Main Breaks	Bleeder?	Pipe Age	Pipe Material	Hydraulic	Critical Customer	Lining	Schedule	Total	Estimated Cost Low	Estimated Cost High	Comments
	10697095	Ocean Blvd	Ocean Blvd: Concord Ave to Dover Ave	Hampton	Distribution Main	6	Cast-iron	Unlined	319	1920	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10698642	Atlantic Avenue	Atlantic Ave: Ocean Blvd to Sea Rd	North Hampton	Transmission Main	6	Cast-iron	Unlined	1,643	1958	0	2	0		0	0	0	0	2	2	0	1	0	5			
	10698956	Highland Avenue	Church St: Highland Ave to tank	Hampton	Distribution Main	8	Cast-iron	Unlined	57	1965	0	2	0		0	0	0	0	2	2	0	1	0	5			
	10699982	Winnacunnet Road	Winnacunnet Rd: Kings PRV to Ocean Blvd east	Hampton	Transmission Main	8	Cast-iron	Unlined	13	1950	0	2	0		0	0	0	0	2	2	0	1	0	5			
	10699984	Winnacunnet Road	Winnacunnet Rd south: between crossovers from King	Hampton	Distribution Main	6	Cast-iron	Unlined	88	1938	0	1	0		0	0	0	1	2	1	0	1	0	5			
	10699985	Winnacunnet Road	Winnacunnet Rd CI: bridge to Kings	Hampton	Distribution Main	6	Cast-iron	Unlined	344	1938	0	1	0		0	0	0	1	2	1	0	1	0	5			
	10699993	Winnacunnet Road	Winnacunnet Rd CI: Acadia Ave to bridge	Hampton	Distribution Main	6	Cast-iron	Unlined	1,219	1938	0	1	0		0	0	0	1	2	1	0	1	0	5			
	10699994	Winnacunnet Road	Winnacunnet Rd CI: Acadia Ave to Nathaniel Ct	Hampton	Distribution Main	8	Cast-iron	Unlined	1,820	1938	0	1	0		0	0	0	1	2	1	0	1	0	5			
	10699995	Winnacunnet Road	Winnacunnet Rd CI: Kings Terr to Nathaniel Ct	Hampton	Distribution Main	6	Cast-iron	Unlined	688	1938	0	1	0		0	0	0	1	2	1	0	1	0	5			
	10699996	Winnacunnet Road	Winnacunnet Rd CI: Elaine St to Kings Terr	Hampton	Distribution Main	6	Cast-iron	Unlined	449	1938	0	1	0		0	0	0	1	2	1	0	1	0	5			
	10699997	Winnacunnet Road	Winnacunnet Rd CI: Elaine St to Richard St	Hampton	Distribution Main	8	Cast-iron	Unlined	202	1938	0	1	0		0	0	0	1	2	1	0	1	0	5			
	10699998	Winnacunnet Road	Winnacunnet Rd CI: Playhouse Cir to Richard St	Hampton	Distribution Main	8	Cast-iron	Unlined	590	1938	0	1	0		0	0	0	1	2	1	0	1	0	5			
	10699999	Winnacunnet Road	Winnacunnet Rd CI: Carlson Rd to Playhouse Cir	Hampton	Distribution Main	6	Cast-iron	Unlined	62	1938	0	1	0		0	0	0	1	2	1	0	1	0	5			
	10700000	Winnacunnet Road	Winnacunnet Rd CI: Carlson Rd to Edgewood Dr	Hampton	Distribution Main	8	Cast-iron	Unlined	1,860	1938	0	1	0		0	0	0	1	2	1	0	1	0	5			
	10700001	Winnacunnet Road	Winnacunnet Rd CI: Edgewood to Landing	Hampton	Distribution Main	6	Cast-iron	Unlined	472	1938	0	1	0		0	0	0	1	2	1	0	1	0	5			
	10700046	Kings Hwy	Kings Hwy: PRV to Winnacunnet Rd	Hampton	Transmission Main	8	Cast-iron	Unlined	40	1950	0	2	0		0	0	0	0	2	2	0	1	0	5			
	10700047	Kings Hwy	Kings Hwy: First St to Winnacunnet Rd	Hampton	Transmission Main	8	Cast-iron	Unlined	722	1915	0	0	0		0	0	0	2	2	0	0	1	0	5			
	10700112	Winnacunnet Road	Winnacunnet Rd CI: Landing to Leavitt	Hampton	Distribution Main	8	Cast-iron	Unlined	6	1938	0	1	0		0	0	0	1	2	1	0	1	0	5			
	10006662	Atlantic Avenue	Atlantic Ave: Kenphil Ave to Old Beach Rd	Rye	Distribution Main	6	Asbestos-cement	Unlined	266	1961	0	0	0		2018	0	0	0	3	0	0	0	2	5			
	10617584	High Street	High St: 534 High to Kings Hwy	Hampton	Transmission Main	10	Asbestos-cement	Unlined	465	1958	0	0	0		2018	0	0	0	3	0	0	0	2	5			
	10617690	High St	High St: Oak Rd - Pine Rd	Hampton	Distribution Main	10	Asbestos-cement	Unlined	172	1958	0	0	0		2018	0	0	0	3	0	0	0	2	5			
	10617692	High Street	High St: Dunvegan Woods to Pine Rd	Hampton	Transmission Main	10	Asbestos-cement	Unlined	1,435	1958	0	0	0		2018	0	0	0	3	0	0	0	2	5			
	10617693	High St	High St: Alexander Ave - Dunvegan Woods	Hampton	Distribution Main	10	Asbestos-cement	Unlined	720	1958	0	0	0		2018	0	0	0	3	0	0	0	2	5			
	10617694	High St	High St: Alexander Ave - Hedman Ave	Hampton	Distribution Main	10	Asbestos-cement	Unlined	253	1958	0	0	0		2018	0	0	0	3	0	0	0	2	5			
	10617695	High St	High St: Hedman Ave - Taylor St	Hampton	Distribution Main	10	Asbestos-cement	Unlined	604	1958	0	0	0		2018	0	0	0	3	0	0	0	2	5			
	10617696	High St	High St: Elliot St - Taylor St	Hampton	Distribution Main	10	Asbestos-cement	Unlined	389	1958	0	0	0		2018	0	0	0	3	0	0	0	2	5			
	10617697	High St	High St: Elliot St - Little River Rd	Hampton	Distribution Main	10	Asbestos-cement	Unlined	167	1958	0	0	0		2018	0	0	0	3	0	0	0	2	5			
	10097175	Locke Road	Locke Rd	Rye	Distribution Main	8	Asbestos-cement	Unlined	287	1961	0	0	0		2018	0	0	0	3	0	0	0	2	5			
	10700088	Atlantic Ave	Atlantic Ave: Kenphil Ave to Ocean Blvd	Rye	Distribution Main	6	Asbestos-cement	Unlined	137	1961	0	0	0		2018	0	0	0	3	0	0	0	2	5			
	10006104	Glendale Road	Glendale Rd: Alden Ave to Kimberly Dr	North Hampton	Distribution Main	8	Cast-iron	Cement-lined	643	1962	0	0	0		2016	0	0	0	2	0	0	0	3	5			
	10006594	Lafayette Road	Lafayette Rd: Cedar Rd to Post Rd	North Hampton	Distribution Main	12	Cast-iron	Unlined	1,851	1960	0	0	2		0	0	0	0	2	0	2	1	0	5			
	10006853	Academy Avenue	Academy Ave	Hampton	Distribution Main	6	Cast-iron	Unlined	1,042	1960	0	0	2		0	0	0	0	2	0	2	1	0	5			
	10009328	Jenness Avenue	Jenness Ave: off Surf Ln	Rye	Distribution Main	6	Cast-iron	Unlined	503	1962	0	0	0		2019	0	0	0	2	0	0	1	2	5			
	10007060	Old Beach Road	Old Beach Rd: Jenness Ave to Ocean Blvd	Rye	Distribution Main	8	Cast-iron	Cement-lined	363	1961	0	0	0		2017	0	0	0	2	0	0	0	3	5			
	10007360	Old Beach Road	Old Beach Rd: Atlantic to Jenness Ave	Rye	Distribution Main	8	Cast-iron	Cement-lined	285	1961	0	0	0		2017	0	0	0	2	0	0	0	3	5			
	10007487	Old Beach Road	Old Beach Rd: Atlantic to private rd	Rye	Distribution Main	8	Cast-iron	Cement-lined	454	1961	0	0	0		2017	0	0	0	2	0	0	0	3	5			
	10007870	Exeter Road	Exeter Rd	Hampton	Distribution Main	12	Cast-iron	Cement-lined	204	1962	0	0	0		2016	0	0	0	2	0	0	0	3	5			
	10007934	Fairfield Avenue	Fairfield Ave: Lafayette Rd to Ruth Ln	Hampton	Distribution Main	6	Cast-iron	Cement-lined	371	1950	0	0	0		2016	0	0	0	2	0	0	0	3	5			
	10007949	Fairfield Avenue	Fairfield Ave: Ruth Ln 6-in to V 1001 0529	Hampton	Distribution Main	6	Cast-iron	Cement-lined	245	1950	0	0	0		2016	0	0	0	2	0	0	0	3	5			
	10007959	Fairfield Avenue	Fairfield Ave: Ruth Ln 2-in to V 1001 0529	Hampton	Distribution Main	2	Cast-iron	Cement-lined	497	1950	0	0	0		2016	0	0	0	2	0	0	0	3	5			
	10008845	Landing Rd	Landing Rd: Hilda Dr - Winnacunnet Rd	Hampton	Distribution Main	12	Cast-iron	Cement-lined	466	1971	0	0	0		2016	0	0	0	2	0	0	0	3	5			
	10009144	Moulton Road	Moulton Rd: High St to Morningside Dr	Hampton	Distribution Main	8	Cast-iron	Cement-lined	704	1965	0	0	0		2016	0	0	0	2	0	0	0	3	5			
	10009703	Ruth Lane	Ruth Ln: Fairfield Ln to Fairfield Ln	Hampton	Distribution Main	6	Cast-iron	Cement-lined	238	1950	0	0	0		2016	0	0	0	2	0	0	0	3	5			
	10009770	Ruth Lane	Ruth Ln: Fairfield Ave to end	Hampton	Distribution Main	6	Cast-iron	Cement-lined	124	1950	0	0	0		2016	0	0	0	2	0	0	0	3	5			
	10011051	Alden Ave	Alden Ave	North Hampton	Distribution Main	8	Cast-iron	Cement-lined	428	1962	0	0	0		2016	0	0	0	2	0	0	0	3	5			
	10011062	Appledore Avenue	Appledore Ave: Boulters Cove to Ocean Blvd	North Hampton	Distribution Main	8	Cast-iron	Cement-lined	435	1970	0	0	0		2017	0	0	0	2	0	0	0	3	5			
	10617704	Landing Rd	Landing Rd: Hilda Dr - Tide Mill Rd	Hampton	Distribution Main	12	Cast-iron	Cement-lined	818	1971	0	0	0		2016	0	0	0	2	0	0	0	3	5			
	10617705	Landing Rd	Landing Rd: Malek Cir - Tide Mill Rd	Hampton	Distribution Main	12	Cast-iron	Cement-lined	348	1966	0	0	0		2016	0	0	0	2	0	0	0	3	5			
	10617707	Landing Rd	Landing Rd: V 1000 7238 to V 1000 7261	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,484	1990	2	0	0		2016	2	0	0	0	0	0	0	3	5			
	10686655	Appledore Avenue	Appledore Ave: Boulters Cove to cul de sac	North Hampton	Distribution Main	8	Cast-iron	Cement-lined	200	1970	0	0	0		2017	0	0	0	2	0	0	0	3	5			
	10692829	Exeter Road	Exeter Rd: St Cyr Dr to Westridge Rd	Hampton	Distribution Main	12	Cast-iron	Cement-lined	606	1962	0	0	0		2016	0	0	0	2	0	0	0	3	5			
	10692830	Exeter Road	Exeter Rd	Hampton	Distribution Main	12	Cast-iron	Cement-lined	456	1962	0	0	0		2016	0	0	0	2	0	0	0	3	5			
	10692895	Exeter Road	Exeter-Hampton Rd	Hampton	Distribution Main	12	Cast-iron	Cement-lined	122	1962	0	0	0		2016	0	0	0	2	0	0	0	3	5			
	10692898	Exeter Road	Exeter Rd: Oakdale Ave to Stowecroft Dr	Hampton	Distribution Main	12	Cast-iron	Cement-lined	307	1962	0	0	0		2016	0	0	0	2	0	0	0	3	5			
	10692899	Exeter Road	Exeter Rd: Oakdale Ave to Dupuis Cir	Hampton	Distribution Main	12	Cast-iron	Cement-lined	513	1962	0	0	0		2016	0	0	0	2	0	0	0	3	5			
	10692900	Exeter Road	Exeter Rd: Carolan Ave to Dupuis Cir	Hampton	Distribution Main	12	Cast-iron	Cement-lined	42	1962	0	0	0		2016	0	0	0	2	0	0	0	3	5			
	10692941	Exeter Road	Exeter Rd: Driftwood Rd to Longwood Dr	Hampton	Distribution Main	12	Cast-iron	Cement-lined	462	1962	0	0	0		2016	0	0	0	2	0	0	0	3	5			
	10697125	Moulton Road	Moulton Rd: V 1000 8098 to Winnacunnet Rd	Hampton	Distribution Main	6	Cast-iron	Cement-lined	389	1954	0	0	0		2016	0	0	0	2	0	0	0	3	5			
	10698821	Central Road	Central Rd: McLaughlin Dr to Perkins Rd	Rye	Transmission Main	8	Cast-iron	Cement-lined	255	1958	0	0	0		2016	0	0	0	2	0	0	0	3	5			

Year	SAPID	Street	Description	Town	Class	Size (in)	Material	Lining	Length (ft)	Installed	Breaks	Hydraulic	Critical Customer	Bleeder	Paving Year	Main Breaks	Bleeder?	Pipe Age	Pipe Material	Hydraulic	Critical Customer	Lining	Schedule	Total	Estimated Cost Low	Estimated Cost High	Comments
	10698822	Central Road	Central Rd: Love Ln to McLaughlin Dr	Rye	Transmission Main	8	Cast-iron	Cement-lined	381	1958	0	0	0		2016	0	0	0	2	0	0	0	2	4			
	10700061a	High Street	High St: crossover west of Dearborn Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	6	1962	0	0	0		2017	0	0	0	2	0	0	0	3	5			
	10700135	Exeter Road	Exeter Rd: cross between Lafayette Rd mains	Hampton	Distribution Main	8	Cast-iron	Unlined	10	1952	0	0	2 00		0	0	0	0	2	0	2	1	0	5			
	10700136	Exeter Road	Exeter Rd: cross between Lafayette Rd mains	Hampton	Distribution Main	8	Cast-iron	Unlined	9	1952	0	0	2		0	0	0	0	2	0	2	1	0	5			
	10006027	Cedar Road	Cedar Rd: off Mill Rd	North Hampton	Distribution Main	8	Asbestos-cement	Unlined	1,142	1956	1	0	0		0	1	0	0	3	0	0	0	0	4			
	10006115	Grandview Terrace	Grandview Ter: off Post Rd - AC segment	North Hampton	Distribution Main	6	Asbestos-cement	Unlined	556	1957	1	0	0		0	1	0	0	3	0	0	0	0	4			
	10007191	Campton Street	Campton St: Portsmouth Ave to Thornton Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	349	1967	0	2	0		0	0	0	0	2	2	0	0	0	4			
	10007250	Charles Street	Charles St: Church St to Ross Ave	Hampton	Distribution Main	2	Galvanized	Unlined	456	1935	0	0	0		0	0	0	1	3	0	0	0	0	4			
	10007260	Chase Street	Chase St: Highland Ave to Kentville Ter	Hampton	Distribution Main	6	Cast-iron	Cement-lined	168	1961	2	0	0		0	2	0	0	2	0	0	0	0	4			
	10007269	Willowbrook Drive	Willowbrook Dr	Rye	Distribution Main	2	Galvanized	Unlined	483	1968	1	0	0		0	1	0	0	2	0	0	0	0	4			
	10007499	Diane Lane	Diane Ln: off Brown Ave	Hampton	Distribution Main	6	Asbestos-cement	Unlined	277	1957	1	0	0		0	1	0	0	3	0	0	0	0	4			
	10007616	Winnacunnet Road	Winnacunnet Rd AC: Presidential Cir to Viking St	Hampton	Transmission Main	12	Asbestos-cement	Unlined	3 237	1955	0	1	0		0	0	0	0	3	1	0	0	0	4			
	10007717	Eastmore Lane	Eastmore Ln: Holly Ln to Tucker Ln	Hampton	Distribution Main	6	Asbestos-cement	Unlined	279	1954	1	0	0		0	1	0	0	3	0	0	0	0	4			
	10008055	Fuller Acres	Fuller Acres: off Ocean Blvd	Hampton	Distribution Main	2	Galvanized	Unlined	563	1935	0	0	0		0	0	0	1	3	0	0	0	0	4			
	10008094	Gentian Rd	Gentian Rd: south of Green St	Hampton	Distribution Main	6	Asbestos-cement	Unlined	200	1957	1	0	0		0	1	0	0	3	0	0	0	0	4			
	10008158	Glade Path	Glade Path: Bruce St to Francine St	Hampton	Distribution Main	6	Cast-iron	Cement-lined	164	1972	2	0	0		0	2	0	0	2	0	0	0	0	4			
	10008198	Green St	Greene St: Gentian Rd - Meadow Pond Rd	Hampton	Distribution Main	6	Asbestos-cement	Unlined	182	1955	1	0	0		0	1	0	0	3	0	0	0	0	4			
	10008423	High St	High St parallel main	Hampton	Distribution Main	4	Unknown	Unknown	273	0	1	0	0		0	1	0	3	0	0	0	0	0	4			
	10008466	Hobson Avenue	Hobson Ave: off Ashworth Ave	Hampton	Distribution Main	6	Asbestos-cement	Unlined	934	1956	1	0	0		0	1	0	0	3	0	0	0	0	4			
	10008800	Lafayette Road	Lafayette Rd: High St to Rice Terr	Hampton	Distribution Main	8	Cast-iron	Cement-lined	930	1960	0	2	0		0	0	0	0	2	2	0	0	0	4			
	10009038	Winnacunnet Road	Winnacunnet Rd AC: Presidential Cir to Sanborn Rd	Hampton	Transmission Main	12	Asbestos-cement	Unlined	988	1955	0	1	0		0	0	0	0	3	1	0	0	0	4			
	10009029	McKay Avenue	McKay Ave: off Church St	Hampton	Distribution Main	2	Galvanized	Unlined	407	1935	0	0	0		0	0	0	1	3	0	0	0	0	4			
	10009266	Nudd Avenue	Nudd Ave: Ashworth Ave to Highland Ave crossover	Hampton	Distribution Main	4	Cast-iron	Cement-lined	1,041	1956	0	2	0		0	0	0	0	2	2	0	0	0	4			
	10009992	Thomsen Road	Thomsen Rd: High St to Mace Rd	Hampton	Distribution Main	6	Asbestos-cement	Unlined	1,429	1956	1	0	0		0	1	0	0	3	0	0	0	0	4			
	10010069	Tobey Street	Tobey St: Gray Ave to High St	Hampton	Distribution Main	6	Asbestos-cement	Unlined	709	1956	1	0	0		0	1	0	0	3	0	0	0	0	4			
	10571707	Old Locke Road	Old Locke Rd: Pond Path to Rye Line	Rye	Distribution Main	6	Cast-iron	Cement-lined	612	1935	1	0	0		0	1	0	1	2	0	0	0	0	4			
	10617686	Winnacunnet Road	Winnacunnet Rd: Penniman Ln to Sanborn Rd	Hampton	Transmission Main	12	Asbestos-cement	Unlined	673	1955	0	1	0		0	0	0	0	3	1	0	0	0	4			
	10618350	Mill Pond Lane	Mill Pond Ln: High St to Little Fox Rd	Hamptonq	Distribution Main	8	Cast-iron	Cement-lined	581	1969	2	0	0		0	2	0	0	2	0	0	0	0	4			
	10618849	Winnacunnet Road	Winnacunnet Rd: Penniman Ln to Wentworth Ave	Hampton	Transmission Main	12	Asbestos-cement	Unlined	1,424	1955	0	1	0		0	0	0	0	3	1	0	0	0	4			
	10618851	Winnacunnet Road	Winnacunnet Rd: Lock Rd to Wentworth Ave	Hampton	Transmission Main	12	Asbestos-cement	Unlined	1,012	1955	0	1	0		0	0	0	0	3	1	0	0	0	4			
	10625918	Brown Avenue	Brown Ave: Island Path to Nudd Ave	Hampton	Distribution Main	8	Cast-iron	Cement-lined	487	1958	0	2	0		0	0	0	0	2	2	0	0	0	4			
	10625919	crossover	Crossover: Kentville Ter to Ross Ave	Hampton	Distribution Main	2	Unknown	Unknown	168	0	1	0	0		0	1	0	3	0	0	0	0	0	4			
	10625929	Campton Street	Campton St: Plymouth St to Thornton Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	584	1967	0	2	0		0	0	0	0	2	2	0	0	0	4			
	10692933	Carolan Avenue	Carolan Dr: Thayer Rd to Thayer Rd	Hampton	Distribution Main	8	Asbestos-cement	Unlined	593	1959	1	0	0		0	1	0	0	3	0	0	0	0	4			
	10697045	Nudd Avenue	Nudd Ave: Brown Ave to Highland Ave crossover	Hampton	Distribution Main	4	Cast-iron	Cement-lined	264	1958	0	2	0		0	0	0	0	2	2	0	0	0	4			
	10697126	Morningside Drive	Morningside Dr: Holly Ln to Tucker Ln	Hampton	Distribution Main	6	Asbestos-cement	Unlined	249	1954	1	0	0		0	1	0	0	3	0	0	0	0	4			
	10697222	Lafayette Road	Lafayette Rd: Rice Ter to Scott Rd	Hampton	Distribution Main	8	Cast-iron	Cement-lined	568	1960	0	2	0		0	0	0	0	2	2	0	0	0	4			
	10699962	Rt 101	Rt 101: Church St to Tide Mill Creek	Hampton	Distribution Main	12	Cast-iron	Cement-lined	2,400	1955	0	2	0		0	0	0	0	2	2	0	0	0	4			
	10699988	Winnacunnet Road	Winnacunnet Rd south: bridge to Viking St	Hampton	Distribution Main	12	Asbestos-cement	Unlined	237	1955	0	1	0		0	0	0	0	3	1	0	0	0	4			
	10006391	Sea Road	Sea Rd: Atlantic Ave to Ocean Blvd	North Hampton	Transmission Main	8	Cast-iron	Unlined	1,096	1960	1	0	0		0	1	0	0	2	0	0	1	0	4			
	10006453	Sylvan Road	Sylvan Rd: Meadown Fox Rd to Post Rd	North Hampton	Distribution Main	6	Cast-iron	Unlined	301	1960	1	0	0		0	1	0	0	2	0	0	1	0	4			
	10006603	Mill Road	Mill Rd: crossover at shop road	North Hampton	Transmission Main	10	Cast-iron	Unlined	6	1935	0	0	0		0	0	0	1	2	0	0	1	0	4			
	10006649	B St	B St	Hampton	Distribution Main	6	Cast-iron	Unlined	106	1966	1	0	0		0	1	0	0	2	0	0	1	0	4			
	10006850	Fielding Way	Fielding Way: Cable Rd to V 1001 6010	Rye	Distribution Main	4	Cast-iron	Unlined	25	1938	0	0	0		0	0	0	1	2	0	0	1	0	4			
	10007166	Sea Road	Sea Rd: Central Rd to Ocean Blvd	Rye	Distribution Main	8	Cast-iron	Unlined	1,647	1958	1	0	0		2010	1	0	0	2	0	0	1	0	4			
	10008535	Hurd Avenue	Hurd Ave: Carlson Rd to Trafford Rd	Hampton	Distribution Main	6	Cast-iron	Unlined	225	1958	1	0	0		0	1	0	0	2	0	0	1	0	4			
	10618496	North Shore Rd	North Shore Rd: Acorn Rd - Willow Ln	Hampton	Distribution Main	6	Cast-iron	Unlined	683	1930	0	0	0		0	0	0	1	2	0	0	1	0	4			
	10618497	North Shore Rd	North Shore Rd: Seaview Ave - Willow Ln	Hampton	Distribution Main	6	Cast-iron	Unlined	242	1930	0	0	0		0	0	0	1	2	0	0	1	0	4			
	10618498	North Shore Rd	North Shore Rd: Briar Rd - Seaview Ave	Hampton	Distribution Main	6	Cast-iron	Unlined	386	1930	0	0	0		0	0	0	1	2	0	0	1	0	4			
	10618499	North Shore Rd	North Shore Rd: Briar Rd - Robin Ln	Hampton	Distribution Main	6	Cast-iron	Unlined	486	1930	0	0	0		0	0	0	1	2	0	0	1	0	4			
	10618500	North Shore Rd	North Shore Rd: Cusack Rd - Robin Ln	Hampton	Distribution Main	6	Cast-iron	Unlined	709	1930	0	0	0		0	0	0	1	2	0	0	1	0	4			
	10697135	Mill Road	Mill Rd: Homestead Cir to Philbrook Ter	Hampton	Transmission Main	8	Cast-iron	Unlined	290	1940	0	0	0		0	0	0	1	2	0	0	1	0	4			
	10697137	Mill Road	Mill Rd: Anns Ln to Well 9	Hampton	Transmission Main	8	Cast-iron	Unlined	2 764	1940	0	0	0		0	0	0	1	2	0	0	1	0	4			
	10697179	Locke Road	Locke Rd: Wentworth Ave to Winnacunnet Rd	Hampton	Distribution Main	8	Cast-iron	Unlined	1,211	1940	0	0	0		0	0	0	1	2	0	0	1	0	4			
	10700092	Central Road	Well 5 transmission main	Rye	Transmission Main	6	Cast-iron	Unlined	194	1937	0	0	0		0	0	0	1	2	0	0	1	0	4			
	10700094	Central Road	Well 5A supply main	Rye	Supply Main	6	Cast-iron	Unlined	16	1937	0	0	0		0	0	0	1	2	0	0	1	0	4			
	10700095	Central Road	Well 5A supply main	Rye	Supply Main	6	Cast-iron	Unlined	32	1937	0	0	0		0	0	0	1	2	0	0	1	0	4			
	10700103	Winnacunnet Road	Winnacunnet Rd: crossover at V 1000 6859	Hampton	Transmission Main	8	Cast-iron	Unlined	12	1955	0	1	0		0	0	0	0	2	1	0	1	0	4			
	10006709	Breakers Rd	Breakers Rd	Rye	Distribution Main	8	Cast-iron	Cement-lined	528	1971	0	0	0		2019	0	0	0	2	0	0	0	2	4			

CM-2 List of Water Mains

Year	SAPID	Street	Description	Town	Class	Size (in)	Material	Lining	Length (ft)	Installed	Breaks	Hydraulic	Critical Customer	Bleeder	Paving Year	Main Breaks	Bleeder?	Pipe Age	Pipe Material	Hydraulic	Critical Customer	Lining	Schedule	Total	Estimated Cost Low	Estimated Cost High	Comments
	10006875	Foster Lane	Foster Ln: Maple Ave to McLaughlin Dr	Rye	Distribution Main	8	Cast-iron	Cement-lined	502	1968	0	0	0		2019	0	0	0	2	0	0	0	2	4			
	10007018	McLaughlin Drive	McLaughlin Dr: Central Rd to Foster Ln	Rye	Distribution Main	8	Cast-iron	Cement-lined	677	1968	0	0	0		2019	0	0	0	2	0	0	0	2	4			
	10007094	Old Beach Road	Old Beach Rd: Beach Access North to private rd	Rye	Distribution Main	8	Cast-iron	Cement-lined	203	1961	0	0	0		2018	0	0	0	2	0	0	0	2	4			
	10007092	Perkins Road	Perkins Rd: Central Rd to Maple Ave	Rye	Distribution Main	6	Cast-iron	Cement-lined	1,320	1961	0	0	0		2018	0	0	0	2	0	0	0	2	4			
	10007102	Old Beach Road	Old Beach Rd: Beach Access North to Straws Pt Rd	Rye	Distribution Main	6	Cast-iron	Cement-lined	312	1961	0	0	0		2018	0	0	0	2	0	0	0	2	4			
	10007379	Perkins Road	Perkins Rd: Bernard Dr to Maple Ave	Rye	Distribution Main	6	Cast-iron	Cement-lined	116	1961	0	0	0		2018	0	0	0	2	0	0	0	2	4			
	10007488	Dearborn Avenue	Dearborn Ave: High St to Moore Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	2,039	1967	0	0	2		0	0	0	0	2	0	2	0	0	4			
	10007785	Elliot Street	Elliot St: High St to Randall St	Hampton	Distribution Main	6	Cast-iron	Cement-lined	303	1965	0	0	0		2019	0	0	0	2	0	0	0	2	4			
	10008266	Elliot Street	Elliot St: Randall St to V 1001 0091	Hampton	Distribution Main	6	Cast-iron	Cement-lined	444	1965	0	0	0		2019	0	0	0	2	0	0	0	2	4			
	10009520	Randall Street	Randall St: Elliott St to Jenness Rd	Hampton	Distribution Main	6	Cast-iron	Cement-lined	317	1966	0	0	0		2019	0	0	0	2	0	0	0	2	4			
	10625914	Bradstreet Road	Bradstreet Rd: Janvrin St to Jenness Rd	Hampton	Distribution Main	8	Cast-iron	Cement-lined	416	1963	0	0	0		2019	0	0	0	2	0	0	0	2	4			
	10625915	Bradstreet Road	Bradstreet Rd: Hedman Ave to Janvrin St	Hampton	Distribution Main	8	Cast-iron	Cement-lined	249	1963	0	0	0		2019	0	0	0	2	0	0	0	2	4			
	10697017	Randall Street	Randall St: Janvrin St to Jenness Rd	Hampton	Distribution Main	6	Cast-iron	Cement-lined	356	1965	0	0	0		2019	0	0	0	2	0	0	0	2	4			
	10697018	Randall Street	Randall St: Hedman Ave to Janvrin St	Hampton	Distribution Main	6	Cast-iron	Cement-lined	248	1965	0	0	0		2019	0	0	0	2	0	0	0	2	4			
	10697149	McLaughlin Drive	McLaughlin Dr: Foster Ln to Maple Ave	Rye	Distribution Main	8	Cast-iron	Cement-lined	601	1968	0	0	0		2019	0	0	0	2	0	0	0	2	4			
	10697232	Lafayette Road	Lafayette Rd: Lamson Ln to Watsons Ln 12-in	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	419	1965	0	2	2		0	0	0	0	0	2	2	0	0	4			
	10700031	Alumni Drive	Winnacunnet High School: off Alumni Dr	Hampton	Distribution Main	6	Cast-iron	Cement-lined	303	1968	0	0	2		0	0	0	0	2	0	2	0	0	4			
	10700083	Surf Lane	Surf Ln: Breakers Rd to Cable Rd	Rye	Distribution Main	8	Cast-iron	Cement-lined	243	1971	0	0	0		2019	0	0	0	2	0	0	0	2	4			
	10700084	Surf Lane	Surf Ln: Breakers Rd to Jenness Ave	Rye	Distribution Main	6	Cast-iron	Cement-lined	267	1971	0	0	0		2019	0	0	0	2	0	0	0	2	4			
	10700085	Surf Lane	Surf Ln: Jenness Ave to West Atlantic	Rye	Distribution Main	6	Cast-iron	Cement-lined	225	1971	0	0	0		2019	0	0	0	2	0	0	0	2	4			
	10700117	Winnicut Road	Well 10 supply main	North Hampton	Supply Main	12	Cast-iron	Cement-lined	723	1962	0	0	2		0	0	0	0	2	0	2	0	0	4			
	10700140	Chapel Road	Chapel Rd: Maple Ave to PRV	North Hampton	Distribution Main	8	Cast-iron	Cement-lined	28	1965	0	0	2		0	0	0	0	2	0	2	0	0	4			
	10712666	Mill Road	Main Rd	Hampton	Distribution Main	6	Cast-iron	Cement-lined	22	1964	0	0	2		0	0	0	0	2	0	2	0	0	4			
	10006826	Central Road	Central Rd: north off Cable Rd	Rye	Distribution Main	1	Copper	Unlined	337	1937	0	0	0		2017	0	0	1	0	0	0	0	3	4			
	10006291	Ocean Blvd	Ocean Blvd: Appledore Ave to Sea Rd	North Hampton	Transmission Main	8	Cast-iron	Unlined	2,691	1915	1	0	0		2013	1	0	2	2	0	0	1	-3	3			
	10618534	Ocean Blvd	Ocean Blvd: Nor East Ln - N Hampton Town Line	Hampton	Distribution Main	8	Cast-iron	Unlined	494	1915	1	0	0		2013	1	0	2	2	0	0	1	-3	3			
	10700039	Exeter Road	Exeter Rd: Falcone Cir to Liberty Ln	Hampton	Distribution Main	12	Cast-iron	Cement-lined	1,375	1962	0	0	0	YES	2012	0	2	0	2	0	0	0	-2	3			
	10006002	Birch Road	Birch Rd: Victor Rd to Dunvegan Woods	Hampton	Distribution Main	6	Asbestos-cement	Unlined	323	1960	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10006049	Elm Road	Elm Rd: Birch Rd to Lafayette Rd	North Hampton	Distribution Main	8	Asbestos-cement	Unlined	1,069	1957	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10006073	Birch Road	Birch Rd: Elm Rd to Hobbs Rd	North Hampton	Distribution Main	8	Asbestos-cement	Unlined	1,007	1967	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10006164	Hobbs Road	Hobbs Rd: Lafayette Rd to New Rd	North Hampton	Distribution Main	8	Asbestos-cement	Unlined	830	1963	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10006172	Hobbs Road	Hobbs Rd: Atlantic Ave to New Rd	North Hampton	Distribution Main	8	Asbestos-cement	Unlined	1,690	1963	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10006204	Centennial Hall	Centennial Hall: Atlantic Ave to Post Rd	North Hampton	Distribution Main	8	Asbestos-cement	Unlined	643	1963	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10006249	New Road	New Rd: Hobbs Rd to Shepherds Ln	North Hampton	Distribution Main	8	Asbestos-cement	Unlined	516	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10006621	Post Road	Post Rd: Meadow Fox Rd to Stevens Rd	North Hampton	Transmission Main	8	Asbestos-cement	Unlined	533	1957	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10006781	Atlantic Ave	Atlantic Ave: off Ocean Blvd	Hampton	Distribution Main	6	Cast-iron	Cement-lined	472	1968	1	0	0		0	1	0	0	2	0	0	0	0	3			
	10006877	Bailey Avenue	Bailey Ave: parallels Ocean Blvd	Hampton	Distribution Main	12	Asbestos-cement	Unlined	993	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10006883	Gray Court	Gray Ct: off Big Rock Rd	Rye	Distribution Main	6	Asbestos-cement	Unlined	691	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10006892	Huntervale Avenue	Huntervale Ave: Central Rd to Douglas Cir	Rye	Distribution Main	4	Asbestos-cement	Unlined	690	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10006955	Beatrice Ln	Beatrice Ln	Hampton	Distribution Main	6	Asbestos-cement	Unlined	209	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10006966	Lawrence Lane	Lawrence Ln	Rye	Distribution Main	6	Asbestos-cement	Unlined	460	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10007002	Bittersweet Ln	Bittersweet Ln	Hampton	Distribution Main	6	Cast-iron	Cement-lined	317	1972	1	0	0		0	1	0	0	2	0	0	0	0	3			
	10007014	Blake Ln	Blake Ln	Hampton	Distribution Main	6	Asbestos-cement	Unlined	779	1952	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10007065	Bourn Avenue	Bourn Ave	Hampton	Distribution Main	6	Asbestos-cement	Unlined	1,327	1955	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10007116	Bonair Avenue	Bonair Ave: Acadia Ave to Shirley Ter	Hampton	Distribution Main	6	Asbestos-cement	Unlined	310	1955	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10007145	Bernard Drive	Bernard Dr: off Perkins Rd	Rye	Distribution Main	6	Asbestos-cement	Unlined	1,194	1962	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10007201	Carlson Road	Carlson Rd: Hurd St to Winnacunnet Rd	Hampton	Distribution Main	6	Asbestos-cement	Unlined	366	1956	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10007211	Straws Point Road	Straws Point Rd: Old Beach Rd to Wildwood Ln	Rye	Distribution Main	8	Asbestos-cement	Unlined	490	1961	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10007220	Straws Point Road	Straws Point Rd: private ln to end	Rye	Distribution Main	6	Cast-iron	Cement-lined	350	1973	1	0	0		0	1	0	0	2	0	0	0	0	3			
	10007240	Carlson Road	Carlson Rd: Hurd St to Sanborn Rd	Hampton	Distribution Main	6	Asbestos-cement	Unlined	895	1956	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10007413	Curtis Street	Curtis St: off Naves Rd	Hampton	Distribution Main	6	Asbestos-cement	Unlined	231	1959	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10007424	Cusack Road	Cusack Rd @ Ocean Blvd	Hampton	Distribution Main	6	Cast-iron	Cement-lined	330	1966	1	0	0		0	1	0	0	2	0	0	0	0	3			
	10007460	D Street	D St: Ashworth Ave to Ocean Blvd	Hampton	Distribution Main	12	Asbestos-cement	Unlined	496	1965	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10007536	Cliff Avenue	Cliff Ave: Boars Head Ter to old tank site	Hampton	Distribution Main	10	Asbestos-cement	Unlined	248	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10007753	Elaine Street	Elaine St: Richard St to Winnacunnet Rd	Hampton	Distribution Main	6	Asbestos-cement	Unlined	1,098	1956	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10007793	Elm Drive	Elm Dr	Hampton	Distribution Main	8	Asbestos-cement	Unlined	610	1959	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10007822	Emery Lane	Emery Ln: George Ave to Mill Rd	Hampton	Distribution Main	6	Asbestos-cement	Unlined	403	1952	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10007859	Evergreen Road	Evergreen Rd: Burgundy Dr to Heather Ln	Hampton	Distribution Main	6	Cast-iron	Cement-lined	732	1965	1	0	0		0	1	0	0	2	0	0	0	0	3			
	10007983	F Street	F St: Ashworth Ave to Ocean Blvd	Hampton	Distribution Main	8	Asbestos-cement	Unlined	473	1952	0	0	0		0	0	0	0	3	0	0	0	0	3			

CMP List of Water Mains

Year	SAPID	Street	Description	Town	Class	Size (in)	Material	Lining	Length (ft)	Installed	Breaks	Hydraulic	Critical Customer	Bleeder	Paving Year	Main Breaks	Bleeder?	Pipe Age	Pipe Material	Hydraulic	Critical Customer	Lining	Schedule	Total	Estimated Cost Low	Estimated Cost High	Comments
	10008105	George Avenue	George Ave: Emery Ln to High St	Hampton	Distribution Main	6	Asbestos-cement	Unlined	479	1952	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10008145	Godfrey Avenue	Godfrey Ave	Hampton	Distribution Main	6	Asbestos-cement	Unlined	[illegible]	[illegible]	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10008168	Gray Avenue	Gray Ave: off Tobey St	Hampton	Distribution Main	6	Asbestos-cement	Unlined	619	1955	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10008229	Hackett Lane	Hackett Ln: off Moore Ave	Hampton	Distribution Main	8	Asbestos-cement	Unlined	188	1951	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10008260	Heather Lane	Heather Ln: Evergreen Rd to Longwood Dr	Hampton	Distribution Main	8	Cast-iron	Cement-lined	361	1965	1	0	0		0	1	0	0	2	0	0	0	0	3			
	10008454	Hobbs Road	Hobbs Rd: Mace Rd to CI segment	Hampton	Distribution Main	6	Asbestos-cement	Unlined	606	1956	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10008477	Holly Lane	Holly Ln: Eastmore Ln to Morningside Dr	Hampton	Distribution Main	6	Asbestos-cement	Unlined	433	1954	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10008496	Homestead Circle	Homestead Cir: loop	Hampton	Distribution Main	6	Asbestos-cement	Unlined	1,494	1956	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10008705	Josephine Drive	Josephine Dr: Carolan Ave to Elm Dr	Hampton	Distribution Main	6	Asbestos-cement	Unlined	140	1959	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10008824	Lamson Lane	Lamson Ln: Karen St to Lafayette Rd	Hamptonq	Distribution Main	6	Asbestos-cement	Unlined	801	1956	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10008900	Leavitt Road	Leavitt Rd: High St to Morningside Dr	Hampton	Distribution Main	6	Asbestos-cement	Unlined	1,280	1952	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10008907	Liberty Lane	Liberty Ln E: Exeter Rd to Turnpike	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	1,219	1984-	0	3	0		0	0	0	0	0	3	0	0	0	3			
	10008940	Locke Road	Locke Rd: Bradstreet Rd to High St	Hampton	Distribution Main	6	Asbestos-cement	Unlined	706	1953	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10008978	M Street	M St: Ashworth Ave to Ocean Blvd	Hampton	Distribution Main	6	Asbestos-cement	Unlined	607	1952	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10008988	Mace Road	Mace Rd: Little River Rd to Tobey St	Hampton	Distribution Main	6	Asbestos-cement	Unlined	879	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10008998	Holly Lane	Holly Ln: Morningside Ln to DI segment	Hampton	Distribution Main	6	Asbestos-cement	Unlined	420	1954	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10009000	Milbern Avenue	Milbern Ave: Harbour Rd to Mace Rd	Hampton	Distribution Main	8	Cast-iron	Cement-lined	1,476	1962	1	0	0		0	1	0	0	2	0	0	0	0	3			
	10009133	Morningside Drive	Morningside Dr: Holly Ln to Moulton Rd	Hampton	Distribution Main	6	Asbestos-cement	Unlined	301	1954	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10009240	Palmer St	Palmer St	Hampton	Distribution Main	4	Asbestos-cement	Unlined	316	1956	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10009350	Park Avenue	Park Ave: high school to Wheaton Ln Ter	Hampton	Distribution Main	8	Asbestos-cement	Unlined	475	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10009415	Philbrook Terr	Philbrook Ter	Hampton	Distribution Main	6	Asbestos-cement	Unlined	628	1956	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10009541	Red Coat Ln	Red Coat Ln	Hampton	Distribution Main	6	Asbestos-cement	Unlined	348	1957	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10009597	Richard Street	Richard St: Klaus St to Winnacunnet Rd	Hampton	Distribution Main	6	Asbestos-cement	Unlined	1,000	1956	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10009607	Ridgeview Terrace	Ridgeview Ter: Mace Rd to GV0475	Hampton	Distribution Main	6	Asbestos-cement	Unlined	242	1956	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10009636	Riverview Terrace	Riverview Terr: west off Ashworth Ave	Hampton	Distribution Main	6	Asbestos-cement	Unlined	611	1956	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10009665	River Avenue	River Ave: Dover Ave to Epping Rd	Hampton	Distribution Main	6	Asbestos-cement	Unlined	173	1961	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10009810	Sicard St	Sicard St	Hampton	Distribution Main	6	Asbestos-cement	Unlined	324	1956	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10010069	Tower Drive	Tower Dr: off Lafayette Rd	Hampton	Distribution Main	6	Asbestos-cement	Unlined	514	1956	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10010136	Tucker Lane	Tucker Ln: Eastmore to Morningside	Hampton	Distribution Main	6	Asbestos-cement	Unlined	436	1954	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10010145	Tuttle Avenue	Tuttle Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	564	1962	1	0	0		0	1	0	0	2	0	0	0	0	3			
	10010224	Tucker Lane	Tucker Ln: Belmont to Morningside	Hampton	Distribution Main	6	Asbestos-cement	Unlined	401	1954	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10010325	Whitten Ave	Whitten Ave	Hampton	Distribution Main	8	Cast-iron	Cement-lined	520	1972	1	0	0		0	1	0	0	2	0	0	0	0	3			
	10010366	Wigwam Circle	Wigwam Cir	Hampton	Distribution Main	6	Asbestos-cement	Unlined	338	1956	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10010473	Yeaton Rd	Yeaton St	Hampton	Distribution Main	6	Asbestos-cement	Unlined	233	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10010483	Carlson Road	Carlson Rd: Locke Rd to Sanborn Rd	Hampton	Distribution Main	6	Asbestos-cement	Unlined	180	1956	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10010492	Atlantic Avenue	Atlantic Ave: Lafayette Rd intersection	North Hampton	Distribution Main	8	Asbestos-cement	Unlined	20	1950	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10010839	New Road	New Rd: Post Rd to Shepherds Ln	North Hampton	Distribution Main	8	Asbestos-cement	Unlined	1,404	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10010902	Post Road	Post Rd: Stevens Rd to Stevens Rd	North Hampton	Transmission Main	8	Asbestos-cement	Unlined	269	1957	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10011011	Post Road	Post Rd: Hillside Rd to Stevens Rd	North Hampton	Distribution Main	8	Asbestos-cement	Unlined	277	1957	0	0	0		[illegible]	0	0	0	3	0	0	0	0	3			
	10011078	Atlantic Avenue	Atlantic Ave: Hobbs Rd to Lafayette Rd	North Hampton	Distribution Main	8	Asbestos-cement	Unlined	2,862	1956	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10571705	Old Locke Rd	Old Locke Rd: Causeway Rd - North Hampton line	Rye	Distribution Main	6	Cast-iron	Cement-lined	331	1935	0	0	0		0	0	0	1	2	0	0	0	0	3			
	10616044	Atlantic Avenue	Atlantic Ave: V 1000 2037 to Woodland Rd	North Hampton	Transmission Main	12	Ductile-iron	Cement-lined	1,437	2011	0	3	0		0	0	0	0	0	3	0	0	0	3			
	10617583	High St	High St	Hampton	Distribution Main	10	Asbestos-cement	Unlined	180	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10618356	Gentian Rd	Gentian Rd: north of Green St	Hampton	Distribution Main	6	Asbestos-cement	Unlined	261	1957	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10618358	Meadow Pond Rd	Meadow Pond Rd: Greene St - Greene St	Hampton	Distribution Main	6	Asbestos-cement	Unlined	69	1965	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10618360	Green St	Greene St: Kings Hwy - Meadow Pond Rd	Hampton	Distribution Main	6	Asbestos-cement	Unlined	228	1955	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10618504	Briar Rd	Briar Rd: Lancaster St - Wild Rose Ln	Hampton	Distribution Main	6	Cast-iron	Cement-lined	170	1969	1	0	0		0	1	0	0	2	0	0	0	0	3			
	10618505	Briar Rd	Briar Rd: Cranberry Ln - Wild Rose Ln	Hampton	Distribution Main	6	Cast-iron	Cement-lined	438	1969	1	0	0		0	1	0	0	2	0	0	0	0	3			
	10620774	High St	High St crossover	Hampton	Distribution Main	4	Unknown	Unknown	57	0	0	0	0		0	0	0	3	0	0	0	0	0	3			
	10692929	Seavey Street	Seavey St: Colonial Cir to Wingate St	Hampton	Distribution Main	8	Cast-iron	Cement-lined	272	1966	1	0	0		0	1	0	0	2	0	0	0	0	3			
	10692934	Josephine Drive	Josephine Dr: Bourn Ave to Elm Dr	Hampton	Distribution Main	6	Asbestos-cement	Unlined	236	1959	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10692935	Josephine Drive	Josephine Dr: Bourn Ave to Godfrey Ave	Hampton	Distribution Main	6	Asbestos-cement	Unlined	524	1956	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10692936	Josephine Drive	Josephine Dr: Bourn Ave to Godfrey Ave	Hampton	Distribution Main	6	Asbestos-cement	Unlined	98	1956	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10692937	Josephine Drive	Josephine Dr: Godfrey Ave to Godirey Ave	Hampton	Distribution Main	6	Asbestos-cement	Unlined	501	1956	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10692939	Josephine Drive	Josephine Dr: Exeter Rd to Wigwam Cir	Hampton	Distribution Main	6	Asbestos-cement	Unlined	170	1956	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10692940	Josephine Drive	Josephine Dr: stub near V 1000 8494	Hampton	Distribution Main	6	Asbestos-cement	Unlined	17	1956	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10692948	Carolan Avenue	Carolan Dr: Exeter Rd to Thayer Rd	Hampton	Distribution Main	8	Asbestos-cement	Unlined	247	1959	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10695645	Turk Road	Turk Rd: Copper St to end	Hampton	Distribution Main	6	Asbestos-cement	Unlined	413	1967	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10695646	Tobey Street	Tobey St: Gray Ave to Mace Rd	Hampton	Distribution Main	6	Asbestos-cement	Unlined	282	1955	0	0	0		0	0	0	0	3	0	0	0	0	3			

Year	SAPID	Street	Description	Town	Class	Size (in)	Material	Lining	Length (ft)	Installed	Breaks	Hydraulic	Critical Customer	Bleeder	Paving Year	Main Breaks	Bleeder?	Pipe Age	Pipe Material	Hydraulic	Critical Customer	Lining	Schedule	Total	Estimated Cost Low	Estimated Cost High	Comments
	10697022	Post Road	Post Rd: Exeter Rd to Hillside Rd	North Hampton	Transmission Main	8	Asbestos-cement	Unlined	2,506	1957	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697023	Post Road	Post Rd: Centennial Hall to Exeter Rd	North Hampton	Transmission Main	8	Asbestos-cement	Unlined	827	1957	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697024	Post Road	Post Rd: Centennial Hall to Grandview Ter	North Hampton	Transmission Main	8	Asbestos-cement	Unlined	420	1957	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697025	Post Road	Post Rd: Grandview Ter to Walnut Ave	North Hampton	Transmission Main	8	Asbestos-cement	Unlined	417	1957	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697026	Post Road	Post Rd: V 1000 8170 to Walnut Ave	North Hampton	Transmission Main	8	Asbestos-cement	Unlined	421	1957	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697127	Morningside Drive	Morningside Dr: Leavitt Rd to Tucker Ln	Hampton	Distribution Main	6	Asbestos-cement	Unlined	392	1954	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697130	Mill Road	Mill Rd: Anne Ln to Philbrook Ter	Hampton	Transmission Main	8	Cast-iron	Cement-lined	283	1940	0	0	0		0	0	0	1	2	0	0	0	0	3			
	10697152	Mace Road	Mace Rd: Thomsen Rd to Tobey St	Hampton	Distribution Main	8	Asbestos-cement	Unlined	372	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697153	Mace Road	Mace Rd: Naves Rd to Thomsen Rd	Hampton	Distribution Main	8	Asbestos-cement	Unlined	57	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697154	Mace Road	Mace Rd: Hobbs Rd to Naves Rd	Hampton	Distribution Main	8	Asbestos-cement	Unlined	156	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697155	Mace Road	Mace Rd: Hobbs Rd to Norton Rd	Hampton	Distribution Main	8	Asbestos-cement	Unlined	142	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697162	Mill Road	Mill Rd: booster discharge to High st	Hampton	Distribution Main	12	Asbestos-cement	Unlined	1,322	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697164	Mill Road	Mill Rd: Mace Rd to Vanderpool Dr	Hampton	Distribution Main	12	Asbestos-cement	Unlined	77	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697165	Mill Road	Mill Rd: Barbour Rd to Vanderpool Dr	Hampton	Distribution Main	12	Asbestos-cement	Unlined	1,792	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697166	Mill Road	Mill Rd: Barbour Rd to Well 9	Hampton	Distribution Main	12	Asbestos-cement	Unlined	808	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697167	Mill Road	Mill Rd: Watsons Ln to Well 9	Hampton	Distribution Main	12	Asbestos-cement	Unlined	448	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697168	Mill Road	Mill Rd: Watsons Ln to crossover	Hampton	Distribution Main	12	Asbestos-cement	Unlined	27	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697170	Mill Road	Mill Rd: crossover to Wayside Farm Ln	Hampton	Distribution Main	12	Asbestos-cement	Unlined	22	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697171	Mill Road	Mill Rd: Sicard St to Wayside Farm Ln	Hampton	Distribution Main	12	Asbestos-cement	Unlined	389	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697172	Mill Road	Mill Rd: North Hampton line to Sicard St	Hampton	Distribution Main	12	Asbestos-cement	Unlined	1,008	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697173	Mill Road	Mill Rd: Hampton line to wellfield south	North Hampton	Distribution Main	12	Asbestos-cement	Unlined	193	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697176	Locke Road	Locke Rd: Bradstreet Rd to Carlson Rd	Hampton	Distribution Main	6	Asbestos-cement	Unlined	373	1963	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697177	Locke Road	Locke Rd: Carlson Rd to Edgewood Dr	Hampton	Distribution Main	6	Asbestos-cement	Unlined	256	1963	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697178	Locke Road	Locke Rd: Edgewood Dr to Wentworth Ave	Hampton	Distribution Main	6	Asbestos-cement	Unlined	415	1963	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697189	Liberty Lane	Liberty Ln: Towle Farm cross to turnpike cross	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	67	1985	0	3	0		0	0	0	0	0	3	0	0	0	3			
	10697190	Liberty Lane	8-in cross: Liberty Ln to Towle Farm Rd	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	221	1985	0	3	0		0	0	0	0	0	3	0	0	0	3			
	10697191	Leavitt Road	Leavitt Rd: Morningside Dr to CI segment	Hampton	Distribution Main	6	Asbestos-cement	Unlined	1,455	1954	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697251	Island Path	Island Path: Brown Ave to Jones Ave	Hampton	Distribution Main	6	Asbestos-cement	Unlined	579	1954	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697252	Island Path	Island Path: Batcock Ave to Brown Ave	Hampton	Distribution Main	6	Asbestos-cement	Unlined	304	1954	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697253	Island Path	Island Path: PVC segment west of Batcock Ave	Hampton	Distribution Main	8	PVC	Unlined	2,176	1993	0	0	0	YES	0	0	3	0	0	0	0	0	0	3			
	10697256	Huntervale Avenue	Hunterville Ave: Cable Rd to Douglas Cir	Rye	Distribution Main	6	Asbestos-cement	Unlined	300	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10697257	Homestead Circle	Homestead Cir: Mill Rd to loop	Hampton	Distribution Main	6	Asbestos-cement	Unlined	164	1956	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10698370	Ashworth Avenue	Ashworth Ave: Bailey Ave to Dustin Ave	Hampton	Transmission Main	12	Asbestos-cement	Unlined	131	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10699955	crossover	crossover: Highland Ave to Nudd Ave	Hampton	Distribution Main	12	Asbestos-cement	Unlined	241	1954	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10699965	Park Avenue	Park Ave: Lafayette Rd crossover to end	Hampton	Distribution Main	6	Cast-iron	Cement-lined	426	1966	1	0	0		0	1	0	0	2	0	0	0	0	3			
	10700042	Turnpike	Turnpike crossing: Langdale Dr to Liberty Ln	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	570	1985	0	3	0		0	0	0	0	0	3	0	0	0	3			
	10700044	Towle Farm Road	Towle Farm Rd: cross to H271	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	431	1985	0	3	0		0	0	0	0	0	3	0	0	0	3			
	10700101	Winnacunnet Road	Winnacunnet Rd: bridge to Kings Hwy	Hampton	Transmission Main	12	Asbestos-cement	Unlined	400	1955	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10700102	Winnacunnet Rd	Winnacunnet Rd: crossover at V 1000 6891	Hampton	Transmission Main	8	Cast-iron	Cement-lined	12	1955	0	1	0		0	0	0	0	2	1	0	0	0	3			
	10700113	Highland Avenue	Highland Ave to Nudd Ave crossover	Hampton	Distribution Main	12	Asbestos-cement	Unlined	23	1954	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10700142	Alden Avenue	Alden Ave: Glendale Rd to Hampshire Dr	North Hampton	Distribution Main	8	Cast-iron	Cement-lined	131	1962	1	0	0		0	1	0	0	2	0	0	0	0	3			
	10700158	Lafayette Road	Seacoast Plaza off Lafayette Rd	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	283	0	0	0	0		0	0	0	3	0	0	0	0	0	3			
	10712506	Mace Road	Mill Rd	Hampton	Distribution Main	12	Asbestos-cement	Unlined	46	1958	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10721380	Hobbs Road	Hobbs Rd: Lafayette Rd to New Rd	North Hampton	Distribution Main	6	Asbestos-cement	Unlined	401	1953	0	0	0		0	0	0	0	3	0	0	0	0	3			
	10721381	Hobbs Road		North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	30	0	0	0			0	0	0	3	0	0	0	0	0	3			
	10006226	Meadow Fox Road	Meadow Fox Rd: Post Rd to Sylvan Rd	North Hampton	Distribution Main	8	Cast-iron	Unlined	716	1960	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10006918	Juniper Ln	Juniper Ln: Huckleberry Ln - Linden Ln	Hampton	Distribution Main	8	Cast-iron	Unlined	257	1961	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10007029	Myrica Avenue	Myrica Ave: Ocean Blvd to private rd	Rye	Distribution Main	6	Cast-iron	Unlined	308	1964	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10007101	Bragg Ave	Bragg Ave	Hampton	Distribution Main	6	Cast-iron	Unlined	378	1960	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10007313	Colby Street	Colby St: off Wentworth Ave	Hampton	Distribution Main	6	Cast-iron	Unlined	195	1964	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10007737	Edgewood Drive	Edgewood Dr: Laurel Ln to Locke Rd	Hampton	Distribution Main	6	Cast-iron	Unlined	347	1963	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10007806	Edgewood Drive	Edgewood Dr: GV0210 to Laurel Ln	Hampton	Distribution Main	6	Cast-iron	Unlined	671	1953	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10008076	G Street	G St: Ashworth Ave to Ocean Blvd	Hampton	Distribution Main	8	Cast-iron	Unlined	475	1971	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10008220	H Street	H St: Ashworth Ave to Ocean Blvd	Hampton	Distribution Main	8	Cast-iron	Unlined	483	1969	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10008299	Eastmore Lane	Eastmore Ln: Holly Ln to Leary Ln	Hampton	Distribution Main	6	Cast-iron	Unlined	118	1961	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10008506	Huckleberry Ln	Huckleberry Ln: Bay Berry Ln - Ocean Blvd	Hampton	Distribution Main	8	Cast-iron	Unlined	1,487	1961	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10008547	I Street	I St: Ashworth Ave to Ocean Blvd	Hampton	Distribution Main	6	Cast-iron	Unlined	505	1966	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10008603	J Street	J St: Ashworth Ave to Ocean Blvd	Hampton	Distribution Main	6	Cast-iron	Unlined	532	1964	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10008725	K Street	K St: Ashworth Ave to Ocean Blvd	Hampton	Distribution Main	6	Cast-iron	Unlined	555	1964	0	0	0		0	0	0	0	2	0	0	1	0	3			

CM-2 List of Water Mains

Year	SAPID	Street	Description	Town	Class	Size (in)	Material	Lining	Length (ft)	Installed	Breaks	Hydraulic	Critical Customer	Bleeder	Paving Year	Main Breaks	Bleeder?	Pipe Age	Pipe Material	Hydraulic	Critical Customer	Lining	Schedule	Total	Estimated Cost Low	Estimated Cost High	Comments
	10008791	L Street	L St: Ashworth Ave to Ocean Blvd	Hampton	Distribution Main	6	Cast-iron	Unlined	[illegible]	1972	0	0	0		0	0	0	0	2	0	0	1	0	3			
	[illegible]	Laurel Lane	Laurel Ln: Edgewood Dr to [illegible]	Hampton	Distribution Main	6	Cast-iron	Unlined	437	[illegible]	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10008890	Leary Lane	Leary Ln: Eastmore Ln to Lamprey Ter	Hampton	Distribution Main	6	Cast-iron	Unlined	631	1961	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10008921	Juniper Ln	Linden Ln	Hampton	Distribution Main	6	Cast-iron	Unlined	729	1961	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10009164	N Street	N St: Ashworth Ave to Ocean Blvd	Hampton	Distribution Main	8	Cast-iron	Unlined	615	1971	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10009186	Naves Road	Naves Rd: Curtis St to Mace Rd	Hampton	Distribution Main	6	Cast-iron	Unlined	503	1957	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10009276	Oak Road	Oak Rd: High St to Hutchinson Dr	Hampton	Distribution Main	6	Cast-iron	Unlined	162	1960	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10009434	Pine St	Pine Rd: High St - Victor Rd	Hampton	Distribution Main	6	Cast-iron	Unlined	[illegible]	1964	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10009450	Naves Road	Naves Rd: Beatrice Ln to Curtis St	Hampton	Distribution Main	6	Cast-iron	Unlined	237	1957	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10009675	Ridgeview Terrace	Ridgeview Ter: V 1001 0256 to end	Hampton	Distribution Main	6	Cast-iron	Unlined	661	1959	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10009741	Seavey Street	Seavey St: Carolan Ave to Wingate St	Hampton	Distribution Main	8	Cast-iron	Unlined	278	1960	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10009799	Shirley Terrace	Shirley Terr: west of Bonair Ave	Hampton	Distribution Main	6	Cast-iron	Unlined	334	1956	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10009820	Sixteenth St	Sixteenth St	Hampton	Distribution Main	6	Cast-iron	Unlined	[illegible]	[illegible]	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10009844	Shirley Terrace	Shirley Terr: east off Bonair Ave	Hampton	Distribution Main	6	Cast-iron	Unlined	349	1956	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10009904	Susan Lane	Susan Ln: off Brown Ave	Hampton	Distribution Main	6	Cast-iron	Unlined	203	1970	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10010049	Tide Mill Road	Tide Mill Rd: Landing Rd to PRV feed	Hampton	Transmission Main	12	Cast-iron	Unlined	1,768	1966	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10010118	Trafford Road	Trafford Rd: Hurd St to Sanborn Rd	Hampton	Distribution Main	6	Cast-iron	Unlined	849	1957	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10010194	Victor Road	Victor Rd: Birch Rd - Pine Rd	Hampton	Distribution Main	6	Cast-iron	Unlined	241	1954	0	0	0		0	0	0	0	2	0	0	1	0	3			
	[illegible]	Wentworth Avenue	Wentworth Ave: Colby St to Winnacunnet Rd	Hampton	Distribution Main	8	Cast-iron	Unlined	341	1964	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10010314	Wentworth Avenue	Wentworth Ave: Colby St to Locke Rd	Hampton	Distribution Main	8	Cast-iron	Unlined	606	1964	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10010401	Willow Lane	Willow Ln: off North Shore Rd	Hampton	Distribution Main	6	Cast-iron	Unlined	368	1958	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10010421	Wingate Street	Wingate St	Hampton	Distribution Main	8	Cast-iron	Unlined	595	1960	0	0	0		0	0	0	0	2	0	0	1	0	3			
	[illegible]	Atlantic Ave	Atlantic Ave: V 1000 7816 to V 1000 [illegible]	North Hampton	Distribution Main	8	Cast-iron	Unlined	30	2010	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10010513	Lafayette Road	Lafayette Rd: Cedar Rd to South Rd	North Hampton	Distribution Main	12	Cast-iron	Unlined	203	1950	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10010788	Lafayette Road	Lafayette Rd: Oaco to South Rd	North Hampton	Distribution Main	12	Cast-iron	Unlined	562	1950	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10616046	Atlantic Avenue	Atlantic Ave: Pine Rd to Spruce Meadow Dr	North Hampton	Transmission Main	8	Cast-iron	Unlined	1,471	1950	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10616047	Atlantic Avenue	Atlantic Ave: Mill Rd to Spruce Meadow Dr	North Hampton	Transmission Main	8	Cast-iron	Unlined	2,087	1950	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10617680	Birch Road	Birch Rd: Dunvegan Woods to end	Hampton	Distribution Main	6	Cast-iron	Unlined	361	1960	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10617681	Hutchinson Drive	Hutchinson Dr: off Oak Rd	Hampton	Distribution Main	6	Cast-iron	Unlined	943	1960	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10617691	Mason Street	Mason St: off Rice Ter	Hampton	Distribution Main	2	Cast-iron	Unlined	211	1950	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10618830	Huckleberry Ln	Huckleberry Ln: Bay Berry Ln - Keene Ln crossover	Hampton	Distribution Main	8	Cast-iron	Unlined	205	1961	0	0	0		0	0	0	0	2	0	0	1	0	3			
	[illegible]	Huckleberry Ln	Huckleberry Ln: Juniper Ln - Keene Ln crossover	Hampton	Distribution Main	8	Cast-iron	Unlined	559	1961	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10618834	Juniper Ln	Bayberry Ln	Hampton	Distribution Main	6	Cast-iron	Unlined	232	1961	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10692955	Lafayette Road	Lafayette Rd: stub north of High St	Hampton	Distribution Main	6	Cast-iron	Unlined	19	1950	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10697122	Naves Road	Naves St: Beatrice Ln to Yeaton Rd	Hampton	Distribution Main	6	Cast-iron	Unlined	248	1957	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10697123	Naves Road	Naves Rd: Yeaton Rd to end	Hampton	Distribution Main	6	Cast-iron	Unlined	95	1957	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10697124	Myrica Avenue	Myrica Ave: private rd to end	Rye	Distribution Main	6	Cast-iron	Unlined	209	1965	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10697148	Meadow Fox Road	Meadow Fox Rd: Sylvan Rd to end	North Hampton	Distribution Main	8	Cast-iron	Unlined	92	1960	0	0	0		0	0	0	0	2	0	0	1	0	3			
	[illegible]	Mace Road	Mace Rd: Janet Ln to Norton Rd	Hampton	Distribution Main	8	Cast-iron	Unlined	137	1950	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10697157	Mace Road	Mace Rd: Janet Ln to Ridgeview Ter	Hampton	Distribution Main	8	Cast-iron	Unlined	419	1950	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10697158	Mace Road	Mace Rd: Noel Rd to Ridgeview Ter	Hampton	Distribution Main	6	Cast-iron	Unlined	437	1950	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10697159	Mace Road	Mace Rd: Milbern Ave to Noel Rd	Hampton	Distribution Main	6	Cast-iron	Unlined	351	1950	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10697160	Mace Road	Mace Rd: Blake Ln to Milbern Ave	Hampton	Distribution Main	6	Cast-iron	Unlined	235	1950	0	0	0		0	0	0	0	2	0	0	1	0	3			
	[illegible]	Mace Road	Mace Rd: Blake Ln to Mill Rd	Hampton	Distribution Main	6	Cast-iron	Unlined	264	1960	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10697237	Lafayette Road	Lafayette Rd: Oaco to Shaws Plaza	North Hampton	Distribution Main	12	Cast-iron	Unlined	954	1950	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10697238	Lafayette Road	Lafayette Rd: Atlantic Ave to Shaws Plaza	North Hampton	Distribution Main	12	Cast-iron	Unlined	1,041	1960	0	0	0		0	0	0	0	2	0	0	1	0	3			
	[illegible]	Hurd Avenue	Hurd Ave: Trafford Rd to end	Hampton	Distribution Main	6	Cast-iron	Unlined	97	1958	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10698841	Atlantic Avenue	Atlantic Ave: Maple Rd to Sea Rd	North Hampton	Transmission Main	8	Cast-iron	Unlined	2,517	1950	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10699946	O Street	O St: Ashworth Ave to Ocean Blvd	Hampton	Distribution Main	8	Cast-iron	Unlined	516	1973	0	0	0		0	0	0	0	2	0	0	1	0	3			
	[illegible]	Highland Avenue	Highland Ave: Church St to end	Hampton	Distribution Main	8	Cast-iron	Unlined	111	1955	0	0	0		0	0	0	0	2	0	0	1	0	3			
	[illegible]	Lafayette Road	Lafayette Rd: Exeter Rd to High St	Hampton	Transmission Main	6	Cast-iron	Unlined	13	1950	0	0	0		0	0	0	0	2	0	0	1	0	3			
	[illegible]	Mill Road	Well 6: transmission main to Mill Rd	Hampton	Transmission Main	10	Cast-iron	Unlined	640	1957	0	0	0		0	0	0	0	2	0	0	1	0	3			
	[illegible]	Church Street	Glade Path Tank: altitude valve bypass	Hampton	Transmission Main	16	Cast-iron	Unlined	126	1953	0	0	0		0	0	0	0	2	0	0	1	0	3			
	[illegible]	Church Street	Glade Path Tank: altitude valve main	Hampton	Transmission Main	16	Cast-iron	Unlined	155	1953	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10700051	Mill Road	Mill Road Tank feed main	Hampton	Transmission Main	10	Cast-iron	Unlined	86	[illegible]	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10700052	Mill Road	Mill Road Booster upstream main	Hampton	Transmission Main	10	Cast-iron	Unlined	41	2008	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10700053	Mill Road	Mill Road Tank altitude valve bypass	Hampton	Transmission Main	10	Cast-iron	Unlined	11	2008	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10700054	Mill Road	Mill Road Booster downstream main	Hampton	Transmission Main	6	Cast-iron	Unlined	31	2008	0	0	0		0	0	0	0	2	0	0	1	0	3			
	10700141	Atlantic Avenue	Atlantic Ave: unused stub at GV1100	North Hampton	Distribution Main	8	Cast-iron	Unlined	5	1954	0	0	0		0	0	0	0	2	0	0	1	0	3			

Year	SAPID	Street	Description	Town	Class	Size (in)	Material	Lining	Length (ft)	Installed	Breaks	Hydraulic	Critical Customer	Bleeder	Paving Year	Main Breaks	Bleeder?	Pipe Age	Pipe Material	Hydraulic	Critical Customer	Lining	Schedule	Total	Estimated Cost Low	Estimated Cost High	Comments
	10007007	Maple Avenue	Maple Ave Foster Ln to Perkins Ave	Rye	Distribution Main	6	Ductile-iron	Cement-lined	264	1970	1	0	0		2019	1	0	0	0	0	0	0	2	3			
	10010431	Winnacunnet Road	Winnacunnet Rd: Moulton to Windmill [illegible]	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	720	1962	0	1	0		2019	0	0	0	0	1	0	0	2	3			
	10697151	Maple Avenue	Maple Ave: McLaughlin Dr to end	Rye	Distribution Main	8	Ductile-iron	Cement-lined	335	1988	1	0	0		2019	1	0	0	0	0	0	0	2	3			
	10006080	Lafayette Terrace	Lafayette Ter off Lafayette Ter	North Hampton	Distribution Main	6	Ductile-iron	Cement-lined	1,348	1983	0	0	0		2014	0	0	0	0	0	0	0	2	2			
	10006730	Cable Road	Cable Rd: Central Rd to Huntervale Ave west	Rye	Transmission Main	12	Ductile-iron	Cement-lined	214	1988	0	0	0		2016	0	0	0	0	0	0	0	2	3			
	10007136	Red Mill Lane	Red Mill Ln north dead end	Rye	Distribution Main	1	Copper	Unlined	412	1958	0	0	0		2017	0	0	0	0	0	0	0	2	3			
	10007402	Red Mill Lane	Red Mill Ln south dead end	Rye	Distribution Main	1	Copper	Unlined	729	1958	0	0	0		2017	0	0	0	0	0	0	0	2	2			
	[illegible]	High Street	High St: Dearborn Ave to Lafayette Rd	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	533	1982	0	0	0		2017	0	0	0	0	0	0	0	3	3			
	10010745	Glendale Road	Glendale Rd Kimberly Dr to Lafayette Rd	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	324	1978	0	0	0		2016	0	0	0	0	0	0	0	3	3			
	10617706	Landing Rd	Landing Rd: Malek Cu to V 1000 7238	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	177	1978	0	0	0		2016	0	0	0	0	0	0	0	3	3			
	10617708	Landing Rd	Landing Rd: V 1000 7261 to blowoff at end	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	333	2011	0	0	0		2016	0	0	0	0	0	0	0	3	3			
	10692943	Exeter Road	Exeter Rd Carolan Ave to Driftwood Rd	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	415	1971	0	0	0		2016	0	0	0	0	0	0	0	2	2			
	10692944	Exeter Road	Exeter Rd Carolan Ave to Maplewood Dr	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	26	1971	0	0	0		2016	0	0	0	0	0	0	0	2	2			
	10692951	Exeter Road	Exeter Rd: Josephine Dr to Towle Farm Rd	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	1,032	1982	0	0	0		2016	0	0	0	0	0	0	0	3	3			
	10692952	Exeter Road	Exeter Rd 12-in Josephine to Lafayette	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	1,282	1982	0	0	0		2016	0	0	0	0	0	0	0	3	3			
	10692953	Exeter Road	Exeter Rd : Josephine to 8-in to Lafayette	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	38	1982	0	0	0		2016	0	0	0	0	0	0	0	3	3			
	10692954	High Street	High St Mill Rd to Towle Ave	Hampton	Transmission Main	12	Ductile-iron	Cement-lined	1,557	1982	0	0	0		2017	0	0	0	0	0	0	0	3	3			
	10698825	Central Road	Central Rd Huntervale Ave to Jenness Booster	Rye	Distribution Main	12	Ductile-iron	Cement-lined	337	1988	0	0	0		2016	0	0	0	0	0	0	0	3	3			
	10700020	High Street	High St crossover to crossover	Hampton	Transmission Main	12	Ductile-iron	Cement-lined	255	1982	0	0	0		2017	0	0	0	0	0	0	0	3	3			
	10700022	High Street	High St: Mill Rd to Windmill Ln	Hampton	Transmission Main	12	Ductile-iron	Cement-lined	855	1982	0	0	0		2017	0	0	0	0	0	0	0	2	2			
	10618459	Ocean Blvd	[illegible]	Hampton	Distribution Main	8	Cast-iron	Unlined	[illegible]	[illegible]	1	0	0		2014	1	0	2	2	0	0	1	-4	2			
	10006269	Ocean Blvd	Ocean Blvd: Appledore Ave to Hampton ln	North Hampton	Transmission Main	8	Cast-iron	Unlined	184	1915	0	0	0		2013	0	0	2	2	0	0	1	-3	2			
	10618476	Ocean Blvd	Ocean Blvd: Ancient Hwy - Cusack Rd	Hampton	Distribution Main	8	Cast-iron	Unlined	1,013	1915	0	0	0		2013	0	0	2	2	0	0	1	-3	2			
	10618495	Ocean Blvd	Ocean Blvd: Ancient Hwy - N Shore Rd	Hampton	Distribution Main	8	Cast-iron	Unlined	1,143	1915	0	0	0		2013	0	0	2	2	0	0	1	-3	2			
	10618502	Ocean Blvd	Ocean Blvd: Ancient Hwy - Cranberry Ln	Hampton	Distribution Main	8	Cast-iron	Unlined	257	1915	0	0	0		2013	0	0	2	2	0	0	1	-3	2			
	10618532	Ocean Blvd	Ocean Blvd: Cranberry Ln - Huckleberry Ln	Hampton	Distribution Main	8	Cast-iron	Unlined	1,045	1915	0	0	0		2013	0	0	2	2	0	0	1	-3	2			
	10618533	Ocean Blvd	Ocean Blvd Huckleberry Ln - Nor East Ln	Hampton	Distribution Main	8	Cast-iron	Unlined	341	1915	0	0	0		2013	0	0	2	2	0	0	1	-3	2			
	10006012	Boulters Cove Avenue	Boulters Cove Ave off Appledore Ave	North Hampton	Distribution Main	8	Cast-iron	Cement-lined	1,046	1970	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10006062	Exeter Road	Exeter Rd: Post Rd to V 1000 8115	North Hampton	Transmission Main	8	Cast-iron	Cement-lined	144	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10006148	Hillside Road	Hillside Rd: Post Rd to Stevens Rd	North Hampton	Distribution Main	6	Cast-iron	Cement-lined	842	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10006185	Juniper Road	Juniper Rd Lafayette Rd to Woodridge Rd	North Hampton	Distribution Main	8	Cast-iron	Cement-lined	184	1964	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10006193	Kimberly Drive	Kimberly Dr Glendale Rd to Hampshire Dr	North Hampton	Distribution Main	8	Cast-iron	Cement-lined	1,301	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10006215	Maple Road	Maple Rd: Chapel Rd to Woodland Rd	North Hampton	Distribution Main	6	Cast-iron	Cement-lined	2,064	1966	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10006351	Post Road	Post Rd: Lafayette Rd to South Rd	North Hampton	Transmission Main	8	Cast-iron	Cement-lined	2,170	1955	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10006420	South Road	South Rd: Lafayette Rd to Post Rd	North Hampton	Distribution Main	8	Cast-iron	Cement-lined	1,186	1080	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10006442	Stevens Road	Stevens Rd: 8-in between Hillside and Post	North Hampton	Distribution Main	8	Cast-iron	Cement-lined	873	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10006464	Stevens Road	Stevens Rd: 6-in between Hillside and Post	North Hampton	Distribution Main	6	Cast-iron	Cement-lined	986	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10006486	Walnut Avenue	Walnut Ave (off Post Rd)	North Hampton	Distribution Main	8	Cast-iron	Cement-lined	1,236	1962	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10006498	Post Road	Post Rd South Rd to Sylvan Rd	North Hampton	Transmission Main	8	Cast-iron	Cement-lined	1,168	1955	0	0	0		0	0	0	0	2	0	0	0	0	3			
	10006509	Post Road	Post Rd: Meadow Fox Rd to Sylvan Rd	North Hampton	Transmission Main	8	Cast-iron	Cement-lined	391	1955	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10006532	Winnicut Road	Winnicut Rd Post Road to Deer Run Road	North Hampton	Distribution Main	12	Cast-iron	Cement-lined	1,005	1963	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10006543	Winnicut Road	Winnicut Rd: Buckskin Ln to DI segment	North Hampton	Distribution Main	8	Cast-iron	Cement-lined	2,080	1968	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10006561	Woodridge Road	Woodridge Rd Birch Rd - Juniper Rd	North Hampton	Distribution Main	8	Cast-iron	Cement-lined	337	1965	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10006636	Winnicut Road	Winnicut Rd: Deer Run Rd to Well 10 road	North Hampton	Distribution Main	12	Cast-iron	Cement-lined	1,146	1963	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10006667	Smith Ave	Acorn Rd	Hampton	Distribution Main	6	Cast-iron	Cement-lined	316	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10006690	Alumni Drive	Alumni Dr off Winnacunnet Rd	Hampton	Distribution Main	6	Cast-iron	Cement-lined	823	1958	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10006739	Carbee dr	Carbee Dr	Rye	Distribution Main	6	Cast-iron	Cement-lined	314	1961	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10006866	Foss Circle	Foss Cir off Old Beach Rd	Rye	Distribution Main	8	Cast-iron	Cement-lined	533	1965	0	0	0		0	0	0	0	2	0	0	0	0	2			
	[illegible]	Battcock Avenue	Battcock Ave Bittersweet Ln to Island Path	Hampton	Distribution Main	8	Cast-iron	Cement-lined	402	1956	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10006977	Battcock Avenue	Battcock Ave: Bittersweet Ln to end	Hampton	Distribution Main	8	Cast-iron	Cement-lined	267	1956	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007040	Oak Avenue	Oak Ave off Big Rock Rd	Rye	Distribution Main	8	Cast-iron	Cement-lined	607	1972	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007065	Bradford Ave	Bradford Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	338	1968	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007071	Causeway Rd	Old Locke Rd GV0823 - Central Rd	Rye	Distribution Main	6	Cast-iron	Cement-lined	713	1965	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007113	Pine Street	Pine St Big Rock Rd to Cable Rd	Rye	Distribution Main	8	Cast-iron	Cement-lined	1,937	1969	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007124	Powers Avenue	Power Ave off Ocean Blvd	Rye	Distribution Main	8	Cast-iron	Cement-lined	566	1968	0	0	0		0	0	0	0	2	0	0	0	0	2			
	[illegible]	Briar Rd	Briar Rd: [illegible] Ln - N Shore Rd	Hampton	Distribution Main	8	Cast-iron	Cement-lined	636	1969	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007152	Bruce Street	Bruce St: off Glade Path	Hampton	Distribution Main	6	Cast-iron	Cement-lined	227	1972	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007163	Burgundy Drive	Burgundy Dr: Carolan Ave to Evergreen Rd	Hampton	Distribution Main	6	Cast-iron	Cement-lined	453	1965	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007179	C St	C St	Hampton	Distribution Main	8	Cast-iron	Cement-lined	495	1872	0	0	0		0	0	0	0	2	0	0	0	0	2			

Year	SAPID	Street	Description	Town	Class	Size (in)	Material	Lining	Length (ft)	Installed	Breaks	Hydraulic	Critical Customer	Bleeder	Paving Year	Main Breaks	Bleeder?	Pipe Age	Pipe Material	Hydraulic	Critical Customer	Lining	Schedule	Total	Estimated Cost Low	Estimated Cost High	Comments
	10007197	South Road	South Rd: Fairway Dr to Willowbrook 8-in	Rye	Distribution Main	8	Cast-iron	Cement-lined	576	1978	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007215	Straws Point Road	Straws Point Rd: Wildwood Ln to private ln	Rye	Distribution Main	6	Cast-iron	Cement-lined	172	1966	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007220	Longwood Drive	Longwood Dr: Exeter Rd to Seavey St	Hampton	Distribution Main	8	Cast-iron	Cement-lined	366	1963	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007228	Straws Point Road	Straws Point Rd: private ln to private ln	Rye	Distribution Main	6	Cast-iron	Cement-lined	271	1972	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007248	South Road	South Rd: Willowbrook to merge w/ 6-in	Rye	Distribution Main	8	Cast-iron	Cement-lined	1,939	1978	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007282	Brown Court	Brown Ct: off Ocean Blvd	Rye	Distribution Main	8	Cast-iron	Cement-lined	334	1962	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007338	Colonial Circle	Colonial Cir	Hampton	Distribution Main	8	Cast-iron	Cement-lined	800	1966	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007345	South Road	South Rd: Central Rd to Fairway Dr 6-in	Rye	Distribution Main	6	Cast-iron	Cement-lined	398	1958	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007369	Cliff Avenue	Cliff Ave: Great Boars Head Ave to Sunsurf Ave	Hampton	Distribution Main	4	Cast-iron	Cement-lined	334	1960	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007411	South Road	South Rd: Central Rd to Fairway Dr 8-in	Rye	Distribution Main	8	Cast-iron	Cement-lined	394	1978	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007421	South Road	South Rd: Fairway Dr to Willowbrook 6-in	Rye	Distribution Main	6	Cast-iron	Cement-lined	581	1958	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007434	South Road	South Rd: Willowbrook to merge w/ 8-in	Rye	Distribution Main	6	Cast-iron	Cement-lined	1,932	1958	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007480	Dearborn Avenue	Dearborn Ave: Anne Ln to Moore Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	477	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007545	Dover Avenue	Dover Ave: Ocean Blvd to River Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	533	1969	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007578	Dover Avenue	Dover Ave: River Ave to end	Hampton	Distribution Main	6	Cast-iron	Cement-lined	230	1969	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007708	Dustin Avenue	Dustin Ave: Ashworth Ave to Whitten Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	[illegible]	1966	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007737	Dustin Avenue	Dustin Ave: Harris Ave to Whitten Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	242	1972	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007775	Dustin Avenue	Dustin Ave: Harbor Rd to Harris Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	[illegible]	1966	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10007917	Fellows Avenue	Fellows Ave: Ashworth Ave to Harris Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	501	1960	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10008024	Francine Street	Francine St: off Glade Path	Hampton	Distribution Main	6	Cast-iron	Cement-lined	[illegible]	1972	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10008117	Gill St	Gill St: Kings Hwy - Pearl St	Hampton	Distribution Main	6	Cast-iron	Cement-lined	231	1964	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10008127	Glade Path	Glade Path: Bruce St to Church St	Hampton	Distribution Main	8	Cast-iron	Cement-lined	1,466	1972	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10008137	Glen Rd	Glen Rd: north of Little Fox Rd	Hampton	Distribution Main	6	Cast-iron	Cement-lined	[illegible]	1965	0	0	0		0	0	0	0	2	0	0	0	0	2			
	[illegible]	Glade Path	Glade Path: Francine St to Patricia St	Hampton	Distribution Main	6	Cast-iron	Cement-lined	157	1972	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10008238	Glade Path	Glade Path: Patricia St to end	Hampton	Distribution Main	6	Cast-iron	Cement-lined	42	1972	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10008273	Harbor Road	Harbor Rd: Ashworth Ave to Dustin Ave	Hampton	Distribution Main	8	Cast-iron	Cement-lined	592	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10008311	Harbor Road	Harbor Rd: west of Dustin Ave	Hampton	Distribution Main	8	Cast-iron	Cement-lined	61	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10008333	Harris Avenue	Harris Ave: Dustin Ave to Fellows Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	733	1963	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10008382	Hemlock Street	Hemlock St: off Acadia Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	239	1973	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10008656	Jenness Road	Jenness Rd: Bradstreet Rd to Randall St	Hampton	Distribution Main	8	Cast-iron	Cement-lined	590	1963	0	0	0		0	0	2	0	2	0	0	0	0	2			
	10008689	Jones Avenue	Jones Ave: off Island Path	Hampton	Distribution Main	8	Cast-iron	Cement-lined	441	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10008756	Keene Ln	Keene Ln: Moccasin Ln - Huckleberry Ln crossover	Hampton	Distribution Main	8	Cast-iron	Cement-lined	330	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10008764	Kentville Terrace	Kentville Ter: Highland cross to Ross cross	Hampton	Distribution Main	6	Cast-iron	Cement-lined	423	1951	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10008773	Kershaw Avenue	Kershaw Ave: Lafayette Ave to Moore Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	[illegible]	1966	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10008834	Lancaster St	Lancaster St	Hampton	Distribution Main	6	Cast-iron	Cement-lined	124	1974	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10008951	Longwood Drive	Longwood Dr: Carolan Ave to Heather Ln	Hampton	Distribution Main	8	Cast-iron	Cement-lined	676	1963	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10008971	Church Street	Church St: Brown Ave to Glade Path	Hampton	Transmission Main	12	Cast-iron	Cement-lined	[illegible]	1965	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10009068	Hampton River Crossing	Hampton River Crossing north	Hampton	Distribution Main	4	HDPE	Unlined	[illegible]	1972	0	2	0		0	0	0	0	0	2	0	0	0	2			
	10009078	Mill Pond Ln	Mill Pond Ln: north of Little Fox Rd	Hampton	Distribution Main	6	Cast-iron	Cement-lined	[illegible]	1969	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10009088	Mill Road	Mill Rd: High St to Winnacunnet Rd	Hampton	Transmission Main	8	Cast-iron	Cement-lined	[illegible]	1964	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10009097	Moccasin Lane	Moccasin Ln	Hampton	Distribution Main	8	Cast-iron	Cement-lined	397	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10009116	Moore Avenue	Moore Ave: Dearborn Ave to Hackett Ln	Hampton	Distribution Main	6	Cast-iron	Cement-lined	297	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10009209	Newman Street	Newman St: off Rice Terr	Hampton	Distribution Main	6	Cast-iron	Cement-lined	215	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	[illegible]	Oakdale Avenue	Oakdale Ave: Exeter Rd to [illegible] Ln	Hampton	Distribution Main	8	Cast-iron	Cement-lined	[illegible]	1968	0	0	0		0	0	0	0	2	0	0	0	0	2			
	[illegible]	Ocean Drive	Ocean Dr: Plymouth St to north end	Hampton	Distribution Main	6	Cast-iron	Cement-lined	210	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10009331	Page Lane	Page Ln: west off Brown Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	190	1964	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10009360	Ocean Drive	Ocean Dr: Plymouth St to Woodstock St	Hampton	Distribution Main	6	Cast-iron	Cement-lined	244	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10009370	Patricia Street	Patricia St: off Glade Path	Hampton	Distribution Main	6	Cast-iron	Cement-lined	202	1972	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10009390	Pearl St	Pearl St: north of Gill St	Hampton	Distribution Main	6	Cast-iron	Cement-lined	218	1971	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10009423	Pine Knoll Road	Pine Knoll Rd	Hampton	Distribution Main	8	Cast-iron	Cement-lined	478	1975	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10009442	Ocean Drive	Ocean Dr: Woodstock St to south end	Hampton	Distribution Main	6	Cast-iron	Cement-lined	191	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10009467	Plymouth Street	Plymouth St: Campton St to Ocean Dr	Hampton	Distribution Main	6	Cast-iron	Cement-lined	311	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10009584	Rice Terrace	Rice Terr: Lafayette Rd to Newman St	Hampton	Distribution Main	6	Cast-iron	Cement-lined	277	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10009628	River Avenue	River Ave: Boston Ave to Ocean Blvd	Hampton	Distribution Main	6	Cast-iron	Cement-lined	182	1961	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10009646	River Avenue	River Ave: Boston Ave to Concord Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	244	1961	0	0	0		0	0	0	0	2	0	0	0	0	2			
	[illegible]	River Avenue	River Ave: Concord Ave to Dover Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	235	1961	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10009713	Sanborn Road	Sanborn Rd: Trafford Rd to Winnacunnet Rd	Hampton	Distribution Main	8	Cast-iron	Cement-lined	1,475	1960	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10009722	Sanborn Road	Sanborn Rd: Carlson Rd to Trafford Rd	Hampton	Distribution Main	8	Cast-iron	Cement-lined	267	1960	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10009734	Scott Road	Scott Rd: Lafayette Rd to hydrant 8-in	Hampton	Distribution Main	8	Cast-iron	Cement-lined	422	1960	0	0	0		0	0	0	0	2	0	0	0	0	2			

Year	SAPID	Street	Description	Town	Class	Size (in)	Material	Lining	Length (ft)	Installed	Breaks	Hydraulic	Critical Customer	Blender	Paving Year	Main Breaks	Blender?	Pipe Age	Pipe Material	Hydraulic	Critical Customer	Lining	Schedule	Total	Estimated Cost Low	Estimated Cost High	Comments
	10009760	Scott Road	Scott Rd hydrant to end G-in	Hampton	Distribution Main	6	Cast-iron	Cement-lined	215	1960	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10009924	Sweetbriar Lane	Sweetbriar Ln	Hampton	Distribution Main	8	Cast-iron	Cement-lined	761	1973	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10009935	Taylor Street	Taylor St: High St to Ward Ln	Hampton	Distribution Main	8	Cast-iron	Cement-lined	657	1965	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10009957	Thayer Road	Thayer Rd	Hampton	Distribution Main	6	Cast-iron	Cement-lined	884	1961	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10009963	Taylor Street	Taylor St: Little River Rd to Ward Ln	Hampton	Distribution Main	8	Cast-iron	Cement-lined	375	1965	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10009989	Thornton Street	Thornton St: Campton St to Portsmouth Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	452	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10010097	Towle Avenue	Towle Ave: High St to Winnacunnet Rd	Hampton	Distribution Main	8	Cast-iron	Cement-lined	1,155	1968	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10010128	Tuck Road	Tuck Rd: Anne Ln to Cogger St	Hampton	Distribution Main	6	Cast-iron	Cement-lined	425	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10010258	Ward Lane	Ward Ln (off Taylor St)	Hampton	Distribution Main	8	Cast-iron	Cement-lined	260	1965	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10010442	Wall Street	Wall St: west of Brown Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	276	1964	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10010463	Woodstock Rd	Woodstock St	Hampton	Distribution Main	6	Cast-iron	Cement-lined	383	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10010543	Exeter Road	Exeter Rd: Dearborn Park to V 1000 8115	North Hampton	Transmission Main	12	Cast-iron	Cement-lined	1,337	1957	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10010767	Grandview Terrace	Grandview Terr off Post Rd CI segment	North Hampton	Distribution Main	6	Cast-iron	Cement-lined	422	1957	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10010778	Juniper Road	Juniper Rd: 8-in west of Woodridge Rd	North Hampton	Distribution Main	8	Cast-iron	Cement-lined	608	1964	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10010797	Maple Road	Maple Rd: Atlantic Ave (N) 8-in DI to Chapel Rd	North Hampton	Transmission Main	6	Cast-iron	Cement-lined	587	1965	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10010861	Post Road	Post Rd: South Rd to South Rd	North Hampton	Transmission Main	8	Cast-iron	Cement-lined	110	1955	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10010910	South Road	South Rd: Garrett Rd to Post Rd	North Hampton	Distribution Main	12	Cast-iron	Cement-lined	2,032	1988	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10011023	South Road	South Rd: Garrett Rd to Garrett Rd	North Hampton	Distribution Main	12	Cast-iron	Cement-lined	807	1988	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10571704	Old Locke Rd	Causeway Rd: Old Locke Rd to V 1000 9585	Rye	Distribution Main	6	Cast-iron	Cement-lined	35	1965	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10617689	Well 7 Transmission Main	Well 7: transmission main to Little River Rd	Hampton	Transmission Main	12	Cast-iron	Cement-lined	242	1960	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10618349	Boars Head Terrace	Boars Head Ter: base of loop	Hampton	Distribution Main	10	Cast-iron	Cement-lined	67	1950	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10618351	Little Fox Rd	Little Fox Rd	Hampton	Distribution Main	6	Cast-iron	Cement-lined	216	1969	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10618354	Glen Rd	Glen Rd: south of Little Fox Rd	Hampton	Distribution Main	6	Cast-iron	Cement-lined	246	1960	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10618464	30 Kings Hwy	30 Kings Hwy	Hampton	Distribution Main	6	Cast-iron	Cement-lined	420	1966	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10618465	Gill St	Gill St: west of Pearl St	Hampton	Distribution Main	6	Cast-iron	Cement-lined	182	1973	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10618466	Pearl St	Pearl St: south of Gill St	Hampton	Distribution Main	6	Cast-iron	Cement-lined	69	1971	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10618503	Briar Rd	Briar Rd: Lancaster St - Moccasin Ln	Hampton	Distribution Main	6	Cast-iron	Cement-lined	173	1969	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10618506	Keene Ln	Keene Ln: Wild Rose Ln - Huckleberry Ln crossover	Hampton	Distribution Main	8	Cast-iron	Cement-lined	249	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10618831	Keene Ln	Huckleberry Ln - Keene Ln crossover	Hampton	Distribution Main	8	Cast-iron	Cement-lined	253	1977	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10618899	Woodridge Rd	Woodridge Rd: Juniper Rd - Juniper Rd	North Hampton	Distribution Main	8	Cast-iron	Cement-lined	862	1965	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10625916	crossover	crossover: Highland Ave to Nudd Ave	Hampton	Distribution Main	[illegible]	Cast-iron	Cement-lined	216	1954	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10625919	Glade Path	Glade Path: Bruce St to GV0126	Hampton	Distribution Main	6	Cast-iron	Cement-lined	168	1972	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10625920	Brown Avenue	Brown Ave: Island Path to Page Ln	Hampton	Distribution Main	8	Cast-iron	Cement-lined	201	1958	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10625921	Brown Avenue	Brown Ave: Page Ln to Wall St	Hampton	Distribution Main	8	Cast-iron	Cement-lined	150	1956	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10625927	Burgundy Drive	Burgundy Dr: Evergreen Rd to Heather Ln	Hampton	Distribution Main	8	Cast-iron	Cement-lined	772	1981	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10690021	Langdale Drive	Langdale Dr: Exeter Rd to Turnpike	Hampton	Distribution Main	8	Cast-iron	Cement-lined	1,730	1971	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10690024	Langdale Drive	Langdale Dr - Sweetbriar to Turnpike crossing main	Hampton	Distribution Main	8	Cast-iron	Cement-lined	680	1975	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10690025	Langdale Drive	Langdale Dr - GV1124 to Pine Knoll Dr	Hampton	Distribution Main	8	Cast-iron	Cement-lined	228	1973	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10690026	Langdale Drive	Langdale Dr - Pine Knoll to Sweetbriar Ln	Hampton	Distribution Main	8	Cast-iron	Cement-lined	410	1973	0	0	0		0	0	0	0	2	0	0	0	0	2			
	[illegible]	Sweetbriar Lane	Sweetbriar Ln: Langdale to Oakdale	Hampton	Distribution Main	8	Cast-iron	Cement-lined	136	1973	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10692897	Sweetbriar Lane	Sweetbriar Ln: Oakdale to Pine Knoll	Hampton	Distribution Main	8	Cast-iron	Cement-lined	706	1972	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10692901	Longwood Drive	Longwood Dr: Carolan Ave to Seavey St	Hampton	Distribution Main	8	Cast-iron	Cement-lined	337	1963	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10692927	Carolan Avenue	Carolan Ave: Longwood Dr to Wingate St	Hampton	Distribution Main	8	Cast-iron	Cement-lined	980	1962	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10692928	Carolan Avenue	Carolan Ave: Seavey St to Wingate St	Hampton	Distribution Main	6	Cast-iron	Cement-lined	891	1960	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10692930	Seavey Street	Seavey St: Colonial Cir to Colonial Cir	Hampton	Distribution Main	8	Cast-iron	Cement-lined	593	1956	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10692931	Carolan Avenue	Carolon Ave: Josephine Dr to Seavey St	Hampton	Distribution Main	8	Cast-iron	Cement-lined	150	1960	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10692932	Carolan Avenue	Carolan Ave: Josephine Dr to Thayer Rd	Hampton	Distribution Main	8	Cast-iron	Cement-lined	188	1959	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10692963	Lafayette Road	Lafayette Rd: stub south of H068	Hampton	Distribution Main	12	Cast-iron	Cement-lined	696	1965	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10692966	Park Avenue	Park Ave: Wheaton Lane to Winnacunnet	Hampton	Distribution Main	8	Cast-iron	Cement-lined	511	1958	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10693690	Winnicut Road	Winnicut Rd: CI segment to river crossin gline	North Hampton	Distribution Main	8	Cast-iron	Cement-lined	632	1971	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10697014	Rice Terrace	Rice Terr: Newman St to end	Hampton	Distribution Main	6	Cast-iron	Cement-lined	104	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10697027	Post Road	Post Rd: New Rd to V 1000 8170	North Hampton	Transmission Main	12	Cast-iron	Cement-lined	1,243	1958	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10697028	Post Road	Post Rd: New Rd to North Rd	North Hampton	Transmission Main	12	Cast-iron	Cement-lined	2,529	1964	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10697029	Post Road	Post Rd: I95 bridge to North Rd	North Hampton	Transmission Main	12	Cast-iron	Cement-lined	1,272	1977	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10697030	Post Road	Post Rd: I95 bridge - old stub east side	North Hampton	Transmission Main	12	Cast-iron	Cement-lined	41	1977	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10697032	Post Road	Post Rd: I95 bridge - old stub west side	North Hampton	Transmission Main	12	Cast-iron	Cement-lined	138	1977	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10697033	Post Road	Post Rd: I95 bridge to Winnicut Rd	North Hampton	Transmission Main	12	Cast-iron	Cement-lined	448	1977	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10697035	Portsmouth Avenue	Portsmouth Ave: Campton St to Thornton Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	192	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			
	10697036	Portsmouth Avenue	Portsmouth Ave: Thornton Ave to end	Hampton	Distribution Main	8	Cast-iron	Cement-lined	22	1967	0	0	0		0	0	0	0	2	0	0	0	0	2			

CM-2 List of Water Mains

Year	SAPID	Street	Description	Town	Class	Size (in)	Material	Lining	Length (ft)	Installed	Breaks	Hydraulic	Critical Customer	Bleeder	Paving Year	Main Breaks	Bleeder?	Pipe Age	Pipe Material	Hydraulic	Critical Customer	Lining	Schedule	Total	Estimated Cost Low	Estimated Cost High	Comments
	10697037	Plymouth Street	Plymouth St: Campton St to end	Hampton	Distribution Main	6	Cast-iron	Cement-lined	527	1967	0	0	0			0	0	0	2	0	0	0	0	2			
	10697096	Ocean Blvd	Ocean Blvd: Epping Ave north to end	Hampton	Distribution Main	8	Cast-iron	Cement-lined	46	1969	0	0	0			0	0	0	2	0	0	0	0	2			
	10697097	Ocean Blvd	Ocean Blvd: Epping Ave south to crossover	Hampton	Distribution Main	8	Cast-iron	Cement-lined	818	1969	0	0	0			0	0	0	2	0	0	0	0	2			
	10697098	Ocean Blvd	Ocean Blvd: crossover south to end	Hampton	Distribution Main	8	Cast-iron	Cement-lined	9	1969	0	0	0			0	0	0	2	0	0	0	0	2			
	10697099	Ocean Blvd	Ocean Blvd: crossover to river crossing lines	Hampton	Distribution Main	8	Cast-iron	Cement-lined	116	1973	0	0	0			0	0	0	2	0	0	0	0	2			
	10697126	Mill Road	Mill Rd: High St intersection south segment	Hampton	Transmission Main	8	Cast-iron	Cement-lined	7	1958	0	0	0			0	0	0	2	0	0	0	0	2			
	10697130	Mill Road	Mill Rd: Emery Ln to High St	Hampton	Transmission Main	8	Cast-iron	Cement-lined	698	1958	0	0	0			0	0	0	2	0	0	0	0	2			
	10697131	Mill Road	Mill Rd: Emery Ln to booster discharge	Hampton	Transmission Main	8	Cast-iron	Cement-lined	642	1958	0	0	0			0	0	0	2	0	0	0	0	2			
	10697132	Mill Road	Mill Rd	Hampton	Transmission Main	8	Cast-iron	Cement-lined	17	1958	0	0	0			0	0	0	2	0	0	0	0	2			
	10697133	Mill Road	Mill Rd: check valve to tank feed	Hampton	Transmission Main	8	Cast-iron	Cement-lined	11	1958	0	0	0			0	0	0	2	0	0	0	0	2			
	10697134	Mill Road	Mill Rd: Homestead Cir to tank feed	Hampton	Transmission Main	8	Cast-iron	Cement-lined	657	1958	0	0	0			0	0	0	2	0	0	0	0	2			
	10697147	Hampton River Crossing	Hampton River Crossing south	Hampton	Distribution Main	4	HDPE	Unlined	1 532	1973	0	2	0			0	0	0	0	2	0	0	0	2			
	10697169	Mill Road	Mill Rd: crossover north of Watsons Ln	Hampton	Distribution Main	8	Cast-iron	Cement-lined	12	1958	0	0	0			0	0	0	2	0	0	0	0	2			
	10697184	Little River Road	Little River Rd: Barbour Rd to Bear Path	Hampton	Distribution Main	12	Cast-iron	Cement-lined	740	1960	0	0	0			0	0	0	2	0	0	0	0	2			
	10697192	Leavitt Road	Leavitt Rd: Winnacunnet Rd to AC segment	Hampton	Distribution Main	8	Cast-iron	Cement-lined	267	1972	0	0	0			0	0	0	2	0	0	0	0	2			
	10697219	Kentville Terrace	Kentville Ter: Chase St to Highland Ave cross	Hampton	Distribution Main	6	Cast-iron	Cement-lined	95	1961	0	0	0			0	0	0	2	0	0	0	0	2			
	10697220	Kentville Terrace	Kentville Ter: Chase St to end	Hampton	Distribution Main	6	Cast-iron	Cement-lined	113	1961	0	0	0			0	0	0	2	0	0	0	0	2			
	10697221	Juniper Road	Juniper Rd: 6-in north of Woodridge Rd	North Hampton	Distribution Main	6	Cast-iron	Cement-lined	576	1964	0	0	0			0	0	0	2	0	0	0	0	2			
	10697230	Lafayette Road	Lafayette Rd: Tower Dr to Watsons Ln	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	478	1966	2	0	0			2	0	0	0	0	0	0	0	2			
	10697235	Lafayette Road	Lafayette Rd: Lamson Ln to Reddingtn Lndg crossovr	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	625	1965	0	2	0			0	0	0	0	2	0	0	0	2			
	10697238	Lafayette Road	Lafayette Rd: Post Rd to Reddington Lndg crossover	Hamptonq	Distribution Main	8	Ductile-iron	Cement-lined	663	1965	0	2	0			0	0	0	0	2	0	0	0	2			
	10697259	Hobbs Road	Hobbs Rd: High St to AC segment	Hampton	Distribution Main	2	Cast-iron	Cement-lined	1 055	1965	0	0	0			0	0	0	2	0	0	0	0	2			
	10699942	Campton Street	Campton St: Portsmouth Ave to river crossing	Hampton	Distribution Main	8	Cast-iron	Cement-lined	292	1967	0	0	0			0	0	0	2	0	0	0	0	2			
	10699943	Bailey Avenue	Bailey Avenue: crossover to river crossing	Hampton	Distribution Main	8	Cast-iron	Cement-lined	48	1973	0	0	0			0	0	0	2	0	0	0	0	2			
	10699944	Dover Avenue	Dover Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	66	1960	0	0	0			0	0	0	2	0	0	0	0	2			
	10699945	Dustin Avenue	Dustin Ave: Ashworth Ave to Ashworth Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	26	1969	0	0	0			0	0	0	2	0	0	0	0	2			
	10699958	Tide Mill Road	Tide Mill Rd: upstream of PRV	Hampton	Distribution Main	12	Cast-iron	Cement-lined	146	1955	0	0	0			0	0	0	2	0	0	0	0	2			
	10699959	Tide Mill Road	Rt 101 Cross Country	Hampton	Distribution Main	12	Cast-iron	Cement-lined	68	1955	0	0	0			0	0	0	2	0	0	0	0	2			
	10699961	Rt 101	Rt 101: Tide Mill Creek crossing	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	172	1961	0	2	0			0	0	0	0	2	0	0	0	2			
	10699963	Acadia Avenue	Acadia Ave: Hemlock St to Walnut Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	209	1973	0	0	0			0	0	0	2	0	0	0	0	2			
	10699966	Landing Road	Landing Rd: off Park Ave	Hampton	Distribution Main	8	Cast-iron	Cement-lined	787	1958	0	0	0			0	0	0	2	0	0	0	0	2			
	10700030	Park Avenue	Winnacunnet High School: off Park Ave	Hampton	Distribution Main	6	Cast-iron	Cement-lined	618	1958	0	0	0			0	0	0	2	0	0	0	0	2			
	10700032	Heather Lane	Heather Ln: Burgundy Dr to Evergreen Rd	Hampton	Distribution Main	8	Cast-iron	Cement-lined	345	1981	0	0	0			0	0	0	2	0	0	0	0	2			
	10700033	Well 9 Transmission Main	Well 9: transmission main to Mill Rd	Hampton	Transmission Main	12	Cast-iron	Cement-lined	547	1953	0	0	0			0	0	0	2	0	0	0	0	2			
	10700034	Mill Road	Well 9 transmission main to Mill Rd	Hampton	Distribution Main	8	Cast-iron	Cement-lined	44	1958	0	0	0			0	0	0	2	0	0	0	0	2			
	10700035	Seward Street	Seward St: Well 11 transmission main	Hampton	Transmission Main	12	Cast-iron	Cement-lined	1 200	1966	0	0	0			0	0	0	2	0	0	0	0	2			
	10700040	Exeter Road	Exeter Rd: Liberty Ln to end	Hampton	Distribution Main	12	Cast-iron	Cement-lined	79	1962	0	0	0			0	0	0	2	0	0	0	0	2			
	10700055	Mill Road	Mill Road: crossover at booster	Hampton	Transmission Main	6	Cast-iron	Cement-lined	19	1958	0	0	0			0	0	0	2	0	0	0	0	2			
	10700082	Myrica Avenue	private road off Myrica Ave	Rye	Distribution Main	6	Cast-iron	Cement-lined	257	1965	0	0	0			0	0	0	2	0	0	0	0	2			
	10700091	F Street	F St: off Ocean Blvd	Rye	Distribution Main	6	Cast-iron	Cement-lined	343	1973	0	0	0			0	0	0	2	0	0	0	0	2			
	10700121	Winnicut Road	Well 12 supply main	North Hampton	Supply Main	8	Cast-iron	Cement-lined	80	1978	0	0	0			0	0	0	2	0	0	0	0	2			
	10700134	South Road	South Rd: Garrett Rd west to end	North Hampton	Distribution Main	12	Cast-iron	Cement-lined	11	1988	0	0	0			0	0	0	2	0	0	0	0	2			
	10700136	Fairway Drive	Fairway Dr: cross between South Rd mains	Rye	Distribution Main	6	Cast-iron	Cement-lined	17	1973	0	0	0			0	0	0	2	0	0	0	0	2			
	10700143	Straws Point Road	private rd off Straw Point Rd at V 1001 0412	Rye	Distribution Main	6	Cast-iron	Cement-lined	279	1973	0	0	0			0	0	0	2	0	0	0	0	2			
	10700144	Straws Point Road	private rd off Straw Point Rd at V 1001 0436	Rye	Distribution Main	6	Cast-iron	Cement-lined	249	1973	0	0	0			0	0	0	2	0	0	0	0	2			
	10712615	Campton Street		Hampton	Distribution Main	8	Cast-iron	Cement-lined	8	1967	0	0	0			0	0	0	2	0	0	0	0	2			
	10007080	Bradstreet Road	Bradstreet Rd: Jenness Rd to Locke Rd	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	517	1970	0	0	0		2019	0	0	0	0	0	0	0	2	2			
	10007477	Maple Avenue	Maple Ave: Foster Ln to McLaughlin Dr	Rye	Distribution Main	8	Ductile-iron	Cement-lined	312	1970	0	0	0		2018	0	0	0	0	0	0	0	2	2			
	10008282	Elliot Street	Elliot St: Hedman Ave to V 1001 0091	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	343	1965	0	0	0		2018	0	0	0	0	0	0	0	2	2			
	10008636	Janvrin Street	Janvrin St: Bradstreet Rd to Randall St	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	481	1976	0	0	0		2019	0	0	0	0	0	0	0	2	2			
	10635926	Brown Avenue	Brown Ave: Ashworth Ave to CI segment	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	843	2004	0	0	2			0	0	0	0	0	2	0	0	2			
	10696713	Richard Street	Hampton WWTP feeder main	Hampton	Distribution Main	4	Unknown	Unknown	1 104	1984	0	0	2.00			0	0	0	0	0	2	0	0	2			
	10697228	Lafayette Road	Lafayette Rd: Belmont Cir to Seacoast Plaza	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	1 188	1985	0	0	2			0	0	0	0	0	2	0	0	2			
	10700028	Lafayette Road	Partridge House: Lafayette Rd to Tuck Rd	Hampton	Distribution Main	(10)	Unknown	Unknown	358	1999	0	0	2			0	0	0	0	0	2	0	0	2			
	10700088	Surf Lane	Surf Ln: West Atlantic to Vinmar Ct	Rye	Distribution Main	6	Ductile-iron	Cement-lined	188	1992	0	0	0		2019	0	0	0	0	0	0	0	2	2			
	10700107	shop road	shop road: 12-in DI transmission main	North Hampton	Transmission Main	12	Ductile-iron	Cement-lined	1 382	2003	0	0	2			0	0	0	0	0	2	0	0	2			
	10700108	shop road	Wells 20-21 supply main	North Hampton	Supply Main	4	Ductile-iron	Cement-lined	150	2003	0	0	2			0	0	0	0	0	2	0	0	2			
	10700109	shop road	Well 20 supply main	North Hampton	Supply Main	4	Ductile-iron	Cement-lined	288	2003	0	0	2			0	0	0	0	0	2	0	0	2			
	10700115	Highland Avenue	Highland Ave: DI crossover to Ocean Blvd	Hampton	Transmission Main	16	Ductile-iron	Cement-lined	19	2007	0	0	2			0	0	0	0	0	2	0	0	2			

Year	BAPID	Street	Description	Town	Class	Size (in)	Material	Lining	Length (ft)	Installed	Breaks	Hydraulic	Critical Customer	Bleeder	Paving Year	Main Breaks	Bleeder?	Pipe Age	Pipe Material	Hydraulic	Critical Customer	Lining	Schedule	Total	Estimated Cost Low	Estimated Cost High	Comments
	10700118	Winnicut Road	Well 10 supply main	North Hampton	Supply Main	8	Ductile-iron	Cement-lined	934	2008	0	0	2		0	0	0	0	0	0	2	0	0	2			
	10700119	Winnicut Road	Winnicut Rd combined supply main	North Hampton	Supply Main	12	Ductile-iron	Cement-lined	875	1985	0	0	2		0	0	0	0	0	0	2	0	0	2			
	10700122	Winnicut Road	Well 13B supply main	North Hampton	Supply Main	8	Ductile-iron	Cement-lined	634	1982	0	0	2		0	0	0	0	0	0	2	0	0	2			
	10700124	Winnicut Road	Winnicut WTP transmission main	North Hampton	Transmission Main	16	Ductile-iron	Cement-lined	569	1978	0	0	2		0	0	0	0	0	0	2	0	0	2			
	10700126	Winnicut Road	Wells 17-19 supply main	North Hampton	Supply Main	12	Ductile-iron	Cement-lined	3	1998	0	0	2		0	0	0	0	0	0	2	0	0	2			
	10700128	Winterberry Lane	Winterberry Ln Well 18 supply main	North Hampton	Supply Main	6	Ductile-iron	Cement-lined	416	1998	0	0	2		0	0	0	0	0	0	2	0	0	2			
	10700129	Winnicut Road	Winnicut Rd Well 16 supply main	North Hampton	Supply Main	8	Ductile-iron	Cement-lined	473	1996	0	0	2		0	0	0	0	0	0	2	0	0	2			
	10700130	Winnicutt Road	Winnicutt Rd: Well 16 supply main	Stratham	Supply Main	8	Ductile-iron	Cement-lined	1,291	1996	0	0	2		0	0	0	0	0	0	2	0	0	2			
	10700131	Winnicutt Road	Winnicutt Rd: Well 16 8-in supply main	Stratham	Supply Main	8	Ductile-iron	Cement-lined	635	1996	0	0	2		0	0	0	0	0	0	2	0	0	2			
	10700137	Lafayette Road	Lafayette Rd: cross between Exeter Rd mains	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	5	1982	0	0	2		0	0	0	0	0	0	2	0	0	2			
	10700162	Maple Road	Maple Rd: Atlantic Ave (N) to 6-in CI	North Hampton	Transmission Main	8	Ductile-iron	Cement-lined	24	1963	0	0	2		0	0	0	0	0	0	2	0	0	2			
	10705164	Winnacunnet Road	Winnacunnet Rd: crossover to PRV	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	16	2014	0	0	2		0	0	0	0	0	0	2	0	0	2			
	10705165	Kings Hwy	Kings Hwy - pipe thru PRV	Hampton	Transmission Main	6	Ductile-iron	Cement-lined	21	1960	0	0	2.00		0	0	0	0	0	0	2	0	0	2			
	10741786	Winnacunnet Road	Winnacunnet Rd: bridge to Kings Hwy	Hampton	Transmission Main	12	HDPE	Unlined	400	2014	0	0	2		0	0	0	0	0	0	2	0	0	2			
	10741795	Kings Hwy	Kings Hwy: 15th St to Witch Island Way	Hampton	Transmission Main	8	HDPE	Unlined	25	2015	0	0	2		0	0	0	0	0	0	2	0	0	2			
	10741796	Kings Hwy	Kings Hwy: Butternut Hollow to Witch Island Way	Hampton	Transmission Main	8	HDPE	Unlined	91	2015	0	0	2		0	0	0	0	0	0	2	0	0	2			
	10741797	Kings Hwy	Kings Hwy: Butternut Hollow to 14th St	Hampton	Transmission Main	8	HDPE	Unlined	119	2015	0	0	2		0	0	0	0	0	0	2	0	0	2			
	10741798	Kings Hwy	Kings Hwy: 13th St to 14th St	Hampton	Transmission Main	8	HDPE	Unlined	244	2015	0	0	2		0	0	0	0	0	0	2	0	0	2			
	10741799	Kings Hwy	Kings Hwy: 12th St to 13th St	Hampton	Transmission Main	8	HDPE	Unlined	236	2015	0	0	2		0	0	0	0	0	0	2	0	0	2			
	10741800	Kings Hwy	Kings Hwy: 11th St to 12th St	Hampton	Transmission Main	8	HDPE	Unlined	236	2015	0	0	2		0	0	0	0	0	0	2	0	0	2			
	10006812	Ocean Blvd	Ocean Blvd: Atlantic Ave to Willow PRV	North Hampton	Transmission Main	8	Cast-iron	Cement-lined	495	1908	0	2	0		2013	0	0	0	2	2	0	0	-3	1			
	10009297	Ocean Blvd	Ocean Blvd: 10th St - 19th St	Hampton	Distribution Main	2	Cast-iron	Unlined	703	1920	0	0	0		2014	0	0	2	2	0	0	1	-4	1			
	10618452	Ocean Blvd	Ocean Blvd: 15th St - 16th St	Hampton	Distribution Main	2	Cast-iron	Unlined	244	1920	0	0	0		2014	0	0	2	2	0	0	1	-4	1			
	10618453	Ocean Blvd	Ocean Blvd: 14th St - 15 St	Hampton	Distribution Main	2	Cast-iron	Unlined	239	1920	0	0	0		2014	0	0	2	2	0	0	1	-4	1			
	10618454	Ocean Blvd	Ocean Blvd: 13th St - 14th St	Hampton	Distribution Main	2	Cast-iron	Unlined	243	1920	0	0	0		2014	0	0	2	2	0	0	1	-4	1			
	10618455	Ocean Blvd	Ocean Blvd: 12th St - 13th St	Hampton	Distribution Main	2	Cast-iron	Unlined	222	1920	0	0	0		2014	0	0	2	2	0	0	1	-4	1			
	10618456	Ocean Blvd	Ocean Blvd 11th St - 12th St	Hampton	Distribution Main	2	Cast-iron	Unlined	257	1920	0	0	0		2014	0	0	2	2	0	0	1	-4	1			
	10618457	Ocean Blvd	Ocean Blvd 10th St - 11th St	Hampton	Distribution Main	2	Cast-iron	Unlined	237	1920	0	0	0		2014	0	0	2	2	0	0	1	-4	1			
	10618458	Ocean Blvd	Ocean Blvd 9th St - 10th St	Hampton	Distribution Main	2	Cast-iron	Unlined	247	1920	0	0	0		2014	0	0	2	2	0	0	1	-4	1			
	10618460	Ocean Blvd	Ocean Blvd 7th St - 8th St	Hampton	Distribution Main	2	Cast-iron	Unlined	242	1920	0	0	0		2014	0	0	2	2	0	0	1	-4	1			
	10618461	Ocean Blvd	Ocean Blvd 6th St - 7th St	Hampton	Distribution Main	2	Cast-iron	Unlined	236	1920	0	0	0		2014	0	0	2	2	0	0	1	-4	1			
	10618462	Ocean Blvd	Ocean Blvd 1st St - 6th St	Hampton	Distribution Main	4	Cast-iron	Unlined	1,191	1920	0	0	0		2014	0	0	2	2	0	0	1	-4	1			
	10700090	Ocean Blvd	Ocean Blvd Locke Rd to end	Rye	Distribution Main	8	Asbestos-cement	Unlined	305	1961	1	0	0		2013	1	0	0	3	0	0	0	-3	1			
	10698829	Cable Road	Cable Rd Big Rock Rd to Pine St	Rye	Transmission Main	8	Cast-iron	Unlined	558	1937	0	0	0		2013	0	0	1	2	0	0	1	-3	1			
	10698830	Cable Road	Cable Rd: Big Rock Rd to Surf Ln	Rye	Transmission Main	8	Cast-iron	Unlined	462	1937	0	0	0		2013	0	0	1	2	0	0	1	-3	1			
	10000042	Merrill Industrial Drive	Merrill Industrial Dr	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	1,461	1965	1	0	0		0	1	0	0	0	0	0	0	0	1			
	10009635	Smith Avenue	Smith Ave off Ocean Blvd	Hampton	Distribution Main	1	Copper	Unlined	191	1955	1	0	0		0	1	0	0	0	0	0	0	0	1			
	10625923	Brown Avenue	Brown Ave Bittersweet Ln to Diane Ln	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	158	1971	1	0	0		0	1	0	0	0	0	0	0	0	1			
	10690032	Winnacunnet Road	Winnacunnet Rd Leavitt Rd to Locke Rd	Hampton	Transmission Main	12	Ductile-iron	Cement-lined	823	1963	0	1	0		0	0	0	0	0	1	0	0	0	1			
	10697072	Ocean Blvd	Ocean Blvd: Highland Ave to Nudd Ave	Hampton	Distribution Main	16	Ductile-iron	Cement-lined	198	2007	0	1	0		0	0	0	0	0	1	0	0	0	1			
	10700098	Winnacunnet Road	Winnacunnet Rd DI: Alumni Dr to Jeffrey Dr	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	331	1983	0	1	0		0	0	0	0	0	1	0	0	0	1			
	10700099	Winnacunnet Road	Winnacunnet Rd: Jeffrey Dr to Leavitt Rd	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	417	1983	0	1	0		0	0	0	0	0	1	0	0	0	1			
	10700111	shop road	Well 6A supply main	North Hampton	Supply Main	6	Ductile-iron	Cement-lined	105	1937	0	0	0		0	0	0	1	0	0	0	0	0	1			
	10709172	Vinnier Court	Vinnier Ct off Surf Ln	Rye	Distribution Main	1	PVC	Unlined	178	1992	1	0			0	1	0	0	0	0	0	0	0	1			
	10697040	Perkins Road	Perkins Rd: Bernard Dr to Pine St	Rye	Distribution Main	8	Ductile-iron	Cement-lined	802	1975	0	0	0		2020	0	0	0	0	0	0	0	1	1			
	10697041	Perkins Road	Perkins Rd: Bernard Dr to Ocean Blvd	Rye	Distribution Main	8	Ductile-iron	Cement-lined	727	1975	0	0	0		2020	0	0	0	0	0	0	0	1	1			
	10071706	Old Locke Road	Old Locke Rd: AC pipe to Pond Path	Rye	Distribution Main	6	Asbestos-cement	Unlined	1,117	1935	1	0	0		2015	1	0	1	3	0	0	0	-5	0			
	10618475	Ocean Blvd	Ocean Blvd High St - Cusack Rd	Hampton	Distribution Main	10	Asbestos-cement	Unlined	487	1958	0	0	0		2013	0	0	0	3	0	0	0	-3	0			
	10006280	Ocean Blvd	Ocean Blvd Rye line to Willow Ave	North Hampton	Distribution Main	8	Cast-iron	Unlined	1,804	1958	0	0	0		2013	0	0	0	2	0	0	1	-3	0			
	10007157	Ocean Blvd	Ocean Blvd: Causeway Rd north 300 ft to DI segmen	Rye	Distribution Main	8	Cast-iron	Unlined	286	1958	0	0	0		2013	0	0	0	2	0	0	1	-3	0			
	10007358	Ocean Blvd	Ocean Blvd: Causeway Rd to North Hampton line	Rye	Distribution Main	8	Cast-iron	Unlined	137	1958	0	0	0		2013	0	0	0	2	0	0	1	-3	0			
	10010184	Watsons Lane	Watsons Ln: south pipe of double main	Hampton	Distribution Main	6	Cast-iron	Unlined	786	1960	0	0	0		2013	0	0	0	2	0	0	1	-3	0			
	10697109	Ocean Blvd	Ocean Blvd Sea Rd to South Rd	Rye	Distribution Main	8	Cast-iron	Unlined	418	1958	0	0	0		2013	0	0	0	2	0	0	1	-3	0			
	10697110	Ocean Blvd	Ocean Blvd Sea Rd to 2012 break	Rye	Distribution Main	8	Cast-iron	Unlined	1,431	1958	0	0	0		2013	0	0	0	2	0	0	1	-3	0			
	10697112	Ocean Blvd	Ocean Blvd Perkins Ave to 2012 main break	Rye	Distribution Main	8	Cast-iron	Unlined	1,715	1958	0	0	0		2013	0	0	0	3	0	0	1	-3	0			
	10697113	Ocean Blvd	Ocean Blvd: Brown Ct to Perkins Rd	Rye	Distribution Main	8	Cast-iron	Unlined	197	1958	0	0	0		2013	0	0	0	2	0	0	1	-3	0			
	10697114	Ocean Blvd	Ocean Blvd: Baker Ave to Brown Ct	Rye	Distribution Main	8	Cast-iron	Unlined	137	1958	0	0	0		2013	0	0	0	2	0	0	1	-3	0			
	10697115	Ocean Blvd	Ocean Blvd: Baker Ave to Myrica Ave	Rye	Distribution Main	8	Cast-iron	Unlined	352	1958	0	0	0		2013	0	0	0	2	0	0	1	-3	0			
	10697116	Ocean Blvd	Ocean Blvd Gray Ct to Myrica Ave	Rye	Distribution Main	8	Cast-iron	Unlined	275	1954	0	0	0		2013	0	0	0	2	0	0	1	-3	0			

Aquarion Water Company
of New Hampshire, Inc.
Docket No. DW 15-476
Staff 1-4 Attachment A
Witness: Carl McMorran

Year	SAPID	Street	Description	Town	Class	Size (in)	Material	Lining	Length (ft)	Installed	Breaks	Hydraulic	Critical Customer	Bleeder	Paving Year	Main Breaks	Bleeder?	Pipe Age	Pipe Material	Hydraulic	Critical Customer	Lining	Schedule	Total	Estimated Cost Low	Estimated Cost High	Comments
	10697117	Ocean Blvd	Ocean Blvd: Gray Ct to Powers Ave	Rye	Distribution Main	8	Cast-iron	Unlined	214	1958	0	0	0		2013	0	0	0	2	0	0	1	-3	0			
	10697118	Ocean Blvd	Ocean Blvd: Powers Ave to private rd	Rye	Distribution Main	8	Cast-iron	Unlined	50	1958	0	0	0		2013	0	0	0	2	0	0	1	-3	0			
	10697119	Ocean Blvd	Ocean Blvd: Cable Rd south to private rd	Rye	Distribution Main	8	Cast-iron	Unlined	414	1958	0	0	0		2013	0	0	0	2	0	0	1	-3	0			
	10697120	Ocean Blvd	Ocean Blvd: Cable Rd to Cable Rd Ext	Rye	Distribution Main	8	Cast-iron	Unlined	30	1958	0	0	0		2013	0	0	0	2	0	0	1	-3	0			
	10006022	Bradley Lane	Bradley Ln: Pond Path to loop	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	790	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006037	Cherry Road	Cherry Rd: off North Road	North Hampton	Distribution Main	6	Ductile-iron	Cement-lined	64	1999	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006043	Deer Run Road	Deer Run Rd: Red Fox Rd to Winnicut Rd	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	1,964	1988	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006055	Buckskin Lane	Buckskin Ln: loop	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,955	1981	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006093	Garrett Road	Garrett Rd: loop off South Rd	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	2,401	1988	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006137	Highlander Drive	Highlander Dr: North Rd to loop	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	1,981	1987	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006235	Mill Road	Mill Rd: Cedar Rd to wellfield north	North Hampton	Transmission Main	12	Ductile-iron	Cement-lined	1,157	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006313	Park Circle	Park Cir: off North Road	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	787	1986	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006324	Pine Road	Pine Rd: Atlantic Ave to Mill Rd	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	2,675	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006327	Pond Path	Pond Path	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,629	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006372	Rockrimmon Road	Rockrimmon Rd: Woodland Rd to loop	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	2,425	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006382	Runnymede Drive	Runnymede Dr.	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,156	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006400	Shepherds Lane	Shepherds Ln: off New Rd	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	758	1996	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006431	Spruce Meadow Drive	Spruce Meadow Dr: Atlantic Ave to loop	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	555	1980	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006475	Runnymede Drive	Runnymede Dr: cul-de-sac	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,521	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006583	Evergreen Drive	Evergreen Dr: off Birch Rd	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	2,646	2001	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006644	A Street	A St	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	407	1986	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006652	Alder Lane	Alder Ave	Rye	Distribution Main	1	PVC	Unlined	368	1980	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006661	Acadia Avenue	Acadia Ave: Sunset Ave - Winnacunnet Rd	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	223	1970	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006673	Baker Avenue	Baker Ave: off Big Rock Rd	Rye	Distribution Main	8	Ductile-iron	Cement-lined	272	1986	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006682	Baker Avenue	Baker Ave: last 200 feet to end	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	290	1992	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006715	Perkins Avenue	Perkins Ave (crossing Ashworth)	Hampton	Distribution Main	8	PVC	Unlined	37	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006749	Anns Terr	Anns Terr	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	576	1980	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006760	Ash Street	Ash Street	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	294	1984	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006768	Ashworth Avenue	Ashworth Ave: Nudd Ave to Ocean Blvd	Hampton	Transmission Main	16	Ductile-iron	Cement-lined	62	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006780	Church Road	Church Rd: off Ocean Blvd	Rye	Distribution Main	8	Ductile-iron	Cement-lined	1,797	2000	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006792	Ashworth Avenue	Ashworth Ave: Island Path to Nudd Ave	Hampton	Transmission Main	16	Ductile-iron	Cement-lined	896	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006799	Douglas Circle	Douglas Cir: off Hunterville Ave	Rye	Distribution Main	2	Copper	Unlined	123	1988	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006819	Drake Lane	Drake Ln: off Locke Rd	Rye	Distribution Main	8	Ductile-iron	Cement-lined	79	1988	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006826	Auburn Avenue	Auburn Ave: PVC crossing Ashworth Ave	Hampton	Distribution Main	8	PVC	Unlined	31	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006837	Fielding Way	Fielding Way: Spring Rd to V 1001 0210	Rye	Distribution Main	8	Ductile-iron	Cement-lined	389	1983	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006863	Ashworth Avenue	Ashworth Ave: A St to Island Path	Hampton	Transmission Main	16	PVC	Unlined	192	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006885	Ashworth Avenue	Ashworth Ave: A St to B St	Hampton	Transmission Main	16	PVC	Unlined	254	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006897	Barbour Road	Barbour Rd: Mill Rd to Sherburne Dr	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	444	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006909	Fielding Way	Fielding Way: Spring Rd to Spring Rd	Rye	Distribution Main	8	Ductile-iron	Cement-lined	993	1983	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006920	Spring Road	Spring Rd: Fielding Way to end	Rye	Distribution Main	8	Ductile-iron	Cement-lined	303	1983	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006929	Beach Plum Way	Beach Plum Way: James St - Tappan St	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	240	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006941	Bear Path	Bear Path	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,673	1994	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006949	Lafayette Road	Lafayette Rd: North Hampton line to end	Rye	Distribution Main	12	Ductile-iron	Cement-lined	316	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006986	Love Lane	Love Ln: off Central Rd	Rye	Distribution Main	8	Ductile-iron	Cement-lined	853	2000	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10006990	Barbour Road	Barbour Rd: Sherburne Dr to Vanderpool Dr	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	645	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007030	Bonair Avenue	Bonair Ave: Esker Rd to Shirley Ter	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	449	1970	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007041	Boston Ave	Boston Ave	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	449	1975	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007090	Bonair Avenue	Bonair Ave: between Shirley Ter mains	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	114	1970	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007185	Spring Road	Spring Rd: off Fielding Way	Rye	Distribution Main	8	Ductile-iron	Cement-lined	833	1983	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007227	Cedarview Lane	Cedarview Ln	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	721	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007260	Wildwood Lane	Wildwood Ln	Rye	Distribution Main	6	Ductile-iron	Cement-lined	502	1980	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007270	Church Street	Church St: Cole St to Ocean Blvd	Hampton	Transmission Main	6	Ductile-iron	Cement-lined	121	2006	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007291	Coffin Drive	Coffin Dr	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	512	1981	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007304	Cogger Street	Cogger St: off Tuck Rd	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	556	1971	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007324	Fairway Drive	Cross country: Fairway Dr to North Hampton line	Rye	Distribution Main	8	PVC	Unlined	535	2009	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007328	Cole Street	Cole St: off Church St	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	559	1978	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007336	Gray Court	Gray Ct: off Ocean Blvd	Rye	Distribution Main	6	Ductile-iron	Cement-lined	417	1991	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007350	Concord Avenue	Concord Ave: Ocean Blvd to River Ave	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	296	1984	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007372	Concord Avenue	Concord Ave: River Ave to end	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	457	1976	0	0	0		0	0	0	0	0	0	0	0	0	0			

Year	BAPID	Street	Description	Town	Class	Size (in)	Material	Lining	Length (ft)	Installed	Breaks	Hydraulic	Critical Customer	Bleeder	Paving Year	Main Breaks	Bleeder?	Pipe Age	Pipe Material	Hydraulic	Critical Customer	Lining	Schedule	Total	Estimated Cost Low	Estimated Cost High	Comments
	10007381	Cranberry Ln	Cranberry Ln @ Ocean Blvd	Hampton	Distribution Main	8	Ductile-iron	Unlined	600	1976	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007394	Crest Street	Crest St: Emerald Ave to Thorwald St	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	200	1984	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007440	Baker Avenue	Baker Ave: off Ocean Blvd	Rye	Distribution Main	8	Ductile-iron	Cement-lined	477	1986	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007449	Cutler Avenue	Cutler Ave: off Church St	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	485	1978	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007498	South Road	South Rd: 6-in / 8-in merge to end	Rye	Distribution Main	8	Ductile-iron	Cement-lined	1,000	1979	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007536	Dakotah Rd	Decotah St	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	246	1984	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007556	Church Street	Church St: Cole St to Cutler St	Hampton	Transmission Main	6	Ductile-iron	Cement-lined	143	2006	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007567	Downer Dr	Downer Dr	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	788	[illegible]	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007590	Drakes Landing	Drakes Landing	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,825	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007633	Drakeside Road	Drakeside Rd: 56 Drakeside to Lafayette	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	1,417	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007645	Church Street	Church St: Charles St to Cutler St	Hampton	Transmission Main	6	Ductile-iron	Cement-lined	147	2006	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007654	Drakeside Road	Drakeside Rd: 56 Drakeside to end	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	2,170	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007663	Driftwood Road	Driftwood Rd: Cedarview Ln to Exeter Rd	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	585	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007685	Dunvegan Woods	Dunvegan Woods A	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	558	1984	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007696	Dupuis Circle	Dupuis Cir	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	228	1981	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007815	Emerald Avenue	Emerald Ave: Crest St to Sapphire Ave	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	76	1984	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007837	Emerald Avenue	Emerald Ave: Crest St to Overlook St	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	190	1984	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007849	Esker Road	Esker Rd: Laurence Ct to Presidential Cir	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	305	1980	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007907	Falcone Circle	Falcone Cir	Hampton	Distribution Main	16	Ductile-iron	Cement-lined	239	1982	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007923	Fielding Ln	Fielding Ln	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	[illegible]	1991	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007932	Fieldstone Circle	Fieldstone Cir	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	880	1983	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10007970	Forest Drive	Forest Dr: Cedarview Ln to Maplewood Dr	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	663	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008000	Esker Road	Esker Rd: Bonair Ave to Laurence Ct	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,103	1981	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008011	Esker Road	Esker Rd: Bonair Ave to Vrylenas Way	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	617	1979	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008034	Francis Street	Francis St: Church St to Lyons St	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	242	1982	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008043	Francis Street	Francis St: Lyons St to end	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	92	1982	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008064	Esker Road	Esker Rd: Icehouse Way to Vrylenas Way	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	516	1981	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008066	Emerald Avenue	Emerald Ave: Ash St to Overlook St	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	188	1984	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008188	Great Gate Dr	Great Gate Dr: east of Juniper Ln	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	832	1992	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008247	Emerald Avenue	Emerald Ave: Ash St to Spruce St	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	179	1984	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008256	Emerald Avenue	Emerald Ave: Acadia Ave to Spruce St	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	226	1984	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008290	Edgewood Drive	Edgewood Dr: V 1000 7541 to Winnacunnet Rd	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,481	1984	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008343	Haverhill Avenue	Haverhill Ave: off Ocean Blvd	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	260	1977	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008352	Hayden Circle	Hayden Cir: Heather Ln to V 1000 9612	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	558	1981	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008371	Hedman Avenue	Hedman Ave: Eliot St to High St	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	376	1965	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008392	Church Street	Church St: Charles St to McKay St	Hampton	Transmission Main	6	Ductile-iron	Cement-lined	23	2006	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008412	Hedman Avenue	Hedman Ave: Eliot St to Randall St	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	336	1965	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008432	Hedman Avenue	Hedman Ave: Bradstreet Rd to Randall St	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	752	1978	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008444	Hilda Drive	Hilda Dr: off Landing Rd	Hamptonq	Distribution Main	8	Ductile-iron	Cement-lined	752	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008486	Holman Ln	Holman Ln	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	560	1984	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008514	Hunter Ln	Hunter Dr	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,673	1988	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008536	Oak Road	Oak Road: Hutchinson Road to end	Hampton	Distribution Main	1	Copper	Unlined	59	1960	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008555	Ice House Way	Ice House Way: Esker Rd to end	Hampton	Distribution Main	4	Ductile-iron	Cement-lined	632	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008562	Church Street	Church St: Francis St to McKay St	Hampton	Transmission Main	6	Ductile-iron	Cement-lined	161	2006	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008572	Church Street	Church St: Francis St to Williams St	Hampton	Transmission Main	6	Ductile-iron	Cement-lined	274	2006	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008612	James St	James St	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	376	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008625	Janet Lane	Janet Ln: off Mace Rd	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	581	1999	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008647	Jeffrey Drive	Jeffrey Dr: off Winnacunnet Rd	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	517	1982	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008697	Church Street	Church St: Highland Ave to Williams St	Hampton	Transmission Main	8	HDPE	Unlined	641	2013	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008734	Katie Ln	Katie Ln	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,153	2001	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008813	Lamprey Terrace	Lamprey Ter: High St to Leary Ln	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	493	1996	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008876	Laurence Ct	Laurence Ct: off Esker Rd	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	342	1981	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008907	Liberty Lane	Liberty Ln: north from turnpike crossover	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,219	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008930	Little River Road	Little River Rd: High St to Mace Rd	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	33	2003	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10008961	Lyons Street	Lyon St: Francis St to Williams St	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	304	1982	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10009007	Malek Circle	Malek Cir: off Landing Rd	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	248	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10009109	Mohawk Rd	Mohawk St	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	240	1994	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10009154	Munsey Dr	Munsey Dr	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	3,447	1960	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10009197	Norwegian Way	Norwegian Way	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	551	1993	0	0	0		0	0	0	0	0	0	0	0	0	0			

Year	SAPID	Street	Description	Town	Class	Size (in)	Material	Lining	Length (ft)	Installed	Breaks	Hydraulic	Critical Customer	Bleeder	Paving Year	Main Breaks	Bleeder?	Pipe Age	Pipe Material	Hydraulic	Critical Customer	Lining	Schedule	Total	Estimated Cost Low	Estimated Cost High	Comments
	10009228	Noel Road	Noel Rd off Mace Rd	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	802	1979	0	0	0		0	0	0	0	0	0	0	0	0	0			
	[illegible]	Nor East Ln	Nor East Ln	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	511	1980	0	0	0		0	0	0	0	0	0	0	0	0	0			
	[illegible]	Norton Road	Norton Rd: Mace Rd to Little River Rd	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	[illegible]	[illegible]	0	0	0		0	0	0	0	0	0	0	0	0	0			
	[illegible]	Overlook Avenue	Overlook Ave: off Emerald Ave	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	174	1944	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10009322	P Street	P St	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	426	1976	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10009380	Pawnee Rd	Pawnee St	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	281	1994	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10009400	Penniman Lane	Penniman Ln off Winnacunnet Rd	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1 152	1986	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10009458	Playhouse Circle	Playhouse Cir: Winnacunnet Rd to split	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	465	2000	0	0	0		0	0	0	0	0	0	0	0	0	0			
	[illegible]	Portsmouth Avenue	Portsmouth Ave: Seabrook Interconnect to Campton	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	47	1971	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10009491	Presidential Circle	Presidential Cir: Esker Rd to Winnacunnet Rd	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	191	1980	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10009501	Q Street	Q St	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	320	1976	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10009532	Raymond Lane	Raymond Ln: Little River Rd to crossover	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	811	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10009551	Reddington Landing	Reddington Lndg: Karen St to Mill Rd	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	616	[illegible]	0	0	0		0	0	0	0	0	0	0	0	0	0			
	[illegible]	Redman St	Redman St	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	241	1975	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10009566	Reubens Driftway	Reubens Driftway: off Esker Rd	Hampton	Distribution Main	4	Ductile-iron	Cement-lined	276	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10009574	Reddington Landing	Reddington Lndg: Karen St to Lafayette crossover	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	744	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10009617	Rings Terrace	Rings Ter: off Winnacunnet Rd	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	[illegible]	[illegible]	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10009682	Robin Lane	Robin Ln	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	677	1977	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10009751	Seaview Ave	Seaview Ave	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1 310	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10009769	Shaw St	Shaw St	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	275	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10009855	Spruce Street	Spruce St: Emerald Ave to Thorwald Ave	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	298	1980	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10009865	St Cyr Drive	St Cyr Dr	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	489	1986	0	0	0		0	0	0	0	0	0	0	0	0	0			
	[illegible]	Stickney Terrace	Stickney Terr	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	345	1974	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10009886	Stowecroft Drive	Stowecroft Dr: Fieldstone Cir to Westridge Rd	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	487	1983	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10009914	Swain Court	Swain Ct: off Lafayette Rd	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	201	1986	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010017	Thorwald Avenue	Thorwald Ave: Crest St to Overlook St	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	375	1984	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010026	Thorwald Avenue	Thorwald Ave: Ash St to Spruce St	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	190	1984	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010039	Thorwald Avenue	Thorwald Ave: Acadia Ave to Spruce St	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	99	1984	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010061	Tide Mill Road	Tide Mill Rd: PRV feed to end	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1 395	1971	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010079	Toppan Street	Toppan St: Ancient Hwy to Beach Plum Way	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	333	1986	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010107	Towle Farm Road	Towle Farm Rd: Exeter Rd to Merrill Ind Dr	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	988	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010173	Vanderpool Dr	Vanderpool Dr	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1 485	1988	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010203	Viking Street	Viking St	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	194	1984	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010212	Vrylenas Way	Vrylenas Way (off Esker Rd)	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	651	1999	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010234	Wall Street	Wall St: east of Brown Ave	Hampton	Distribution Main	1	Copper	Unlined	148	1981	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010243	Walnut Avenue	Walnut Ave: Acadia Ave to Sapphire Ave	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	810	1960	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010273	Wayside Farm Lane	Wayside Farm Ln: off Mill Rd	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	876	2002	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010295	Westridge Road	Westridge Rd	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	[illegible]	[illegible]	0	0	0		0	0	0	0	0	0	0	0	0	0			
	[illegible]	Wheaton Lane Terrace	Wheaton Lane Terrace	Hampton	Distribution Main	[illegible]	Ductile-iron	Cement-lined	[illegible]	[illegible]	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010333	Sapphire Avenue	Sapphire Ave: Emerald Ave to Walnut Ave	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	236	1970	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010343	Sapphire Avenue	Sapphire Ave: Emerald Ave to dead end	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	201	1970	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010378	Wild Rose Lane	Wild Rose Ln: Briar Rd to Keene Ln	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	778	1977	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010391	Williams Street	Williams St: Church St to Lyons St	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	212	1982	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010411	Windmill Lane	Windmill Ln: High St to Winnacunnet Rd	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	1 507	1982	0	0	0		0	0	0	0	0	0	0	0	0	0			
	[illegible]	Woodland Rd	Woodland Rd: Mursey Dr - town line	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	[illegible]	[illegible]	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010501	Cotton Farm Ln	Cotton Farm Ln: Woodland Rd to cul-de-sac	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1 785	1971	0	0	0		0	0	0	0	0	0	0	0	0	0			
	[illegible]	Mill Road	Mill Rd: Cedar Rd to Pine Rd	North Hampton	Transmission Main	12	Ductile-iron	Cement-lined	1 122	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010535	Atlantic Avenue	Atlantic Ave: Mill Rd to V 1059 1404	North Hampton	Transmission Main	12	Ductile-iron	Cement-lined	2 090	2010	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010563	Red Fox Road	Red Fox Rd: Deer Run Rd to loop	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	355	1988	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010574	Aspen Way	Aspen Way: off Greystone Way	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1 000	2010	0	0	0		0	0	0	0	0	0	0	0	0	0			
	[illegible]	Greystone Way	Greystone Way: Aspen Way to Lafayette Rd	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	325	2010	0	0	0		0	0	0	0	0	0	0	0	0	0			
	[illegible]	Boutilier Drive	Boutilier Dr: North Rd to circle	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	1 321	1998	0	0	0		0	0	0	0	0	0	0	0	0	0			
	[illegible]	Buckskin Lane	Buckskin Ln: Winnicut Rd to loop	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1 612	1991	0	0	0		0	0	0	0	0	0	0	0	0	0			
	[illegible]	Cedar Road	Cedar Rd: off Lafayette Rd	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	747	1981	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010642	Greystone Way	Greystone Way: Aspen Way to Summer Ct	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	326	2010	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010654	Cotton Farm Ln	Cotton Farm Ln: cul-de-sac	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,282	1971	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010662	Greystone Way	Greystone Way: Goldenrod Wy to Summer Ct	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	210	2010	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010675	Goldenrod Way	Goldenrod Way: Aspen Way to Summer Ct	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	298	2010	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010689	Deer Run Road	Deer Run Rd: Post Rd to Red Fox Rd	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1 120	1988	0	0	0		0	0	0	0	0	0	0	0	0	0			

CM-2 List of Water Mains

Year	SAPID	Street	Description	Town	Class	Size (in)	Material	Lining	Length (ft)	Installed	Breaks	Hydraulic	Critical Customer	Bleeder	Paving Year	Main Breaks	Bleeder?	Pipe Age	Pipe Material	Hydraulic	Critical Customer	Lining	Schedule	Total	Estimated Cost Low	Estimated Cost High	Comments
	10010699	Summer Court	Summer Ct: Goldenrod Way to Greystone Way	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	114	2010	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010710	Pond Path	Pond Path: south side of circle	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	[illegible]	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010735	Well 14 road	Well 14: pump house to Exeter Rd	North Hampton	Transmission Main	12	Ductile-iron	Cement-lined	1,449	1989	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010753	Highlander Drive	Highlander Dr: loop	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	1,270	1987	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010805	Mill Road	Mill Rd: crossover at Pine Rd	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	49	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010851	Pond Path	Pond Path: cross country to circle	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	563	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010880	Red Fox Road	Red Fox Rd: loop at end	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,346	1988	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010891	Rockrimmon Road	Rockrimmon Rd: loop	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,290	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010920	Spruce Meadow Drive	Spruce Meadow Dr: loop	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,783	1980	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010940	Winnacut Road	Winnacut Rd: plant road to Well 10 road	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	936	1996	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10010950	Winterberry Ln	Winterberry Ln: V 1000 8916 to Walnut Ave	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	3,408	2000	0	0	0		0	0	0	0	0	0	0	0	0	0			
	[illegible]	Winnacut Road	Winnacut Rd: river crossing line to end	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	425	1996	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10011031	Winnacut Road	Winnacut Rd: Buckskin Ln to V 1000 9166	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	17	1995	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10011044	Woodland Rd	Woodland Rd: Cotton Farm Ln - Maple Rd	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	17	1971	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10435474	Dalton Ave	Dalton Ln	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	463	2009	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10435475	Baron Rd	Baron Rd	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	886	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10501819	Sherburne Dr	Sherburne Dr	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	668	2008	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10581201	Nathaniel Court	Nathaniel Ct: off Winnacunnet Rd	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	410	2010	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10616045	Atlantic Avenue	Atlantic Ave: between Woodland Rd mains	North Hampton	Transmission Main	12	Ductile-iron	Cement-lined	[illegible]	2011	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10616048	Atlantic Avenue	Atlantic Ave: V 1057 1937 to Woodland Rd	North Hampton	Transmission Main	16	Ductile-iron	Cement-lined	634	2011	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618333	Witch Island Way	Witch Island Way	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	702	2011	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618477	Beach Plum Way	Beach Plum Way: Shaw St - Tappan St	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	243	1965	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618484	Beach Plum Way	Beach Plum Way: north of Shaw St	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	271	1965	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618507	Wildrose Ln	Keene Ln east of Wild Rose Ln	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	633	1977	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618833	Huckleberry Ln	Huckleberry Ln: west of Juniper Ln	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	235	1988	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618835	Juniper Ln	Juniper Ln: Linden Ln - Nersessian Way	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	488	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618836	Juniper Lane	Juniper Ln: Great Gate Dr - Nersessian Way	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,160	1993	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618837	Great Gate Dr	Great Gate Dr: Downer Dr - Juniper Ln	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	485	1992	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618838	Great Gate Dr	Great Gate Dr: Downer Dr - Woodland Rd	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	719	1992	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618839	Woodland Rd	Woodland Rd: Great Gate Dr - Munsey Dr	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	399	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618840	Woodland Rd	Woodland Rd: Great Gate Dr - Pawnee St	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	[illegible]	[illegible]	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618841	Woodland Rd	Woodland Rd: Mohawk St - Pawnee St	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	259	1995	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618842	Woodland Rd	Woodland Rd: Katie Ln - Mohawk St	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	[illegible]	[illegible]	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618843	Woodland Rd	Woodland Rd: Katie Ln - North Shore Rd	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	1,436	1995	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618844	North Shore Rd	North Shore Rd east of Woodland Rd	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	[illegible]	[illegible]	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618845	Woodland Rd	Woodland Rd: Hunter Dr - North Shore Rd	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	[illegible]	[illegible]	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618846	Woodland Rd	Woodland Rd: Hunter Dr - Little River Rd	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	[illegible]	[illegible]	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618847	Acadia Ave	Acadia Ave: Bonair Ave - Emerald Ave	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	327	1970	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618848	Acadia Ave	Acadia Ave: Acadia condos to Emerald Ave	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	210	1970	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618849	Alexander Drive	Alexander Ave: Fielding Ln to High St	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,454	1981	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618850	Alexander Drive	Alexander Ave: Fielding Ln to Presidential Cir	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	[illegible]	1981	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618903	Winterberry Lane	Winterberry Ln: Well 17 to Well 19	North Hampton	Supply Main	8	Ductile-iron	Cement-lined	[illegible]	1998	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618904	Winterberry Lane	Well 17 supply main	North Hampton	Supply Main	4	Ductile-iron	Cement-lined	46	1998	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618918	Winterberry Lane	Winterberry Ln: river crossing to V 1000 8916	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	1,402	2000	0	0	0		0	0	0	0	0	0	0	0	0	0			
	[illegible]	Winterberry Lane	Well 19 supply main	North Hampton	Supply Main	8	Ductile-iron	Cement-lined	124	1998	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618919	Winnacut River	Winnacut River Crossing: V 1000 9205 to V 1000 9305	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	124	2000	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618920	Winterberry Lane	Wells 17 - 19 supply main	North Hampton	Supply Main	12	Ductile-iron	Cement-lined	1,086	1998	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10616920	Winnacut Rd	Winnacut River Cross: Winnacut Rd to V 1000 9295	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	1,086	2000	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618922	Woodland Rd	Woodland Rd: Atlantic Ave - Ship Rock Rd	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	768	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618923	Woodland Rd	Woodland Rd: Runnymede Dr - Ship Rock Rd N	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	440	1986	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618924	Woodland Rd	Woodland Rd: Runnymede Dr - Ship Rock Rd S	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	283	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618925	Woodland Rd	Woodland Rd: Rockrimmon Rd - Ship Rock Rd	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	1,761	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10618926	Woodland Rd	Woodland Rd: Rockrimmon Rd - Hampton line	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	243	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10620775	Pond Path	Cross country: Pond Path to Rye line	North Hampton	Distribution Main	8	PVC	Unlined	436	2009	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10620882	Drakeside Rd	Drakeside Rd 056	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	387	2011	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10624459	High St	Grist Mill Condos	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	415	2011	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10625905	Fuller Acres	Off Ocean Blvd # 375	Hampton	Distribution Main	4	Ductile-iron	Cement-lined	26	2011	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10625906	Fuller Acres	Off Ocean Blvd #375	Hampton	Distribution Main	4	Ductile-iron	Cement-lined	130	2011	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10625907	Fuller Acres	Off Ocean Blvd #375	Hampton	Distribution Main	4	Ductile-iron	Cement-lined	101	2011	0	0	0		0	0	0	0	0	0	0	0	0	0			

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Year	SAPID	Street	Description	Town	Class	Size (in)	Material	Lining	Length (ft)	Installed	Breaks	Hydraulic	Critical Customer	Bleeder	Paving Year	Main Breaks	Bleeder?	Pipe Age	Pipe Material	Hydraulic	Critical Customer	Lining	Schedule	Total	Estimated Cost Low	Estimated Cost High	Comments
	10625910	Bradley Lane	Bradley Ln loop	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	2,547	1965	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10625911	Pond Path	Pond Path: north side of circle	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	[illegible]	1965	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10625912	Boutilier Drive	Boutilier Ln: 12-in east from circle	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	258	1998	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10625913	Boutilier Drive	Boutilier Dr: 8-in west from circle	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,126	1998	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10625917	Highland Avenue	Highland Ave	Hampton	Transmission Main	16	Ductile-iron	Cement-lined	650	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10625922	Brown Avenue	Brown Ave: Bittersweet Ln to Wall St	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	161	1971	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10625930	Forest Dr	Forest Dr: Maplewood Dr to cul-de-sac	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	448	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10692823	Fieldstone Circle	Fieldstone Cir	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	533	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10692824	Fieldstone Circle	Fieldstone Cir	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	556	1980	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10692828	Stowecroft Drive	Stowecroft Dr	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,650	1983	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10692831	Falcone Circle	Exeter Road Elevated Tank	Hampton	Distribution Main	16	Ductile-iron	Cement-lined	221	1982	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10692832	Falcone Circle	Exeter Road Elevated Tank	Hampton	Distribution Main	16	Ductile-iron	Cement-lined	119	1982	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10692890	Falcone Circle	Falcone Dr	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	366	1994	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10692891	Falcone Circle	Falcone Cir: St Cyr Dr to V 1000 9362	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	315	1994	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10692892	Falcone Circle	Falcone Dr	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,531	1994	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10692893	St Cyr Drive	St. Cyr Dr	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,205	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10692894	Falcone Circle	Falcone Cir	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,530	1986	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10692924	Hayden Circle	Hayden Cir: Coffin Dr to V 1000 9602	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	870	1981	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10692925	Hayden Circle	Hayden Cir: Coffin Dr to V 1000 9602	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	294	1981	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10692926	Hayden Circle	Hayden Cir: V 1000 9648 to V 1000 9669	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,176	1981	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10692938	Josephine Drive	Josephine Dr: Bourn Ave to Wigwam Cir	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	617	1988	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10692942	Maplewood Drive	Maplewood Dr	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	756	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10692947	Merrill Industrial Drive stub	Merrill Industrial Dr stub	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	295	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10692948	Towle Farm Road	Towle Farm Rd: Merrill to Hampton Towne Estates	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	643	1986	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10692949	Towle Towne Estates	Hampton Towne Estates	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,689	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10695061	Lafayette Road	Lafayette Rd: 12-in to Drakeside Rd	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	306	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10695647	Thorwald Avenue	Thorwald Ave: Crest St to Viking St	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	282	1984	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10696711	Keefe Avenue	Keefe Ave: V 1069 3409 to end	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	120	2015	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697015	Reddington Landing	Reddington Lndg: Lafayette crossover to end	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	516	1995	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697016	Raymond Lane	Raymond Ln: Little River Rd crossover to end	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	86	1995	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697019	Presidential Circle	Presidential Cir: west loop to Alexander Ave	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,241	1980	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697020	Presidential Circle	Presidential Cir: Alexander Ave to Esker Rd	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	866	1980	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697021	Presidential Circle	Presidential Cir: split to Esker Rd	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	298	1980	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697031	Post Road	Post Rd: I95 bridge	North Hampton	Transmission Main	12	Ductile-iron	Cement-lined	[illegible]	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697036	Playhouse Circle	Playhouse Cir: loop	Hamptonq	Distribution Main	8	Ductile-iron	Cement-lined	1,781	2000	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697150	Maple Road	Maple Rd: Atlantic Ave crossover	North Hampton	Transmission Main	8	Ductile-iron	Cement-lined	30	2012	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697180	Little River Road	Little River Rd: Mace Rd to Taylor St	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	839	2003	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697181	Little River Road	Little River Rd: Taylor St to Well 7	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	702	2003	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697182	Little River Road	Little River Rd: Well 7 to Woodland Rd	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	714	1995	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697183	Little River Road	Little River Rd: Bear Path to Woodland Rd	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	518	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697185	Little River Road	Little River Rd: Barbour Rd to Raymond Ln crossovr	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	420	2003	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697186	Little River Road	Little River Rd: Norton Rd to Raymond Ln crossover	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	383	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697187	Little River Road	Little River Rd: Norton Rd to Raymond Ln	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	254	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697188	Little River Road	Little River Rd: Mace Rd to Raymond Ln	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	231	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697189	Towle Farm Road	12-in cross: Towle Farm Rd to Liberty Ln	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	67	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697190	Liberty Lane	Liberty Ln: south from Towle Farm crossover	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	221	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697217	Laurel Lane	Laurel Ln: CI segment to end	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	407	1984	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697218	Lamprey Terrace	Lamprey Ter: Eastmore Ln to Leary Ln	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	186	1971	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697225	Lafayette Road	Lafayette Rd: Anns Ln to Fairfield Ave	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	691	1995	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697226	Lafayette Road	Lafayette Rd: Fairfield Ave to Tuck Rd crossover	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	312	1996	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697227	Lafayette Road	Lafayette Rd: Belmont Cir to Tuck Rd crossover	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	53	1995	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697229	Lafayette Road	Lafayette Rd: Seacoast Plaza to Tower Dr	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	22	1995	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697231	Lafayette Road	Lafayette Rd: crossover at Watsons Ln	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	63	1995	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697233	Lafayette Road	Lafayette Rd: Lamson Ln crossover	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	25	1995	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697234	Lafayette Road	Lafayette Rd: Lamson Ln to Watsons Ln 8-in	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	421	1995	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697239	Lafayette Road	Lafayette Rd: Atlantic Ave to Hobbs Rd	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	2,205	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697240	Lafayette Road	Lafayette Rd: Hobbs Rd to Shel-Al	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	1,112	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697241	Lafayette Road	Lafayette Rd: Elm Rd to Shel-Al	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	915	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697242	Lafayette Road	Lafayette Rd: Elm Rd to Woodridge Rd	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	970	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			

CM-2 List of Water Mains

Year	SAPID	Street	Description	Town	Class	Size (in)	Material	Lining	Length (ft)	Installed	Breaks	Hydraulic	Critical Customer	Bleeder	Paving Year	Main Breaks	Bleeder?	Pipe Age	Pipe Material	Hydraulic	Critical Customer	Lining	Schedule	Total	Estimated Cost Low	Estimated Cost High	Comments
	10697243	Lafayette Road	Lafayette Rd: North Rd to Woodridge Rd	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	1,404	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697244	Lafayette Road	Lafayette Rd: North Rd to North Rd	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	315	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697245	Lafayette Road	Lafayette Rd: H596 to North Rd	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	1,981	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697246	Lafayette Road	Lafayette Rd: H596 to Lafayette Ter	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	1,400	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697247	Lafayette Road	Lafayette Rd: Lafayette Ter to Lafayette Ter	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	184	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697248	Lafayette Road	Lafayette Rd: Lafayette Ter to crossover	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	129	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697249	Lafayette Road	Lafayette Rd: Greystone Way to crossover	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	1,224	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697250	Lafayette Road	Lafayette Rd: Greystone Way to Rye line	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	437	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10697258	Holly Lane	Holly Ln: Tucker Ln to AC segment	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	223	2010	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698738	Dunvegan Woods	Dunvegan Woods B	Hampton	Distribution Main	4	Ductile-iron	Cement-lined	210	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698739	Dunvegan Woods	Dunvegan Woods C	Hampton	Distribution Main	4	Ductile-iron	Cement-lined	558	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698740	Dunvegan Woods	Dunvegan Woods D	Hampton	Distribution Main	4	Ductile-iron	Cement-lined	94	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698741	Dunvegan Woods	Dunvegan Woods E	Hampton	Distribution Main	4	Ductile-iron	Cement-lined	75	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698742	Dunvegan Woods	Dunvegan Woods F	Hampton	Distribution Main	4	Ductile-iron	Cement-lined	874	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698743	Dunvegan Woods	Dunvegan Woods G	Hampton	Distribution Main	4	Ductile-iron	Cement-lined	62	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698744	Dunvegan Woods	Dunvegan Woods H	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	293	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698745	Dunvegan Woods	Dunvegan Woods I	Hampton	Distribution Main	4	Ductile-iron	Cement-lined	481	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698746	Dunvegan Woods	Dunvegan Woods J	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	515	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698747	Dunvegan Woods	Dunvegan Woods K	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	146	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698748	Dunvegan Woods	Dunvegan Woods L	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	177	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698749	Dunvegan Woods	Dunvegan Woods M	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	221	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698810	Atlantic Avenue	Atlantic Ave: Maple Rd to V 1065 8113	North Hampton	Distribution Main	16	Ductile-iron	Cement-lined	72	2012	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698837	Barbour Road	Barbour Rd: Milbern Ave to Vanderpool Dr	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	704	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698838	Barbour Road	Barbour Rd: Little River Rd to Milbern Ave	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	1,475	1990	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698839	Atlantic Avenue	Atlantic Ave: Maple Rd to V 1057 2030	North Hampton	Transmission Main	16	Ductile-iron	Cement-lined	1,708	2012	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698843	Ashworth Avenue	Ashworth Ave: B St to C St	Hampton	Transmission Main	16	PVC	Unlined	206	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698844	Ashworth Avenue	Ashworth Ave: C St to D St	Hampton	Transmission Main	16	PVC	Unlined	233	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698845	Ashworth Avenue	Ashworth Ave: Brown Ave to D St	Hampton	Transmission Main	16	PVC	Unlined	234	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698846	Ashworth Avenue	Ashworth Ave: Brown Ave to F St	Hampton	Transmission Main	16	PVC	Unlined	272	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698847	Ashworth Avenue	Ashworth Ave: F St to G St	Hampton	Transmission Main	16	PVC	Unlined	252	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698848	Ashworth Avenue	Ashworth Ave: G St to Hobson Ave	Hampton	Transmission Main	16	PVC	Unlined	178	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698849	Ashworth Avenue	Ashworth Ave: H St to Hobson Ave	Hampton	Transmission Main	16	PVC	Unlined	59	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698850	Ashworth Avenue	Ashworth Ave: H St to Manchester St	Hampton	Transmission Main	16	PVC	Unlined	114	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698851	Ashworth Avenue	Ashworth Ave: Keefe Ave to Manchester St	Hampton	Transmission Main	16	PVC	Unlined	135	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698852	Ashworth Avenue	Ashworth Ave: I St to Keefe Ave	Hampton	Transmission Main	16	PVC	Unlined	30	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698853	Ashworth Avenue	Ashworth Ave: I St to Mooring Ave	Hampton	Transmission Main	16	PVC	Unlined	118	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698854	Ashworth Avenue	Ashworth Ave: J St to Mooring Ave	Hampton	Transmission Main	16	PVC	Unlined	123	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698855	Ashworth Avenue	Ashworth Ave: Auburn Ave to J St	Hampton	Transmission Main	16	PVC	Unlined	64	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698856	Ashworth Avenue	Ashworth Ave: Auburn Ave to K St	Hampton	Transmission Main	12	PVC	Unlined	167	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698857	Ashworth Avenue	Ashworth Ave: K St to Perkins Ave	Hampton	Transmission Main	12	PVC	Unlined	96	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698858	Ashworth Avenue	Ashworth Ave: L St to Perkins Ave	Hampton	Transmission Main	12	PVC	Unlined	151	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698859	Ashworth Avenue	Ashworth Ave: L St to Johnson Ave	Hampton	Transmission Main	12	PVC	Unlined	57	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698860	Ashworth Avenue	Ashworth Ave: M St to Johnson Ave	Hampton	Transmission Main	12	PVC	Unlined	176	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698861	Ashworth Avenue	Ashworth Ave: M St to Riverview Ter	Hampton	Transmission Main	12	PVC	Unlined	22	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698862	Ashworth Avenue	Ashworth Ave: Bragg Ave to Riverview Ter	Hampton	Transmission Main	12	PVC	Unlined	186	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698863	Ashworth Avenue	Ashworth Ave: Bragg Ave to N St	Hampton	Transmission Main	12	PVC	Unlined	36	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698864	Ashworth Avenue	Ashworth Ave: N St to O St	Hampton	Transmission Main	12	PVC	Unlined	93	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698865	Ashworth Avenue	Ashworth Ave: O St to Tuttle Ave	Hampton	Transmission Main	12	PVC	Unlined	58	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698866	Ashworth Avenue	Ashworth Ave: P St to Tuttle Ave	Hampton	Transmission Main	12	PVC	Unlined	187	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698867	Ashworth Avenue	Ashworth Ave: Fellows Ave to P St	Hampton	Transmission Main	12	PVC	Unlined	7	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698868	Ashworth Avenue	Ashworth Ave: P St to Q St	Hampton	Transmission Main	12	PVC	Unlined	261	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10698869	Ashworth Avenue	Ashworth Ave: Dustin Ave to Q St	Hampton	Transmission Main	12	PVC	Unlined	450	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10699948	Brown Avenue	Brown Ave: Diane Ln to CI segment	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	126	1971	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10699950	Highland Avenue	Highland Ave	Hampton	Transmission Main	16	Ductile-iron	Cement-lined	155	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10699951	Highland Avenue	Highland Ave: Chase St to Nudd Ave cross	Hampton	Transmission Main	16	Ductile-iron	Cement-lined	226	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10699952	Highland Avenue	Highland Ave: Church St to Nudd Ave cross	Hampton	Distribution Main	16	Ductile-iron	Cement-lined	299	2007	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10699956	Windmill Lane	Windmill Ln: High St crossover	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	37	1982	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10699958	Windmill Lane	Windmill Ln: Winnacunnet Rd crossover	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	37	1982	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10699963	Winnacunnet Road	Winnacunnet Rd: crossover between Ocean Blvd mains	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	11	2014	0	0	0		0	0	0	0	0	0	0	0	0	0			

Year	SAPID	Street	Description	Town	Class	Size (in)	Material	Lining	Length (ft)	Installed	Breaks	Hydraulic	Critical Customer	Bleeder	Paving Year	Main Breaks	Bleeder?	Pipe Age	Pipe Material	Hydraulic	Critical Customer	Lining	Schedule	Total	Estimated Cost Low	Estimated Cost High	Comments
	10700029	Little River Road	Little River Rd: crossover from Raymond Ln	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	215	2003	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10700037	Karen Lane	Karen Ln: Lamson Ln to Reddington Lndg	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	252	1995	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10700038	Lafayette Road	Lafayette Rd: crossover to Reddington Landing	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	215	1995	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10700041	Liberty Lane	Liberty Ln W: Turnpike to end	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	1,977	1984	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10700043	Towle Farm Road	Towle Farm Rd: cross to Rt 101	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	143	1985	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10700046	Cusack Road	Cusack Rd: North Shore Rd to Seaview Ave	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	612	1988	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10700081	Myrica Avenue	Myrica Ave: off Big Rock Rd	Rye	Distribution Main	8	Unknown	Unknown	258	1964	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10700087	West Atlantic Ave	West Atlantic Ave: Surf Ave to end	Rye	Distribution Main	6	Ductile-iron	Cement-lined	268	1992	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10700089	Cable Road Extension	Cable Rd Ext: Ocean Blvd to end	Rye	Distribution Main	6	Ductile-iron	Cement-lined	390	1991	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10700093	Central Road	Jenness Booster transmissionmain	Rye	Transmission Main	12	Ductile-iron	Cement-lined	171	1986	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10700100	Winnacunnet Road	Winnacunnet Rd: tide creek bridge	Hampton	Transmission Main	12	Ductile-iron	Cement-lined	121	2000	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10700104	Laurel Lane	Laurel Ln: old 1-in copper main	Hampton	Distribution Main	1	Copper	Unlined	167	1953	0	0			0	0	0	0	0	0	0	0	0	0			
	10700110	shop road	Well 21 supply main	North Hampton	Supply Main	4	Ductile-iron	Cement-lined	67	2003	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10700120	Winnicut Road	Wells 12 - 13B supply main	North Hampton	Supply Main	8	Ductile-iron	Cement-lined	82	1995	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10700125	Winnicut Road	Winnicut Rd: combined supply main	North Hampton	Supply Main	12	Ductile-iron	Cement-lined	2,714	1996	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10700126	Atlantic Avenue	Atlantic Ave	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	3	2010	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10700127	Winterberry Lane	Wells 17-19 supply main	North Hampton	Supply Main	12	Ductile-iron	Cement-lined	117	1988	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10700132	Winnicutt Road	Winnicutt Rd: Well 16 6-in supply main	Stratham	Supply Main	6	Ductile-iron	Cement-lined	44	1995	0	0			0	0	0	0	0	0	0	0	0	0			
	10700133	Pine Street	Pine St: Big Rock Rd to Perkins Rd	Rye	Distribution Main	8	Ductile-iron	Cement-lined	17	1971	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10700156	Acadia Avenue	Acadia Condos: Hemlock St to Walnut Ave	Hampton	Distribution Main	3	PVC	Unlined	455	2002	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10700157	Acadia Avenue	Acadia Ave: Acadia condos to Walnut Ave	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	17	1970	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10709171	Surf Lane	Surf Ln: Vinmar Ct to end	Rye	Distribution Main	6	Ductile-iron	Cement-lined	55	1992	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10716793	Twelfth St	12th St: Kings Hwy to Ocean Blvd	Hampton	Distribution Main	2	HDPE	Unlined	304	2014	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10723979	Boars Head Terrace	Boars Head Terrace: 1st stub between #4 & #6	Hampton	Distribution Main	1	Copper	Unlined	40	2014	0	0	0	No	0	0	0	0	0	0	0	0	0	0			
	10723980	Boars Head Terrace	Boars Head Terrace: 2nd stub between #8 & #10	Hampton	Distribution Main	2	HDPE	Unlined	44	2014	0	0	0	No	0	0	0	0	0	0	0	0	0	0			
	10723981	Boars Head Terrace	Boars Head Terrace: 3rd stub between #12 & #14	Hampton	Distribution Main	1	Copper	Unlined	39	2014	0	0	0	No	0	0	0	0	0	0	0	0	0	0			
	10723982	Boars Head Terrace	Boars Head Terrace: 4th stub between #20 & #22	Hampton	Distribution Main	2	HDPE	Unlined	36	2014	0	0	0	No	0	0	0	0	0	0	0	0	0	0			
	10741801	Fifteenth St	15th St: Kings Hwy to Ocean Blvd	Hampton	Distribution Main	2	HDPE	Unlined	258	2015	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10741802	Fourteenth St	14th St: Kings Hwy to Ocean Blvd	Hampton	Distribution Main	2	HDPE	Unlined	279	2015	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10741803	Thirteenth St	13th St: Kings Hwy to Ocean Blvd	Hampton	Distribution Main	2	HDPE	Unlined	236	2015	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10741804	Eleventh St	11th St: Kings Hwy to Ocean Blvd	Hampton	Distribution Main	2	HDPE	Unlined	308	2015	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10742472	Hampton Meadows	Hampton Meadows	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	209	1998	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10742473	Hampton Meadows		Hampton	Distribution Main	8	Ductile-iron	Cement-lined	209	1998	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10742474	Hampton Meadows	Hampton Meadows	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	197	1998	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10742475	Hampton Meadows	Hampton Meadows	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	196	1998	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10742476	Hampton Meadows		Hampton	Distribution Main	6	Ductile-iron	Cement-lined	192	1998	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10742477	Hampton Meadows		Hampton	Distribution Main	6	Ductile-iron	Cement-lined	166	1998	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10742478	Hampton Meadows		Hampton	Distribution Main	8	Ductile-iron	Cement-lined	295	1998	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10742479	Hampton Meadows		Hampton	Distribution Main	8	Ductile-iron	Cement-lined	510	1998	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10742480	Hampton Meadows		Hampton	Distribution Main	8	Ductile-iron	Cement-lined	206	1998	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10742481	Hampton Meadows		Hampton	Distribution Main	8	Ductile-iron	Cement-lined	205	1998	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10742482	Hampton Meadows		Hampton	Distribution Main	8	Ductile-iron	Cement-lined	611	1998	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10742483	Hampton Meadows		Hampton	Distribution Main	8	Ductile-iron	Cement-lined	251	1998	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10742484	Hampton Meadows		Hampton	Distribution Main	8	Ductile-iron	Cement-lined	313	1998	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10742485	Hampton Meadows		Hampton	Distribution Main	8	Ductile-iron	Cement-lined	27	1998	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10742487	Hampton Meadows		Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,166	1998	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10742488	Hampton Meadows		Hampton	Distribution Main	8	Ductile-iron	Cement-lined	277	1998	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10742489	Hampton Meadows		Hampton	Distribution Main	8	Ductile-iron	Cement-lined	277	2001	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10742490	Hampton Meadows		Hampton	Distribution Main	8	Ductile-iron	Cement-lined	277	1998	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10742491	Hampton Meadows		Hampton	Distribution Main	8	Ductile-iron	Cement-lined	277	2001	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10742492	Hampton Meadows		Hampton	Distribution Main	8	Ductile-iron	Cement-lined	277	2001	0	0	0		0	0	0	0	0	0	0	0	0	0			
	10742493	Hampton Meadows		Hampton	Distribution Main	8	Ductile-iron	Cement-lined	11	1998	-	-	0		0	0	-	-	0	0	0	0	0	0			
	10006302	Old Locke Rd	Old Locke Rd: Chapel Rd - AC pipe	North Hampton	Distribution Main	6	Cast-iron	Cement-lined	1,127	1935	0	0	0		2014	0	0	1	2	0	0	0	-4	-1			
	10006331	Woodland Road	Woodland Rd: Atlantic Ave - River Rd	North Hampton	Distribution Main	6	Asbestos-cement	Unlined	602	1951	0	0	0		2014	0	0	0	2	0	0	0	-4	-1			
	10006997	Central Road	Central Rd: Red Mill Ln to Red Mill Ln	Rye	Transmission Main	8	Cast-iron	Cement-lined	833	1958	1	0	0		2014	1	0	0	2	0	0	0	-4	-1			
	10010972	Woodland Rd	Woodland Rd: Maple Rd - River Rd	North Hampton	Distribution Main	6	Asbestos-cement	Unlined	627	1951	0	0	0		2014	0	0	0	2	0	0	0	-4	-1			
	10810000	River Rd	River Rd: south end off Woodland Rd	North Hampton	Distribution Main	6	Asbestos-cement	Unlined	757	1956	0	0	0		2014	0	0	0	2	0	0	0	-4	-1			
	10698820	Central Road	Central Rd: Perkins Rd to Red Mill Ln	Rye	Transmission Main	8	Cast-iron	Cement-lined	1,823	1958	1	0	0		2014	1	0	0	2	0	0	0	-4	-1			
	10006789	Central Road	Central Rd: between 2 South Rd mains west	Rye	Transmission Main	8	Cast-iron	Unlined	21	1958	0	0	0		2014	0	0	0	2	0	0	1	-4	-1			

CM-2 List of Water Mains

Year	SAPID	Street	Description	Town	Class	Size (in)	Material	Lining	Length (ft)	Installed	Breaks	Hydraulic	Critical Customer	Bleeder	Paving Year	Main Breaks	Bleeder?	Pipe Age	Pipe Material	Hydraulic	Critical Customer	Lining	Schedule	Total	Estimated Cost Low	Estimated Cost High	Comments
	10006815	Central Road	Central Rd: between 2 South Rd mains east	Rye	Transmission Main	8	Cast-iron	Unlined	46	1958	0	0	0		2014	0	0	0	2	0	0	1	-4	-1			
	10006825	Fairway Drive	Fairway Dr: South Rd to cross country	Rye	Distribution Main	8	Cast-iron	Cement-lined	396	1973	0	0	0		2013	0	0	0	2	0	0	0	-3	-1			
	10007174	South Road	South Rd: Central Rd to Ocean Blvd	Rye	Distribution Main	8	Cast-iron	Cement-lined	2,393	1958	0	0	0		2013	0	0	0	2	0	0	0	-3	-1			
	10007303	Central Road	Central Rd: Causeway Rd to South Rd	Rye	Transmission Main	8	Cast-iron	Unlined	1,000	1958	0	0	0		2014	0	0	0	2	0	0	1	-4	-1			
	10007314	Central Road	Central Rd: Sea Rd to South Rd CI segment	Rye	Transmission Main	8	Cast-iron	Unlined	929	1958	0	0	0		2014	0	0	0	2	0	0	1	-4	-1			
	10010554	Ocean Blvd	Ocean Blvd: GV0706 south to H549	North Hampton	Distribution Main	6	Cast-iron	Cement-lined	334	1958	0	0	0		2013	0	0	0	2	0	0	0	-3	-1			
	10010723	Ocean Blvd	Ocean Blvd: off Willow Ave	North Hampton	Distribution Main	6	Cast-iron	Cement-lined	540	1961	0	0	0		2013	0	0	0	2	0	0	0	-3	-1			
	10010822	Ocean Blvd	Ocean Blvd: Atlantic Ave south to GV0706	North Hampton	Distribution Main	6	Cast-iron	Cement-lined	30	1958	0	0	0		2013	0	0	0	2	0	0	0	-3	-1			
	10010830	Ocean Blvd	Ocean Blvd: Willow Ave to Willow PRV	North Hampton	Distribution Main	8	Cast-iron	Cement-lined	41	1958	0	0	0		2013	0	0	0	2	0	0	0	-3	-1			
	10697121	Ocean Blvd	Ocean Blvd: Cable Rd Ext to Old Beach Rd	Rye	Distribution Main	8	Cast-iron	Cement-lined	171	1961	0	0	0		2013	0	0	0	2	0	0	0	-3	-1			
	10698831	Cable Road	Cable Rd: Ocean Blvd to Surf Ln	Rye	Transmission Main	8	Cast-iron	Cement-lined	568	1961	0	0	0		2013	0	0	0	2	0	0	0	-3	-1			
	10006756	Central Road	Central Rd: Causeway Rd to Ocean Blvd	Rye	Distribution Main	8	Ductile-iron	Cement-lined	1,087	1991	0	0	0		2011	0	0	0	0	0	0	0	-1	-1			
	10010261	Watsons Lane	Watsons Ln: west end double main to Lafayette Rd	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	125	1985	0	0	2		2013	0	0	0	0	0	2	0	-3	-1			
	10010359	Watsons Lane	Watsons Ln: north pipe of double main	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	776	1985	0	0	2		2013	0	0	0	0	0	2	0	-3	-1			
	10006132	Hampshire Drive	Hampshire Dr: Arden Ave to Kimberly Dr	North Hampton	Distribution Main	8	Cast-iron	Cement-lined	722	1967	0	0	0		2014	0	0	0	2	0	0	0	-4	-2			
	10007467	Central Road	Central Rd: Sea Rd to South Rd CICL segment	Rye	Transmission Main	8	Cast-iron	Cement-lined	67	1958	0	0	0		2014	0	0	0	2	0	0	0	-4	-2			
	10619100	Willow Ave	Willow Ave: Chapel Rd - Ocean Blvd	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	904	1971	0	2	0		2014	0	0	0	0	2	0	0	-4	-2			
	10697193	Central Road	Central Rd: Red Mill Ln to Sea Rd	Rye	Transmission Main	8	Cast-iron	Cement-lined	362	1959	0	0	0		2014	0	0	0	2	0	0	0	-4	-2			
	10006828	Cable Road	Cable Rd: Fielding Way to Pine St	Rye	Transmission Main	12	Ductile-iron	Cement-lined	855	1987	0	0	0		2013	0	0	1	0	0	0	0	-3	-2			
	10741787	Ocean Blvd	Ocean Blvd: HDPE segment south of PRV	Hampton	Distribution Main	12	HDPE	Unlined	400	2014	0	0	2		2014	0	0	0	0	0	2	0	-4	-2			
	10741788	Ocean Blvd	Ocean Blvd: DI segment between HDPE segments	Hampton	Distribution Main	12	HDPE	Unlined	400	2014	0	0	2		2014	0	0	0	0	0	2	0	-4	-2			
	10741789	Ocean Blvd	Ocean Blvd: HDPE segment north of H093	Hampton	Distribution Main	12	HDPE	Unlined	400	2014	0	0	2		2014	0	0	0	0	0	2	0	-4	-2			
	10741790	Ocean Blvd	Ocean Blvd: DI segment at H093	Hampton	Distribution Main	12	HDPE	Unlined	400	2014	0	0	2		2014	0	0	0	0	0	2	0	-4	-2			
	10741791	Ocean Blvd	Ocean Blvd: HDPE segment south of H093	Hampton	Distribution Main	12	HDPE	Unlined	400	2014	0	0	2		2014	0	0	0	0	0	2	0	-4	-2			
	10741792	Ocean Blvd	Ocean Blvd: DI segment at H037	Hampton	Distribution Main	12	HDPE	Unlined	400	2014	0	0	2		2014	0	0	0	0	0	2	0	-4	-2			
	10741793	Ocean Blvd	Ocean Blvd: HDPE segment south of H037	Hampton	Distribution Main	12	HDPE	Unlined	400	2014	0	0	2		2014	0	0	0	0	0	2	0	-4	-2			
	10741794	Ocean Blvd	Ocean Blvd: HDPE segment north of Dumas Ave	Hampton	Distribution Main	12	HDPE	Cement-lined	400	2014	0	0	2		2014	0	0	0	0	0	2	0	-4	-2			
	10006007	Birch Road	Birch Rd: Evergreen Rd to V 1000 8638	North Hampton	Distribution Main	8	Cast-iron	Cement-lined	82	1970	0	0	0		2015	0	0	0	2	0	0	0	-5	-3			
	10010691	Birch Road	Birch Rd: Evergreen Rd to Woodridge Rd	North Hampton	Distribution Main	8	Cast-iron	Cement-lined	718	1970	0	0	0		2015	0	0	0	2	0	0	0	-5	-3			
	10007049	Ocean Blvd	Ocean Blvd: Atlantic Ave to end	Rye	Distribution Main	8	Ductile-iron	Cement-lined	295	1971	0	0	0		2013	0	0	0	0	0	0	0	-3	-3			
	10007293	Cable Road	Cable Rd: Central Rd to Huntervale Ave east	Rye	Transmission Main	12	Ductile-iron	Cement-lined	385	1988	0	0	0		2013	0	0	0	0	0	0	0	-3	-3			
	10007390	Ocean Blvd	Ocean Blvd: Central Rd south 560 ft to CI segment	Rye	Distribution Main	8	Ductile-iron	Cement-lined	557	1971	0	0	0		2013	0	0	0	0	0	0	0	-3	-3			
	10010349	Watsons Lane	Watsons Ln: east end from double main to Mill Rd	Hampton	Distribution Main	12	Ductile-iron	Cement-lined	187	1985	0	0	0		2013	0	0	0	0	0	0	0	-3	-3			
	10010993	Ocean Blvd	Ocean Blvd: off Sea Rd	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	145	1971	0	0	0		2013	0	0	0	0	0	0	0	-3	-3			
	10697107	Ocean Blvd	Ocean Blvd: Central Rd to Church Rd	Rye	Distribution Main	8	Ductile-iron	Cement-lined	521	2000	0	0	0		2013	0	0	0	0	0	0	0	-3	-3			
	10697108	Ocean Blvd	Ocean Blvd: Church Rd to South Rd	Rye	Distribution Main	8	Ductile-iron	Cement-lined	231	2000	0	0	0		2013	0	0	0	0	0	0	0	-3	-3			
	10697111	Ocean Blvd	Ocean Blvd: 2012 main break	Rye	Distribution Main	8	Ductile-iron	Cement-lined	24	2012	0	0	0		2013	0	0	0	0	0	0	0	-3	-3			
	10698827	Cable Road	Cable Rd: Fielding Way to Huntervale Ave	Rye	Transmission Main	12	Ductile-iron	Cement-lined	206	1988	0	0	0		2013	0	0	0	0	0	0	0	-3	-3			
	10006752	Causeway Road	Causeway Rd: Ocean Blvd to Old Locke Rd	Rye	Distribution Main	8	Ductile-iron	Cement-lined	1,077	1971	1	0	0		2015	1	0	0	0	0	0	0	-5	-4			
	10006261	North Road	North Rd: Cherry Rd to Post Rd	North Hampton	Transmission Main	12	Ductile-iron	Cement-lined	1,879	1980	0	0	0		2014	0	0	0	0	0	0	0	-4	-4			
	10006361	River Rd	River Road: opposite Maple Rd	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	295	1970	0	0	0		2014	0	0	0	0	0	0	0	-4	-4			
	10006523	Willow Avenue	Willow Ave: V 1000 8747 to V 1000 8736	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	276	1971	0	0	0		2014	0	0	0	0	0	0	0	-4	-4			
	10009602	Auburn Avenue	Auburn Ave: Auburn Ave Ext to end	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	284	2012	0	0	0		2014	0	0	0	0	0	0	0	-4	-4			
	10006414	Auburn Avenue	Auburn Ave: PVC to Auburn Ave Ext	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	181	2012	0	0	0		2014	0	0	0	0	0	0	0	-4	-4			
	10006638	Auburn Avenue Extension	Auburn Ave Ext: Auburn Ave to Perkins Ave	Hampton	Distribution Main	4	Ductile-iron	Cement-lined	252	2013	0	0	0		2014	0	0	0	0	0	0	0	-4	-4			
	10009406	Perkins Avenue	Perkins Ave: Auburn Ave Ext to end	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	325	2013	0	0	0		2014	0	0	0	0	0	0	0	-4	-4			
	10010815	North Road	North Rd: Cherry Rd to Highlander Dr	North Hampton	Transmission Main	12	Ductile-iron	Cement-lined	1,232	1980	0	0	0		2014	0	0	0	0	0	0	0	-4	-4			
	10010930	Willow Ave	Willow Ave: Chapel Rd to V 1000 8736	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,479	1971	0	0	0		2014	0	0	0	0	0	0	0	-4	-4			
	10011001	North Road	North Rd: Birch Rd to Highlander Dr	North Hampton	Transmission Main	12	Ductile-iron	Cement-lined	1,015	1980	0	0	0		2014	0	0	0	0	0	0	0	-4	-4			
	10011044	Woodland Rd	Woodland Rd: Cotton Farm Ln - Maple Rd	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	17	1971	0	0	0		2014	0	0	0	0	0	0	0	-4	-4			
	10618921	Woodland Rd	Woodland Rd: Cotton Farm Ln - dead end	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	119	1971	0	0	0		2014	0	0	0	0	0	0	0	-4	-4			
	10696712	Litchfield Lane	Litchfield Ln: off Juniper Ln	Hampton	Distribution Main	8	Ductile-iron	Cement-lined	548	2013	0	0	0		2014	0	0	0	0	0	0	0	-4	-4			
	10697046	North Road	North Rd: Birch Rd to Lafayette Rd	North Hampton	Transmission Main	12	Ductile-iron	Cement-lined	2,037	1980	0	0	0		2014	0	0	0	0	0	0	0	-4	-4			
	10697047	North Road	North Rd: Lafayette Rd to Park Cir	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	2,796	1986	0	0	0		2014	0	0	0	0	0	0	0	-4	-4			
	10697048	North Road	North Rd: Boutelier Ln to Park Cir	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	241	1980	0	0	0		2014	0	0	0	0	0	0	0	-4	-4			
	10697049	North Road	North Rd: Boutelier Ln to Rye line	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	62	1980	0	0	0		2014	0	0	0	0	0	0	0	-4	-4			
	10620047	Perkins Avenue	Perkins Ave: Ashworth Ave to Auburn Ave Ext	Hampton	Distribution Main	6	Ductile-iron	Cement-lined	175	2012	0	0	0		2014	0	0	0	0	0	0	0	-4	-4			
	10700105	Huckleberry Lane	Huckleberry Ln: GV1226 to end	Hampton	Distribution Main	2	PVC	Unlined	545	2010	0	0	0		2014	0	0	0	0	0	0	0	-4	-4			
	10006017	Birch Road	Birch Rd: North Rd to V 1000 8638	North Hampton	Distribution Main	12	Ductile-iron	Cement-lined	728	1986	0	0	0		2015	0	0	0	0	0	0	0	-5	-5			

CM-2 List of Water Mains

Year	SAPID	Street	Description	Town	Class	Size (in)	Material	Lining	Length (ft)	Installed	Breaks	Hydraulic	Critical Customer	Bleeder	Paving Year	Main Breaks	Bleeder?	Pipe Age	Pipe Material	Hydraulic	Critical Customer	Lining	Schedule	Total	Estimated Cost Low	Estimated Cost High	Comments
	10006409	Ship Road Road	Ship Rock Rd: V 1000 7537 north to Woodland Rd	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,961	1986	0	0	0		2015	0	0	0	0	0	0	0	-5	-5			
	10006530	Ship Rock Road	Ship Rock Rd: V 1000 7537 south to Woodland Rd	North Hampton	Distribution Main	8	Ductile-iron	Cement-lined	1,862	1986	0	0	0		2015	0	0	0	0	0	0	0	-5	-5			
	10741807	Rose Ave	Rose Ave: Ocean Blvd to crossover	Hampton	Distribution Main	8	Ductile-iron	Unlined	284	2015	0	0	0		2015	0	0	0	0	0	0	0	-5	-5			
	10741808	Rose Ave	Rose Ave: H161 to crossover	Hampton	Distribution Main	8	Ductile-iron	Unlined	270	2015	0	0	0		2015	0	0	0	0	0	0	0	-5	-5			
	10741809	Rose Ave	Rose Ave: H181 to end	Hampton	Distribution Main	2	HDPE	Unlined	82	2015	0	0	0		2015	0	0	0	0	0	0	0	-5	-5			

AQUARION WATER COMPANY OF NEW HAMPSHIRE
WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT

CONTACT:	Carl McMorran, Operations Manager cmcmorran@aquarionwater.com 603-926-3319 ext 116
Contents:	
Project Summary	Estimated capital expenses by major category All projected figures for 2016-2018 are estimates.
Hydrants	Aquarion has historically replaced 2 hydrants per year, on average.
Services	Aquarion has historically replaced 5 services per year, on average.
Main Replacements	Main replacements are prioritized based on GIS information. As of this date, the distribution system is separated into 1,291 pipe segments. Each segment is rated on each of the categories described below. Most ratings are based on a scale of 0 (low) to 3 (high); exceptions are noted below. The ratings for each category are summed to produce an overall rating for each pipe segment as shown in CM-2. The highest rated pipe segments are scheduled for replacement.
PRIMARY FACTORS	
Bleeder (Non-revenue water)	3 - Main requires a bleeder to prevent freezing 0 - Main does not require a bleeder to prevent freezing
Hydraulic Capacity	3 - Hydrants do not provide satisfactory fire flow rates 2 - Hydraulic model indicates less than expected flow rates with little redundancy (i.e., parallel mains) 1 - Hydraulic model indicates less than expected flow rates with some redundancy 0 - Hydrants provide satisfactory fire flow rates
Main Break History Ratings	One point per break.
Pipe Material Ratings	3 - Galvanized Steel (GS) 3 - Universal Pipe (UP) 3 - Lead joint (LJ) 3 - Asbestos-cement (AC) 2 - Cast iron 0 - Copper (CU) 0 - Ductile iron (DI) 0 - High density polyethylene (HDPE) 0 - Plastic wrapped ductile iron (PWDI) 0 - Poly-vinyl-chloride (PVC) 0 - Unknown (UNK)
Pipe Age / Useful Life Ratings	3 - Installed in 1915 or sooner 2 - Installed between 1916 and 1925 1 - Installed between 1926 and 1940 0 - Installed after 1940
SECONDARY FACTORS	
Critical System Component Ratings	3 - Primary transmission line w/ no redundancy 2 - Primary transmission line w/ redundancy 1 - Secondary transmission line 0 - Regular distribution main
Lining	1 - unlined cast iron
Scheduled Work Coordination	3 - Paving or excavation projects by others scheduled in next two years 2 - Paving or excavation projects by others scheduled in next three or four years 1 - Paving or excavation projects by others scheduled in more than four years 1 - Adjacent to another high scoring pipe segment 0 - No other scheduled projects -1 - Street was paved five years ago -2 - Street was paved four years ago -3 - Street was paved three years ago -4 - Street was paved two years ago -5 - Street was paved one year ago
Staff Concerns / Other Factors	Staff judgment is simply a way of expressing subjective factors that can have a large impact on projects. Some examples are to avoid disrupting the same neighborhood in consecutive years and choosing to postpone a project for more time to evaluate alternative replacement methods.
Budget Constraints	Execution of top priority main replacement projects may not leave enough funding for the runner up projects, so lower scoring and lower cost projects may be done instead.
Water Quality Issues	Dropped because water quality problems cannot be reliably linked to individual main segments. Most water quality issues have been traced back to source wells, not mains. Even water quality tuberculated mains tends to show up somewhere downstream of the source.
Main Replacement Project Management	Some main replacement projects are split into design and construction phases. Due to the amount of time required for surveys, design, permitting and other design phase factors, these activities are typically scheduled for the year prior to construction. Attempts to squeeze design and construction into a single calendar year have caused scheduling and budgeting problems. The design phase typically cannot be completed early enough in the year to allow for a sufficient construction period with respect to cold weather, road opening bans and year end accounting constraints.
Control Valves	Includes pressure reducing valves and other control valves; none are currently scheduled for replacement, but a breakdown or failure could occur that would require a replacement.
Valves	Aquarion has historically replaced 1 valve per year, on average.
Production Meters	Replacement / capitalized repairs of production meters is performed on an as needed basis when routine calibration show that the meters are not functioning accurately. Sometimes these replacements can be scheduled in advance when included as part of a pumping station upgrade.

Aquarion Water Company of New Hampshire
Water Conservation and Infrastructure Adjustment Project Summary

	Actual completed thru 30-Sep-15	Projected thru 30-Jun-16 Low	Projected thru 30-Jun-16 High	Projected thru 30-Sep-17 Low	Projected thru 30-Sep-17 High	Projected thru 30-Sep-18 Low	Projected thru 30-Sep-18 High	Project Low
MAIN REPLACEMENTS								
Ross Avenue	$ 178,087.47							
Kings Hwy - 11th to 15th St	$ 397,822.37							
Great Boars Head - Cliff Circle to Ocean Blvd	$ 169,732.80							
Lafayette Rd: H068 to Park Ave (south)		$ 89,000	$ 121,000					$ 89,000
Lafayette Rd: H068 to Park Ave (north)		$ 62,000	$ 84,000					$ 62,000
Lafayette Rd: Park Ave (north) to Stickney Terr		$ 53,000	$ 72,000					$ 53,000
Lafayette Rd: Stickney Terr to Winnacunnet Rd		$ 180,000	$ 245,000					$ 180,000
Manchester St: off Ashworth Ave		$ 100,000	$ 136,000					$ 100,000
North Shore Rd: Cusack Rd to Quinlan Ln		$ 199,000	$ 271,000					$ 199,000
Sunsurf Ave: off Cliff Ave		$ 80,000	$ 108,000					$ 80,000
High Street: east of Mill Pond Lane				$ 224,000	$ 332,000			$ 224,000
Winnacunnet Rd: Lafayette Rd to Towle Av				$ 162,000	$ 232,000			$ 162,000
Shop Road: transmission main				$ 312,000	$ 503,000			$ 312,000
King's Hwy: 6th St - 8th St						$ 106,000	$ 166,000	$ 106,000
King's Hwy: 8th St - 11th St						$ 155,000	$ 241,000	$ 155,000
King's Hwy: Gill St - 1st St						$ 75,000	$ 117,000	$ 75,000
King's Hwy: Gill St - Redman St						$ 62,000	$ 97,000	$ 62,000
King's Hwy: Redcoat Ln - 30 Kings condos						$ 88,000	$ 137,000	$ 88,000
6th, 7th, 8th, 9th & 10th Streets						$ 146,000	$ 210,000	$ 146,000
CONTROL VALVES	$ -							
PRODUCTION METERS	$ -		$ 7,000		$ 7,000		$ 7,000	
HYDRANTS	$ 9,223.91		$ 12,000		$ 12,000		$ 12,000	
SERVICE LINES	$ 18,909.84		$ 29,000		$ 29,000		$ 29,000	
VALVES	$ -		$ 5,000		$ 5,000		$ 5,000	
Hydrant / Service Line / Valve Threshold	$ (50,000.00)		$ 50,000		$ 50,000		$ 50,000	
Hydrant / Service Line / Valve Net	$ -		$ -		$ -		$ -	
ANNUAL TOTALS	$ 745,642.64	$ 763,000	$ 1,044,000	$ 698,000	$ 1,074,000	$ 632,000	$ 975,000	$ 2,093,000

Aquarion Water Company of New Hampshire
WICA Hydrant Replacements

Account 335

COMPLETED PROJECTS			1-Oct-14	to	30-Sep-15	
Hydrant #		Location	Town	Number	Project Cost	Completion Date
H263	Drakeside Road at Hampton Meadows		Hampton		$ 7,729.44	07/16/2015
H530	Mill Road at house #71		North Hampton		$ 1,494.47	04/15/2015
			TOTAL	-	$ 9,223.91	

PROPOSED PROJECTS						
Hydrant Replacements			Town	Number	Average Annual Cost	Completion Date
1-Oct-15	to	30-Sep-16	To be determined	2	$ 12,000	30-Sep-2016
1-Oct-16	to	30-Sep-17	To be determined	2	$ 12,000	30-Sep-2017
1-Oct-17	to	30-Sep-18	To be determined	2	$ 12,000	30-Sep-2018
			TOTAL	6	$ 36,000	

Comments

Hydrant replacements are not scheduled more than a year in advance because hydrants are not replaced unless identified as malfunctioning during hydrant maintenance activities.

Aquarion Water Company of New Hampshire
WICA Service Line Replacements

Account 333

COMPLETED PROJECTS		1-Oct-14	to	30-Sep-15	
Service Address	Town	Length (feet)	Diameter (inches)	Cost	Completion Date
67 Cable Road	Rye	40	3/4	$ 6,054.80	12/22/2014
74 Brown Avenue	Hampton	4	3/4	$ 6,413.17	3/17/2015
7 Whitten Avenue	Hampton	30	3/4	$ 1,849.49	7/10/2015
2 Walnut Avenue	North Hampton	35	3/4	$ 4,592.38	8/18/2015
	TOTAL	4		$ 18,909.84	

PROPOSED PROJECTS

Service Line Replacements			Town	Number		Average Annual Cost	Completion Date
1-Oct-15	to	30-Sep-16	To be determined	5		$ 29,000	30-Sep-2016
1-Oct-16	to	30-Sep-17	To be determined	5		$ 29,000	30-Sep-2017
1-Oct-17	to	30-Sep-18	To be determined	5		$ 29,000	30-Sep-2018
			TOTAL	15		$ 87,000	

Comments Service lines are not scheduled for replacement unless they are identified as leaking or defective. When identified as such, they are typically replaced as soon as possible.

Aquarion Water Company of New Hampshire
WICA Main Replacement Projects

Account 331

Project	Town	Material	Length (feet)	Diameter (inches)	Total Cost/ Estimated Costs	Actual thru Sep 30, 2015	Projected Sep 30, Low	thru 2016 High	Projected Low	2017 High	Projected Low	2018 High	Prioritization Factors
Ross Avenue	Hampton	Cast iron	700	6	$ 178,087	$ 178,087							
Kings Hwy - 11th to 15th St	Hampton	Cast iron	946	8									
11th Street	Hampton	Galvanized	200	2									
13th Street	Hampton	Galvanized	200	2	$ 397,822	$ 397,822							
14th Street	Hampton	Galvanized	200	2									
15th Street	Hampton	Galvanized	200	2									
Great Boars Head - Cliff Circle to Ocean Blvd	Hampton	Cast iron	700	8	$ 169,733	$ 169,733							
Lafayette Rd: H068 to Park Ave (south)	Hampton	Cast iron	406	6	$ 89,000 to $ 121,000		$ 89,000	$ 121,000					Hydraulic deficiencies Main breaks Critical customers
Lafayette Rd: H068 to Park Ave (north)	Hampton	Cast iron	280	6	$ 62,000 to $ 84,000		$ 62,000	$ 84,000					Hydraulic deficiencies Main breaks Critical customers
Lafayette Rd: Park Ave (north) to Stickney Terr	Hampton	Cast iron	240	6	$ 53,000 to $ 72,000		$ 53,000	$ 72,000					Hydraulic deficiencies Main breaks Critical customers
Lafayette Rd: Stickney Terr to Winnacunnet Rd	Hampton	Cast iron	820	6	$ 180,000 to $ 245,000		$ 180,000	$ 245,000					Hydraulic deficiencies Main breaks Critical customers
Manchester St: off Ashworth Ave	Hampton	AC	460	6	$ 100,000 to $ 136,000		$ 100,000	$ 136,000					Asbestos-cement pipe Bleeder Main break
North Shore Rd: Cusack Rd to Quinlan Ln	Hampton	Cast iron	910	8	$ 199,000 to $ 271,000		$ 199,000	$ 271,000					Unlined cast iron pipe Bleeder Main break
Sunsurf Ave: off Cliff Ave	Hampton	Cast iron	360	2	$ 80,000 to $ 108,000		$ 80,000	$ 108,000					Old cast-iron pipe Main breaks
High Street: east of Mill Pond Lane	Hampton	AC	1,020	10	$ 224,000 to $ 332,000				$ 224,000	$ 332,000			Asbestos-cement pipe Main breaks Transmission Main
Winnacunnet Rd: Lafayette Rd to Towle Av	Hampton	Cast iron	738	8	$ 162,000 to $ 232,000				$ 162,000	$ 232,000			Unlined cast iron pipe Hydraulic restriction Critical customers
Shop Road: transmission main	North Hampton	Cast iron	1,450	8	$ 312,000 to $ 503,000				$ 312,000	$ 503,000			Unlined cast iron pipe Transmission main Hydraulic restriction
King's Hwy: 6th St - 8th St	Hampton	Cast iron	490	8	$ 106,000 to $ 166,000						$ 106,000	$ 166,000	Unlined cast iron pipe Transmission main
King's Hwy: 8th St - 11th St	Hampton	Cast iron	720	8	$ 155,000 to $ 241,000						$ 155,000	$ 241,000	Unlined cast iron pipe Transmission main
King's Hwy: Gill St - 1st St	Hampton	Cast iron	350	8	$ 75,000 to $ 117,000						$ 75,000	$ 117,000	Unlined cast iron pipe Transmission main
King's Hwy: Gill St - Redman St	Hampton	Cast iron	290	8	$ 62,000 to $ 97,000						$ 62,000	$ 97,000	Unlined cast iron pipe Transmission main
King's Hwy: Redcoat Ln - 30 Kings condos	Hampton	Cast iron	400	8	$ 88,000 to $ 137,000						$ 88,000	$ 137,000	Unlined cast iron pipe Transmission main
6th, 7th, 8th, 9th & 10th Streets	Hampton	Galvanized	1,378	2 & 6	$ 146,000 to $ 210,000						$ 146,000	$ 210,000	Combined with adjacent King Hwy segments above to reduce total project cost.
				TOTALS		$ 745,643	$ 763,000	$ 1,037,000	$ 698,000	$ 1,067,000	$ 632,000	$ 968,000	

Aquarion Water Company of New Hampshire
WICA Control Valve Replacements

Project	Town	Estimated Cost	Actual 2013	Carryover to 2014	Projected 2014	Projected 2015	Projected 2016	Comments
None		$ -	$ -	$ -	$ -	$ -	$ -	None are currently scheduled for replacement
	TOTALS	$ -	$ -	$ -	$ -	$ -	$ -	

Aquarion Water Company of New Hampshire
WICA Valve Replacements

Account 331

A		B	C	D	E	F
COMPLETED PROJECTS			1-Oct-14	to	30-Sep-15	
Valve #		Location	Town		Actual Cost	Completion Date
		No valves replaced				
			TOTAL	-	$ -	
PROPOSED PROJECTS						
Valve Replacements			Town	Projected Number	Average Annual Cost	Completion Date
1-Oct-15	to	30-Sep-16	To be determined	1	$ 5,000	30-Sep-2016
1-Oct-16	to	30-Sep-17	To be determined	1	$ 5,000	30-Sep-2017
1-Oct-17	to	30-Sep-18	To be determined	1	$ 5,000	30-Sep-2018
			TOTAL	3	$ 15,000	

Comments Valve replacements are not scheduled more than a year in advance because valves are not replaced unless identified as malfunctioning during valve exercising activities.

Aquarion Water Company of New Hampshire
WICA Production Meter Replacements

Project	Town	Estimated Cost	Actual 2015	Projected 2016	Projected 2017	Projected 2018	Comments
No production meter replaced							
Average two production meter replacements annually	Average cost: $3,500 / meter	$ 21,000		$ 7,000	$ 7,000	$ 7,000	
	TOTALS	$ 21,000	$ -	$ 7,000	$ 7,000	$ 7,000	

AQUARION WATER COMPANY OF NEW HAMPSHIRE, INC.
DW 15-476

Aquarion Water Company's Responses to
Staff's Data Requests – Set #1

Date Request Received: November 17, 2015 Date of Response: November 30, 2015
Request No.: Staff 1-5 Witness: Carl McMorran

REQUEST: Regarding the 'Hydraulic Capacity' rating, the company's response to Staff 1-10 in DW 14-300 indicated "At this time, we are not aware of any hydrants or fire services that cannot deliver satisfactory flow rates, so all pipe segments are scored a zero." The current Att. CM-2 contains updated hydraulic ratings, based on a revised rating system. Mr. McMorran's testimony references use of a hydraulic model in this regard (p. 6, line 21 and p. 7, lines 10-12). Please indicate the extent to which the hydraulic capacity determinations in the current filing are derived from additional fire flow testing, additional hydraulic model runs, or both.

RESPONSE: The hydraulic capacity of each pipe segment is based on the hydraulic model, which is calibrated to actual operating data, including flow rates through pumps and control valves, tank levels, pressure readings and hydrant flow tests.

AQUARION WATER COMPANY OF NEW HAMPSHIRE, INC.
DW 15-476

Aquarion Water Company's Responses to
Staff's Data Requests – Set #1

Date Request Received: November 17, 2015 Date of Response: November 30, 2015
Request No.: Staff 1-6 Witness: Carl McMorran

REQUEST: Please provide a copy of the Tata & Howard "capital efficiency study" referenced on p. 6, line 20 of Mr. McMorran's testimony.

RESPONSE: For security and safety reasons, due to the sensitive nature of the critical infrastructure information (distribution piping, locations of wells, treatment facilities, pump stations and tanks etc.) contained in the "Final Capital Efficiency Plan Update November 2015" for the Aquarion Water Company's New Hampshire System, it should not be disclosed to the public. In order to protect this confidential, sensitive information while being responsive to the request, please find below some background information and a description of the study.

Tata and Howard was retained in April of 2015 to provide a Capital Efficiency Plan for Aquarion's New Hampshire System; an update to their Integrated Water Resource Plan from 2007. In July of 2015 Aquarion received the Draft Capital Efficiency Plan Update and in November of 2015 Tata and Howard completed the "Final Capital Efficiency Plan Update" for Aquarion's New Hampshire System.

The purpose of the study was to identify areas of the water distribution system in need of rehabilitation, repair, or replacement and prioritize these improvements. To do this, the hydraulic model was updated to include improvements to the system since 2007. Then the existing water infrastructure, including water transmission and distribution piping and appurtenances, were evaluated using Tata and Howards "Three Circle Approach" for optimum capital efficiency. This approach which combines hydraulic and critical components consideration with an asset management rating system to evaluate the condition of the water mains in the distribution system. The results were combined to determine the water mains most in need of replacement and establish a prioritized set of improvements in the system.

AQUARION WATER COMPANY OF NEW HAMPSHIRE, INC.
DW 15-476

Aquarion Water Company's Responses to
Staff's Data Requests – Set #1

Date Request Received: November 17, 2015 Date of Response: November 30, 2015
Request No.: Staff 1-7 Witness: Carl McMorran

REQUEST: On the first two pages of Att. CM-2, two higher ranking pipe segments (point totals of 8 and 9) have an indicated paving year of 2016 but do not appear in any proposed project lists. Please explain.

RESPONSE: Those two pipe segments with rankings of 8 and 9 that do not appear in the proposed project lists are among several dozen that had relatively high scores. Those segments with the high points for the paving category represented a large fraction of the total. The Company had to prioritize a handful of projects for 2016 to fit within its budget. Those pipe segments with higher scores for material, break history and other performance considerations were considered to be more valuable and required more immediate action than those that had more points from secondary factors such as paving schedules.

AQUARION WATER COMPANY OF NEW HAMPSHIRE, INC.
DW 15-476

Aquarion Water Company's Responses to
Technical Session Data Requests – Set #1

Date Request Received: December 15, 2014	Date of Response: December 16, 2014
Request No.: TS 1-2	Witness: Debra Kirven

REQUEST: Based on discussions during the technical meeting on December 15, 2015, the PUC staff proposed recommendations to changes in Aquarion's schedules and tariff pages. Please update the information in attachments DK-1, DK-2 and DK-3 to reflect those discussions.

RESPONSE: The Company has updated the attachment schedules based on the discussions during the technical meeting as TS 1-2 Attachment A (DK-1), TS 1-2 Attachment B (DK-2) and TS 1-2 Attachment C (DK-3). These schedules have also been updated to include the most recent tax rates received in December by the respective towns. The backup information is included as TS 1-2 Attachment D.

Aquarion Water Company of New Hampshire
2016 Annual WICA Surcharge Filing

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT
CALCULATION OF SURCHARGE

Line						Schedule Ref.		
1								
2	Total Investment through 09/30/2015					DK-1, Pg 3 Col 6b Ln 31	$	2,072,161
3								
4	Accumulated Depreciation					DK-1, Pg 3 Col 8a Ln 31		(38,172)
5								
6	Net Investment					Ln 2 + Ln 4	$	2,033,990
7								
8	Allowed Return on Rate Base					DK-1, Pg 2 Col 10		7.49%
9								
10	Allowed Return on Investment					Ln 6 x Ln 8	$	152,346
11								
12	Income Tax on Equity Component							
13								
14		(a)	(b)	(c)	(d)			
15		Weighted	Tax	Pre tax	Tax Gross Up			
16		Cost	Multiplier	Cost	Col (c) - Col (a)			
17								
18	Debt	3.58%	1.00	3.58%	0.00%			
19	Equity	3.91%	1.68	6.57%	2.66%			
20								
21		7.49%		10.15%	2.66%			
22								
23	Total Eligible Investment (Line 6 above)				$ 2,033,990			
24								
25								
26	Income Tax Expense					Ln 21 Col D X Ln 23		54,104
27								
28	Depreciation Expense					DK-1, Pg 3 Col 8 Ln 31		25,184
29								
30	Property Tax Expense					DK-1, Pg 3 Col 10 Ln 31		46,586
31								
32	Adjustment: Annual Revenues Allowed					Lines 10 + 26 + 28 + 30	$	278,220
33								
34								
35	Base Revenues on which Adjustment will be applied							
36	Revenues allowed DW 12-085						$	7,129,043
37	Misc. Charges not subject to WICA							(189,059)
38							$	6,939,984
39								
40	Surcharge Percent (Line 32 divided by Line 38)							4.01%

Aquarion Water Company of New Hampshire
2016 Annual WICA Surcharge Filing

WATER INFRASTRUCTURE & CONSERVATION ADJUSTMENT

COMPLETED PROJECTS

		1	2	3	4	5	6	7	8	9	10	11	12 = ((4-5) x 10) + 7 + 8 + 9
Line	Project Name or Class Category	Estimated Completion Date**	Actual Completion Date	Estimated Project Cost**	Actual Project Cost	Accumulated Depreciation	Project Cost minus Accumulated Depreciation	Depreciation Expense	Property Tax Expense	Income Tax Expense	Rate of Return	Annual Retail Revenues	WICA Adjustment Dollars
1													
2	**Project Surcharge Approved in DW 13-314**												
3	Production Meters	30-Sep-13	30-Sep-13	$ 18,030	$ 16,466	$ 1,221	$ 15,245	$ 488	$ 224	$ 406	7.49%	$ 7,129,043	2,260
4	Main Replacements	30-Sep-13	30-Sep-13	$ -	$ 689,856	$ 20,134	$ 669,722	$ 8,054	$ 15,149	$ 17,815	7.49%	$ 7,129,043	91,180
5	Hydrants*	30-Sep-13	30-Sep-13	$ 32,700	$ 8,147	$ 435	$ 7,712	$ 174	$ 159	$ 205	7.49%	$ 7,129,043	1,116
6	Services*	30-Sep-13	30-Sep-13	$ 80,600	$ 14,414	$ 630	$ 13,784	$ 252	$ 285	$ 367	7.49%	$ 7,129,043	1,936
7	Valves*	30-Sep-13	30-Sep-13	$ 10,800	$ 5,167	$ 646	$ 4,521	$ 258	$ 101	$ 120	7.49%	$ 7,129,043	818
8				$ 142,130	$ 734,050	$ 23,067	$ 710,983	$ 9,227	$ 15,917	$ 18,912			97,309
9													
10	**Project Surcharge Approved in DW 14-300**												
11	Production Meters	30-Sep-14	30-Sep-14	$ 1,600	$ 3,044	$ 184	$ 2,860	$ 122	$ 65	$ 76	7.49%	$ 7,129,043	477
12	Main Replacements	30-Sep-14	30-Sep-14	$ 937,968	$ 593,603	$ 10,506	$ 583,097	$ 7,004	$ 13,581	$ 15,510	7.49%	$ 7,129,043	79,769
13				$ 939,568	$ 596,646	$ 10,689	$ 585,957	$ 7,126	$ 13,646	$ 15,586			80,247
14													
15	**Project Surcharge Proposed Herein**												
16	Main Replacements	30-Sep-15	30-Sep-15	$ 741,465	$ 741,465	$ 4,416	$ 737,049	$ 8,831	$ 17,023	$ 19,606	7.49%	$ 7,129,043	100,665
17				$ 741,465	$ 741,465	$ 4,416	$ 737,049	$ 8,831	$ 17,023	$ 19,606			100,665
18													
19													
20	**TOTALS**			$ 1,823,163	$ 2,072,161	$ 38,172	$ 2,033,990	$ 25,184	$ 46,586	$ 54,104			$ 278,220
21													
22	* Emergency Replacement												
23	* * Per Docket Filing DW 14-300												

Aquarion Water Company of New Hampshire
2016 Annual WICA Surcharge Filing

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT
ELIGIBLE PROJECTS PLACED IN SERVICE

Line	Description of Project Street	Town	1 PUC Acct	2 Depr Rate	3 Type of Project**	4 Date in Service	5 Date of 1st Filing	6a Total Capital Costs	6b Eligible Capital Costs	7a Total Retirements	7b Eligible Retirements	8 = (6b - 7b) x 2 Depreciation Expense	8a = 8 x 50% Accumulated Depreciation	9 Mil Rates Town	State	Total	10 = (((6b-7b-8a)/1000) x 12) Prop. Tax Expense
1																	
2	**Project Surcharge Approved in DW 13-314**																
3																	
4	Production Meters	Rye	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 3,432	$ 3,432	$ 3,033	$ 3,033	$ 18	$ 44	8.44	6.60	15.04	$ 5
5	Production Meters	North Hampton	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 4,511	$ 4,511	$ 2,331	$ 2,331	$ 96	$ 240	15.01	6.60	21.61	$ 42
6	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 8,522	$ 8,522	$ -	$ -	$ 375	$ 937	16.67	6.60	23.27	$ 177
7	Church Street-Highland Avenue to Williams Street	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 133,335	$ 133,335	$ 6,243	$ 6,243	$ 1,525	$ 3,813	16.67	6.60	23.27	$ 2,869
8	Auburn Avenue	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 206,750	$ 206,750	$ 10,346	$ 10,346	$ 2,357	$ 5,892	16.67	6.60	23.27	$ 4,433
9	Auburn Avenue Extension	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 85,554	$ 85,554	$ 359	$ 359	$ 1,022	$ 2,556	16.67	6.60	23.27	$ 1,923
10	Perkins Avenue	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 264,216	$ 264,216	$ 1,760	$ 1,760	$ 3,149	$ 7,874	16.67	6.60	23.27	$ 5,924
11	Hydrants*	Hampton	348	2.40%	Hydrants	9/30/2013	10/31/2013	$ 22,839	$ 8,147	$ 2,498	$ 891	$ 174	$ 435	16.67	6.60	23.27	$ 159
12	Services*	Hampton	345	1.85%	Services	9/30/2013	10/31/2013	$ 33,941	$ 12,108	$ 1,994	$ 711	$ 211	$ 527	16.67	6.60	23.27	$ 253
13	Services*	Rye	345	1.85%	Services	9/30/2013	10/31/2013	$ 6,464	$ 2,306	$ 230	$ 82	$ 41	$ 103	8.44	6.60	15.04	$ 32
14	Valves*	Hampton	349	5.00%	Other T&D Plant	9/30/2013	10/31/2013	$ 6,351	$ 2,265	$ -	$ -	$ 113	$ 283	16.67	6.60	23.27	$ 46
15	Valves*	North Hampton	349	5.00%	Other T&D Plant	9/30/2013	10/31/2013	$ 8,133	$ 2,901	$ -	$ -	$ 145	$ 363	15.01	6.60	21.61	$ 55
16								$ 784,050	$ 734,050	$ 28,794	$ 25,757	$ 9,227	$ 23,067				$ 15,917
17	**Project Surcharge Approved in DW 14-300**																
18																	
19	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2014	10/31/2014	$ 3,044	$ 3,044	$ 264	$ 264	$ 122	$ 184	16.67	6.60	23.27	$ 65
20	Well 9 Transmission Main	Hampton	343	1.20%	Main Replacement	9/30/2014	10/31/2014	$ 57,506	$ 57,506	$ 3,160	$ 3,160	$ 652	$ 978	16.67	6.60	23.27	$ 1,265
21	Ocean Boulevard- Dumas Ave to Winnacunnet Rd	Hampton	343	1.20%	Main Replacement	9/30/2014	10/31/2014	$ 536,096	$ 536,096	$ 6,801	$ 6,801	$ 6,352	$ 9,527	16.67	6.60	23.27	$ 12,317
22								$ 596,646	$ 596,646	$ 10,225	$ 10,225	$ 7,126	$ 10,689				$ 13,646
23	**Project Surcharge Proposed Herein**																
24																	
25	Great Boars Head - Cliff Circle to Ocean Blvd	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$169,733	$ 169,733	$551	$ 551	$ 2,030	$ 1,015	16.67	6.60	23.27	$ 3,913
26	Kings Hwy - 11th, 13th, 14th & 15th St	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$385,374	$ 385,374	$2,324	$ 2,324	$ 4,597	$ 2,298	16.67	6.60	23.27	$ 8,860
27	Ross Avenue	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$186,358	$ 186,358	$2,637	$ 2,637	$ 2,205	$ 1,102	16.67	6.60	23.27	$ 4,250
28								$ 741,465	$ 741,465	$ 5,512	$ 5,512	$ 8,831	$ 4,416				$ 17,023
29																	
30																	
31							**TOTALS**	$ 2,122,161	$ 2,072,161	$ 44,532	$ 41,494	$ 25,184	$ 38,172				$ 46,586
32									to DK-1, Pg 1, Ln 2			to DK-1, Pg 1, Ln 28	to DK-1, Pg 1, Ln 4				to DK-1, Pg 1, Ln 30

***Total capital costs are reduced by $50,000 proportionately per Order No. 25,539. Retirements are also proportionately reduced.**
**** Type of Project (designations will be given for various types of projects)**

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT

In addition to the net charges provided for in this Tariff, a Water Infrastructure and Conservation Adjustment ("WICA") surcharge of ~~*2.5386*~~*4.01*% will apply to all bills with services rendered on or after January 1, ~~2015~~2016.

I. General Description

Purpose: To recover the fixed costs (depreciation, property taxes and pre-tax return) of certain Commission-approved non-revenue producing system improvement projects completed and placed in service and to be recorded in the individual accounts, as noted below, between base rate cases. In addition, WICA provides the Company with the resources to accelerate asset replacement for infrastructure for the purpose of improving or protecting water quality and the reliability of service and to comply with evolving regulatory requirements imposed by the Safe Drinking Water Act.

Eligible Property: The WICA-eligible property will consist of the following:

Services over and above an annual; $50,000 threshold (account 333) and hydrants (account 335) installed as in-kind (i.e., same size) replacements for customers;

mains and valves (account 331) installed as replacements for existing facilities that have either reached the end of their useful life, are worn out or are in deteriorated condition,

main cleaning and re-lining projects and relocations that are non-reimbursable (account 331);

replacement of production meters (account 304); and

replacement of pressure reducing valves (accounts 309, 331);

II. Computation of the WICA

Calculation: The initial charge, effective January 1, 2011, will be calculated to recover the fixed costs of eligible plant additions that have not previously been reflected in the Company's rate base and will have been placed in service between January 1, 2010 and September 30, 2010. Thereafter, the WICA will be updated on an annual basis to reflect eligible plant additions placed in service during the twelve month period ending three months prior to the effective date of each WICA update (the "Project Year"). Thus, changes in the WICA rate will occur as follows:

Issued: ~~March 11, 2015~~January 1, 2016 Issued by:__________________________
Donald Morrissey

Effective: January 1, ~~2015~~ 2016 Title: Chief Financial Officer________
As authorized in order ~~25,751~~XX,XXX in Case DW ~~14-300~~15-~~XXX~~476

Effective Date Of WICA Change	Date To Which WICA Eligible Plant Additions Reflected
January 1, 2XXX+1	September 30, 2XXX

The fixed costs of eligible infrastructure system improvement projects will consist of depreciation, property taxes and pre-tax return, calculated as follows:

Depreciation: The depreciation expense will be calculated by applying the depreciation rates employed in the Company's last base rate case for the plant accounts to the original cost of WICA-eligible property minus the corresponding retirement unit recorded.

Property Taxes: ~~For the first year that a WICA for any particular project is in effect, t~~The property tax expense will reflect an estimate of the tax expense for such projects based on ~~the tax rate then in effect. If such property taxes will be due for only a portion of the calendar year, then the WICA for the first year shall reflect only the property taxes projected to be paid. For the second and subsequent years that a WICA for those projects is in effect, the WICA shall be determined using~~ the property tax rate in effect for each town at the end of the most recent P~~p~~roject Y~~y~~ear completed (the "tax rate"), and shall be applied to the cumulative P~~p~~roject Y~~y~~ear ending net book value of all eligible WICA projects included from the first P~~p~~roject Y~~y~~ear thru the end of the most recent P~~p~~roject Y~~y~~ear.~~taxes due and owing for such projects based on the tax bill for a full tax year. The WICA shall not be adjusted in subsequent years, regardless of any change in the taxes originally assessed~~.

Pre-tax return: The pre-tax return will be calculated using the state and federal income tax rates. The cost of equity and debt will be the rates approved in the Company's last base rate case, DW 08-098, or a subsequent docket.

WICA Surcharge Amount: The charge will be expressed as a percentage carried to ~~four~~ two decimal places and will be applied to the effective portion of the total amount billed to each customer under the Company's otherwise applicable rates and charges.

Formula: The formula for calculation of the WICA surcharge is as follows:

WICA= (ISI x PTRR) + Dep + PT

BRWR

Where:

Issued: ~~September 25, 2009~~January 1, 2016 Issued by:________________________

Donald Morrissey

Effective: ~~September 25, 2009~~January 1, 2016 Title: Chief Financial Officer_________

As authorized in order ~~25,019~~XX,XXX in Case DW ~~08-098~~15-476

ISI= the original cost to the Company of eligible infrastructure system improvement projects, less accumulated depreciation.

PTRR= the pre-tax return rate applicable to eligible infrastructure system improvement projects.

Dep= annual depreciation expense related to eligible infrastructure system improvement projects.

PT= annual property taxes related to eligible infrastructure system improvement projects.

BRWR= base retail water revenues as approved by the Commission in the Company's last rate proceeding, DW 08-098, or a subsequent docket.

Annual updates: Supporting data for each annual update will be filed with the Commission and the Office of Consumer Advocate sixty (60) days prior to the effective date of the update. The Company shall also provide notice to the Towns.

III. Safeguards

Cap: The amount of the WICA applied between general rate case filings shall not exceed seven and one-half percent (7.5%) of the Company's annual retail water revenues as approved in its most recent rate filing, and shall not exceed five percent (5%) of such revenues for any twelve-month period.

Project Changes: If, after the Company has received Commission approval for Year 1 projects, because of changed circumstances or significant new information the Company plans to undertake projects in Year 1 that were not included on the list of approved WICA projects for that year or it has decided not to proceed with one or more projects that were included on the Commission-approved list, it shall promptly notify the Commission and all parties to the proceeding in which the list of WICA projects was approved that the Company plans to add to or delete projects and the reason for the proposed changes, in accordance with the following schedule. The Company will submit updates for approved WICA projects for subsequent project years, based upon information known on a project year-to-date basis, from the beginning of the project year through the following effective dates, on the associated reporting dates:

Issued: ~~April 1, 2014~~January 1, 2016 Issued by:________________________
Donald Morrissey

Effective: ~~April 1, 2014~~January 1, 2016 Title: Chief Financial Officer_________
As authorized in order ~~25,668~~XX,XXX in Case DW ~~13-314~~15-476

Effective Date	Reporting Date
December 31	January 15
March 31	April 15
June 30	July 15
September 30	October 15

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Issued: ~~April 1, 2014~~January 1, 2016 Issued by:___________________________
Donald Morrissey

Effective: ~~April 1, 2014~~January 1, 2016 Title: Chief Financial Officer_________
As authorized in order ~~25,668~~XX,XXX in Case DW ~~13-314~~15-476

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Audits: The WICA will be subject to audit prior to the determination by the Commission.

New Base Rates: The WICA charge will be reset at zero as of the effective date of new base rates that provide for prospective recovery of the annual costs that had theretofore been recovered under the WICA. Thereafter, only the fixed costs of new eligible plant additions, that have not previously been reflected in the Company's rate base, would be reflected in the annual updates of the WICA.

Customer Notice: Customers shall be notified of changes in the WICA by including appropriate information on the first bill they receive following any change. An explanatory bill insert shall also be included with the first billing. Before sending, the Company will review the notice with the Commission's Consumer Affairs division.

Issued: April 1, 2014 Issued by:__________________________
Donald Morrissey

Effective: April 1, 2014 Title:_ Chief Financial Officer_________
As authorized in order 25,668 in Case DW 13-314

Aquarion Water Company of New Hampshire
2017 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT
CALCULATION OF SURCHARGE

Line		Schedule Ref.		
1				
2	Total Investment through 09/30/2016	2017 3 Col 6b Ln 33	$	3,116,161
3				
4	Accumulated Depreciation	2017 3 Col 8a Ln 33		(69,630)
5				
6	Net Investment	Ln 2 + Ln 4	$	3,046,531
7				
8	Allowed Return on Rate Base	2017 2 Col 10		7.49%
9				
10	Allowed Return on Investment	Ln 6 x Ln 8	$	228,185
11				
12	Income Tax on Equity Component			
13				

Line		(a)	(b)	(c)	(d)
14		(a)	(b)	(c)	(d)
15		Weighted	Tax	Pre tax	Tax Gross Up
16		Cost	Multiplier	Cost	Col (c) - Col (a)
17					
18	Debt	3.58%	1.00	3.58%	0.00%
19	Equity	3.91%	1.68	6.57%	2.66%
20					
21		7.49%		10.15%	2.66%
22					
23	Total Eligible Investment (Line 6 above)				$ 3,046,531

Line		Schedule Ref.		
24				
25				
26	Income Tax Expense	Ln 21 Col D X Ln 23		81,038
27				
28	Depreciation Expense	2017 3 Col 8 Ln 33		37,733
29				
30	Property Tax Expense	2017 3 Col 10 Ln 33		69,963
31				
32	Adjustment: Annual Revenues Allowed	Lines 10 + 26 + 28 + 30	$	416,919
33				
34				
35	Base Revenues on which Adjustment will be applied			
36	Revenues allowed DW 12-085		$	7,129,043
37	Misc. Charges not subject to WICA			(189,059)
38			$	6,939,984
39				
40	Surcharge Percent (Line 32 divided by Line 38)			6.01%

Aquarion Water Company of New Hampshire
2017 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE & CONSERVATION ADJUSTMENT
COMPLETED PROJECTS

Line	Project Name or Class Category	1 Estimated Completion Date**	2 Actual Completion Date	3 Estimated Project Cost**	4 Actual Project Cost	5 Accumulated Depreciation	6 Project Cost minus Accumulated Depreciation	7 Depreciation Expense	8 Property Tax Expense	9 Income Tax Expense	10 Rate of Return	11 Annual Retail Revenues	12 = ((4-5) x 10) + 7 + 8 + 9 WICA Adjustment Dollars
1	**2013 Projects**												
2	Production Meters	30-Sep-13	30-Sep-13	$ 18,030	$ 16,466	$ 1,710	$ 14,756	$ 488	$ 213	$ 393	7.49%	$ 7,129,043	2,199
3	Main Replacements	30-Sep-13	30-Sep-13	$ -	$ 689,856	$ 28,188	$ 661,668	$ 8,054	$ 14,962	$ 17,600	7.49%	$ 7,129,043	90,175
4	Hydrants*	30-Sep-13	30-Sep-13	$ 32,700	$ 8,147	$ 610	$ 7,538	$ 174	$ 155	$ 201	7.49%	$ 7,129,043	1,094
5	Services*	30-Sep-13	30-Sep-13	$ 80,600	$ 14,414	$ 882	$ 13,532	$ 252	$ 279	$ 360	7.49%	$ 7,129,043	1,905
6	Valves*	30-Sep-13	30-Sep-13	$ 10,800	$ 5,167	$ 904	$ 4,263	$ 258	$ 95	$ 113	7.49%	$ 7,129,043	786
7				$ 142,130	$ 734,050	$ 32,294	$ 701,757	$ 9,227	$ 15,704	$ 18,667			96,159
8													
9	**2014 Projects**												
10	Production Meters	30-Sep-14	30-Sep-14	$ 1,600	$ 3,044	$ 306	$ 2,738	$ 122	$ 65	$ 73	7.49%	$ 7,129,043	465
11	Main Replacements	30-Sep-14	30-Sep-14	$ 937,968	$ 593,603	$ 17,509	$ 576,093	$ 7,004	$ 13,581	$ 15,324	7.49%	$ 7,129,043	79,058
12				$ 939,568	$ 596,646	$ 17,815	$ 578,831	$ 7,126	$ 13,646	$ 15,397			79,523
13													
14	**2015 Projects**												
15	Main Replacements	30-Sep-15	30-Sep-15	$ 741,465	$ 741,465	$ 13,247	$ 728,217	$ 8,831	$ 16,817	$ 19,371	7.49%	$ 7,129,043	99,563
16				$ 741,465	$ 741,465	$ 13,247	$ 728,217	$ 8,831	$ 16,817	$ 19,371			99,563
17													
18	**2016 Projects**												
19	Production Meters	30-Sep-16	30-Sep-16	$ 1,600	$ 7,000	$ 141	$ 6,859	$ 281	$ 149	$ 182	7.49%	$ 7,129,043	1,126
20	Main Replacements	30-Sep-16	30-Sep-16	$ 1,037,000	$ 1,037,000	$ 6,134	$ 1,030,866	$ 12,268	$ 23,647	$ 27,421	7.49%	$ 7,129,043	140,548
21				$ 1,038,600	$ 1,044,000	$ 6,275	$ 1,037,725	$ 12,549	$ 23,796	$ 27,603			141,674
22													
23	**TOTALS**			$ 2,861,763	$ 3,116,161	$ 69,630	$ 3,046,531	$ 37,733	$ 69,963	$ 81,038			$ 416,919
24													
25	* Emergency Replacement												
26	* * Per Docket Filing DW 13-314												
27													

Aquarion Water Company of New Hampshire
2017 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT
ELIGIBLE PROJECTS PLACED IN SERVICE

Line	Description of Project (Street)	Town	1 PUC Acct	2 Depr Rate	3 Type of Project**	4 Date in Service	5 Date of 1st Filing	6a Total Capital Costs	6b Eligible Capital Costs	7a Total Retirements	7b Eligible Retirements	8 = (6b - 7b) x 2 Depreciation Expense	8a = 8 x 50% Accumulated Depreciation	9 Mil Rates Town	State	Total	10 = (((6b-7b-8a)/1000) x 12) Prop. Tax Expense
	2013 Projects																
1	Production Meters	Rye	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 3,432	$ 3,432	$ 3,033	$ 3,033	$ 18	$ 61	8.44	6.60	15.04	$ 5
2	Production Meters	North Hampton	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 4,511	$ 4,511	$ 2,331	$ 2,331	$ 96	$ 336	15.01	6.60	21.61	$ 40
3	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 8,522	$ 8,522	$ -	$ -	$ 375	$ 1,312	16.67	6.60	23.27	$ 168
4	Church Street-Highland Avenue to Williams Street	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 133,335	$ 133,335	$ 6,243	$ 6,243	$ 1,525	$ 5,338	16.67	6.60	23.27	$ 2,833
5	Auburn Avenue	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 206,750	$ 206,750	$ 10,346	$ 10,346	$ 2,357	$ 8,249	16.67	6.60	23.27	$ 4,378
6	Auburn Avenue Extension	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 85,554	$ 85,554	$ 359	$ 359	$ 1,022	$ 3,578	16.67	6.60	23.27	$ 1,899
7	Perkins Avenue	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 264,216	$ 264,216	$ 1,760	$ 1,760	$ 3,149	$ 11,023	16.67	6.60	23.27	$ 5,851
8	Hydrants*	Hampton	348	2.40%	Hydrants	9/30/2013	10/31/2013	$ 22,839	$ 8,147	$ 2,498	$ 891	$ 174	$ 610	16.67	6.60	23.27	$ 155
9	Services*	Hampton	345	1.85%	Services	9/30/2013	10/31/2013	$ 33,941	$ 12,108	$ 1,994	$ 711	$ 211	$ 738	16.67	6.60	23.27	$ 248
10	Services*	Rye	345	1.85%	Services	9/30/2013	10/31/2013	$ 6,464	$ 2,306	$ 230	$ 82	$ 41	$ 144	8.44	6.60	15.04	$ 31
11	Valves*	Hampton	349	5.00%	Other T&D Plant	9/30/2013	10/31/2013	$ 6,351	$ 2,265	$ -	$ -	$ 113	$ 396	16.67	6.60	23.27	$ 43
12	Valves*	North Hampton	349	5.00%	Other T&D Plant	9/30/2013	10/31/2013	$ 8,133	$ 2,901	$ -	$ -	$ 145	$ 508	15.01	6.60	21.61	$ 52
13								$ 784,050	$ 734,050	$ 28,794	$ 25,757	$ 9,227	$ 32,294				$ 15,704
14																	
15	**2014 Projects**																
16	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2014	10/31/2014	$ 3,044	$ 3,044	$ 264	$ 264	$ 122	$ 306	16.67	6.60	23.27	$ 65
17	Well 9 Transmission Main	Hampton	343	1.20%	Main Replacement	9/30/2014	10/31/2014	$ 57,506	$ 57,506	$ 3,160	$ 3,160	$ 652	$ 1,630	16.67	6.60	23.27	$ 1,265
18	Ocean Boulevard- Dumas Ave to Winnacunnet Rd	Hampton	343	1.20%	Main Replacement	9/30/2014	10/31/2014	$ 536,096	$ 536,096	$ 6,801	$ 6,801	$ 6,352	$ 15,879	16.67	6.60	23.27	$ 12,317
19								$ 596,646	$ 596,646	$ 10,225	$ 10,225	$ 7,126	$ 17,815				$ 13,646
20																	
21	**2015 Projects**																
22	Great Boars Head - Cliff Circle to Ocean Blvd	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$169,733	$ 169,733	$551	$ 551	$ 2,030	$ 3,045	16.67	6.60	23.27	$ 3,866
23	Kings Hwy - 11th, 13th, 14th & 15th St	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$385,374	$ 385,374	$2,324	$ 2,324	$ 4,597	$ 6,895	16.67	6.60	23.27	$ 8,753
24	Ross Avenue	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$186,358	$ 186,358	$2,637	$ 2,637	$ 2,205	$ 3,307	16.67	6.60	23.27	$ 4,198
25								$741,465	$741,465	$5,512	$5,512	$8,831	$13,247				$ 16,817
26																	
27	**2016 Projects**																
28	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2016	10/31/2016	$ 7,000	$ 7,000	$606	$ 606	$ 281	$ 141	16.67	6.60	23.27	$ 149
29	Lafayette Rd: H068 to Park Ave (south)	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 121,000	$ 121,000	$1,712	$ 1,712	$ 1,431	$ 716	16.67	6.60	23.27	$ 2,759
30	Lafayette Rd: H068 to Park Ave (north)	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 84,000	$ 84,000	$1,189	$ 1,189	$ 994	$ 497	16.67	6.60	23.27	$ 1,915
31	Lafayette Rd: Park Ave (north) to Stickney Terr	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 72,000	$ 72,000	$1,019	$ 1,019	$ 852	$ 426	16.67	6.60	23.27	$ 1,642
32	Lafayette Rd: Stickney Terr to Winnacunnet Rd	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 245,000	$ 245,000	$3,467	$ 3,467	$ 2,898	$ 1,449	16.67	6.60	23.27	$ 5,587
33	Manchester St: off Ashworth Ave	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 136,000	$ 136,000	$1,924	$ 1,924	$ 1,609	$ 804	16.67	6.60	23.27	$ 3,101
34	North Shore Rd: Cusack Rd to Quinlan Ln	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 271,000	$ 271,000	$3,835	$ 3,835	$ 3,206	$ 1,603	16.67	6.60	23.27	$ 6,180
35	Sunsurf Ave: off Cliff Ave	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 108,000	$ 108,000	$1,528	$ 1,528	$ 1,278	$ 639	16.67	6.60	23.27	$ 2,463
36								$ 1,044,000	$ 1,044,000	$ 15,280	$ 15,280	$ 12,549	$ 6,275				$ 23,796
37																	
38							TOTALS	$ 3,166,161	$ 3,116,161	$ 59,812	$ 56,774	$ 37,733	$ 69,630				$ 69,963
39									to 2017 1, Ln 2			to 2017 1, Ln 28	to 2017 1, Ln 4				to 2017 1, Ln 30

***Total capital costs are reduced by $50,000 proportionately per Order No. 25,539. Retirements are also proportionately reduced.**
**** Type of Project (designations will be given for various types of projects)**

Aquarion Water Company of New Hampshire
2018 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT
CALCULATION OF SURCHARGE

Line						Schedule Ref.		
1								
2	Total Investment through 09/30/2017					2018 3 Col 6b Ln 45	$	4,190,161
3								
4	Accumulated Depreciation					2018 3 Col 8a Ln 45		(113,816)
5								
6	Net Investment					Ln 2 + Ln 4	$	4,076,345
7								
8	Allowed Return on Rate Base					2018 2 Col 10		7.49%
9								
10	Allowed Return on Investment					Ln 6 x Ln 8	$	305,318
11								
12	Income Tax on Equity Component							
13								
14		(a)	(b)	(c)	(d)			
15		Weighted	Tax	Pre tax	Tax Gross Up			
16		Cost	Multiplier	Cost	Col (c) - Col (a)			
17								
18	Debt	3.58%	1.00	3.58%	0.00%			
19	Equity	3.91%	1.68	6.57%	2.66%			
20								
21		7.49%		10.15%	2.66%			
22								
23	Total Eligible Investment (Line 6 above)				$ 4,076,345			
24								
25								
26	Income Tax Expense					Ln 21 Col D X Ln 23		108,431
27								
28	Depreciation Expense					2018 3 Col 8 Ln 45		50,638
29								
30	Property Tax Expense					2018 3 Col 10 Ln 45		93,489
31								
32	Adjustment: Annual Revenues Allowed					Lines 10 + 26 + 28 + 30	$	557,876
33								
34								
35	Base Revenues on which Adjustment will be applied							
36	Revenues allowed DW 12-085						$	7,129,043
37	Misc. Charges not subject to WICA							(189,059)
38							$	6,939,984
39								
40	Surcharge Percent (Line 32 divided by Line 38)							8.04%

Aquarion Water Company of New Hampshire
2018 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE & CONSERVATION ADJUSTMENT
COMPLETED PROJECTS

		1	2	3	4	5	6	7	8	9	10	11	12 = ((4-5) x 10) + 7 + 8 + 9
Line	Project Name or Class Category	Estimated Completion Date**	Actual Completion Date	Estimated Project Cost**	Actual Project Cost	Accumulated Depreciation	Project Cost minus Accumulated Depreciation	Depreciation Expense	Property Tax Expense	Income Tax Expense	Rate of Return	Annual Retail Revenues	WICA Adjustment Dollars
1	**2013 Projects**												
2	Production Meters	30-Sep-13	30-Sep-13	$ 18,030	$ 16,466	$ 2,198	$ 14,268	$ 488	$ 202	$ 380	7.49%	$ 7,129,043	2,138
3	Main Replacements	30-Sep-13	30-Sep-13	$ -	$ 689,856	$ 36,242	$ 653,614	$ 8,054	$ 14,774	$ 17,386	7.49%	$ 7,129,043	89,170
4	Hydrants*	30-Sep-13	30-Sep-13	$ 32,700	$ 8,147	$ 784	$ 7,364	$ 174	$ 151	$ 196	7.49%	$ 7,129,043	1,072
5	Services*	30-Sep-13	30-Sep-13	$ 80,600	$ 14,414	$ 1,134	$ 13,280	$ 252	$ 274	$ 353	7.49%	$ 7,129,043	1,874
6	Valves*	30-Sep-13	30-Sep-13	$ 10,800	$ 5,167	$ 1,163	$ 4,004	$ 258	$ 89	$ 107	7.49%	$ 7,129,043	754
				$ 142,130	$ 734,050	$ 41,520	$ 692,530	$ 9,227	$ 15,490	$ 18,421			95,008
7	**2014 Projects**												
8	Production Meters	30-Sep-14	30-Sep-14	$ 1,600	$ 3,044	$ 428	$ 2,616	$ 122	$ 65	$ 70	7.49%	$ 7,129,043	453
9	Main Replacements	30-Sep-14	30-Sep-14	$ 937,968	$ 593,603	$ 24,513	$ 569,090	$ 7,004	$ 13,581	$ 15,138	7.49%	$ 7,129,043	78,348
				$ 939,568	$ 596,646	$ 24,941	$ 571,705	$ 7,126	$ 13,646	$ 15,207			78,800
10	**2015 Projects**												
11	Main Replacements	30-Sep-15	30-Sep-15	$ 741,465	$ 741,465	$ 22,079	$ 719,386	$ 8,831	$ 16,612	$ 19,136	7.49%	$ 7,129,043	98,461
				$ 741,465	$ 741,465	$ 22,079	$ 719,386	$ 8,831	$ 16,612	$ 19,136			98,461
12	**2016 Projects**												
13	Production Meters	30-Sep-16	30-Sep-16	$ 1,600	$ 7,000	$ 422	$ 6,578	$ 281	$ 149	$ 175	7.49%	$ 7,129,043	1,098
14	Main Replacements	30-Sep-16	30-Sep-16	$1,037,000	$ 1,037,000	$ 18,402	$ 1,018,598	$ 12,268	$ 23,790	$ 27,095	7.49%	$ 7,129,043	139,445
				$1,038,600	$ 1,044,000	$ 18,824	$ 1,025,176	$ 12,549	$ 23,938	$ 27,270			140,543
15	**2017 Projects**												
16	Production Meters	30-Sep-17	30-Sep-17	$ 1,600	$ 7,000	$ 141	$ 6,859	$ 281	$ 149	$ 182	7.49%	$ 7,129,043	1,126
17	Main Replacements	30-Sep-17	30-Sep-17	$1,067,000	$ 1,067,000	$ 6,311	$ 1,060,689	$ 12,623	$ 23,655	$ 28,214	7.49%	$ 7,129,043	143,937
				$1,068,600	$ 1,074,000	$ 6,452	$ 1,067,548	$ 12,904	$ 23,803	$ 28,397			145,064
18													
19	**TOTALS**			$ 3,930,363	$ 4,190,161	$ 113,816	$ 4,076,345	$ 50,638	$ 93,489	$ 108,431			$ 557,876
20													
21	* Emergency Replacement												
22	* * Per Docket Filing DW 13-314												
23													

Aquarion Water Company of New Hampshire
2018 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT
ELIGIBLE PROJECTS PLACED IN SERVICE

Line	Description of Project Street	Town	1 PUC Acct	2 Depr Rate	3 Type of Project**	4 Date in Service	5 Date of 1st Filing	6a Total Capital Costs	6b Eligible Capital Costs	7a Total Retirements	7b Eligible Retirements	8 = (6b - 7b) x 2 Depreciation Expense	8a = 8 x 50% Accumulated Depreciation	9 Mil Rates Town	State	Total	10 = (((6b-7b-8a)/1000) x 12) Prop. Tax Expense
	2013 Projects																
1	Production Meters	Rye	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 3,432	$ 3,432	$ 3,033	$ 3,033	$ 18	$ 79	8.44	6.60	15.04	$ 5
2	Production Meters	North Hampton	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 4,511	$ 4,511	$ 2,331	$ 2,331	$ 96	$ 432	15.01	6.60	21.61	$ 38
3	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 8,522	$ 8,522	$ -	$ -	$ 375	$ 1,687	16.67	6.60	23.27	$ 159
4	Church Street-Highland Avenue to Williams Street	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 133,335	$ 133,335	$ 6,243	$ 6,243	$ 1,525	$ 6,863	16.67	6.60	23.27	$ 2,798
5	Auburn Avenue	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 206,750	$ 206,750	$ 10,346	$ 10,346	$ 2,357	$ 10,606	16.67	6.60	23.27	$ 4,324
6	Auburn Avenue Extension	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 85,554	$ 85,554	$ 359	$ 359	$ 1,022	$ 4,601	16.67	6.60	23.27	$ 1,875
7	Perkins Avenue	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 264,216	$ 264,216	$ 1,760	$ 1,760	$ 3,149	$ 14,173	16.67	6.60	23.27	$ 5,778
8	Hydrants*	Hampton	348	2.40%	Hydrants	9/30/2013	10/31/2013	$ 22,839	$ 8,147	$ 2,498	$ 891	$ 174	$ 784	16.67	6.60	23.27	$ 151
9	Services*	Hampton	345	1.85%	Services	9/30/2013	10/31/2013	$ 33,941	$ 12,108	$ 1,994	$ 711	$ 211	$ 949	16.67	6.60	23.27	$ 243
10	Services*	Rye	345	1.85%	Services	9/30/2013	10/31/2013	$ 6,464	$ 2,306	$ 230	$ 82	$ 41	$ 185	8.44	6.60	15.04	$ 31
11	Valves*	Hampton	349	5.00%	Other T&D Plant	9/30/2013	10/31/2013	$ 6,351	$ 2,265	$ -	$ -	$ 113	$ 510	16.67	6.60	23.27	$ 41
12	Valves*	North Hampton	349	5.00%	Other T&D Plant	9/30/2013	10/31/2013	$ 8,133	$ 2,901	$ -	$ -	$ 145	$ 653	15.01	6.60	21.61	$ 49
13								$ 784,050	$ 734,050	$ 28,794	$ 25,757	$ 9,227	$ 41,520				$ 15,490
14																	
15	**2014 Projects**																
16	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2014	10/31/2014	$ 3,044	$ 3,044	$ 264	$ 264	$ 122	$ 428	16.67	6.60	23.27	$ 65
17	Well 9 Transmission Main	Hampton	343	1.20%	Main Replacement	9/30/2014	10/31/2014	$ 57,506	$ 57,506	$ 3,160	$ 3,160	$ 652	$ 2,283	16.67	6.60	23.27	$ 1,265
18	Ocean Boulevard- Dumas Ave to Winnacunnet Rd	Hampton	343	1.20%	Main Replacement	9/30/2014	10/31/2014	$ 536,096	$ 536,096	$ 6,801	$ 6,801	$ 6,352	$ 22,230	16.67	6.60	23.27	$ 12,317
19								$ 596,646	$ 596,646	$ 10,225	$ 10,225	$ 7,126	$ 24,941				$ 13,646
20																	
21	**2015 Projects**																
22	Great Boars Head - Cliff Circle to Ocean Blvd	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$169,733	$ 169,733	$551	$ 551	$ 2,030	$ 5,075	16.67	6.60	23.27	$ 3,819
23	Kings Hwy - 11th, 13th, 14th & 15th St	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$385,374	$ 385,374	$2,324	$ 2,324	$ 4,597	$ 11,491	16.67	6.60	23.27	$ 8,646
24	Ross Avenue	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$186,358	$ 186,358	$2,637	$ 2,637	$ 2,205	$ 5,512	16.67	6.60	23.27	$ 4,147
25								$741,465	$741,465	$5,512	$5,512	$8,831	$22,079				$ 16,612
26																	
27	**2016 Projects**																
28	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2016	10/31/2016	$ 7,000	$ 7,000	$606	$ 606	$ 281	$ 422	16.67	6.60	23.27	$ 149
29	Lafayette Rd: H068 to Park Ave (south)	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 121,000	$ 121,000	$1,712	$ 1,712	$ 1,431	$ 2,147	16.67	6.60	23.27	$ 2,776
30	Lafayette Rd: H068 to Park Ave (north)	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 84,000	$ 84,000	$1,189	$ 1,189	$ 994	$ 1,491	16.67	6.60	23.27	$ 1,927
31	Lafayette Rd: Park Ave (north) to Stickney Terr	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 72,000	$ 72,000	$1,019	$ 1,019	$ 852	$ 1,278	16.67	6.60	23.27	$ 1,652
32	Lafayette Rd: Stickney Terr to Winnacunnet Rd	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 245,000	$ 245,000	$3,467	$ 3,467	$ 2,898	$ 4,348	16.67	6.60	23.27	$ 5,620
33	Manchester St: off Ashworth Ave	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 136,000	$ 136,000	$1,924	$ 1,924	$ 1,609	$ 2,413	16.67	6.60	23.27	$ 3,120
34	North Shore Rd: Cusack Rd to Quinlan Ln	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 271,000	$ 271,000	$3,835	$ 3,835	$ 3,206	$ 4,809	16.67	6.60	23.27	$ 6,217
35	Sunsurf Ave: off Cliff Ave	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 108,000	$ 108,000	$1,528	$ 1,528	$ 1,278	$ 1,916	16.67	6.60	23.27	$ 2,478
36								$ 1,044,000	$ 1,044,000	$ 15,280	$ 15,280	$ 12,549	$ 18,824				$ 23,938
37																	
38	**2017 Projects**																
39	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2017	10/31/2017	$ 7,000	$ 7,000	$606	$ 606	$ 281	$ 141	16.67	6.60	23.27	$ 149
40	High Street: east of Mill Pond Lane	Hampton	343	1.20%	Main Replacement	9/30/2017	10/31/2017	$ 332,000	$ 332,000	$4,698	$ 4,698	$ 3,928	$ 1,964	16.67	6.60	23.27	$ 7,616
41	Winnacunnet Rd: Lafayette Rd. to Towle Av	Hampton	343	1.20%	Main Replacement	9/30/2017	10/31/2017	$ 232,000	$ 232,000	$3,283	$ 3,283	$ 2,745	$ 1,372	16.67	6.60	23.27	$ 5,322
42	Shop Road: transmission main	North Hampton	343	1.20%	Main Replacement	9/30/2017	10/31/2017	$ 503,000	$ 503,000	$7,118	$ 7,118	$ 5,951	$ 2,975	15.01	6.60	21.61	$ 10,716
43								$ 1,074,000	$ 1,074,000	$ 15,704	$ 15,704	$ 12,904	$ 6,452				$ 23,803
44																	
45							**TOTALS**	$ 4,240,161	$ 4,190,161	$ 75,516	$ 72,478	$ 50,638	$ 113,816				$ 93,489
									to 2018 1, Ln 2			to 2018 1, Ln 28	to 2018 1, Ln 4				to 2018 1, Ln 30

***Total capital costs are reduced by $50,000 proportionately per Order No. 25,539. Retirements are also proportionately reduced.**
**** Type of Project (designations will be given for various types of projects)**

Aquarion Water Company of New Hampshire
2019 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT
CALCULATION OF SURCHARGE

Line						Schedule Ref.	
1							
2	Total Investment through 09/30/2018					2019 3 Col 6b Ln 55	$ 5,165,161
3							
4	Accumulated Depreciation					2019 3 Col 8a Ln 55	(170,320)
5							
6	Net Investment					Ln 2 + Ln 4	$ 4,994,841
7							
8	Allowed Return on Rate Base					2019 2 Col 10	7.49%
9							
10	Allowed Return on Investment					Ln 6 x Ln 8	$ 374,114
11							
12	Income Tax on Equity Component						
13							
14		(a)	(b)	(c)	(d)		
15		Weighted	Tax	Pre tax	Tax Gross Up		
16		Cost	Multiplier	Cost	Col (c) - Col (a)		
17							
18	Debt	3.58%	1.00	3.58%	0.00%		
19	Equity	3.91%	1.68	6.57%	2.66%		
20							
21		7.49%		10.15%	2.66%		
22							
23	Total Eligible Investment (Line 6 above)				$ 4,994,841		
24							
25							
26	Income Tax Expense					Ln 21 Col D X Ln 23	132,863
27							
28	Depreciation Expense					2019 3 Col 8 Ln 55	62,371
29							
30	Property Tax Expense					2019 3 Col 10 Ln 55	115,425
31							
32	Adjustment: Annual Revenues Allowed					Lines 10 + 26 + 28 + 30	$ 684,773
33							
34							
35	Base Revenues on which Adjustment will be applied						
36	Revenues allowed DW 12-085						$ 7,129,043
37	Misc. Charges not subject to WICA						(189,059)
38							$ 6,939,984
39							
40	Surcharge Percent (Line 32 divided by Line 38)						9.87%

Aquarion Water Company of New Hampshire
2019 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE & CONSERVATION ADJUSTMENT
COMPLETED PROJECTS

		1	2	3	4	5	6	7	8	9	10	11	12 = ((4-5) x 10) + 7 + 8 + 9
Line	Project Name or Class Category	Estimated Completion Date**	Actual Completion Date	Estimated Project Cost**	Actual Project Cost	Accumulated Depreciation	Project Cost minus Accumulated Depreciation	Depreciation Expense	Property Tax Expense	Income Tax Expense	Rate of Return	Annual Retail Revenues	WICA Adjustment Dollars
1	**2013 Projects**												
2	Production Meters	30-Sep-13	30-Sep-13	$ 18,030	$ 16,466	$ 2,687	$ 13,779	$ 488	$ 191	$ 367	7.49%	$ 7,129,043	2,078
3	Main Replacements	30-Sep-13	30-Sep-13	$ -	$ 689,856	$ 44,296	$ 645,560	$ 8,054	$ 14,587	$ 17,172	7.49%	$ 7,129,043	88,165
4	Hydrants*	30-Sep-13	30-Sep-13	$ 32,700	$ 8,147	$ 958	$ 7,189	$ 174	$ 147	$ 191	7.49%	$ 7,129,043	1,050
5	Services*	30-Sep-13	30-Sep-13	$ 80,600	$ 14,414	$ 1,386	$ 13,028	$ 252	$ 268	$ 347	7.49%	$ 7,129,043	1,843
6	Valves*	30-Sep-13	30-Sep-13	$ 10,800	$ 5,167	$ 1,421	$ 3,746	$ 258	$ 84	$ 100	7.49%	$ 7,129,043	722
7				$ 142,130	$ 734,050	$ 50,747	$ 683,303	$ 9,227	$ 15,276	$ 18,176			93,858
8													
9	**2014 Projects**												
10	Production Meters	30-Sep-14	30-Sep-14	$ 1,600	$ 3,044	$ 551	$ 2,493	$ 122	$ 65	$ 66	7.49%	$ 7,129,043	440
11	Main Replacements	30-Sep-14	30-Sep-14	$ 937,968	$ 593,603	$ 31,517	$ 562,086	$ 7,004	$ 13,581	$ 14,951	7.49%	$ 7,129,043	77,637
12				$ 939,568	$ 596,646	$ 32,067	$ 564,579	$ 7,126	$ 13,646	$ 15,018			78,077
13													
14	**2015 Projects**												
15	Main Replacements	30-Sep-15	30-Sep-15	$ 741,465	$ 741,465	$ 30,910	$ 710,555	$ 8,831	$ 16,406	$ 18,901	7.49%	$ 7,129,043	97,359
16				$ 741,465	$ 741,465	$ 30,910	$ 710,555	$ 8,831	$ 16,406	$ 18,901			97,359
17													
18	**2016 Projects**												
19	Production Meters	30-Sep-16	30-Sep-16	$ 1,600	$ 7,000	$ 703	$ 6,297	$ 281	$ 149	$ 167	7.49%	$ 7,129,043	1,069
20	Main Replacements	30-Sep-16	30-Sep-16	$1,037,000	$ 1,037,000	$ 30,670	$ 1,006,330	$ 12,268	$ 23,790	$ 26,768	7.49%	$ 7,129,043	138,200
21				$1,038,600	$ 1,044,000	$ 31,373	$ 1,012,627	$ 12,549	$ 23,938	$ 26,936			139,269
22													
23	**2017 Projects**												
24	Production Meters	30-Sep-17	30-Sep-17	$ 1,600	$ 7,000	$ 422	$ 6,578	$ 281	$ 149	$ 175	7.49%	$ 7,129,043	1,098
25	Main Replacements	30-Sep-17	30-Sep-17	$1,067,000	$ 1,067,000	$ 18,934	$ 1,048,066	$ 12,623	$ 23,655	$ 27,879	7.49%	$ 7,129,043	142,656
26				$1,068,600	$ 1,074,000	$ 19,356	$ 1,054,644	$ 12,904	$ 23,803	$ 28,054			143,754
27													
28	**2018 Projects**												
29	Production Meters	30-Sep-18	30-Sep-16	$ 1,600	$ 7,000	$ 141	$ 6,859	$ 281	$ 149	$ 182	7.49%	$ 7,129,043	1,126
30	Main Replacements	30-Sep-18	30-Sep-16	$ 968,000	$ 968,000	$ 5,726	$ 962,274	$ 11,452	$ 22,207	$ 25,596	7.49%	$ 7,129,043	131,329
31				$ 969,600	$ 975,000	$ 5,866	$ 969,134	$ 11,733	$ 22,355	$ 25,779			132,455
32													
33	**TOTALS**			$ 4,899,963	$ 5,165,161	$ 170,320	$ 4,994,841	$ 62,371	$ 115,425	$ 132,863			$ 684,772
34													

* Emergency Replacement
* * Per Docket Filing DW 13-314

Aquarion Water Company of New Hampshire
2019 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT
ELIGIBLE PROJECTS PLACED IN SERVICE

Line	Description of Project Street	Town	1 PUC Acct	2 Depr Rate	3 Type of Project**	4 Date in Service	5 Date of 1st Filing	6a Total Capital Costs	6b Eligible Capital Costs	7a Total Retirements	7b Eligible Retirements	8 = (6b - 7b) x 2 Depreciation Expense	8a = 8 x 50% Accumulated Depreciation	9 Mil Rates Town	State	Total	10 = (((6b-7b-8a)/1000) x 12) Prop. Tax Expense
	2013 Projects																
1	Production Meters	Rye	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 3,432	$ 3,432	$ 3,033	$ 3,033	$ 18	$ 97	8.44	6.60	15.04	$ 5
2	Production Meters	North Hampton	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 4,511	$ 4,511	$ 2,331	$ 2,331	$ 96	$ 528	15.01	6.60	21.61	$ 36
3	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 8,522	$ 8,522	$ -	$ -	$ 375	$ 2,062	16.67	6.60	23.27	$ 150
4	Church Street-Highland Avenue to Williams Street	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 133,335	$ 133,335	$ 6,243	$ 6,243	$ 1,525	$ 8,388	16.67	6.60	23.27	$ 2,762
5	Auburn Avenue	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 206,750	$ 206,750	$ 10,346	$ 10,346	$ 2,357	$ 12,963	16.67	6.60	23.27	$ 4,269
6	Auburn Avenue Extension	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 85,554	$ 85,554	$ 359	$ 359	$ 1,022	$ 5,623	16.67	6.60	23.27	$ 1,852
7	Perkins Avenue	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 264,216	$ 264,216	$ 1,760	$ 1,760	$ 3,149	$ 17,322	16.67	6.60	23.27	$ 5,704
8	Hydrants*	Hampton	348	2.40%	Hydrants	9/30/2013	10/31/2013	$ 22,839	$ 8,147	$ 2,498	$ 891	$ 174	$ 958	16.67	6.60	23.27	$ 147
9	Services*	Hampton	345	1.85%	Services	9/30/2013	10/31/2013	$ 33,941	$ 12,108	$ 1,994	$ 711	$ 211	$ 1,160	16.67	6.60	23.27	$ 238
10	Services*	Rye	345	1.85%	Services	9/30/2013	10/31/2013	$ 6,464	$ 2,306	$ 230	$ 82	$ 41	$ 226	8.44	6.60	15.04	$ 30
11	Valves*	Hampton	349	5.00%	Other T&D Plant	9/30/2013	10/31/2013	$ 6,351	$ 2,265	$ -	$ -	$ 113	$ 623	16.67	6.60	23.27	$ 38
12	Valves*	North Hampton	349	5.00%	Other T&D Plant	9/30/2013	10/31/2013	$ 8,133	$ 2,901	$ -	$ -	$ 145	$ 798	15.01	6.60	21.61	$ 45
13								$ 784,050	$ 734,050	$ 28,794	$ 25,757	$ 9,227	$ 50,747				$ 15,276
14																	
15	**2014 Projects**																
16	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2014	10/31/2014	$ 3,044	$ 3,044	$ 264	$ 264	$ 122	$ 551	16.67	6.60	23.27	$ 65
17	Well 9 Transmission Main	Hampton	343	1.20%	Main Replacement	9/30/2014	10/31/2014	$ 57,506	$ 57,506	$ 3,160	$ 3,160	$ 652	$ 2,935	16.67	6.60	23.27	$ 1,265
18	Ocean Boulevard- Dumas Ave to Winnacunnet Rd	Hampton	343	1.20%	Main Replacement	9/30/2014	10/31/2014	$ 536,096	$ 536,096	$ 6,801	$ 6,801	$ 6,352	$ 28,582	16.67	6.60	23.27	$ 12,317
19								$ 596,646	$ 596,646	$ 10,225	$ 10,225	$ 7,126	$ 32,067				$ 13,646
20																	
21	**2015 Projects**																
22	Great Boars Head - Cliff Circle to Ocean Blvd	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$169,733	$ 169,733	$551	$ 551	$ 2,030	$ 7,106	16.67	6.60	23.27	$ 3,772
23	Kings Hwy - 11th, 13th, 14th & 15th St	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$385,374	$ 385,374	$2,324	$ 2,324	$ 4,597	$ 16,088	16.67	6.60	23.27	$ 8,539
24	Ross Avenue	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$186,358	$ 186,358	$2,637	$ 2,637	$ 2,205	$ 7,716	16.67	6.60	23.27	$ 4,096
25								$741,465	$741,465	$5,512	$5,512	$8,831	$30,910				$ 16,406
26																	
27	**2016 Projects**																
28	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2016	10/31/2016	$ 7,000	$ 7,000	$606	$ 606	$ 281	$ 703	16.67	6.60	23.27	$ 149
29	Lafayette Rd: H068 to Park Ave (south)	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 121,000	$ 121,000	$1,712	$ 1,712	$ 1,431	$ 3,579	16.67	6.60	23.27	$ 2,776
30	Lafayette Rd: H068 to Park Ave (north)	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 84,000	$ 84,000	$1,189	$ 1,189	$ 994	$ 2,484	16.67	6.60	23.27	$ 1,927
31	Lafayette Rd: Park Ave (north) to Stickney Terr	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 72,000	$ 72,000	$1,019	$ 1,019	$ 852	$ 2,129	16.67	6.60	23.27	$ 1,652
32	Lafayette Rd: Stickney Terr to Winnacunnet Rd	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 245,000	$ 245,000	$3,467	$ 3,467	$ 2,898	$ 7,246	16.67	6.60	23.27	$ 5,620
33	Manchester St: off Ashworth Ave	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 136,000	$ 136,000	$1,924	$ 1,924	$ 1,609	$ 4,022	16.67	6.60	23.27	$ 3,120
34	North Shore Rd: Cusack Rd to Quinlan Ln	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 271,000	$ 271,000	$3,835	$ 3,835	$ 3,206	$ 8,015	16.67	6.60	23.27	$ 6,217
35	Sunsurf Ave: off Cliff Ave	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 108,000	$ 108,000	$1,528	$ 1,528	$ 1,278	$ 3,194	16.67	6.60	23.27	$ 2,478
36								$ 1,044,000	$ 1,044,000	$ 15,280	$ 15,280	$ 12,549	$ 31,373				$ 23,938
37																	
38	**2017 Projects**																
39	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2017	10/31/2017	$ 7,000	$ 7,000	$606	$ 606	$ 281	$ 422	16.67	6.60	23.27	$ 149
40	High Street: east of Mill Pond Lane	Hampton	343	1.20%	Main Replacement	9/30/2017	10/31/2017	$ 332,000	$ 332,000	$4,698	$ 4,698	$ 3,928	$ 5,891	16.67	6.60	23.27	$ 7,616
41	Winnacunnet Rd: Lafayette Rd. to Towle Av	Hampton	343	1.20%	Main Replacement	9/30/2017	10/31/2017	$ 232,000	$ 232,000	$3,283	$ 3,283	$ 2,745	$ 4,117	16.67	6.60	23.27	$ 5,322
42	Shop Road: transmission main	North Hampton	343	1.20%	Main Replacement	9/30/2017	10/31/2017	$ 503,000	$ 503,000	$7,118	$ 7,118	$ 5,951	$ 8,926	15.01	6.60	21.61	$ 10,716
43								$ 1,074,000	$ 1,074,000	$ 15,704	$ 15,704	$ 12,904	$ 19,356				$ 23,803
44																	
45	**2018 Projects**																
46	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2018	10/31/2018	$ 7,000	$ 7,000	$606	$ 606	$ 281	$ 141	16.67	6.60	23.27	$ 149
47	King's Hwy: 6th St - 8th St	Hampton	343	1.20%	Main Replacement	9/30/2018	10/31/2018	$ 166,000	$ 166,000	$2,349	$ 2,349	$ 1,964	$ 982	16.67	6.60	23.27	$ 3,808
48	King's Hwy: 8th St - 11th St	Hampton	343	1.20%	Main Replacement	9/30/2018	10/31/2018	$ 241,000	$ 241,000	$3,410	$ 3,410	$ 2,851	$ 1,426	16.67	6.60	23.27	$ 5,529
49	King's Hwy: Gill St - 1st St	Hampton	343	1.20%	Main Replacement	9/30/2018	10/31/2018	$ 117,000	$ 117,000	$1,656	$ 1,656	$ 1,384	$ 692	16.67	6.60	23.27	$ 2,684
50	King's Hwy: Gill St - Redman St	Hampton	343	1.20%	Main Replacement	9/30/2018	10/31/2018	$ 97,000	$ 97,000	$1,373	$ 1,373	$ 1,148	$ 574	16.67	6.60	23.27	$ 2,225
51	King's Hwy: Redcoat Ln - 30 Kings condos	Hampton	343	1.20%	Main Replacement	9/30/2018	10/31/2018	$ 137,000	$ 137,000	$1,939	$ 1,939	$ 1,621	$ 810	16.67	6.60	23.27	$ 3,143
52	6th, 7th, 8th, 9th & 10th Streets	Hampton	343	1.20%	Main Replacement	9/30/2018	10/31/2018	$ 210,000	$ 210,000	$2,972	$ 2,972	$ 2,484	$ 1,242	16.67	6.60	23.27	$ 4,818
53								$ 975,000	$ 975,000	$ 14,303	$ 14,303	$ 11,733	$ 5,866				$ 22,355
54																	
55							**TOTALS**	$ 5,215,161	$ 5,165,161	$ 89,819	$ 86,782	$ 62,371	$ 170,320				$ 115,425
56									to 2019 1, Ln 2			to 2019 1, Ln 28	to 2019 1, Ln 4				to 2019 1, Ln 30

***Total capital costs are reduced by $50,000 proportionately per Order No. 25,539. Retirements are also proportionately reduced.**
**** Type of Project (designations will be given for various types of projects)**

TOWN OF HAMPTON
Tax Collector's Office
Donna Bennett, Certified Tax Collector
100 Winnacunnet Road
Hampton, NH 03842-2119
(603) 926-6769
Hours: Mon-Thurs: 8 am - 5 pm; Fri: 8 am - 12 noon

8805 39 32 ***************AUTO**MIXED AADC 030
AQUARION WATER OF NH
600 LINDLEY ST
BRIDGEPORT CT 06606-5044

2015 SEMI-ANNUAL PROPERTY TAX BILL
SECOND INSTALLMENT
12.0% APR Interest Charged after 12/2/2015

Account: 89332
Due Date: 12/2/2015
Bill Date: 11/2/2015

Property	
Map Lot:	999-129
Location:	TOWN AREA
Class:	4000

Tax Rate Information	
Town	$7.91
County	$1.12
Local Ed	$7.64
	$0.00
Total	$16.67

ASSESSED VALUE AND EXEMPTIONS

Land	$800,000.00
Building	$13,573,000.00
Current Use	$0.00
Gross Value:	$14,373,000.00
EXEMPTIONS	
	$0.00
Net Assessed Value:	$14,373,000.00

PROPERTY TAX AND CREDITS

Total Gross Property Tax	$239,598.00
Credits	
Net Property Tax	$239,598.00
Previously Billed	$113,475.00
Prior Bill Payments	$113,475.00
Prepaid	$0.00
Interest Due	$0.00
Due By: 12/2/2015	**$126,123.00**

***** PLEASE READ THE BACK OF THIS BILL FOR IMPORTANT INFORMATION INCLUDING EXTENDED OFFICE HOURS*****

Jim Maggiore, Chair
Larry Miller, Vice Chair
Rick Stanton, Member

Municipal Offices
233 Atlantic Avenue
North Hampton, NH 03862

Tel: (603) 964-8087
Fax: (603) 964-1514

TOWN OF NORTH HAMPTON, NEW HAMPSHIRE
THE SELECT BOARD

PUBLIC NOTICE

PLEASE TAKE NOTICE that a typographical error occurred on the Tax Warrant with respect to how the tax rate is divided between town, school, state education and the county. On your bill, you may notice that the Local Education (School) rate was transposed with the County rate and the State Education rate was transposed with the Local Education (School Rate).

THE TOTAL TAX RATE of $17.48 is correct. The transposition doesn't affect the total amount due, and the tax bill you received is the amount you should pay. All the numbers still add up to the right tax rate.

THE CORRECT APPORTIONMENT is:

County:	$1.11	$ 1.11
School:	$8.20	8.20
State Ed.:	$2.47	
Town:	$5.70	5.70
		$ 15.01

THE TAX RATE Breakdown issued from the New Hampshire Department of Revenue is posted on the Town's website: www.northhampton-nh.gov.

THE TAX BILL that you recently received sets out the correct amount you should pay.

PLEASE CONTACT the Town Offices if you have any questions. The telephone number is (603) 964-8087.

TOWN OF RYE, N.H.
10 CENTRAL ROAD
RYE, NH 03870
(603) 964-8562

TAX COLLECTOR OFFICE HOURS
8:00 AM - 4:30 PM MONDAY - FRIDAY

Second Bill

REAL ESTATE TAX BILL

TAX YEAR	BILL NUMBER	BILLING DATE	INTEREST RATE	DUE DATE
2015	007899-002849	11/19/2015	12% if paid after	12/23/2015

MAP/PARCEL	LOCATION OF PROPERTY	AREA
081118000000	480 CENTRAL ROAD	3.27

OWNER OF RECORD

AQUARION WATER COMPANY
600 LINDLEY STREET
BRIDGEPORT, CT 06606

TAX RATE		ASSESSED VALUATION	
Municipal	2.960	Buildings	1,859,700
School	4.370	Land Value	109,800
County	1.110		
TOTAL	8.440	NET VALUE	1,969,500

TAX CALCULATION

Municipal Tax Amount	5,829.72
School Tax Amount	8,606.72
County Tax Amount	2,186.14
Total Tax	16,622.58
Actual Tax Amount	16,622.58
Paid to Date	-8,848.62
<Amount To Pay>	7,773.96

INFORMATION TO TAXPAYERS

THE TAXPAYER MAY BY MARCH 1ST. FOLLOWING THE DATE OF NOTICE OF TAX AND NOT AFTERWARDS. APPLY IN WRITING TO THE SELECTMEN OR ASSESSOR(S) FOR A TAX ABATEMENT.

ELIGIBLE RESIDENTS MAY APPLY FOR THE TAX DEFERRAL FOR ELDERLY AND DISABLED BY MARCH 1ST.

IF YOU ARE ELDERLY. BLIND. A VETERAN OR VETERAN'S SPOUSE, A DISABLED VETERAN, OR DISABLED VETERAN'S SPOUSE OR ARE UNABLE TO PAY TAXES DUE TO POVERTY OR OTHER GOOD CAUSE, YOU MAY BE ELIGIBLE FOR A TAX EXEMPTION, CREDIT, ABATEMENT OR DEFERRAL. FOR DETAILS AND APPLICATION INFORMATION. CONTACT THE SELECTMEN'S OFFICE. APPLICATIONS FOR EXEMPTIONS AND/OR CREDITS MUST BE FILED ON OR BEFORE APRIL 15TH EACH YEAR.

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

TAXPAYERS DESIRING ANY INFORMATION IN REGARD TO TAXATION. ASSESSMENTS. EXEMPTIONS. OR CHANGE OF ADDRESS MUST REFER ALL INQUIRIES TO THE BOARD OF SELECTMEN NOT TO TAX COLLECTOR.

ALL TAXES ARE ASSESSED ON APRIL 1st OF EACH YEAR. TAX BILLS ARE MAILED TO THE LAST KNOWN ADDRESS.

PAYMENT POLICIES:

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

Note: If your bank pays your tax bill, please send this bill to your bank.

If you have sold this property, please forward this bill to the new owner.

IF YOU WOULD LIKE A RECEIPT, PLEASE RETURN THE ENTIRE BILL AND A SELF-ADDRESSED STAMPED ENVELOPE.

DETACH HERE ↑ TO INSURE PROPER CREDIT, RETURN ENTIRE BOTTOM PORTION OF BILL ↑ DETACH HERE

From: Joshua Unger
To: Laflamme, Jayson
Cc: Naylor, Mark; douglas.brogan@myfairpoint.net; Patterson, Rorie; Carl McMorran; Debra Kirven; McKinley Rowe; Troy Dixon
Subject: DW 15-476: Aquarion Water Company of New Hampshire -- Response to TS 1-2
Date: Monday, December 21, 2015 3:59:05 PM
Attachments: TS 1-2 Supplemental Attachment A.pdf
TS 1-2 Supplemental Attachment B.pdf
TS 1-2 Supplemental Attachment C.pdf

Good Afternoon Jayson,

Below is the Company's responses to your comments. I have updated the TS 1-2 Attachments A, B and C to reflect these changes.

1) Since the Company did not have the updated tax rates until December, the Company is using the most recent tax rate available at the date of the original filing. (i.e., North Hampton and Rye have been updated to reflect the July rates.)
2) The Company has updated the scheduled to remove the retirements from the property tax calculations.
3) I have fixed all the referenced sections that you noted below in the attachments.

Please let me know if you have additional comments.

Thank you,

Josh

Joshua Unger
Senior Regulatory Compliance Specialist
Aquarion Water Company
600 Lindley Street
Bridgeport, CT 06606
Phone: 203.337.5990
Cell: 203.331.7434
Fax: 203.330.4641

From: "Laflamme, Jayson" <Jayson.Laflamme@puc.nh.gov>
Date: December 18, 2015 at 9:29:05 AM EST
To: "'dkirven@aquarionwater.com'" <dkirven@aquarionwater.com>, 'Troy Dixon'

<TDixon@aquarionwater.com>
Cc: "'rsamuels@mclane.com'" <rsamuels@mclane.com>, "Patterson, Rorie" <Rorie.Patterson@puc.nh.gov>, "Naylor, Mark" <Mark.Naylor@puc.nh.gov>, 'Doug Brogan' <douglas.brogan@myfairpoint.net>
Subject: DW 15-476: Aquarion Water Company of New Hampshire -- Response to TS 1-2

Hi Debra & Troy:

I am e-mailing specifically with regard to the Company's response to TS 1-2. I reviewed that response yesterday and had a few comments.

1) With regard to updating the tax calculations to reflect the 2015 rates. In future WICA filings made by the Company, do you anticipate that the Company will know what the updated tax rates will be when it makes its filings at the end of October? If not, I would suggest the use of the prior year tax rate in order to lessen the possibility of having to amend the calculation that is included in the Company's original filing when the updated rate does become known. That would also include using the 2014 tax rate for purposes of the current WICA filing.

2) In the Company's calculations to determine property tax expense, I see that the Company is including a deduction for retirements. Unlike the determination of depreciation expense, I don't think that it is necessary to deduct retirements for the purpose of determining property tax expense. The reason being, for the accounting treatment of plant retirements for utility purposes both gross plant and accumulated depreciation are reduced by the original cost of the retired plant. Therefore, there is ultimately a $0 net change in net plant in service to which the tax rate would be applied. So, there is really no need to reflect the retirements when determining property tax expense because the retirement ultimately has no impact on net plant in service. If you look at my Schedule 2a included in my handout at the tech session, you'll see that I reduced both plant in service and accumulated depreciation by the amount of the retirements to arrive at the net plant in service amount which is subject to the property tax rate.

3) Throughout the schedules, I noted several instances where it did not look like accumulated depreciation had been deducted in the determination of property tax expense. These included:

Attachment A, Page 3 of 3: Project Surcharge Approved in DW 14-300: Company calculated $13,646. I calculate $13,397. The difference appears to stem from $10,689 in accumulated depreciation.

Attachment C, Page 3 of 9: 2014 Projects: Company calculated $13,646. I calculate $13,231. The difference appears to stem from

$17,815 in accumulated depreciation.

Attachment C, Page 6 of 9: 2014 Projects: Company calculated $13,646. I calculate $13,066. The difference appears to stem from $24,941 in accumulated depreciation.

2016 Projects: Company calculated $23,938. I calculate $23,500. The difference appears to stem from $18,824 in accumulated depreciation.

2017 Projects: Company calculated $23,803. I calculate $23,660. The difference appears to stem from $ 6,452 in accumulated depreciation.

Attachment C, Page 9 of 9: **2014 Projects**: Company calculated $13,646. I calculate $12,900. The difference appears to stem from $32,067 in accumulated depreciation.

2016 Projects: Company calculated $23,938. I calculate $23,208. The difference appears to stem from $31,373 in accumulated depreciation.

2017 Projects: Company calculated $23,803. I calculate $23,360. The difference appears to stem from $19,356 in accumulated depreciation.

2018 Projects: Company calculated $22,355. I calculate $22,218. The difference appears to stem from $ 5,866 in accumulated depreciation.

I look forward to your comments regarding the above.

Thanks,

Jayson Laflamme
Utility Analyst, Gas-Water Division
New Hampshire Public Utilities Commission
21 South Fruit Street, Suite 10
Concord, New Hampshire 03301-2429
(603) 271-6322
jayson.laflamme@puc.nh.gov

This email has been scanned by the Symantec Email Security.cloud service.

Aquarion Water Company of New Hampshire
2016 Annual WICA Surcharge Filing

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT
CALCULATION OF SURCHARGE

Line						Schedule Ref.		
1								
2	Total Investment through 09/30/2015					DK-1, Pg 3 Col 6b Ln 31	$	2,072,161
3								
4	Accumulated Depreciation					DK-1, Pg 3 Col 8a Ln 31		(38,172)
5								
6	Net Investment					Ln 2 + Ln 4	$	2,033,990
7								
8	Allowed Return on Rate Base					DK-1, Pg 2 Col 10		7.49%
9								
10	Allowed Return on Investment					Ln 6 x Ln 8	$	152,346
11								
12	Income Tax on Equity Component							
13								
14		(a)	(b)	(c)	(d)			
15		Weighted	Tax	Pre tax	Tax Gross Up			
16		Cost	Multiplier	Cost	Col (c) - Col (a)			
17								
18	Debt	3.58%	1.00	3.58%	0.00%			
19	Equity	3.91%	1.68	6.57%	2.66%			
20								
21		7.49%		10.15%	2.66%			
22								
23	Total Eligible Investment (Line 6 above)				$ 2,033,990			
24								
25								
26	Income Tax Expense					Ln 21 Col D X Ln 23		54,104
27								
28	Depreciation Expense					DK-1, Pg 3 Col 8 Ln 31		25,184
29								
30	Property Tax Expense					DK-1, Pg 3 Col 10 Ln 31		45,515
31								
32	Adjustment: Annual Revenues Allowed					Lines 10 + 26 + 28 + 30	$	277,149
33								
34								
35	Base Revenues on which Adjustment will be applied							
36	Revenues allowed DW 12-085						$	7,129,043
37	Misc. Charges not subject to WICA							(189,059)
38							$	6,939,984
39								
40	Surcharge Percent (Line 32 divided by Line 38)							3.99%

Aquarion Water Company of New Hampshire
2016 Annual WICA Surcharge Filing

WATER INFRASTRUCTURE & CONSERVATION ADJUSTMENT
COMPLETED PROJECTS

		1	2	3	4	5	6	7	8	9	10	11	12 = ((4-5) x 10) + 7 + 8 + 9
Line	Project Name or Class Category	Estimated Completion Date**	Actual Completion Date	Estimated Project Cost**	Actual Project Cost	Accumulated Depreciation	Project Cost minus Accumulated Depreciation	Depreciation Expense	Property Tax Expense	Income Tax Expense	Rate of Return	Annual Retail Revenues	WICA Adjustment Dollars
1													
2	**Project Surcharge Approved in DW 13-314**												
3	Production Meters	30-Sep-13	30-Sep-13	$ 18,030	$ 16,466	$ 1,221	$ 15,245	$ 488	$ 313	$ 406	7.49%	$ 7,129,043	2,349
4	Main Replacements	30-Sep-13	30-Sep-13	$ -	$ 689,856	$ 20,134	$ 669,722	$ 8,054	$ 15,002	$ 17,815	7.49%	$ 7,129,043	91,032
5	Hydrants*	30-Sep-13	30-Sep-13	$ 32,700	$ 8,147	$ 435	$ 7,712	$ 174	$ 173	$ 205	7.49%	$ 7,129,043	1,130
6	Services*	30-Sep-13	30-Sep-13	$ 80,600	$ 14,414	$ 630	$ 13,784	$ 252	$ 294	$ 367	7.49%	$ 7,129,043	1,945
7	Valves*	30-Sep-13	30-Sep-13	$ 10,800	$ 5,167	$ 646	$ 4,521	$ 258	$ 98	$ 120	7.49%	$ 7,129,043	815
8				$ 142,130	$ 734,050	$ 23,067	$ 710,983	$ 9,227	$ 15,879	$ 18,912			97,271
9													
10	**Project Surcharge Approved in DW 14-300**												
11	Production Meters	30-Sep-14	30-Sep-14	$ 1,600	$ 3,044	$ 184	$ 2,860	$ 122	$ 64	$ 76	7.49%	$ 7,129,043	477
12	Main Replacements	30-Sep-14	30-Sep-14	$ 937,968	$ 593,603	$ 10,506	$ 583,097	$ 7,004	$ 13,061	$ 15,510	7.49%	$ 7,129,043	79,249
13				$ 939,568	$ 596,646	$ 10,689	$ 585,957	$ 7,126	$ 13,125	$ 15,586			79,726
14													
15	**Project Surcharge Proposed Herein**												
16	Main Replacements	30-Sep-15	30-Sep-15	$ 741,465	$ 741,465	$ 4,416	$ 737,049	$ 8,831	$ 16,510	$ 19,606	7.49%	$ 7,129,043	100,152
17				$ 741,465	$ 741,465	$ 4,416	$ 737,049	$ 8,831	$ 16,510	$ 19,606			100,152
18													
19													
20	**TOTALS**			$ 1,823,163	$ 2,072,161	$ 38,172	$ 2,033,990	$ 25,184	$ 45,515	$ 54,104			$ 277,149
21													
22	* Emergency Replacement												
23	* * Per Docket Filing DW 14-300												

Aquarion Water Company of New Hampshire
2016 Annual WICA Surcharge Filing

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT
ELIGIBLE PROJECTS PLACED IN SERVICE

Line	Description of Project Street	Town	1 PUC Acct	2 Depr Rate	3 Type of Project**	4 Date in Service	5 Date of 1st Filing	6a Total Capital Costs	6b Eligible Capital Costs	7a Total Retirements	7b Eligible Retirements	8 = (6b - 7b) x 2 Depreciation Expense	8a = 8 x 50% Accumulated Depreciation	9 Mil Rates Town	State	Total	10 = (((6b-8a)/1000) x 12) Prop. Tax Expense
1																	
2	**Project Surcharge Approved in DW 13-314**																
3																	
4	Production Meters	Rye	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 3,432	$ 3,432	$ 3,033	$ 3,033	$ 18	$ 44	9.02	6.60	15.62	$ 53
5	Production Meters	North Hampton	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 4,511	$ 4,511	$ 2,331	$ 2,331	$ 96	$ 240	14.53	6.60	21.13	$ 90
6	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 8,522	$ 8,522	$ -	$ -	$ 375	$ 937	15.80	6.60	22.40	$ 170
7	Church Street-Highland Avenue to Williams Street	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 133,335	$ 133,335	$ 6,243	$ 6,243	$ 1,525	$ 3,813	15.80	6.60	22.40	$ 2,901
8	Auburn Avenue	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 206,750	$ 206,750	$ 10,346	$ 10,346	$ 2,357	$ 5,892	15.80	6.60	22.40	$ 4,499
9	Auburn Avenue Extension	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 85,554	$ 85,554	$ 359	$ 359	$ 1,022	$ 2,556	15.80	6.60	22.40	$ 1,859
10	Perkins Avenue	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 264,216	$ 264,216	$ 1,760	$ 1,760	$ 3,149	$ 7,874	15.80	6.60	22.40	$ 5,742
11	Hydrants*	Hampton	348	2.40%	Hydrants	9/30/2013	10/31/2013	$ 22,839	$ 8,147	$ 2,498	$ 891	$ 174	$ 435	15.80	6.60	22.40	$ 173
12	Services*	Hampton	345	1.85%	Services	9/30/2013	10/31/2013	$ 33,941	$ 12,108	$ 1,994	$ 711	$ 211	$ 527	15.80	6.60	22.40	$ 259
13	Services*	Rye	345	1.85%	Services	9/30/2013	10/31/2013	$ 6,464	$ 2,306	$ 230	$ 82	$ 41	$ 103	9.02	6.60	15.62	$ 34
14	Valves*	Hampton	349	5.00%	Other T&D Plant	9/30/2013	10/31/2013	$ 6,351	$ 2,265	$ -	$ -	$ 113	$ 283	15.80	6.60	22.40	$ 44
15	Valves*	North Hampton	349	5.00%	Other T&D Plant	9/30/2013	10/31/2013	$ 8,133	$ 2,901	$ -	$ -	$ 145	$ 363	14.53	6.60	21.13	$ 54
16								$ 784,050	$ 734,050	$ 28,794	$ 25,757	$ 9,227	$ 23,067				$ 15,879
17	**Project Surcharge Approved in DW 14-300**																
18																	
19	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2014	10/31/2014	$ 3,044	$ 3,044	$ 264	$ 264	$ 122	$ 184	15.80	6.60	22.40	$ 64
20	Well 9 Transmission Main	Hampton	343	1.20%	Main Replacement	9/30/2014	10/31/2014	$ 57,506	$ 57,506	$ 3,160	$ 3,160	$ 652	$ 978	15.80	6.60	22.40	$ 1,266
21	Ocean Boulevard- Dumas Ave to Winnacunnet Rd	Hampton	343	1.20%	Main Replacement	9/30/2014	10/31/2014	$ 536,096	$ 536,096	$ 6,801	$ 6,801	$ 6,352	$ 9,527	15.80	6.60	22.40	$ 11,795
22								$ 596,646	$ 596,646	$ 10,225	$ 10,225	$ 7,126	$ 10,689				$ 13,125
23	**Project Surcharge Proposed Herein**																
24																	
25	Great Boars Head - Cliff Circle to Ocean Blvd	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$169,733	$ 169,733	$551	$ 551	$ 2,030	$ 1,015	15.80	6.60	22.40	$ 3,779
26	Kings Hwy - 11th, 13th, 14th & 15th St	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$385,374	$ 385,374	$2,324	$ 2,324	$ 4,597	$ 2,298	15.80	6.60	22.40	$ 8,581
27	Ross Avenue	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$186,358	$ 186,358	$2,637	$ 2,637	$ 2,205	$ 1,102	15.80	6.60	22.40	$ 4,150
28								$ 741,465	$ 741,465	$ 5,512	$ 5,512	$ 8,831	$ 4,416				$ 16,510
29																	
30																	
31							**TOTALS**	$ 2,122,161	$ 2,072,161	$ 44,532	$ 41,494	$ 25,184	$ 38,172				$ 45,515
32									to DK-1, Pg 1, Ln 2			to DK-1, Pg 1, Ln 28	to DK-1, Pg 1, Ln 4				to DK-1, Pg 1, Ln 30

***Total capital costs are reduced by $50,000 proportionately per Order No. 25,539. Retirements are also proportionately reduced.**
**** Type of Project (designations will be given for various types of projects)**

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT

In addition to the net charges provided for in this Tariff, a Water Infrastructure and Conservation Adjustment ("WICA") surcharge of ~~*2.5386*~~*3.99*% will apply to all bills with services rendered on or after January 1, ~~2015~~2016.

I. General Description

Purpose: To recover the fixed costs (depreciation, property taxes and pre-tax return) of certain Commission-approved non-revenue producing system improvement projects completed and placed in service and to be recorded in the individual accounts, as noted below, between base rate cases. In addition, WICA provides the Company with the resources to accelerate asset replacement for infrastructure for the purpose of improving or protecting water quality and the reliability of service and to comply with evolving regulatory requirements imposed by the Safe Drinking Water Act.

Eligible Property: The WICA-eligible property will consist of the following:

Services over and above an annual; $50,000 threshold (account 333) and hydrants (account 335) installed as in-kind (i.e., same size) replacements for customers;

mains and valves (account 331) installed as replacements for existing facilities that have either reached the end of their useful life, are worn out or are in deteriorated condition,

main cleaning and re-lining projects and relocations that are non-reimbursable (account 331);

replacement of production meters (account 304); and

replacement of pressure reducing valves (accounts 309, 331);

II. Computation of the WICA

Calculation: The initial charge, effective January 1, 2011, will be calculated to recover the fixed costs of eligible plant additions that have not previously been reflected in the Company's rate base and will have been placed in service between January 1, 2010 and September 30, 2010. Thereafter, the WICA will be updated on an annual basis to reflect eligible plant additions placed in service during the twelve month period ending three months prior to the effective date of each WICA update (the "Project Year"). Thus, changes in the WICA rate will occur as follows:

Issued: ~~March 11, 2015~~January 1, 2016 Issued by:________________________
Donald Morrissey

Effective: January 1, ~~2015~~ 2016 Title: Chief Financial Officer________
As authorized in order ~~25,751~~XX,XXX in Case DW ~~14-300~~15-~~XXX~~476

Effective Date Of WICA Change	Date To Which WICA Eligible Plant Additions Reflected
January 1, 2XXX+1	September 30, 2XXX

The fixed costs of eligible infrastructure system improvement projects will consist of depreciation, property taxes and pre-tax return, calculated as follows:

Depreciation: The depreciation expense will be calculated by applying the depreciation rates employed in the Company's last base rate case for the plant accounts to the original cost of WICA-eligible property minus the corresponding retirement unit recorded.

Property Taxes: ~~For the first year that a WICA for any particular project is in effect, t~~The property tax expense will reflect an estimate of the tax expense for such projects based on ~~the tax rate then in effect. If such property taxes will be due for only a portion of the calendar year, then the WICA for the first year shall reflect only the property taxes projected to be paid. For the second and subsequent years that a WICA for those projects is in effect, the WICA shall be determined using~~ the property tax rate in effect for each town at the end of the most recent P~~p~~roject Y~~y~~ear completed (the "tax rate"), and shall be applied to the cumulative P~~p~~roject Y~~y~~ear ending net book value of all eligible WICA projects included from the first P~~p~~roject Y~~y~~ear thru the end of the most recent P~~p~~roject Y~~y~~ear.~~taxes due and owing for such projects based on the tax bill for a full tax year. The WICA shall not be adjusted in subsequent years, regardless of any change in the taxes originally assessed~~.

Pre-tax return: The pre-tax return will be calculated using the state and federal income tax rates. The cost of equity and debt will be the rates approved in the Company's last base rate case, DW 08-098, or a subsequent docket.

WICA Surcharge Amount: The charge will be expressed as a percentage carried to ~~four~~ two decimal places and will be applied to the effective portion of the total amount billed to each customer under the Company's otherwise applicable rates and charges.

Formula: The formula for calculation of the WICA surcharge is as follows:

WICA= (ISI x PTRR) + Dep + PT

Issued: ~~September 25, 2009~~January 1, 2016 Issued by:________________________
Donald Morrissey

Effective: ~~September 25, 2009~~January 1, 2016 Title: Chief Financial Officer
As authorized in order ~~25,019~~XX,XXX in Case DW ~~08-098~~15-476

BRWR

Where:

Issued: ~~September 25, 2009~~January 1, 2016

Issued by:________________________

Donald Morrissey

Effective: ~~September 25, 2009~~January 1, 2016

Title: Chief Financial Officer

As authorized in order ~~25,019~~XX,XXX in Case DW ~~08-098~~15-476

ISI= the original cost to the Company of eligible infrastructure system improvement projects, less accumulated depreciation.

PTRR= the pre-tax return rate applicable to eligible infrastructure system improvement projects.

Dep= annual depreciation expense related to eligible infrastructure system improvement projects.

PT= annual property taxes related to eligible infrastructure system improvement projects.

BRWR= base retail water revenues as approved by the Commission in the Company's last rate proceeding, DW 08-098, or a subsequent docket.

Annual updates: Supporting data for each annual update will be filed with the Commission and the Office of Consumer Advocate sixty (60) days prior to the effective date of the update. The Company shall also provide notice to the Towns.

III. Safeguards

Cap: The amount of the WICA applied between general rate case filings shall not exceed seven and one-half percent (7.5%) of the Company's annual retail water revenues as approved in its most recent rate filing, and shall not exceed five percent (5%) of such revenues for any twelve-month period.

Project Changes: If, after the Company has received Commission approval for Year 1 projects, because of changed circumstances or significant new information the Company plans to undertake projects in Year 1 that were not included on the list of approved WICA projects for that year or it has decided not to proceed with one or more projects that were included on the Commission-approved list, it shall promptly notify the Commission and all parties to the proceeding in which the list of WICA projects was approved that the Company plans to add to or delete projects and the reason for the proposed changes, in accordance with the following schedule. The Company will submit updates for approved WICA projects for subsequent project years, based upon information known on a project year-to-date basis, from the beginning of the project year through the following effective dates, on the associated reporting dates:

Issued: ~~April 1, 2014~~January 1, 2016 Issued by:__________________________
Donald Morrissey

Effective: ~~April 1, 2014~~January 1, 2016 Title: Chief Financial Officer________
As authorized in order ~~25,668~~XX,XXX in Case DW ~~13-314~~15-476

Effective Date	Reporting Date
December 31	January 15
March 31	April 15
June 30	July 15
September 30	October 15

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Issued: ~~April 1, 2014~~January 1, 2016 Issued by:____________________________
Donald Morrissey

Effective: ~~April 1, 2014~~January 1, 2016 Title: Chief Financial Officer_________
As authorized in order ~~25,668~~XX,XXX in Case DW ~~13-314~~15-476

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Audits: The WICA will be subject to audit prior to the determination by the Commission.

New Base Rates: The WICA charge will be reset at zero as of the effective date of new base rates that provide for prospective recovery of the annual costs that had theretofore been recovered under the WICA. Thereafter, only the fixed costs of new eligible plant additions, that have not previously been reflected in the Company's rate base, would be reflected in the annual updates of the WICA.

Customer Notice: Customers shall be notified of changes in the WICA by including appropriate information on the first bill they receive following any change. An explanatory bill insert shall also be included with the first billing. Before sending, the Company will review the notice with the Commission's Consumer Affairs division.

Issued: April 1, 2014 Issued by:_________________________
Donald Morrissey

Effective: April 1, 2014 Title: Chief Financial Officer_________
As authorized in order 25,668 in Case DW 13-314

Aquarion Water Company of New Hampshire
2017 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT
CALCULATION OF SURCHARGE

Line						Schedule Ref.		
1								
2	Total Investment through 09/30/2016					2017 3 Col 6b Ln 33	$	3,116,161
3								
4	Accumulated Depreciation					2017 3 Col 8a Ln 33		(69,630)
5								
6	Net Investment					Ln 2 + Ln 4	$	3,046,531
7								
8	Allowed Return on Rate Base					2017 2 Col 10		7.49%
9								
10	Allowed Return on Investment					Ln 6 x Ln 8	$	228,185
11								
12	Income Tax on Equity Component							
13								
14		(a)	(b)	(c)	(d)			
15		Weighted	Tax	Pre tax	Tax Gross Up			
16		Cost	Multiplier	Cost	Col (c) - Col (a)			
17								
18	Debt	3.58%	1.00	3.58%	0.00%			
19	Equity	3.91%	1.68	6.57%	2.66%			
20								
21		7.49%		10.15%	2.66%			
22								
23	Total Eligible Investment (Line 6 above)				$ 3,046,531			
24								
25								
26	Income Tax Expense					Ln 21 Col D X Ln 23		81,038
27								
28	Depreciation Expense					2017 3 Col 8 Ln 33		37,733
29								
30	Property Tax Expense					2017 3 Col 10 Ln 33		68,196
31								
32	Adjustment: Annual Revenues Allowed					Lines 10 + 26 + 28 + 30	$	415,153
33								
34								
35	Base Revenues on which Adjustment will be applied							
36	Revenues allowed DW 12-085						$	7,129,043
37	Misc. Charges not subject to WICA							(189,059)
38							$	6,939,984
39								
40	Surcharge Percent (Line 32 divided by Line 38)							5.98%

Aquarion Water Company of New Hampshire
2017 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE & CONSERVATION ADJUSTMENT
COMPLETED PROJECTS

		1	2	3	4	5	6	7	8	9	10	11	12 = ((4-5) x 10) + 7 + 8 + 9
Line	Project Name or Class Category	Estimated Completion Date**	Actual Completion Date	Estimated Project Cost**	Actual Project Cost	Accumulated Depreciation	Project Cost minus Accumulated Depreciation	Depreciation Expense	Property Tax Expense	Income Tax Expense	Rate of Return	Annual Retail Revenues	WICA Adjustment Dollars
1	**2013 Projects**												
2	Production Meters	30-Sep-13	30-Sep-13	$ 18,030	$ 16,466	$ 1,710	$ 14,756	$ 488	$ 302	$ 393	7.49%	$ 7,129,043	2,289
3	Main Replacements	30-Sep-13	30-Sep-13	$ -	$ 689,856	$ 28,188	$ 661,668	$ 8,054	$ 14,821	$ 17,600	7.49%	$ 7,129,043	90,034
4	Hydrants*	30-Sep-13	30-Sep-13	$ 32,700	$ 8,147	$ 610	$ 7,538	$ 174	$ 169	$ 201	7.49%	$ 7,129,043	1,108
5	Services*	30-Sep-13	30-Sep-13	$ 80,600	$ 14,414	$ 882	$ 13,532	$ 252	$ 288	$ 360	7.49%	$ 7,129,043	1,914
6	Valves*	30-Sep-13	30-Sep-13	$ 10,800	$ 5,167	$ 904	$ 4,263	$ 258	$ 92	$ 113	7.49%	$ 7,129,043	783
7				$ 142,130	$ 734,050	$ 32,294	$ 701,757	$ 9,227	$ 15,673	$ 18,667			96,128
8													
9	**2014 Projects**												
10	Production Meters	30-Sep-14	30-Sep-14	$ 1,600	$ 3,044	$ 306	$ 2,738	$ 122	$ 61	$ 73	7.49%	$ 7,129,043	462
11	Main Replacements	30-Sep-14	30-Sep-14	$ 937,968	$ 593,603	$ 17,509	$ 576,093	$ 7,004	$ 12,904	$ 15,324	7.49%	$ 7,129,043	78,382
12				$ 939,568	$ 596,646	$ 17,815	$ 578,831	$ 7,126	$ 12,966	$ 15,397			78,843
13													
14	**2015 Projects**												
15	Main Replacements	30-Sep-15	30-Sep-15	$ 741,465	$ 741,465	$ 13,247	$ 728,217	$ 8,831	$ 16,312	$ 19,371	7.49%	$ 7,129,043	99,058
16				$ 741,465	$ 741,465	$ 13,247	$ 728,217	$ 8,831	$ 16,312	$ 19,371			99,058
17													
18	**2016 Projects**												
19	Production Meters	30-Sep-16	30-Sep-16	$ 1,600	$ 7,000	$ 141	$ 6,859	$ 281	$ 154	$ 182	7.49%	$ 7,129,043	1,131
20	Main Replacements	30-Sep-16	30-Sep-16	$1,037,000	$ 1,037,000	$ 6,134	$ 1,030,866	$ 12,268	$ 23,091	$ 27,421	7.49%	$ 7,129,043	139,992
21				$1,038,600	$ 1,044,000	$ 6,275	$ 1,037,725	$ 12,549	$ 23,245	$ 27,603			141,123
22													
23	**TOTALS**			$ 2,861,763	$ 3,116,161	$ 69,630	$ 3,046,531	$ 37,733	$ 68,196	$ 81,038			$ 415,153
24													
25	* Emergency Replacement												
26	* * Per Docket Filing DW 13-314												
27													

Aquarion Water Company of New Hampshire
2017 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT
ELIGIBLE PROJECTS PLACED IN SERVICE

Line	Description of Project		1 PUC Acct	2 Depr Rate	3 Type of Project**	4 Date in Service	5 Date of 1st Filing	6a Total Capital Costs	6b Eligible Capital Costs	7a Total Retirements	7b Eligible Retirements	8 = (6b - 7b) x 2 Depreciation Expense	8a = 8 x 50% Accumulated Depreciation	9 Mil Rates Town	State	Total	10 = (((6b-8a)/1000) x 12) Prop. Tax Expense
	Street	Town															
	2013 Projects																
1	Production Meters	Rye	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 3,432	$ 3,432	$ 3,033	$ 3,033	$ 18	$ 61	9.02	6.60	15.62	$ 53
2	Production Meters	North Hampton	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 4,511	$ 4,511	$ 2,331	$ 2,331	$ 96	$ 336	14.53	6.60	21.13	$ 88
3	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 8,522	$ 8,522	$ -	$ -	$ 375	$ 1,312	15.80	6.60	22.40	$ 162
4	Church Street-Highland Avenue to Williams Street	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 133,335	$ 133,335	$ 6,243	$ 6,243	$ 1,525	$ 5,338	15.80	6.60	22.40	$ 2,867
5	Auburn Avenue	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 206,750	$ 206,750	$ 10,346	$ 10,346	$ 2,357	$ 8,249	15.80	6.60	22.40	$ 4,446
6	Auburn Avenue Extension	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 85,554	$ 85,554	$ 359	$ 359	$ 1,022	$ 3,578	15.80	6.60	22.40	$ 1,836
7	Perkins Avenue	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 264,216	$ 264,216	$ 1,760	$ 1,760	$ 3,149	$ 11,023	15.80	6.60	22.40	$ 5,672
8	Hydrants*	Hampton	348	2.40%	Hydrants	9/30/2013	10/31/2013	$ 22,839	$ 8,147	$ 2,498	$ 891	$ 174	$ 610	15.80	6.60	22.40	$ 169
9	Services*	Hampton	345	1.85%	Services	9/30/2013	10/31/2013	$ 33,941	$ 12,108	$ 1,994	$ 711	$ 211	$ 738	15.80	6.60	22.40	$ 255
10	Services*	Rye	345	1.85%	Services	9/30/2013	10/31/2013	$ 6,464	$ 2,306	$ 230	$ 82	$ 41	$ 144	9.02	6.60	15.62	$ 34
11	Valves*	Hampton	349	5.00%	Other T&D Plant	9/30/2013	10/31/2013	$ 6,351	$ 2,265	$ -	$ -	$ 113	$ 396	15.80	6.60	22.40	$ 42
12	Valves*	North Hampton	349	5.00%	Other T&D Plant	9/30/2013	10/31/2013	$ 8,133	$ 2,901	$ -	$ -	$ 145	$ 508	14.53	6.60	21.13	$ 51
13								$ 784,050	$ 734,050	$ 28,794	$ 25,757	$ 9,227	$ 32,294				$ 15,673
14																	
15	**2014 Projects**																
16	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2014	10/31/2014	$ 3,044	$ 3,044	$ 264	$ 264	$ 122	$ 306	15.80	6.60	22.40	$ 61
17	Well 9 Transmission Main	Hampton	343	1.20%	Main Replacement	9/30/2014	10/31/2014	$ 57,506	$ 57,506	$ 3,160	$ 3,160	$ 652	$ 1,630	15.80	6.60	22.40	$ 1,252
18	Ocean Boulevard- Dumas Ave to Winnacunnet Rd	Hampton	343	1.20%	Main Replacement	9/30/2014	10/31/2014	$ 536,096	$ 536,096	$ 6,801	$ 6,801	$ 6,352	$ 15,879	15.80	6.60	22.40	$ 11,653
19								$ 596,646	$ 596,646	$ 10,225	$ 10,225	$ 7,126	$ 17,815				$ 12,966
20																	
21	**2015 Projects**																
22	Great Boars Head - Cliff Circle to Ocean Blvd	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$169,733	$ 169,733	$551	$ 551	$ 2,030	$ 3,045	15.80	6.60	22.40	$ 3,734
23	Kings Hwy - 11th, 13th, 14th & 15th St	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$385,374	$ 385,374	$2,324	$ 2,324	$ 4,597	$ 6,895	15.80	6.60	22.40	$ 8,478
24	Ross Avenue	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$186,358	$ 186,358	$2,637	$ 2,637	$ 2,205	$ 3,307	15.80	6.60	22.40	$ 4,100
25								$741,465	$741,465	$5,512	$5,512	$8,831	$13,247				$ 16,312
26																	
27	**2016 Projects**																
28	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2016	10/31/2016	$ 7,000	$ 7,000	$606	$ 606	$ 281	$ 141	15.80	6.60	22.40	$ 154
29	Lafayette Rd: H068 to Park Ave (south)	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 121,000	$ 121,000	$1,712	$ 1,712	$ 1,431	$ 716	15.80	6.60	22.40	$ 2,694
30	Lafayette Rd: H068 to Park Ave (north)	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 84,000	$ 84,000	$1,189	$ 1,189	$ 994	$ 497	15.80	6.60	22.40	$ 1,870
31	Lafayette Rd: Park Ave (north) to Stickney Terr	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 72,000	$ 72,000	$1,019	$ 1,019	$ 852	$ 426	15.80	6.60	22.40	$ 1,603
32	Lafayette Rd: Stickney Terr to Winnacunnet Rd	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 245,000	$ 245,000	$3,467	$ 3,467	$ 2,898	$ 1,449	15.80	6.60	22.40	$ 5,456
33	Manchester St: off Ashworth Ave	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 136,000	$ 136,000	$1,924	$ 1,924	$ 1,609	$ 804	15.80	6.60	22.40	$ 3,028
34	North Shore Rd: Cusack Rd to Quinlan Ln	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 271,000	$ 271,000	$3,835	$ 3,835	$ 3,206	$ 1,603	15.80	6.60	22.40	$ 6,034
35	Sunsurf Ave: off Cliff Ave	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 108,000	$ 108,000	$1,528	$ 1,528	$ 1,278	$ 639	15.80	6.60	22.40	$ 2,405
36								$ 1,044,000	$ 1,044,000	$ 15,280	$ 15,280	$ 12,549	$ 6,275				$ 23,245
37																	
38							**TOTALS**	$ 3,166,161	$ 3,116,161	$ 59,812	$ 56,774	$ 37,733	$ 69,630				$ 68,196
39									to 2017 1, Ln 2			to 2017 1, Ln 28	to 2017 1, Ln 4				to 2017 1, Ln 30

***Total capital costs are reduced by $50,000 proportionately per Order No. 25,539. Retirements are also proportionately reduced.**
**** Type of Project (designations will be given for various types of projects)**

Aquarion Water Company of New Hampshire
2018 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT
CALCULATION OF SURCHARGE

Line						Schedule Ref.		
1								
2	Total Investment through 09/30/2017					2018 3 Col 6b Ln 45	$	4,190,161
3								
4	Accumulated Depreciation					2018 3 Col 8a Ln 45		(113,816)
5								
6	Net Investment					Ln 2 + Ln 4	$	4,076,345
7								
8	Allowed Return on Rate Base					2018 2 Col 10		7.49%
9								
10	Allowed Return on Investment					Ln 6 x Ln 8	$	305,318
11								
12	Income Tax on Equity Component							
13								
14		(a)	(b)	(c)	(d)			
15		Weighted	Tax	Pre tax	Tax Gross Up			
16		Cost	Multiplier	Cost	Col (c) - Col (a)			
17								
18	Debt	3.58%	1.00	3.58%	0.00%			
19	Equity	3.91%	1.68	6.57%	2.66%			
20								
21		7.49%		10.15%	2.66%			
22								
23	Total Eligible Investment (Line 6 above)				$ 4,076,345			
24								
25								
26	Income Tax Expense					Ln 21 Col D X Ln 23		108,431
27								
28	Depreciation Expense					2018 3 Col 8 Ln 45		50,638
29								
30	Property Tax Expense					2018 3 Col 10 Ln 45		90,630
31								
32	Adjustment: Annual Revenues Allowed					Lines 10 + 26 + 28 + 30	$	555,017
33								
34								
35	Base Revenues on which Adjustment will be applied							
36	Revenues allowed DW 12-085						$	7,129,043
37	Misc. Charges not subject to WICA							(189,059)
38							$	6,939,984
39								
40	Surcharge Percent (Line 32 divided by Line 38)							8.00%

Aquarion Water Company of New Hampshire
2018 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE & CONSERVATION ADJUSTMENT
COMPLETED PROJECTS

		1	2	3	4	5	6	7	8	9	10	11	12 = ((4-5) x 10) + 7 + 8 + 9
Line	Project Name or Class Category	Estimated Completion Date**	Actual Completion Date	Estimated Project Cost**	Actual Project Cost	Accumulated Depreciation	Project Cost minus Accumulated Depreciation	Depreciation Expense	Property Tax Expense	Income Tax Expense	Rate of Return	Annual Retail Revenues	WICA Adjustment Dollars
1	**2013 Projects**												
2	Production Meters	30-Sep-13	30-Sep-13	$ 18,030	$ 16,466	$ 2,198	$ 14,268	$ 488	$ 292	$ 380	7.49%	$ 7,129,043	2,228
3	Main Replacements	30-Sep-13	30-Sep-13	$ -	$ 689,856	$ 36,242	$ 653,614	$ 8,054	$ 14,641	$ 17,386	7.49%	$ 7,129,043	89,037
4	Hydrants*	30-Sep-13	30-Sep-13	$ 32,700	$ 8,147	$ 784	$ 7,364	$ 174	$ 165	$ 196	7.49%	$ 7,129,043	1,087
5	Services*	30-Sep-13	30-Sep-13	$ 80,600	$ 14,414	$ 1,134	$ 13,280	$ 252	$ 283	$ 353	7.49%	$ 7,129,043	1,883
6	Valves*	30-Sep-13	30-Sep-13	$ 10,800	$ 5,167	$ 1,163	$ 4,004	$ 258	$ 87	$ 107	7.49%	$ 7,129,043	752
				$ 142,130	$ 734,050	$ 41,520	$ 692,530	$ 9,227	$ 15,468	$ 18,421			94,986
7	**2014 Projects**												
8	Production Meters	30-Sep-14	30-Sep-14	$ 1,600	$ 3,044	$ 428	$ 2,616	$ 122	$ 59	$ 70	7.49%	$ 7,129,043	446
9	Main Replacements	30-Sep-14	30-Sep-14	$ 937,968	$ 593,603	$ 24,513	$ 569,090	$ 7,004	$ 12,748	$ 15,138	7.49%	$ 7,129,043	77,514
				$ 939,568	$ 596,646	$ 24,941	$ 571,705	$ 7,126	$ 12,806	$ 15,207			77,960
10	**2015 Projects**												
11	Main Replacements	30-Sep-15	30-Sep-15	$ 741,465	$ 741,465	$ 22,079	$ 719,386	$ 8,831	$ 16,114	$ 19,136	7.49%	$ 7,129,043	97,963
				$ 741,465	$ 741,465	$ 22,079	$ 719,386	$ 8,831	$ 16,114	$ 19,136			97,963
12	**2016 Projects**												
13	Production Meters	30-Sep-16	30-Sep-16	$ 1,600	$ 7,000	$ 422	$ 6,578	$ 281	$ 147	$ 175	7.49%	$ 7,129,043	1,096
14	Main Replacements	30-Sep-16	30-Sep-16	$ 1,037,000	$ 1,037,000	$ 18,402	$ 1,018,598	$ 12,268	$ 22,817	$ 27,095	7.49%	$ 7,129,043	138,472
				$ 1,038,600	$ 1,044,000	$ 18,824	$ 1,025,176	$ 12,549	$ 22,964	$ 27,270			139,569
15	**2017 Projects**												
16	Production Meters	30-Sep-17	30-Sep-17	$ 1,600	$ 7,000	$ 141	$ 6,859	$ 281	$ 154	$ 182	7.49%	$ 7,129,043	1,131
17	Main Replacements	30-Sep-17	30-Sep-17	$ 1,067,000	$ 1,067,000	$ 6,311	$ 1,060,689	$ 12,623	$ 23,124	$ 28,214	7.49%	$ 7,129,043	143,407
				$ 1,068,600	$ 1,074,000	$ 6,452	$ 1,067,548	$ 12,904	$ 23,278	$ 28,397			144,538
18													
19	**TOTALS**			$ 3,930,363	$ 4,190,161	$ 113,816	$ 4,076,345	$ 50,638	$ 90,630	$ 108,431			$ 555,017
20													
21	* Emergency Replacement												
22	* * Per Docket Filing DW 13-314												
23													

Aquarion Water Company of New Hampshire
2018 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT
ELIGIBLE PROJECTS PLACED IN SERVICE

Line	Description of Project Street	Town	1 PUC Acct	2 Depr Rate	3 Type of Project**	4 Date in Service	5 Date of 1st Filing	6a Total Capital Costs	6b Eligible Capital Costs	7a Total Retirements	7b Eligible Retirements	8 = (6b - 7b) x 2 Depreciation Expense	8a = 8 x 50% Accumulated Depreciation	9 Mil Rates Town	 State	 Total	10 = (((6b-8a)/1000) x 12) Prop. Tax Expense
	2013 Projects																
1	Production Meters	Rye	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 3,432	$ 3,432	$ 3,033	$ 3,033	$ 18	$ 79	9.02	6.60	15.62	$ 52
2	Production Meters	North Hampton	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 4,511	$ 4,511	$ 2,331	$ 2,331	$ 96	$ 432	14.53	6.60	21.13	$ 86
3	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 8,522	$ 8,522	$ -	$ -	$ 375	$ 1,687	15.80	6.60	22.40	$ 153
4	Church Street-Highland Avenue to Williams Street	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 133,335	$ 133,335	$ 6,243	$ 6,243	$ 1,525	$ 6,863	15.80	6.60	22.40	$ 2,833
5	Auburn Avenue	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 206,750	$ 206,750	$ 10,346	$ 10,346	$ 2,357	$ 10,606	15.80	6.60	22.40	$ 4,394
6	Auburn Avenue Extension	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 85,554	$ 85,554	$ 359	$ 359	$ 1,022	$ 4,601	15.80	6.60	22.40	$ 1,813
7	Perkins Avenue	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 264,216	$ 264,216	$ 1,760	$ 1,760	$ 3,149	$ 14,173	15.80	6.60	22.40	$ 5,601
8	Hydrants*	Hampton	348	2.40%	Hydrants	9/30/2013	10/31/2013	$ 22,839	$ 8,147	$ 2,498	$ 891	$ 174	$ 784	15.80	6.60	22.40	$ 165
9	Services*	Hampton	345	1.85%	Services	9/30/2013	10/31/2013	$ 33,941	$ 12,108	$ 1,994	$ 711	$ 211	$ 949	15.80	6.60	22.40	$ 250
10	Services*	Rye	345	1.85%	Services	9/30/2013	10/31/2013	$ 6,464	$ 2,306	$ 230	$ 82	$ 41	$ 185	9.02	6.60	15.62	$ 33
11	Valves*	Hampton	349	5.00%	Other T&D Plant	9/30/2013	10/31/2013	$ 6,351	$ 2,265	$ -	$ -	$ 113	$ 510	15.80	6.60	22.40	$ 39
12	Valves*	North Hampton	349	5.00%	Other T&D Plant	9/30/2013	10/31/2013	$ 8,133	$ 2,901	$ -	$ -	$ 145	$ 653	14.53	6.60	21.13	$ 48
13								$ 784,050	$ 734,050	$ 28,794	$ 25,757	$ 9,227	$ 41,520				$ 15,468
14																	
15	**2014 Projects**																
16	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2014	10/31/2014	$ 3,044	$ 3,044	$ 264	$ 264	$ 122	$ 428	15.80	6.60	22.40	$ 59
17	Well 9 Transmission Main	Hampton	343	1.20%	Main Replacement	9/30/2014	10/31/2014	$ 57,506	$ 57,506	$ 3,160	$ 3,160	$ 652	$ 2,283	15.80	6.60	22.40	$ 1,237
18	Ocean Boulevard- Dumas Ave to Winnacunnet Rd	Hampton	343	1.20%	Main Replacement	9/30/2014	10/31/2014	$ 536,096	$ 536,096	$ 6,801	$ 6,801	$ 6,352	$ 22,230	15.80	6.60	22.40	$ 11,511
19								$ 596,646	$ 596,646	$ 10,225	$ 10,225	$ 7,126	$ 24,941				$ 12,806
20																	
21	**2015 Projects**																
22	Great Boars Head - Cliff Circle to Ocean Blvd	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$169,733	$ 169,733	$551	$ 551	$ 2,030	$ 5,075	15.80	6.60	22.40	$ 3,688
23	Kings Hwy - 11th, 13th, 14th & 15th St	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$385,374	$ 385,374	$2,324	$ 2,324	$ 4,597	$ 11,491	15.80	6.60	22.40	$ 8,375
24	Ross Avenue	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$186,358	$ 186,358	$2,637	$ 2,637	$ 2,205	$ 5,512	15.80	6.60	22.40	$ 4,051
25								$741,465	$741,465	$5,512	$5,512	$8,831	$22,079				$ 16,114
26																	
27	**2016 Projects**																
28	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2016	10/31/2016	$ 7,000	$ 7,000	$606	$ 606	$ 281	$ 422	15.80	6.60	22.40	$ 147
29	Lafayette Rd: H068 to Park Ave (south)	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 121,000	$ 121,000	$1,712	$ 1,712	$ 1,431	$ 2,147	15.80	6.60	22.40	$ 2,662
30	Lafayette Rd: H068 to Park Ave (north)	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 84,000	$ 84,000	$1,189	$ 1,189	$ 994	$ 1,491	15.80	6.60	22.40	$ 1,848
31	Lafayette Rd: Park Ave (north) to Stickney Terr	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 72,000	$ 72,000	$1,019	$ 1,019	$ 852	$ 1,278	15.80	6.60	22.40	$ 1,584
32	Lafayette Rd: Stickney Terr to Winnacunnet Rd	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 245,000	$ 245,000	$3,467	$ 3,467	$ 2,898	$ 4,348	15.80	6.60	22.40	$ 5,391
33	Manchester St: off Ashworth Ave	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 136,000	$ 136,000	$1,924	$ 1,924	$ 1,609	$ 2,413	15.80	6.60	22.40	$ 2,992
34	North Shore Rd: Cusack Rd to Quinlan Ln	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 271,000	$ 271,000	$3,835	$ 3,835	$ 3,206	$ 4,809	15.80	6.60	22.40	$ 5,963
35	Sunsurf Ave: off Cliff Ave	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 108,000	$ 108,000	$1,528	$ 1,528	$ 1,278	$ 1,916	15.80	6.60	22.40	$ 2,376
36								$ 1,044,000	$ 1,044,000	$ 15,280	$ 15,280	$ 12,549	$ 18,824				$ 22,964
37																	
38	**2017 Projects**																
39	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2017	10/31/2017	$ 7,000	$ 7,000	$606	$ 606	$ 281	$ 141	15.80	6.60	22.40	$ 154
40	High Street: east of Mill Pond Lane	Hampton	343	1.20%	Main Replacement	9/30/2017	10/31/2017	$ 332,000	$ 332,000	$4,698	$ 4,698	$ 3,928	$ 1,964	15.80	6.60	22.40	$ 7,393
41	Winnacunnet Rd: Lafayette Rd. to Towle Av	Hampton	343	1.20%	Main Replacement	9/30/2017	10/31/2017	$ 232,000	$ 232,000	$3,283	$ 3,283	$ 2,745	$ 1,372	15.80	6.60	22.40	$ 5,166
42	Shop Road: transmission main	North Hampton	343	1.20%	Main Replacement	9/30/2017	10/31/2017	$ 503,000	$ 503,000	$7,118	$ 7,118	$ 5,951	$ 2,975	14.53	6.60	21.13	$ 10,566
43								$ 1,074,000	$ 1,074,000	$ 15,704	$ 15,704	$ 12,904	$ 6,452				$ 23,278
44																	
45							**TOTALS**	$ 4,240,161	$ 4,190,161	$ 75,516	$ 72,478	$ 50,638	$ 113,816				$ 90,630
									to 2018 1, Ln 2			to 2018 1, Ln 28	to 2018 1, Ln 4				to 2018 1, Ln 30

***Total capital costs are reduced by $50,000 proportionately per Order No. 25,539. Retirements are also proportionately reduced.**
**** Type of Project (designations will be given for various types of projects)**

Aquarion Water Company of New Hampshire
2019 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT
CALCULATION OF SURCHARGE

Line						Schedule Ref.		
1								
2	Total Investment through 09/30/2018					2019 3 Col 6b Ln 55	$	5,165,161
3								
4	Accumulated Depreciation					2019 3 Col 8a Ln 55		(170,320)
5								
6	Net Investment					Ln 2 + Ln 4	$	4,994,841
7								
8	Allowed Return on Rate Base					2019 2 Col 10		7.49%
9								
10	Allowed Return on Investment					Ln 6 x Ln 8	$	374,114
11								
12	Income Tax on Equity Component							
13								
14		(a)	(b)	(c)	(d)			
15		Weighted	Tax	Pre tax	Tax Gross Up			
16		Cost	Multiplier	Cost	Col (c) - Col (a)			
17								
18	Debt	3.58%	1.00	3.58%	0.00%			
19	Equity	3.91%	1.68	6.57%	2.66%			
20								
21		7.49%		10.15%	2.66%			
22								
23	Total Eligible Investment (Line 6 above)				$ 4,994,841			
24								
25								
26	Income Tax Expense					Ln 21 Col D X Ln 23		132,863
27								
28	Depreciation Expense					2019 3 Col 8 Ln 55		62,371
29								
30	Property Tax Expense					2019 3 Col 10 Ln 55		111,213
31								
32	Adjustment: Annual Revenues Allowed					Lines 10 + 26 + 28 + 30	$	680,560
33								
34								
35	Base Revenues on which Adjustment will be applied							
36	Revenues allowed DW 12-085						$	7,129,043
37	Misc. Charges not subject to WICA							(189,059)
38							$	6,939,984
39								
40	Surcharge Percent (Line 32 divided by Line 38)							9.81%

Aquarion Water Company of New Hampshire
2019 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE & CONSERVATION ADJUSTMENT
COMPLETED PROJECTS

		1	2	3	4	5	6	7	8	9	10	11	12 = ((4-5) x 10) + 7 + 8 + 9
Line	Project Name or Class Category	Estimated Completion Date**	Actual Completion Date	Estimated Project Cost**	Actual Project Cost	Accumulated Depreciation	Project Cost minus Accumulated Depreciation	Depreciation Expense	Property Tax Expense	Income Tax Expense	Rate of Return	Annual Retail Revenues	WICA Adjustment Dollars
1	**2013 Projects**												
2	Production Meters	30-Sep-13	30-Sep-13	$ 18,030	$ 16,466	$ 2,687	$ 13,779	$ 488	$ 281	$ 367	7.49%	$ 7,129,043	2,168
3	Main Replacements	30-Sep-13	30-Sep-13	$ -	$ 689,856	$ 44,296	$ 645,560	$ 8,054	$ 14,461	$ 17,172	7.49%	$ 7,129,043	88,039
4	Hydrants*	30-Sep-13	30-Sep-13	$ 32,700	$ 8,147	$ 958	$ 7,189	$ 174	$ 161	$ 191	7.49%	$ 7,129,043	1,065
5	Services*	30-Sep-13	30-Sep-13	$ 80,600	$ 14,414	$ 1,386	$ 13,028	$ 252	$ 278	$ 347	7.49%	$ 7,129,043	1,852
6	Valves*	30-Sep-13	30-Sep-13	$ 10,800	$ 5,167	$ 1,421	$ 3,746	$ 258	$ 81	$ 100	7.49%	$ 7,129,043	720
7				$ 142,130	$ 734,050	$ 50,747	$ 683,303	$ 9,227	$ 15,262	$ 18,176			93,844
8													
9	**2014 Projects**												
10	Production Meters	30-Sep-14	30-Sep-14	$ 1,600	$ 3,044	$ 551	$ 2,493	$ 122	$ 56	$ 66	7.49%	$ 7,129,043	431
11	Main Replacements	30-Sep-14	30-Sep-14	$ 937,968	$ 593,603	$ 31,517	$ 562,086	$ 7,004	$ 12,591	$ 14,951	7.49%	$ 7,129,043	76,646
12				$ 939,568	$ 596,646	$ 32,067	$ 564,579	$ 7,126	$ 12,647	$ 15,018			77,077
13													
14	**2015 Projects**												
15	Main Replacements	30-Sep-15	30-Sep-15	$ 741,465	$ 741,465	$ 30,910	$ 710,555	$ 8,831	$ 15,916	$ 18,901	7.49%	$ 7,129,043	96,869
16				$ 741,465	$ 741,465	$ 30,910	$ 710,555	$ 8,831	$ 15,916	$ 18,901			96,869
17													
18	**2016 Projects**												
19	Production Meters	30-Sep-16	30-Sep-16	$ 1,600	$ 7,000	$ 703	$ 6,297	$ 281	$ 141	$ 167	7.49%	$ 7,129,043	1,061
20	Main Replacements	30-Sep-16	30-Sep-16	$ 1,037,000	$ 1,037,000	$ 30,670	$ 1,006,330	$ 12,268	$ 22,542	$ 26,768	7.49%	$ 7,129,043	136,952
21				$ 1,038,600	$ 1,044,000	$ 31,373	$ 1,012,627	$ 12,549	$ 22,683	$ 26,936			138,014
22													
23	**2017 Projects**												
24	Production Meters	30-Sep-17	30-Sep-17	$ 1,600	$ 7,000	$ 422	$ 6,578	$ 281	$ 147	$ 175	7.49%	$ 7,129,043	1,096
25	Main Replacements	30-Sep-17	30-Sep-17	$ 1,067,000	$ 1,067,000	$ 18,934	$ 1,048,066	$ 12,623	$ 22,849	$ 27,879	7.49%	$ 7,129,043	141,851
26				$ 1,068,600	$ 1,074,000	$ 19,356	$ 1,054,644	$ 12,904	$ 22,997	$ 28,054			142,947
27													
28	**2018 Projects**												
29	Production Meters	30-Sep-18	30-Sep-16	$ 1,600	$ 7,000	$ 141	$ 6,859	$ 281	$ 154	$ 182	7.49%	$ 7,129,043	1,131
30	Main Replacements	30-Sep-18	30-Sep-16	$ 968,000	$ 968,000	$ 5,726	$ 962,274	$ 11,452	$ 21,555	$ 25,596	7.49%	$ 7,129,043	130,677
31				$ 969,600	$ 975,000	$ 5,866	$ 969,134	$ 11,733	$ 21,709	$ 25,779			131,809
32													
33	**TOTALS**			$ 4,899,963	$ 5,165,161	$ 170,320	$ 4,994,841	$ 62,371	$ 111,213	$ 132,863			$ 680,559
34													

* Emergency Replacement
* * Per Docket Filing DW 13-314

Aquarion Water Company of New Hampshire
2019 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT
ELIGIBLE PROJECTS PLACED IN SERVICE

Line	Description of Project Street	Town	1 PUC Acct	2 Depr Rate	3 Type of Project**	4 Date in Service	5 Date of 1st Filing	6a Total Capital Costs	6b Eligible Capital Costs	7a Total Retirements	7b Eligible Retirements	8 = (6b - 7b) x 2 Depreciation Expense	8a = 8 x 50% Accumulated Depreciation	9 Mil Rates Town	State	Total	10 = (((6b-8a)/1000) x 12) Prop. Tax Expense
	2013 Projects																
1	Production Meters	Rye	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 3,432	$ 3,432	$ 3,033	$ 3,033	$ 18	$ 97	9.02	6.60	15.62	$ 52
2	Production Meters	North Hampton	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 4,511	$ 4,511	$ 2,331	$ 2,331	$ 96	$ 528	14.53	6.60	21.13	$ 84
3	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 8,522	$ 8,522	$ -	$ -	$ 375	$ 2,062	15.80	6.60	22.40	$ 145
4	Church Street-Highland Avenue to Williams Street	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 133,335	$ 133,335	$ 6,243	$ 6,243	$ 1,525	$ 8,388	15.80	6.60	22.40	$ 2,799
5	Auburn Avenue	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 206,750	$ 206,750	$ 10,346	$ 10,346	$ 2,357	$ 12,963	15.80	6.60	22.40	$ 4,341
6	Auburn Avenue Extension	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 85,554	$ 85,554	$ 359	$ 359	$ 1,022	$ 5,623	15.80	6.60	22.40	$ 1,790
7	Perkins Avenue	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 264,216	$ 264,216	$ 1,760	$ 1,760	$ 3,149	$ 17,322	15.80	6.60	22.40	$ 5,530
8	Hydrants*	Hampton	348	2.40%	Hydrants	9/30/2013	10/31/2013	$ 22,839	$ 8,147	$ 2,498	$ 891	$ 174	$ 958	15.80	6.60	22.40	$ 161
9	Services*	Hampton	345	1.85%	Services	9/30/2013	10/31/2013	$ 33,941	$ 12,108	$ 1,994	$ 711	$ 211	$ 1,160	15.80	6.60	22.40	$ 245
10	Services*	Rye	345	1.85%	Services	9/30/2013	10/31/2013	$ 6,464	$ 2,306	$ 230	$ 82	$ 41	$ 226	9.02	6.60	15.62	$ 32
11	Valves*	Hampton	349	5.00%	Other T&D Plant	9/30/2013	10/31/2013	$ 6,351	$ 2,265	$ -	$ -	$ 113	$ 623	15.80	6.60	22.40	$ 37
12	Valves*	North Hampton	349	5.00%	Other T&D Plant	9/30/2013	10/31/2013	$ 8,133	$ 2,901	$ -	$ -	$ 145	$ 798	14.53	6.60	21.13	$ 44
13								$ 784,050	$ 734,050	$ 28,794	$ 25,757	$ 9,227	$ 50,747				$ 15,262
14																	
15	**2014 Projects**																
16	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2014	10/31/2014	$ 3,044	$ 3,044	$ 264	$ 264	$ 122	$ 551	15.80	6.60	22.40	$ 56
17	Well 9 Transmission Main	Hampton	343	1.20%	Main Replacement	9/30/2014	10/31/2014	$ 57,506	$ 57,506	$ 3,160	$ 3,160	$ 652	$ 2,935	15.80	6.60	22.40	$ 1,222
18	Ocean Boulevard- Dumas Ave to Winnacunnet Rd	Hampton	343	1.20%	Main Replacement	9/30/2014	10/31/2014	$ 536,096	$ 536,096	$ 6,801	$ 6,801	$ 6,352	$ 28,582	15.80	6.60	22.40	$ 11,368
19								$ 596,646	$ 596,646	$ 10,225	$ 10,225	$ 7,126	$ 32,067				$ 12,647
20																	
21	**2015 Projects**																
22	Great Boars Head - Cliff Circle to Ocean Blvd	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$169,733	$ 169,733	$551	$ 551	$ 2,030	$ 7,106	15.80	6.60	22.40	$ 3,643
23	Kings Hwy - 11th, 13th, 14th & 15th St	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$385,374	$ 385,374	$2,324	$ 2,324	$ 4,597	$ 16,088	15.80	6.60	22.40	$ 8,272
24	Ross Avenue	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$186,358	$ 186,358	$2,637	$ 2,637	$ 2,205	$ 7,716	15.80	6.60	22.40	$ 4,002
25								$741,465	$741,465	$5,512	$5,512	$8,831	$30,910				$ 15,916
26																	
27	**2016 Projects**																
28	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2016	10/31/2016	$ 7,000	$ 7,000	$606	$ 606	$ 281	$ 703	15.80	6.60	22.40	$ 141
29	Lafayette Rd: H068 to Park Ave (south)	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 121,000	$ 121,000	$1,712	$ 1,712	$ 1,431	$ 3,579	15.80	6.60	22.40	$ 2,630
30	Lafayette Rd: H068 to Park Ave (north)	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 84,000	$ 84,000	$1,189	$ 1,189	$ 994	$ 2,484	15.80	6.60	22.40	$ 1,826
31	Lafayette Rd: Park Ave (north) to Stickney Terr	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 72,000	$ 72,000	$1,019	$ 1,019	$ 852	$ 2,129	15.80	6.60	22.40	$ 1,565
32	Lafayette Rd: Stickney Terr to Winnacunnet Rd	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 245,000	$ 245,000	$3,467	$ 3,467	$ 2,898	$ 7,246	15.80	6.60	22.40	$ 5,326
33	Manchester St: off Ashworth Ave	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 136,000	$ 136,000	$1,924	$ 1,924	$ 1,609	$ 4,022	15.80	6.60	22.40	$ 2,956
34	North Shore Rd: Cusack Rd to Quinlan Ln	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 271,000	$ 271,000	$3,835	$ 3,835	$ 3,206	$ 8,015	15.80	6.60	22.40	$ 5,891
35	Sunsurf Ave: off Cliff Ave	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 108,000	$ 108,000	$1,528	$ 1,528	$ 1,278	$ 3,194	15.80	6.60	22.40	$ 2,348
36								$ 1,044,000	$ 1,044,000	$ 15,280	$ 15,280	$ 12,549	$ 31,373				$ 22,683
37																	
38	**2017 Projects**																
39	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2017	10/31/2017	$ 7,000	$ 7,000	$606	$ 606	$ 281	$ 422	15.80	6.60	22.40	$ 147
40	High Street: east of Mill Pond Lane	Hampton	343	1.20%	Main Replacement	9/30/2017	10/31/2017	$ 332,000	$ 332,000	$4,698	$ 4,698	$ 3,928	$ 5,891	15.80	6.60	22.40	$ 7,305
41	Winnacunnet Rd: Lafayette Rd. to Towle Av	Hampton	343	1.20%	Main Replacement	9/30/2017	10/31/2017	$ 232,000	$ 232,000	$3,283	$ 3,283	$ 2,745	$ 4,117	15.80	6.60	22.40	$ 5,105
42	Shop Road: transmission main	North Hampton	343	1.20%	Main Replacement	9/30/2017	10/31/2017	$ 503,000	$ 503,000	$7,118	$ 7,118	$ 5,951	$ 8,926	14.53	6.60	21.13	$ 10,440
43								$ 1,074,000	$ 1,074,000	$ 15,704	$ 15,704	$ 12,904	$ 19,356				$ 22,997
44																	
45	**2018 Projects**																
46	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2018	10/31/2018	$ 7,000	$ 7,000	$606	$ 606	$ 281	$ 141	15.80	6.60	22.40	$ 154
47	King's Hwy: 6th St - 8th St	Hampton	343	1.20%	Main Replacement	9/30/2018	10/31/2018	$ 166,000	$ 166,000	$2,349	$ 2,349	$ 1,964	$ 982	15.80	6.60	22.40	$ 3,696
48	King's Hwy: 8th St - 11th St	Hampton	343	1.20%	Main Replacement	9/30/2018	10/31/2018	$ 241,000	$ 241,000	$3,410	$ 3,410	$ 2,851	$ 1,426	15.80	6.60	22.40	$ 5,366
49	King's Hwy: Gill St - 1st St	Hampton	343	1.20%	Main Replacement	9/30/2018	10/31/2018	$ 117,000	$ 117,000	$1,656	$ 1,656	$ 1,384	$ 692	15.80	6.60	22.40	$ 2,605
50	King's Hwy: Gill St - Redman St	Hampton	343	1.20%	Main Replacement	9/30/2018	10/31/2018	$ 97,000	$ 97,000	$1,373	$ 1,373	$ 1,148	$ 574	15.80	6.60	22.40	$ 2,160
51	King's Hwy: Redcoat Ln - 30 Kings condos	Hampton	343	1.20%	Main Replacement	9/30/2018	10/31/2018	$ 137,000	$ 137,000	$1,939	$ 1,939	$ 1,621	$ 810	15.80	6.60	22.40	$ 3,051
52	6th, 7th, 8th, 9th & 10th Streets	Hampton	343	1.20%	Main Replacement	9/30/2018	10/31/2018	$ 210,000	$ 210,000	$2,972	$ 2,972	$ 2,484	$ 1,242	15.80	6.60	22.40	$ 4,676
53								$ 975,000	$ 975,000	$ 14,303	$ 14,303	$ 11,733	$ 5,866				$ 21,709
54																	
55							**TOTALS**	$ 5,215,161	$ 5,165,161	$ 89,819	$ 86,782	$ 62,371	$ 170,320				$ 111,213
56									to 2019 1, Ln 2			to 2019 1, Ln 28	to 2019 1, Ln 4				to 2019 1, Ln 30

***Total capital costs are reduced by $50,000 proportionately per Order No. 25,539. Retirements are also proportionately reduced.**
**** Type of Project (designations will be given for various types of projects)**

Aquarion Water Company of New Hampshire
2016 Annual WICA Surcharge Filing

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT
CALCULATION OF SURCHARGE

Line						Schedule Ref.		
1								
2	Total Investment through 09/30/2015					DK-1, Pg 3 Col 6b Ln 31	$	2,072,161
3								
4	Accumulated Depreciation					DK-1, Pg 3 Col 8a Ln 31		(38,172)
5								
6	Net Investment					Ln 2 + Ln 4	$	2,033,990
7								
8	Allowed Return on Rate Base					DK-1, Pg 2 Col 10		7.49%
9								
10	Allowed Return on Investment					Ln 6 x Ln 8	$	152,346
11								
12	Income Tax on Equity Component							
13								
14		(a)	(b)	(c)	(d)			
15		Weighted	Tax	Pre tax	Tax Gross Up			
16		Cost	Multiplier	Cost	Col (c) - Col (a)			
17								
18	Debt	3.58%	1.00	3.58%	0.00%			
19	Equity	3.91%	1.68	6.57%	2.66%			
20								
21		7.49%		10.15%	2.66%			
22								
23	Total Eligible Investment (Line 6 above)				$ 2,033,990			
24								
25								
26	Income Tax Expense					Ln 21 Col D X Ln 23		54,104
27								
28	Depreciation Expense					DK-1, Pg 3 Col 8 Ln 31		25,184
29								
30	Property Tax Expense					DK-1, Pg 3 Col 10 Ln 31		45,515
31								
32	Adjustment: Annual Revenues Allowed					Lines 10 + 26 + 28 + 30	$	277,149
33								
34								
35	Base Revenues on which Adjustment will be applied							
36	Revenues allowed DW 12-085						$	7,129,043
37	Misc. Charges not subject to WICA							(189,059)
38							$	6,939,984
39								
40	Surcharge Percent (Line 32 divided by Line 38)							3.99%

Aquarion Water Company of New Hampshire
2016 Annual WICA Surcharge Filing

WATER INFRASTRUCTURE & CONSERVATION ADJUSTMENT
COMPLETED PROJECTS

		1	2	3	4	5	6	7	8	9	10	11	12 = ((4-5) x 10) + 7 + 8 + 9
Line	Project Name or Class Category	Estimated Completion Date**	Actual Completion Date	Estimated Project Cost**	Actual Project Cost	Accumulated Depreciation	Project Cost minus Accumulated Depreciation	Depreciation Expense	Property Tax Expense	Income Tax Expense	Rate of Return	Annual Retail Revenues	WICA Adjustment Dollars
1													
2	**Project Surcharge Approved in DW 13-314**												
3	Production Meters	30-Sep-13	30-Sep-13	$ 18,030	$ 16,466	$ 1,221	$ 15,245	$ 488	$ 313	$ 406	7.49%	$ 7,129,043	2,349
4	Main Replacements	30-Sep-13	30-Sep-13	$ -	$ 689,856	$ 20,134	$ 669,722	$ 8,054	$ 15,002	$ 17,815	7.49%	$ 7,129,043	91,032
5	Hydrants*	30-Sep-13	30-Sep-13	$ 32,700	$ 8,147	$ 435	$ 7,712	$ 174	$ 173	$ 205	7.49%	$ 7,129,043	1,130
6	Services*	30-Sep-13	30-Sep-13	$ 80,600	$ 14,414	$ 630	$ 13,784	$ 252	$ 294	$ 367	7.49%	$ 7,129,043	1,945
7	Valves*	30-Sep-13	30-Sep-13	$ 10,800	$ 5,167	$ 646	$ 4,521	$ 258	$ 98	$ 120	7.49%	$ 7,129,043	815
8				$ 142,130	$ 734,050	$ 23,067	$ 710,983	$ 9,227	$ 15,879	$ 18,912			97,271
9													
10	**Project Surcharge Approved in DW 14-300**												
11	Production Meters	30-Sep-14	30-Sep-14	$ 1,600	$ 3,044	$ 184	$ 2,860	$ 122	$ 64	$ 76	7.49%	$ 7,129,043	477
12	Main Replacements	30-Sep-14	30-Sep-14	$ 937,968	$ 593,603	$ 10,506	$ 583,097	$ 7,004	$ 13,061	$ 15,510	7.49%	$ 7,129,043	79,249
13				$ 939,568	$ 596,646	$ 10,689	$ 585,957	$ 7,126	$ 13,125	$ 15,586			79,726
14													
15	**Project Surcharge Proposed Herein**												
16	Main Replacements	30-Sep-15	30-Sep-15	$ 741,465	$ 741,465	$ 4,416	$ 737,049	$ 8,831	$ 16,510	$ 19,606	7.49%	$ 7,129,043	100,152
17				$ 741,465	$ 741,465	$ 4,416	$ 737,049	$ 8,831	$ 16,510	$ 19,606			100,152
18													
19													
20	**TOTALS**			$ 1,823,163	$ 2,072,161	$ 38,172	$ 2,033,990	$ 25,184	$ 45,515	$ 54,104			$ 277,149
21													
22	* Emergency Replacement												
23	* * Per Docket Filing DW 14-300												

Aquarion Water Company of New Hampshire
2016 Annual WICA Surcharge Filing

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT
ELIGIBLE PROJECTS PLACED IN SERVICE

Line	Description of Project Street	Town	1 PUC Acct	2 Depr Rate	3 Type of Project**	4 Date in Service	5 Date of 1st Filing	6a Total Capital Costs	6b Eligible Capital Costs	7a Total Retirements	7b Eligible Retirements	8 = (6b - 7b) x 2 Depreciation Expense	8a = 8 x 50% Accumulated Depreciation	9 Mil Rates Town	State	Total	10 = (((6b-8a)/1000) x 12) Prop. Tax Expense
1																	
2	**Project Surcharge Approved in DW 13-314**																
3																	
4	Production Meters	Rye	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 3,432	$ 3,432	$ 3,033	$ 3,033	$ 18	$ 44	9.02	6.60	15.62	$ 53
5	Production Meters	North Hampton	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 4,511	$ 4,511	$ 2,331	$ 2,331	$ 96	$ 240	14.53	6.60	21.13	$ 90
6	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 8,522	$ 8,522	$ -	$ -	$ 375	$ 937	15.80	6.60	22.40	$ 170
7	Church Street-Highland Avenue to Williams Street	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 133,335	$ 133,335	$ 6,243	$ 6,243	$ 1,525	$ 3,813	15.80	6.60	22.40	$ 2,901
8	Auburn Avenue	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 206,750	$ 206,750	$ 10,346	$ 10,346	$ 2,357	$ 5,892	15.80	6.60	22.40	$ 4,499
9	Auburn Avenue Extension	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 85,554	$ 85,554	$ 359	$ 359	$ 1,022	$ 2,556	15.80	6.60	22.40	$ 1,859
10	Perkins Avenue	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 264,216	$ 264,216	$ 1,760	$ 1,760	$ 3,149	$ 7,874	15.80	6.60	22.40	$ 5,742
11	Hydrants*	Hampton	348	2.40%	Hydrants	9/30/2013	10/31/2013	$ 22,839	$ 8,147	$ 2,498	$ 891	$ 174	$ 435	15.80	6.60	22.40	$ 173
12	Services*	Hampton	345	1.85%	Services	9/30/2013	10/31/2013	$ 33,941	$ 12,108	$ 1,994	$ 711	$ 211	$ 527	15.80	6.60	22.40	$ 259
13	Services*	Rye	345	1.85%	Services	9/30/2013	10/31/2013	$ 6,464	$ 2,306	$ 230	$ 82	$ 41	$ 103	9.02	6.60	15.62	$ 34
14	Valves*	Hampton	349	5.00%	Other T&D Plant	9/30/2013	10/31/2013	$ 6,351	$ 2,265	$ -	$ -	$ 113	$ 283	15.80	6.60	22.40	$ 44
15	Valves*	North Hampton	349	5.00%	Other T&D Plant	9/30/2013	10/31/2013	$ 8,133	$ 2,901	$ -	$ -	$ 145	$ 363	14.53	6.60	21.13	$ 54
16								$ 784,050	$ 734,050	$ 28,794	$ 25,757	$ 9,227	$ 23,067				$ 15,879
17	**Project Surcharge Approved in DW 14-300**																
18																	
19	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2014	10/31/2014	$ 3,044	$ 3,044	$ 264	$ 264	$ 122	$ 184	15.80	6.60	22.40	$ 64
20	Well 9 Transmission Main	Hampton	343	1.20%	Main Replacement	9/30/2014	10/31/2014	$ 57,506	$ 57,506	$ 3,160	$ 3,160	$ 652	$ 978	15.80	6.60	22.40	$ 1,266
21	Ocean Boulevard- Dumas Ave to Winnacunnet Rd	Hampton	343	1.20%	Main Replacement	9/30/2014	10/31/2014	$ 536,096	$ 536,096	$ 6,801	$ 6,801	$ 6,352	$ 9,527	15.80	6.60	22.40	$ 11,795
22								$ 596,646	$ 596,646	$ 10,225	$ 10,225	$ 7,126	$ 10,689				$ 13,125
23	**Project Surcharge Proposed Herein**																
24																	
25	Great Boars Head - Cliff Circle to Ocean Blvd	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$169,733	$ 169,733	$551	$ 551	$ 2,030	$ 1,015	15.80	6.60	22.40	$ 3,779
26	Kings Hwy - 11th, 13th, 14th & 15th St	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$385,374	$ 385,374	$2,324	$ 2,324	$ 4,597	$ 2,298	15.80	6.60	22.40	$ 8,581
27	Ross Avenue	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$186,358	$ 186,358	$2,637	$ 2,637	$ 2,205	$ 1,102	15.80	6.60	22.40	$ 4,150
28								$ 741,465	$ 741,465	$ 5,512	$ 5,512	$ 8,831	$ 4,416				$ 16,510
29																	
30																	
31							**TOTALS**	$ 2,122,161	$ 2,072,161	$ 44,532	$ 41,494	$ 25,184	$ 38,172				$ 45,515
32									to DK-1, Pg 1, Ln 2			to DK-1, Pg 1, Ln 28	to DK-1, Pg 1, Ln 4				to DK-1, Pg 1, Ln 30

***Total capital costs are reduced by $50,000 proportionately per Order No. 25,539. Retirements are also proportionately reduced.**
**** Type of Project (designations will be given for various types of projects)**

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT

In addition to the net charges provided for in this Tariff, a Water Infrastructure and Conservation Adjustment ("WICA") surcharge of ~~*2.5386*~~*3.99*% will apply to all bills with services rendered on or after January 1, ~~2015~~2016.

I. General Description

Purpose: To recover the fixed costs (depreciation, property taxes and pre-tax return) of certain Commission-approved non-revenue producing system improvement projects completed and placed in service and to be recorded in the individual accounts, as noted below, between base rate cases. In addition, WICA provides the Company with the resources to accelerate asset replacement for infrastructure for the purpose of improving or protecting water quality and the reliability of service and to comply with evolving regulatory requirements imposed by the Safe Drinking Water Act.

Eligible Property: The WICA-eligible property will consist of the following:

Services over and above an annual; $50,000 threshold (account 333) and hydrants (account 335) installed as in-kind (i.e., same size) replacements for customers;

mains and valves (account 331) installed as replacements for existing facilities that have either reached the end of their useful life, are worn out or are in deteriorated condition,

main cleaning and re-lining projects and relocations that are non-reimbursable (account 331);

replacement of production meters (account 304); and

replacement of pressure reducing valves (accounts 309, 331);

II. Computation of the WICA

Calculation: The initial charge, effective January 1, 2011, will be calculated to recover the fixed costs of eligible plant additions that have not previously been reflected in the Company's rate base and will have been placed in service between January 1, 2010 and September 30, 2010. Thereafter, the WICA will be updated on an annual basis to reflect eligible plant additions placed in service during the twelve month period ending three months prior to the effective date of each WICA update (the "Project Year"). Thus, changes in the WICA rate will occur as follows:

Issued: ~~March 11, 2015~~January 1, 2016 Issued by:_________________________
Donald Morrissey

Effective: January 1, ~~2015~~ 2016 Title: Chief Financial Officer________
As authorized in order ~~25,751~~XX,XXX in Case DW ~~14-300~~15-~~XXX~~476

Effective Date Of WICA Change	Date To Which WICA Eligible Plant Additions Reflected
January 1, 2XXX+1	September 30, 2XXX

The fixed costs of eligible infrastructure system improvement projects will consist of depreciation, property taxes and pre-tax return, calculated as follows:

Depreciation: The depreciation expense will be calculated by applying the depreciation rates employed in the Company's last base rate case for the plant accounts to the original cost of WICA-eligible property minus the corresponding retirement unit recorded.

Property Taxes: ~~For the first year that a WICA for any particular project is in effect, t~~The property tax expense will reflect an estimate of the tax expense for such projects based on ~~the tax rate then in effect. If such property taxes will be due for only a portion of the calendar year, then the WICA for the first year shall reflect only the property taxes projected to be paid. For the second and subsequent years that a WICA for those projects is in effect, the WICA shall be determined using~~ the property tax rate in effect for each town at the end of the most recent P~~p~~roject Y~~y~~ear completed (the “tax rate”), and shall be applied to the cumulative P~~p~~roject Y~~y~~ear ending net book value of all eligible WICA projects included from the first P~~p~~roject Y~~y~~ear thru the end of the most recent P~~p~~roject Y~~y~~ear.~~taxes due and owing for such projects based on the tax bill for a full tax year. The WICA shall not be adjusted in subsequent years, regardless of any change in the taxes originally assessed~~.

Pre-tax return: The pre-tax return will be calculated using the state and federal income tax rates. The cost of equity and debt will be the rates approved in the Company's last base rate case, DW 08-098, or a subsequent docket.

WICA Surcharge Amount: The charge will be expressed as a percentage carried to ~~four~~ two decimal places and will be applied to the effective portion of the total amount billed to each customer under the Company's otherwise applicable rates and charges.

Formula: The formula for calculation of the WICA surcharge is as follows:

WICA= (ISI x PTRR) + Dep + PT

Issued: ~~September 25, 2009~~January 1, 2016 Issued by:________________________
Donald Morrissey

Effective: ~~September 25, 2009~~January 1, 2016 Title: Chief Financial Officer________
As authorized in order ~~25,019~~XX,XXX in Case DW ~~08-098~~15-476

BRWR

Where:

Issued: ~~September 25, 2009~~January 1, 2016 Issued by:________________________

Donald Morrissey

Effective: ~~September 25, 2009~~January 1, 2016 Title: Chief Financial Officer_________

As authorized in order ~~25,019~~XX,XXX in Case DW ~~08-098~~15-476

ISI= the original cost to the Company of eligible infrastructure system improvement projects, less accumulated depreciation.

PTRR= the pre-tax return rate applicable to eligible infrastructure system improvement projects.

Dep= annual depreciation expense related to eligible infrastructure system improvement projects.

PT= annual property taxes related to eligible infrastructure system improvement projects.

BRWR= base retail water revenues as approved by the Commission in the Company's last rate proceeding, DW 08-098, or a subsequent docket.

Annual updates: Supporting data for each annual update will be filed with the Commission and the Office of Consumer Advocate sixty (60) days prior to the effective date of the update. The Company shall also provide notice to the Towns.

III. Safeguards

Cap: The amount of the WICA applied between general rate case filings shall not exceed seven and one-half percent (7.5%) of the Company's annual retail water revenues as approved in its most recent rate filing, and shall not exceed five percent (5%) of such revenues for any twelve-month period.

Project Changes: If, after the Company has received Commission approval for Year 1 projects, because of changed circumstances or significant new information the Company plans to undertake projects in Year 1 that were not included on the list of approved WICA projects for that year or it has decided not to proceed with one or more projects that were included on the Commission-approved list, it shall promptly notify the Commission and all parties to the proceeding in which the list of WICA projects was approved that the Company plans to add to or delete projects and the reason for the proposed changes, in accordance with the following schedule. The Company will submit updates for approved WICA projects for subsequent project years, based upon information known on a project year-to-date basis, from the beginning of the project year through the following effective dates, on the associated reporting dates:

Effective Date	Reporting Date
December 31	January 15
March 31	April 15
June 30	July 15
September 30	October 15

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Issued: ~~April 1, 2014~~January 1, 2016 Issued by:___________________________
Donald Morrissey

Effective: ~~April 1, 2014~~January 1, 2016 Title: Chief Financial Officer________
As authorized in order ~~25,668~~XX,XXX in Case DW ~~13-314~~15-476

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Audits: The WICA will be subject to audit prior to the determination by the Commission.

New Base Rates: The WICA charge will be reset at zero as of the effective date of new base rates that provide for prospective recovery of the annual costs that had theretofore been recovered under the WICA. Thereafter, only the fixed costs of new eligible plant additions, that have not previously been reflected in the Company's rate base, would be reflected in the annual updates of the WICA.

Customer Notice: Customers shall be notified of changes in the WICA by including appropriate information on the first bill they receive following any change. An explanatory bill insert shall also be included with the first billing. Before sending, the Company will review the notice with the Commission's Consumer Affairs division.

Issued: April 1, 2014 Issued by:__________________________
Donald Morrissey

Effective: April 1, 2014 Title:_ Chief Financial Officer_________
As authorized in order 25,668 in Case DW 13-314

Aquarion Water Company of New Hampshire
2017 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT
CALCULATION OF SURCHARGE

Line						Schedule Ref.		
1								
2	Total Investment through 09/30/2016					2017 3 Col 6b Ln 33	$	3,116,161
3								
4	Accumulated Depreciation					2017 3 Col 8a Ln 33		(69,630)
5								
6	Net Investment					Ln 2 + Ln 4	$	3,046,531
7								
8	Allowed Return on Rate Base					2017 2 Col 10		7.49%
9								
10	Allowed Return on Investment					Ln 6 x Ln 8	$	228,185
11								
12	Income Tax on Equity Component							
13								
14		(a)	(b)	(c)	(d)			
15		Weighted	Tax	Pre tax	Tax Gross Up			
16		Cost	Multiplier	Cost	Col (c) - Col (a)			
17								
18	Debt	3.58%	1.00	3.58%	0.00%			
19	Equity	3.91%	1.68	6.57%	2.66%			
20								
21		7.49%		10.15%	2.66%			
22								
23	Total Eligible Investment (Line 6 above)				$ 3,046,531			
24								
25								
26	Income Tax Expense					Ln 21 Col D X Ln 23		81,038
27								
28	Depreciation Expense					2017 3 Col 8 Ln 33		37,733
29								
30	Property Tax Expense					2017 3 Col 10 Ln 33		68,196
31								
32	Adjustment: Annual Revenues Allowed					Lines 10 + 26 + 28 + 30	$	415,153
33								
34								
35	Base Revenues on which Adjustment will be applied							
36	Revenues allowed DW 12-085						$	7,129,043
37	Misc. Charges not subject to WICA							(189,059)
38							$	6,939,984
39								
40	Surcharge Percent (Line 32 divided by Line 38)							5.98%

Aquarion Water Company of New Hampshire
2017 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE & CONSERVATION ADJUSTMENT
COMPLETED PROJECTS

Line	Project Name or Class Category	1 Estimated Completion Date**	2 Actual Completion Date	3 Estimated Project Cost**	4 Actual Project Cost	5 Accumulated Depreciation	6 Project Cost minus Accumulated Depreciation	7 Depreciation Expense	8 Property Tax Expense	9 Income Tax Expense	10 Rate of Return	11 Annual Retail Revenues	12 = ((4-5) x 10) + 7 + 8 + 9 WICA Adjustment Dollars
1	**2013 Projects**												
2	Production Meters	30-Sep-13	30-Sep-13	$ 18,030	$ 16,466	$ 1,710	$ 14,756	$ 488	$ 302	$ 393	7.49%	$ 7,129,043	2,289
3	Main Replacements	30-Sep-13	30-Sep-13	$ -	$ 689,856	$ 28,188	$ 661,668	$ 8,054	$ 14,821	$ 17,600	7.49%	$ 7,129,043	90,034
4	Hydrants*	30-Sep-13	30-Sep-13	$ 32,700	$ 8,147	$ 610	$ 7,538	$ 174	$ 169	$ 201	7.49%	$ 7,129,043	1,108
5	Services*	30-Sep-13	30-Sep-13	$ 80,600	$ 14,414	$ 882	$ 13,532	$ 252	$ 288	$ 360	7.49%	$ 7,129,043	1,914
6	Valves*	30-Sep-13	30-Sep-13	$ 10,800	$ 5,167	$ 904	$ 4,263	$ 258	$ 92	$ 113	7.49%	$ 7,129,043	783
7				$ 142,130	$ 734,050	$ 32,294	$ 701,757	$ 9,227	$ 15,673	$ 18,667			96,128
8													
9	**2014 Projects**												
10	Production Meters	30-Sep-14	30-Sep-14	$ 1,600	$ 3,044	$ 306	$ 2,738	$ 122	$ 61	$ 73	7.49%	$ 7,129,043	462
11	Main Replacements	30-Sep-14	30-Sep-14	$ 937,968	$ 593,603	$ 17,509	$ 576,093	$ 7,004	$ 12,904	$ 15,324	7.49%	$ 7,129,043	78,382
12				$ 939,568	$ 596,646	$ 17,815	$ 578,831	$ 7,126	$ 12,966	$ 15,397			78,843
13													
14	**2015 Projects**												
15	Main Replacements	30-Sep-15	30-Sep-15	$ 741,465	$ 741,465	$ 13,247	$ 728,217	$ 8,831	$ 16,312	$ 19,371	7.49%	$ 7,129,043	99,058
16				$ 741,465	$ 741,465	$ 13,247	$ 728,217	$ 8,831	$ 16,312	$ 19,371			99,058
17													
18	**2016 Projects**												
19	Production Meters	30-Sep-16	30-Sep-16	$ 1,600	$ 7,000	$ 141	$ 6,859	$ 281	$ 154	$ 182	7.49%	$ 7,129,043	1,131
20	Main Replacements	30-Sep-16	30-Sep-16	$1,037,000	$ 1,037,000	$ 6,134	$ 1,030,866	$ 12,268	$ 23,091	$ 27,421	7.49%	$ 7,129,043	139,992
21				$1,038,600	$ 1,044,000	$ 6,275	$ 1,037,725	$ 12,549	$ 23,245	$ 27,603			141,123
22													
23	**TOTALS**			$ 2,861,763	$ 3,116,161	$ 69,630	$ 3,046,531	$ 37,733	$ 68,196	$ 81,038			$ 415,153
24													
25	* Emergency Replacement												
26	* * Per Docket Filing DW 13-314												
27													

Aquarion Water Company of New Hampshire
2017 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT
ELIGIBLE PROJECTS PLACED IN SERVICE

Line	Description of Project (Street)	Town	1 PUC Acct	2 Depr Rate	3 Type of Project**	4 Date in Service	5 Date of 1st Filing	6a Total Capital Costs	6b Eligible Capital Costs	7a Total Retirements	7b Eligible Retirements	8 = (6b - 7b) x 2 Depreciation Expense	8a = 8 x 50% Accumulated Depreciation	9 Mil Rates Town	9 Mil Rates State	9 Mil Rates Total	10 = (((6b-8a)/1000) x 12) Prop. Tax Expense
	2013 Projects																
1	Production Meters	Rye	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 3,432	$ 3,432	$ 3,033	$ 3,033	$ 18	$ 61	9.02	6.60	15.62	$ 53
2	Production Meters	North Hampton	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 4,511	$ 4,511	$ 2,331	$ 2,331	$ 96	$ 336	14.53	6.60	21.13	$ 88
3	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 8,522	$ 8,522	$ -	$ -	$ 375	$ 1,312	15.80	6.60	22.40	$ 162
4	Church Street-Highland Avenue to Williams Street	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 133,335	$ 133,335	$ 6,243	$ 6,243	$ 1,525	$ 5,338	15.80	6.60	22.40	$ 2,867
5	Auburn Avenue	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 206,750	$ 206,750	$ 10,346	$ 10,346	$ 2,357	$ 8,249	15.80	6.60	22.40	$ 4,446
6	Auburn Avenue Extension	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 85,554	$ 85,554	$ 359	$ 359	$ 1,022	$ 3,578	15.80	6.60	22.40	$ 1,836
7	Perkins Avenue	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 264,216	$ 264,216	$ 1,760	$ 1,760	$ 3,149	$ 11,023	15.80	6.60	22.40	$ 5,672
8	Hydrants*	Hampton	348	2.40%	Hydrants	9/30/2013	10/31/2013	$ 22,839	$ 8,147	$ 2,498	$ 891	$ 174	$ 610	15.80	6.60	22.40	$ 169
9	Services*	Hampton	345	1.85%	Services	9/30/2013	10/31/2013	$ 33,941	$ 12,108	$ 1,994	$ 711	$ 211	$ 738	15.80	6.60	22.40	$ 255
10	Services*	Rye	345	1.85%	Services	9/30/2013	10/31/2013	$ 6,464	$ 2,306	$ 230	$ 82	$ 41	$ 144	9.02	6.60	15.62	$ 34
11	Valves*	Hampton	349	5.00%	Other T&D Plant	9/30/2013	10/31/2013	$ 6,351	$ 2,265	$ -	$ -	$ 113	$ 396	15.80	6.60	22.40	$ 42
12	Valves*	North Hampton	349	5.00%	Other T&D Plant	9/30/2013	10/31/2013	$ 8,133	$ 2,901	$ -	$ -	$ 145	$ 508	14.53	6.60	21.13	$ 51
13								$ 784,050	$ 734,050	$ 28,794	$ 25,757	$ 9,227	$ 32,294				$ 15,673
14																	
15	**2014 Projects**																
16	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2014	10/31/2014	$ 3,044	$ 3,044	$ 264	$ 264	$ 122	$ 306	15.80	6.60	22.40	$ 61
17	Well 9 Transmission Main	Hampton	343	1.20%	Main Replacement	9/30/2014	10/31/2014	$ 57,506	$ 57,506	$ 3,160	$ 3,160	$ 652	$ 1,630	15.80	6.60	22.40	$ 1,252
18	Ocean Boulevard- Dumas Ave to Winnacunnet Rd	Hampton	343	1.20%	Main Replacement	9/30/2014	10/31/2014	$ 536,096	$ 536,096	$ 6,801	$ 6,801	$ 6,352	$ 15,879	15.80	6.60	22.40	$ 11,653
19								$ 596,646	$ 596,646	$ 10,225	$ 10,225	$ 7,126	$ 17,815				$ 12,966
20																	
21	**2015 Projects**																
22	Great Boars Head - Cliff Circle to Ocean Blvd	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$169,733	$ 169,733	$551	$ 551	$ 2,030	$ 3,045	15.80	6.60	22.40	$ 3,734
23	Kings Hwy - 11th, 13th, 14th & 15th St	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$385,374	$ 385,374	$2,324	$ 2,324	$ 4,597	$ 6,895	15.80	6.60	22.40	$ 8,478
24	Ross Avenue	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$186,358	$ 186,358	$2,637	$ 2,637	$ 2,205	$ 3,307	15.80	6.60	22.40	$ 4,100
25								$741,465	$741,465	$5,512	$5,512	$8,831	$13,247				$ 16,312
26																	
27	**2016 Projects**																
28	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2016	10/31/2016	$ 7,000	$ 7,000	$606	$ 606	$ 281	$ 141	15.80	6.60	22.40	$ 154
29	Lafayette Rd: H068 to Park Ave (south)	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 121,000	$ 121,000	$1,712	$ 1,712	$ 1,431	$ 716	15.80	6.60	22.40	$ 2,694
30	Lafayette Rd: H068 to Park Ave (north)	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 84,000	$ 84,000	$1,189	$ 1,189	$ 994	$ 497	15.80	6.60	22.40	$ 1,870
31	Lafayette Rd: Park Ave (north) to Stickney Terr	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 72,000	$ 72,000	$1,019	$ 1,019	$ 852	$ 426	15.80	6.60	22.40	$ 1,603
32	Lafayette Rd: Stickney Terr to Winnacunnet Rd	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 245,000	$ 245,000	$3,467	$ 3,467	$ 2,898	$ 1,449	15.80	6.60	22.40	$ 5,456
33	Manchester St: off Ashworth Ave	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 136,000	$ 136,000	$1,924	$ 1,924	$ 1,609	$ 804	15.80	6.60	22.40	$ 3,028
34	North Shore Rd: Cusack Rd to Quinlan Ln	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 271,000	$ 271,000	$3,835	$ 3,835	$ 3,206	$ 1,603	15.80	6.60	22.40	$ 6,034
35	Sunsurf Ave: off Cliff Ave	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 108,000	$ 108,000	$1,528	$ 1,528	$ 1,278	$ 639	15.80	6.60	22.40	$ 2,405
36								$ 1,044,000	$ 1,044,000	$ 15,280	$ 15,280	$ 12,549	$ 6,275				$ 23,245
37																	
38							**TOTALS**	$ 3,166,161	$ 3,116,161	$ 59,812	$ 56,774	$ 37,733	$ 69,630				$ 68,196
39									to 2017 1, Ln 2			to 2017 1, Ln 28	to 2017 1, Ln 4				to 2017 1, Ln 30

***Total capital costs are reduced by $50,000 proportionately per Order No. 25,539. Retirements are also proportionately reduced.**
**** Type of Project (designations will be given for various types of projects)**

Aquarion Water Company of New Hampshire
2018 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT
CALCULATION OF SURCHARGE

Line						Schedule Ref.	
1							
2	Total Investment through 09/30/2017					2018 3 Col 6b Ln 45	$ 4,190,161
3							
4	Accumulated Depreciation					2018 3 Col 8a Ln 45	(113,816)
5							
6	Net Investment					Ln 2 + Ln 4	$ 4,076,345
7							
8	Allowed Return on Rate Base					2018 2 Col 10	7.49%
9							
10	Allowed Return on Investment					Ln 6 x Ln 8	$ 305,318
11							
12	Income Tax on Equity Component						
13							
14		(a)	(b)	(c)	(d)		
15		Weighted	Tax	Pre tax	Tax Gross Up		
16		Cost	Multiplier	Cost	Col (c) - Col (a)		
17							
18	Debt	3.58%	1.00	3.58%	0.00%		
19	Equity	3.91%	1.68	6.57%	2.66%		
20							
21		7.49%		10.15%	2.66%		
22							
23	Total Eligible Investment (Line 6 above)				$ 4,076,345		
24							
25							
26	Income Tax Expense					Ln 21 Col D X Ln 23	108,431
27							
28	Depreciation Expense					2018 3 Col 8 Ln 45	50,638
29							
30	Property Tax Expense					2018 3 Col 10 Ln 45	90,630
31							
32	Adjustment: Annual Revenues Allowed					Lines 10 + 26 + 28 + 30	$ 555,017
33							
34							
35	Base Revenues on which Adjustment will be applied						
36	Revenues allowed DW 12-085						$ 7,129,043
37	Misc. Charges not subject to WICA						(189,059)
38							$ 6,939,984
39							
40	Surcharge Percent (Line 32 divided by Line 38)						8.00%

Aquarion Water Company of New Hampshire
2018 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE & CONSERVATION ADJUSTMENT
COMPLETED PROJECTS

Line	Project Name or Class Category	1 Estimated Completion Date**	2 Actual Completion Date	3 Estimated Project Cost**	4 Actual Project Cost	5 Accumulated Depreciation	6 Project Cost minus Accumulated Depreciation	7 Depreciation Expense	8 Property Tax Expense	9 Income Tax Expense	10 Rate of Return	11 Annual Retail Revenues	12 = ((4-5) x 10) + 7 + 8 + 9 WICA Adjustment Dollars
1	**2013 Projects**												
2	Production Meters	30-Sep-13	30-Sep-13	$ 18,030	$ 16,466	$ 2,198	$ 14,268	$ 488	$ 292	$ 380	7.49%	$ 7,129,043	2,228
3	Main Replacements	30-Sep-13	30-Sep-13	$ -	$ 689,856	$ 36,242	$ 653,614	$ 8,054	$ 14,641	$ 17,386	7.49%	$ 7,129,043	89,037
4	Hydrants*	30-Sep-13	30-Sep-13	$ 32,700	$ 8,147	$ 784	$ 7,364	$ 174	$ 165	$ 196	7.49%	$ 7,129,043	1,087
5	Services*	30-Sep-13	30-Sep-13	$ 80,600	$ 14,414	$ 1,134	$ 13,280	$ 252	$ 283	$ 353	7.49%	$ 7,129,043	1,883
6	Valves*	30-Sep-13	30-Sep-13	$ 10,800	$ 5,167	$ 1,163	$ 4,004	$ 258	$ 87	$ 107	7.49%	$ 7,129,043	752
				$ 142,130	$ 734,050	$ 41,520	$ 692,530	$ 9,227	$ 15,468	$ 18,421			94,986
7	**2014 Projects**												
8	Production Meters	30-Sep-14	30-Sep-14	$ 1,600	$ 3,044	$ 428	$ 2,616	$ 122	$ 59	$ 70	7.49%	$ 7,129,043	446
9	Main Replacements	30-Sep-14	30-Sep-14	$ 937,968	$ 593,603	$ 24,513	$ 569,090	$ 7,004	$ 12,748	$ 15,138	7.49%	$ 7,129,043	77,514
				$ 939,568	$ 596,646	$ 24,941	$ 571,705	$ 7,126	$ 12,806	$ 15,207			77,960
10	**2015 Projects**												
11	Main Replacements	30-Sep-15	30-Sep-15	$ 741,465	$ 741,465	$ 22,079	$ 719,386	$ 8,831	$ 16,114	$ 19,136	7.49%	$ 7,129,043	97,963
				$ 741,465	$ 741,465	$ 22,079	$ 719,386	$ 8,831	$ 16,114	$ 19,136			97,963
12	**2016 Projects**												
13	Production Meters	30-Sep-16	30-Sep-16	$ 1,600	$ 7,000	$ 422	$ 6,578	$ 281	$ 147	$ 175	7.49%	$ 7,129,043	1,096
14	Main Replacements	30-Sep-16	30-Sep-16	$1,037,000	$ 1,037,000	$ 18,402	$ 1,018,598	$ 12,268	$ 22,817	$ 27,095	7.49%	$ 7,129,043	138,472
				$1,038,600	$ 1,044,000	$ 18,824	$ 1,025,176	$ 12,549	$ 22,964	$ 27,270			139,569
15	**2017 Projects**												
16	Production Meters	30-Sep-17	30-Sep-17	$ 1,600	$ 7,000	$ 141	$ 6,859	$ 281	$ 154	$ 182	7.49%	$ 7,129,043	1,131
17	Main Replacements	30-Sep-17	30-Sep-17	$1,067,000	$ 1,067,000	$ 6,311	$ 1,060,689	$ 12,623	$ 23,124	$ 28,214	7.49%	$ 7,129,043	143,407
				$1,068,600	$ 1,074,000	$ 6,452	$ 1,067,548	$ 12,904	$ 23,278	$ 28,397			144,538
18													
19	**TOTALS**			$ 3,930,363	$ 4,190,161	$ 113,816	$ 4,076,345	$ 50,638	$ 90,630	$ 108,431			$ 555,017
20													
21	* Emergency Replacement												
22	* * Per Docket Filing DW 13-314												
23													

Aquarion Water Company of New Hampshire
2018 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT
ELIGIBLE PROJECTS PLACED IN SERVICE

Line	Description of Project — Street	Town	1 PUC Acct	2 Depr Rate	3 Type of Project**	4 Date in Service	5 Date of 1st Filing	6a Total Capital Costs	6b Eligible Capital Costs	7a Total Retirements	7b Eligible Retirements	8 = (6b - 7b) x 2 Depreciation Expense	8a = 8 x 50% Accumulated Depreciation	9 Mil Rates Town	State	Total	10 = (((6b-8a)/1000) x 12) Prop. Tax Expense
	2013 Projects																
1	Production Meters	Rye	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 3,432	$ 3,432	$ 3,033	$ 3,033	$ 18	$ 79	9.02	6.60	15.62	$ 52
2	Production Meters	North Hampton	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 4,511	$ 4,511	$ 2,331	$ 2,331	$ 96	$ 432	14.53	6.60	21.13	$ 86
3	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 8,522	$ 8,522	$ -	$ -	$ 375	$ 1,687	15.80	6.60	22.40	$ 153
4	Church Street-Highland Avenue to Williams Street	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 133,335	$ 133,335	$ 6,243	$ 6,243	$ 1,525	$ 6,863	15.80	6.60	22.40	$ 2,833
5	Auburn Avenue	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 206,750	$ 206,750	$ 10,346	$ 10,346	$ 2,357	$ 10,606	15.80	6.60	22.40	$ 4,394
6	Auburn Avenue Extension	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 85,554	$ 85,554	$ 359	$ 359	$ 1,022	$ 4,601	15.80	6.60	22.40	$ 1,813
7	Perkins Avenue	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 264,216	$ 264,216	$ 1,760	$ 1,760	$ 3,149	$ 14,173	15.80	6.60	22.40	$ 5,601
8	Hydrants*	Hampton	348	2.40%	Hydrants	9/30/2013	10/31/2013	$ 22,839	$ 8,147	$ 2,498	$ 891	$ 174	$ 784	15.80	6.60	22.40	$ 165
9	Services*	Hampton	345	1.85%	Services	9/30/2013	10/31/2013	$ 33,941	$ 12,108	$ 1,994	$ 711	$ 211	$ 949	15.80	6.60	22.40	$ 250
10	Services*	Rye	345	1.85%	Services	9/30/2013	10/31/2013	$ 6,464	$ 2,306	$ 230	$ 82	$ 41	$ 185	9.02	6.60	15.62	$ 33
11	Valves*	Hampton	349	5.00%	Other T&D Plant	9/30/2013	10/31/2013	$ 6,351	$ 2,265	$ -	$ -	$ 113	$ 510	15.80	6.60	22.40	$ 39
12	Valves*	North Hampton	349	5.00%	Other T&D Plant	9/30/2013	10/31/2013	$ 8,133	$ 2,901	$ -	$ -	$ 145	$ 653	14.53	6.60	21.13	$ 48
13								$ 784,050	$ 734,050	$ 28,794	$ 25,757	$ 9,227	$ 41,520				$ 15,468
14																	
15	**2014 Projects**																
16	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2014	10/31/2014	$ 3,044	$ 3,044	$ 264	$ 264	$ 122	$ 428	15.80	6.60	22.40	$ 59
17	Well 9 Transmission Main	Hampton	343	1.20%	Main Replacement	9/30/2014	10/31/2014	$ 57,506	$ 57,506	$ 3,160	$ 3,160	$ 652	$ 2,283	15.80	6.60	22.40	$ 1,237
18	Ocean Boulevard- Dumas Ave to Winnacunnet Rd	Hampton	343	1.20%	Main Replacement	9/30/2014	10/31/2014	$ 536,096	$ 536,096	$ 6,801	$ 6,801	$ 6,352	$ 22,230	15.80	6.60	22.40	$ 11,511
19								$ 596,646	$ 596,646	$ 10,225	$ 10,225	$ 7,126	$ 24,941				$ 12,806
20																	
21	**2015 Projects**																
22	Great Boars Head - Cliff Circle to Ocean Blvd	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$169,733	$ 169,733	$551	$ 551	$ 2,030	$ 5,075	15.80	6.60	22.40	$ 3,688
23	Kings Hwy - 11th, 13th, 14th & 15th St	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$385,374	$ 385,374	$2,324	$ 2,324	$ 4,597	$ 11,491	15.80	6.60	22.40	$ 8,375
24	Ross Avenue	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$186,358	$ 186,358	$2,637	$ 2,637	$ 2,205	$ 5,512	15.80	6.60	22.40	$ 4,051
25								$741,465	$741,465	$5,512	$5,512	$8,831	$22,079				$ 16,114
26																	
27	**2016 Projects**																
28	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2016	10/31/2016	$ 7,000	$ 7,000	$606	$ 606	$ 281	$ 422	15.80	6.60	22.40	$ 147
29	Lafayette Rd: H068 to Park Ave (south)	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 121,000	$ 121,000	$1,712	$ 1,712	$ 1,431	$ 2,147	15.80	6.60	22.40	$ 2,662
30	Lafayette Rd: H068 to Park Ave (north)	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 84,000	$ 84,000	$1,189	$ 1,189	$ 994	$ 1,491	15.80	6.60	22.40	$ 1,848
31	Lafayette Rd: Park Ave (north) to Stickney Terr	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 72,000	$ 72,000	$1,019	$ 1,019	$ 852	$ 1,278	15.80	6.60	22.40	$ 1,584
32	Lafayette Rd: Stickney Terr to Winnacunnet Rd	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 245,000	$ 245,000	$3,467	$ 3,467	$ 2,898	$ 4,348	15.80	6.60	22.40	$ 5,391
33	Manchester St: off Ashworth Ave	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 136,000	$ 136,000	$1,924	$ 1,924	$ 1,609	$ 2,413	15.80	6.60	22.40	$ 2,992
34	North Shore Rd: Cusack Rd to Quinlan Ln	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 271,000	$ 271,000	$3,835	$ 3,835	$ 3,206	$ 4,809	15.80	6.60	22.40	$ 5,963
35	Sunsurf Ave: off Cliff Ave	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 108,000	$ 108,000	$1,528	$ 1,528	$ 1,278	$ 1,916	15.80	6.60	22.40	$ 2,376
36								$ 1,044,000	$ 1,044,000	$ 15,280	$ 15,280	$ 12,549	$ 18,824				$ 22,964
37																	
38	**2017 Projects**																
39	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2017	10/31/2017	$ 7,000	$ 7,000	$606	$ 606	$ 281	$ 141	15.80	6.60	22.40	$ 154
40	High Street: east of Mill Pond Lane	Hampton	343	1.20%	Main Replacement	9/30/2017	10/31/2017	$ 332,000	$ 332,000	$4,698	$ 4,698	$ 3,928	$ 1,964	15.80	6.60	22.40	$ 7,393
41	Winnacunnet Rd: Lafayette Rd. to Towle Av	Hampton	343	1.20%	Main Replacement	9/30/2017	10/31/2017	$ 232,000	$ 232,000	$3,283	$ 3,283	$ 2,745	$ 1,372	15.80	6.60	22.40	$ 5,166
42	Shop Road: transmission main	North Hampton	343	1.20%	Main Replacement	9/30/2017	10/31/2017	$ 503,000	$ 503,000	$7,118	$ 7,118	$ 5,951	$ 2,975	14.53	6.60	21.13	$ 10,566
43								$ 1,074,000	$ 1,074,000	$ 15,704	$ 15,704	$ 12,904	$ 6,452				$ 23,278
44																	
45							**TOTALS**	$ 4,240,161	$ 4,190,161	$ 75,516	$ 72,478	$ 50,638	$ 113,816				$ 90,630
									to 2018 1, Ln 2			to 2018 1, Ln 28	to 2018 1, Ln 4				to 2018 1, Ln 30

***Total capital costs are reduced by $50,000 proportionately per Order No. 25,539. Retirements are also proportionately reduced.**
**** Type of Project (designations will be given for various types of projects)**

Aquarion Water Company of New Hampshire
2019 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT
CALCULATION OF SURCHARGE

Line						Schedule Ref.	
1							
2	Total Investment through 09/30/2018					2019 3 Col 6b Ln 55	$ 5,165,161
3							
4	Accumulated Depreciation					2019 3 Col 8a Ln 55	(170,320)
5							
6	Net Investment					Ln 2 + Ln 4	$ 4,994,841
7							
8	Allowed Return on Rate Base					2019 2 Col 10	7.49%
9							
10	Allowed Return on Investment					Ln 6 x Ln 8	$ 374,114
11							
12	Income Tax on Equity Component						
13							
14		(a)	(b)	(c)	(d)		
15		Weighted	Tax	Pre tax	Tax Gross Up		
16		Cost	Multiplier	Cost	Col (c) - Col (a)		
17							
18	Debt	3.58%	1.00	3.58%	0.00%		
19	Equity	3.91%	1.68	6.57%	2.66%		
20							
21		7.49%		10.15%	2.66%		
22							
23	Total Eligible Investment (Line 6 above)				$ 4,994,841		
24							
25							
26	Income Tax Expense					Ln 21 Col D X Ln 23	132,863
27							
28	Depreciation Expense					2019 3 Col 8 Ln 55	62,371
29							
30	Property Tax Expense					2019 3 Col 10 Ln 55	111,213
31							
32	Adjustment: Annual Revenues Allowed					Lines 10 + 26 + 28 + 30	$ 680,560
33							
34							
35	Base Revenues on which Adjustment will be applied						
36	Revenues allowed DW 12-085						$ 7,129,043
37	Misc. Charges not subject to WICA						(189,059)
38							$ 6,939,984
39							
40	Surcharge Percent (Line 32 divided by Line 38)						9.81%

Aquarion Water Company of New Hampshire
2019 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE & CONSERVATION ADJUSTMENT
COMPLETED PROJECTS

		1	2	3	4	5	6	7	8	9	10	11	12 = ((4-5) x 10) + 7 + 8 + 9
Line	Project Name or Class Category	Estimated Completion Date**	Actual Completion Date	Estimated Project Cost**	Actual Project Cost	Accumulated Depreciation	Project Cost minus Accumulated Depreciation	Depreciation Expense	Property Tax Expense	Income Tax Expense	Rate of Return	Annual Retail Revenues	WICA Adjustment Dollars
1	**2013 Projects**												
2	Production Meters	30-Sep-13	30-Sep-13	$ 18,030	$ 16,466	$ 2,687	$ 13,779	$ 488	$ 281	$ 367	7.49%	$ 7,129,043	2,168
3	Main Replacements	30-Sep-13	30-Sep-13	$ -	$ 689,856	$ 44,296	$ 645,560	$ 8,054	$ 14,461	$ 17,172	7.49%	$ 7,129,043	88,039
4	Hydrants*	30-Sep-13	30-Sep-13	$ 32,700	$ 8,147	$ 958	$ 7,189	$ 174	$ 161	$ 191	7.49%	$ 7,129,043	1,065
5	Services*	30-Sep-13	30-Sep-13	$ 80,600	$ 14,414	$ 1,386	$ 13,028	$ 252	$ 278	$ 347	7.49%	$ 7,129,043	1,852
6	Valves*	30-Sep-13	30-Sep-13	$ 10,800	$ 5,167	$ 1,421	$ 3,746	$ 258	$ 81	$ 100	7.49%	$ 7,129,043	720
7				$ 142,130	$ 734,050	$ 50,747	$ 683,303	$ 9,227	$ 15,262	$ 18,176			93,844
8													
9	**2014 Projects**												
10	Production Meters	30-Sep-14	30-Sep-14	$ 1,600	$ 3,044	$ 551	$ 2,493	$ 122	$ 56	$ 66	7.49%	$ 7,129,043	431
11	Main Replacements	30-Sep-14	30-Sep-14	$ 937,968	$ 593,603	$ 31,517	$ 562,086	$ 7,004	$ 12,591	$ 14,951	7.49%	$ 7,129,043	76,646
12				$ 939,568	$ 596,646	$ 32,067	$ 564,579	$ 7,126	$ 12,647	$ 15,018			77,077
13													
14	**2015 Projects**												
15	Main Replacements	30-Sep-15	30-Sep-15	$ 741,465	$ 741,465	$ 30,910	$ 710,555	$ 8,831	$ 15,916	$ 18,901	7.49%	$ 7,129,043	96,869
16				$ 741,465	$ 741,465	$ 30,910	$ 710,555	$ 8,831	$ 15,916	$ 18,901			96,869
17													
18	**2016 Projects**												
19	Production Meters	30-Sep-16	30-Sep-16	$ 1,600	$ 7,000	$ 703	$ 6,297	$ 281	$ 141	$ 167	7.49%	$ 7,129,043	1,061
20	Main Replacements	30-Sep-16	30-Sep-16	$1,037,000	$ 1,037,000	$ 30,670	$ 1,006,330	$ 12,268	$ 22,542	$ 26,768	7.49%	$ 7,129,043	136,952
21				$1,038,600	$ 1,044,000	$ 31,373	$ 1,012,627	$ 12,549	$ 22,683	$ 26,936			138,014
22													
23	**2017 Projects**												
24	Production Meters	30-Sep-17	30-Sep-17	$ 1,600	$ 7,000	$ 422	$ 6,578	$ 281	$ 147	$ 175	7.49%	$ 7,129,043	1,096
25	Main Replacements	30-Sep-17	30-Sep-17	$1,067,000	$ 1,067,000	$ 18,934	$ 1,048,066	$ 12,623	$ 22,849	$ 27,879	7.49%	$ 7,129,043	141,851
26				$1,068,600	$ 1,074,000	$ 19,356	$ 1,054,644	$ 12,904	$ 22,997	$ 28,054			142,947
27													
28	**2018 Projects**												
29	Production Meters	30-Sep-18	30-Sep-16	$ 1,600	$ 7,000	$ 141	$ 6,859	$ 281	$ 154	$ 182	7.49%	$ 7,129,043	1,131
30	Main Replacements	30-Sep-18	30-Sep-16	$ 968,000	$ 968,000	$ 5,726	$ 962,274	$ 11,452	$ 21,555	$ 25,596	7.49%	$ 7,129,043	130,677
31				$ 969,600	$ 975,000	$ 5,866	$ 969,134	$ 11,733	$ 21,709	$ 25,779			131,809
32													
33	**TOTALS**			$ 4,899,963	$ 5,165,161	$ 170,320	$ 4,994,841	$ 62,371	$ 111,213	$ 132,863			$ 680,559
34													

* Emergency Replacement
* * Per Docket Filing DW 13-314

Aquarion Water Company of New Hampshire
2019 Annual WICA Surcharge Filing (2015 Estimate)

WATER INFRASTRUCTURE AND CONSERVATION ADJUSTMENT
ELIGIBLE PROJECTS PLACED IN SERVICE

Line	Description of Project Street	Town	1 PUC Acct	2 Depr Rate	3 Type of Project**	4 Date in Service	5 Date of 1st Filing	6a Total Capital Costs	6b Eligible Capital Costs	7a Total Retirements	7b Eligible Retirements	8 = (6b - 7b) x 2 Depreciation Expense	8a = 8 x 50% Accumulated Depreciation	9 Mil Rates Town	State	Total	10 = (((6b-8a)/1000) x 12) Prop. Tax Expense
	2013 Projects																
1	Production Meters	Rye	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 3,432	$ 3,432	$ 3,033	$ 3,033	$ 18	$ 97	9.02	6.60	15.62	$ 52
2	Production Meters	North Hampton	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 4,511	$ 4,511	$ 2,331	$ 2,331	$ 96	$ 528	14.53	6.60	21.13	$ 84
3	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2013	10/31/2013	$ 8,522	$ 8,522	$ -	$ -	$ 375	$ 2,062	15.80	6.60	22.40	$ 145
4	Church Street-Highland Avenue to Williams Street	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 133,335	$ 133,335	$ 6,243	$ 6,243	$ 1,525	$ 8,388	15.80	6.60	22.40	$ 2,799
5	Auburn Avenue	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 206,750	$ 206,750	$ 10,346	$ 10,346	$ 2,357	$ 12,963	15.80	6.60	22.40	$ 4,341
6	Auburn Avenue Extension	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 85,554	$ 85,554	$ 359	$ 359	$ 1,022	$ 5,623	15.80	6.60	22.40	$ 1,790
7	Perkins Avenue	Hampton	343	1.20%	Main Replacement	9/30/2013	10/31/2013	$ 264,216	$ 264,216	$ 1,760	$ 1,760	$ 3,149	$ 17,322	15.80	6.60	22.40	$ 5,530
8	Hydrants*	Hampton	348	2.40%	Hydrants	9/30/2013	10/31/2013	$ 22,839	$ 8,147	$ 2,498	$ 891	$ 174	$ 958	15.80	6.60	22.40	$ 161
9	Services*	Hampton	345	1.85%	Services	9/30/2013	10/31/2013	$ 33,941	$ 12,108	$ 1,994	$ 711	$ 211	$ 1,160	15.80	6.60	22.40	$ 245
10	Services*	Rye	345	1.85%	Services	9/30/2013	10/31/2013	$ 6,464	$ 2,306	$ 230	$ 82	$ 41	$ 226	9.02	6.60	15.62	$ 32
11	Valves*	Hampton	349	5.00%	Other T&D Plant	9/30/2013	10/31/2013	$ 6,351	$ 2,265	$ -	$ -	$ 113	$ 623	15.80	6.60	22.40	$ 37
12	Valves*	North Hampton	349	5.00%	Other T&D Plant	9/30/2013	10/31/2013	$ 8,133	$ 2,901	$ -	$ -	$ 145	$ 798	14.53	6.60	21.13	$ 44
13								$ 784,050	$ 734,050	$ 28,794	$ 25,757	$ 9,227	$ 50,747				$ 15,262
14																	
15	**2014 Projects**																
16	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2014	10/31/2014	$ 3,044	$ 3,044	$ 264	$ 264	$ 122	$ 551	15.80	6.60	22.40	$ 56
17	Well 9 Transmission Main	Hampton	343	1.20%	Main Replacement	9/30/2014	10/31/2014	$ 57,506	$ 57,506	$ 3,160	$ 3,160	$ 652	$ 2,935	15.80	6.60	22.40	$ 1,222
18	Ocean Boulevard- Dumas Ave to Winnacunnet Rd	Hampton	343	1.20%	Main Replacement	9/30/2014	10/31/2014	$ 536,096	$ 536,096	$ 6,801	$ 6,801	$ 6,352	$ 28,582	15.80	6.60	22.40	$ 11,368
19								$ 596,646	$ 596,646	$ 10,225	$ 10,225	$ 7,126	$ 32,067				$ 12,647
20																	
21	**2015 Projects**																
22	Great Boars Head - Cliff Circle to Ocean Blvd	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$169,733	$ 169,733	$551	$ 551	$ 2,030	$ 7,106	15.80	6.60	22.40	$ 3,643
23	Kings Hwy - 11th, 13th, 14th & 15th St	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$385,374	$ 385,374	$2,324	$ 2,324	$ 4,597	$ 16,088	15.80	6.60	22.40	$ 8,272
24	Ross Avenue	Hampton	343	1.20%	Main Replacement	9/30/2015	10/31/2015	$186,358	$ 186,358	$2,637	$ 2,637	$ 2,205	$ 7,716	15.80	6.60	22.40	$ 4,002
25								$741,465	$741,465	$5,512	$5,512	$8,831	$30,910				$ 15,916
26																	
27	**2016 Projects**																
28	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2016	10/31/2016	$ 7,000	$ 7,000	$606	$ 606	$ 281	$ 703	15.80	6.60	22.40	$ 141
29	Lafayette Rd: H068 to Park Ave (south)	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 121,000	$ 121,000	$1,712	$ 1,712	$ 1,431	$ 3,579	15.80	6.60	22.40	$ 2,630
30	Lafayette Rd: H068 to Park Ave (north)	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 84,000	$ 84,000	$1,189	$ 1,189	$ 994	$ 2,484	15.80	6.60	22.40	$ 1,826
31	Lafayette Rd: Park Ave (north) to Stickney Terr	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 72,000	$ 72,000	$1,019	$ 1,019	$ 852	$ 2,129	15.80	6.60	22.40	$ 1,565
32	Lafayette Rd: Stickney Terr to Winnacunnet Rd	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 245,000	$ 245,000	$3,467	$ 3,467	$ 2,898	$ 7,246	15.80	6.60	22.40	$ 5,326
33	Manchester St: off Ashworth Ave	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 136,000	$ 136,000	$1,924	$ 1,924	$ 1,609	$ 4,022	15.80	6.60	22.40	$ 2,956
34	North Shore Rd: Cusack Rd to Quinlan Ln	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 271,000	$ 271,000	$3,835	$ 3,835	$ 3,206	$ 8,015	15.80	6.60	22.40	$ 5,891
35	Sunsurf Ave: off Cliff Ave	Hampton	343	1.20%	Main Replacement	9/30/2016	10/31/2016	$ 108,000	$ 108,000	$1,528	$ 1,528	$ 1,278	$ 3,194	15.80	6.60	22.40	$ 2,348
36								$ 1,044,000	$ 1,044,000	$ 15,280	$ 15,280	$ 12,549	$ 31,373				$ 22,683
37																	
38	**2017 Projects**																
39	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2017	10/31/2017	$ 7,000	$ 7,000	$606	$ 606	$ 281	$ 422	15.80	6.60	22.40	$ 147
40	High Street: east of Mill Pond Lane	Hampton	343	1.20%	Main Replacement	9/30/2017	10/31/2017	$ 332,000	$ 332,000	$4,698	$ 4,698	$ 3,928	$ 5,891	15.80	6.60	22.40	$ 7,305
41	Winnacunnet Rd: Lafayette Rd. to Towle Av	Hampton	343	1.20%	Main Replacement	9/30/2017	10/31/2017	$ 232,000	$ 232,000	$3,283	$ 3,283	$ 2,745	$ 4,117	15.80	6.60	22.40	$ 5,105
42	Shop Road: transmission main	North Hampton	343	1.20%	Main Replacement	9/30/2017	10/31/2017	$ 503,000	$ 503,000	$7,118	$ 7,118	$ 5,951	$ 8,926	14.53	6.60	21.13	$ 10,440
43								$ 1,074,000	$ 1,074,000	$ 15,704	$ 15,704	$ 12,904	$ 19,356				$ 22,997
44																	
45	**2018 Projects**																
46	Production Meters	Hampton	328	4.40%	Other Pumping	9/30/2018	10/31/2018	$ 7,000	$ 7,000	$606	$ 606	$ 281	$ 141	15.80	6.60	22.40	$ 154
47	King's Hwy: 6th St - 8th St	Hampton	343	1.20%	Main Replacement	9/30/2018	10/31/2018	$ 166,000	$ 166,000	$2,349	$ 2,349	$ 1,964	$ 982	15.80	6.60	22.40	$ 3,696
48	King's Hwy: 8th St - 11th St	Hampton	343	1.20%	Main Replacement	9/30/2018	10/31/2018	$ 241,000	$ 241,000	$3,410	$ 3,410	$ 2,851	$ 1,426	15.80	6.60	22.40	$ 5,366
49	King's Hwy: Gill St - 1st St	Hampton	343	1.20%	Main Replacement	9/30/2018	10/31/2018	$ 117,000	$ 117,000	$1,656	$ 1,656	$ 1,384	$ 692	15.80	6.60	22.40	$ 2,605
50	King's Hwy: Gill St - Redman St	Hampton	343	1.20%	Main Replacement	9/30/2018	10/31/2018	$ 97,000	$ 97,000	$1,373	$ 1,373	$ 1,148	$ 574	15.80	6.60	22.40	$ 2,160
51	King's Hwy: Redcoat Ln - 30 Kings condos	Hampton	343	1.20%	Main Replacement	9/30/2018	10/31/2018	$ 137,000	$ 137,000	$1,939	$ 1,939	$ 1,621	$ 810	15.80	6.60	22.40	$ 3,051
52	6th, 7th, 8th, 9th & 10th Streets	Hampton	343	1.20%	Main Replacement	9/30/2018	10/31/2018	$ 210,000	$ 210,000	$2,972	$ 2,972	$ 2,484	$ 1,242	15.80	6.60	22.40	$ 4,676
53								$ 975,000	$ 975,000	$ 14,303	$ 14,303	$ 11,733	$ 5,866				$ 21,709
54																	
55							TOTALS	$ 5,215,161	$ 5,165,161	$ 89,819	$ 86,782	$ 62,371	$ 170,320				$ 111,213
56									to 2019 1, Ln 2			to 2019 1, Ln 28	to 2019 1, Ln 4				to 2019 1, Ln 30

***Total capital costs are reduced by $50,000 proportionately per Order No. 25,539. Retirements are also proportionately reduced.**
**** Type of Project (designations will be given for various types of projects)**

STATE OF NEW HAMPSHIRE

Inter-Department Communication

DATE: December 4, 2015
AT (OFFICE): NHPUC

FROM: Bridget Nelson, Examiner

SUBJECT: Aquarion Water Company of New Hampshire, Inc.
DW 15-476 Water Infrastructure and Conservation Adjustment Mechanism
FINAL Audit Report

TO: Mark Naylor, Director Gas-Water Division, NHPUC
Jayson Laflamme, Utility Analyst IV
Robyn Descoteau, Utility Analyst III

Introduction

Aquarion Water Company of New Hampshire, Inc. (Aquarion) has been participating in the Water Infrastructure and Conservation Adjustment since the Commission approved it as a pilot program in Order 25,019 issued September 25, 2009.

In Docket DW 14-300, Aquarion, petitioned for approval of its proposed 2015 projects to be eligible for recovery though the WICA surcharge mechanism. Order 25,751, issued January 12, 2015, granted the approval for the projects.

On October 30, 2015, Aquarion filed the 2015 costs for recovery beginning January 1, 2016 in Docket DW 15-476.

2015 Projects

On October 29, 2014 Aquarion petitioned for approval of proposed projects to be completed in 2015. They proposed four projects, one that was previously approved for the 2014 project year, totaling approximately $1 million.

Of the four projects three are in Hampton; The Great Boars Head, Kings Highway, Ross Avenue. The Cable Road project is in Rye.

On July 30, 2015, Aquarion issued a letter to the PUC informing them that the Cable Road project was eliminated. The proposed project was to replace 400 feet of 1930s cast iron pipe. The Company later determined that the main was already abandoned, as it was replaced in 1988 with a ductile iron main. The project was eliminated and was not supplemented with another project.

The three remaining projects were completed and deemed used and useful prior to September 30, 2015. The total costs that Aquarion is seeking through the WICA mechanism are $745,642.64

Project Name	Location	Estimated Costs Low	High	Actual Costs	Status
Great Boars Head	Cliff Circle to Ocean Blvd	$190,000	$210,000	$178,087.47	Complete
Kings Highway	11th, 13th, 14th, & 15th St	$483,000	$579,000	$397,822.37	Complete
Ross Avenue		$178,000	$213,000	$169,732.80	Complete
Cable Road	Central Rd to Huntervale Ave	$54,000	$65,000	$0.00	Eliminated
				$745,642.64	

Great Boars Head

The Great Boars Head project was originally slated for completion in 2014. Due to unforeseen circumstances, the project was not completed in time to be considered used and useful prior to September 30, 2014.

The project involved retiring 480 feet of 10-inch diameter, unlined, cast-iron main which was originally installed in 1910. This portion of main, which is some of the oldest in the system, is located in an alley that is too narrow for machine equipment and needed to be excavated by hand. As the alley is very narrow, the new main needed to be installed laterally from an existing main on Boards Head Terrance to points where existing water services can be connected.

The old main was cut and capped at the ends and abandoned in place.

Kings Highway, including 11th, 13th, 14th, and 15th Streets

The Kings Highway project involved replacing 950 feet of 8-inch, unlined, cast-iron, main originally installed on Kings Highway in 1915. The mains on the numbered streets lay perpendicular to Kings Highway and are 2-inch, unlined, galvanized main installed in 1935. Each main is approximately 300 feet long.

The Kings Highway Main was selected because of its age and poor material rating. It also had a recent major main break and old bolted joints between pipe segments that leak. The main is also one of three transmission mains to the Hampton Beach pressure zone.

The numbered street mains also have poor material rating and have a history of breaks and leaks. Several of the mains were dead ends which were eliminated by looping to the Kings Highway main.

Replacing all of the mains at one time helped improve costs by reducing contractor mobilization costs.

Ross Avenue

The Ross Avenue mains was installed in 1961 and is 700 feet of 6-inch, partially unlined, cast-iron main.

This main was selected due to one half of the main having high prioritization factors, it being too shallow to bleed in the winter to avoid freezing, and the Town of Hampton has Ross Ave on their paving schedule in 2016 (per Carl McMorran's testimony in DW 14-300).

Sharing paving costs with the Town helps reduce the overall project costs.

Hydrant Replacement

Per Commission Order 25,539, dated June 28, 2013 *"The first $50,000 in costs related to the emergency/reactive replacement of services, valves, and hydrants in a given year's WICA filing shall not be eligible for recovery through the WICA surcharge".* During the period of October 1, 2014 through September 30, 2015, the Company did not incur service, valves or hydrant replacement costs in excess of the $50,000 threshold.

Bid Summary

The Company noted that the bid process for the two 2015 projects was handled by the Company's consulting firm, Tighe & Bond. Bid requests were sent out to eight contractors and only two bids were received. The lowest bidder, D'Allessandro Corp., was chosen to complete the projects.

The Great Boars Head project was originally projected for 2014 and was put out to bid with those projects. The 2014 bid process was also handled by Tighe & Bond. The bid request went out to six contractors and no bids were received by the due date. Aquarion's Procurement Director contacted the six contractors and Robert Pike Construction was the only one interested. The design engineer reviewed the proposal received from Robert Pike and deemed it reasonable. Robert Pike was awarded the projects.

2015 Project Review

Audit was provided and reviewed all contractor invoices for the three projects completed in 2015.

Material and labor costs were verified and overhead costs were recalculated. No exceptions were noted with regards to material, labor and overhead costs.

No additional costs, including paving, are expected for the three projects.

Great Boars Head

The Great Boars Head project's total costs were $169,732.80. 85% of the total costs were paid to two vendors, Tighe & Bond and Robert Pike Construction. Four other vendors' expenses made up 4% of the total costs and the remaining 11% was for materials, labor and overhead.

The E-22 provided a start date of April 1, 2014 and the end date was "to be determined". The estimated costs of the project were listed at $207,000.

Audit reviewed all invoices in detail for the six vendors paid. Invoices were for professional services, permit and police detail, construction work and plumbing work.

An invoice from Post Woodworking for $2,269.75 was for a replacement shed on a customer's property. Aquarion noted the following, regarding the shed expense:

"The cost to replace the shed was included in the project due to the original shed's placement being on top of the main, service line taps and valves. The homeowner would not allow the Company onto the property unless we agreed to replace the shed. The condition of the shed did not allow us to move the shed during construction and move it back upon completion. The Company feels this was a necessary cost in order to get the project in its used and useful state. The project could not have been completed otherwise, so the Company believes including the shed's cost in the project is justified."

Kings Highway

The Kings Highway total projects costs were $397,822.37. Of those total costs, 57% was paid to the contractor. 33% of the expenses were paid to two other vendors. The remaining 10% of the costs were for miscellaneous expense, labor and overhead.

The E-22 shows an estimated project cost to be $314,000. The project was to begin in May 2015 and end in July 2015.

Audit reviewed all invoices in detail for the three vendors paid. Invoices were for professional services and materials.

Invoices received from Tighe & Bond included work for three projects. Two of the invoices were fully charged to the Kings Highway project when only a portion of the invoice should have been. The total Tighe & Bond expenses should be reduced by $12,419.34.

Invoice Date	Invoice Number	Original Amount	Revised Amount	Difference
1/19/2015	11590022	$12,322.04	$3,315.30	-$9,006.74
2/11/2015	21590011	6,085.30	2,672.70	-3,412.60
		$18,407.34	$5,988.00	-$12,419.34

There was also a miscellaneous charge of $29.07 that was inadvertently charged to the Kings Highway project. This expense should also be deducted from the total project costs.

The Kings Highway project's original costs were $397,822.37. With the reduction of $12,419.34 and $29.07, the revised project costs are $385,373.96.

Ross Avenue

The total project costs for Ross Avenue were $178,087.47. 58% of those total costs were paid for the contractor. 30% of the costs were paid to other vendors and 12% of the costs were for materials, labor and overhead.

The E-22 shows that the project will be underway from May 2015 through July 2015. The project was estimated to cost $241,000.

Audit reviewed all vendor invoices in detail. Invoices were for professional services, construction work, plumbing, paving and materials.

The two Tighe & Bond invoices that were fully charged to Kings Highway should have had a portion charged to the Ross Ave project. An additional $8,270.39 should be added to the projects expenses. The Kings Highway's reduction of $12,419.34 includes this amount.

The total Ross Avenue project costs should be $186,357.86.

Continuing Property Records (CPRs)

Audit requested CPRs for the three projects completed in 2015. Audit provided to the Company, the "Explanation of Continuing Property Records" document found on the PUC's website.

Aquarion provided an Excel spreadsheet which fulfills the five requirements of a CPR.

1. The date on which the job was complete – The spreadsheet notes a "Cap Date" which is the date the asset was deemed used and useful and placed into service.
2. The number of units added to this account and the cost – The spreadsheet notes the plant in service account to which the asset was booked; a brief description, including how many feet of main; and the acquisition costs.
3. The number of units retired and cost – The spreadsheet indicates which asset was retired and the cost. The asset description notes how many feet were retired.
4. The net amount of units and the cost – There is no line item that shows the net units and cost as the spreadsheet lists each asset separately. However, you can determine the net units and costs by formatting the Excel spreadsheet in a different manner.
5. The Remarks or Location column to be used for clarification or to list the location of the property – The Asset description provides a location along with a location number code and the town.

It is recommended by the PUC to record the depreciation on the CPR but it is not required. Aquarion maintains a separate sheet to record the depreciation accrual.

Audit verified the CPR Excel spreadsheet to the project costs and no exceptions were noted.

Retirements

All three project completed in 2015 have retirements associated with them. The CPR Excel spreadsheet notes the following asset retirements:

Great Boars Head

- Asset #1010000977 - $551

Kings Highway

- Asset #1010001163 - $827
- Asset # 1010001093 - $1,497

Ross Ave

- Asset #1010001142 - $2,637

Debra Kirven's testimony in Docket DW 15-476 erroneously included the retirement of $9,589 for Asset # 1010001253 in the Kings Highway total of $11,912. Audit requested clarification and was told:

> *"In the search for assets associated with Kings Highway the asset #1010001253- "400' of 8" CICL Brown Ave, 860' in town par**king**" was inadvertently included. This asset should not have been retired. The amount of $9,589 should be removed from the retire column in attachment DK-1 and the accurate retirement for King's Highway should be $2,324*."

General Ledger

Audit requested a copy of the general ledger for the three projects. The GL shows costs being charged to, 408 - Payroll Taxes, 920 – Administrative & General Salaries, and 926 – Employee Pensions & Benefits as appropriate. All contractor charges were held in a 500 account.

Audit questioned the 500 account and was told it was a work in process account. Because Aquarion's largest service territory is Connecticut, they maintain their SAP system using the Connecticut chart of accounts. When providing annual reports for NH, they convert the account numbers to follow the NH PUC Chart of Accounts. Aquarion provided a conversion chart to Audit.

When a project is initially set up in the system, the Utility Plant in Service account is identified. All contractor charges for that particular project are placed in the 500 account until the project is complete. Once Aquarion personnel note in the system that the project is complete, the system automatically moves the total of all of the costs to the 101 account specified during set up.

The general ledger provided to Audit shows the cost sitting in the 500 account. Audit was able to tie those costs, along with the 408, 920 and 926 accounts, back to the CPR spreadsheet, which identifies the plant in service account the project costs were charged to. Audit was then able to tie the beginning Plant in Service balance from their annual report, Schedule F-6, to the beginning balance on the CPR spreadsheet.

Audit also verified the CPR spreadsheet ending balance as of 10/31/2015 to the October trial balance.

No exceptions were noted.

Summary

Audit reviewed the used and useful WICA projects for 2015. Support for all the costs were provided in the form of the general ledger accounts, work orders, contracts and invoices. The table below summarizes the adjustments Audit recommends for the year ending September 30, 2015.

Total Gross Project Costs per the Filing	$745,642.64
Less: Kings Hisgway - Tighe & Bond/Misc	(12,448.41)
Add: Ross Avenue - Tighe & Bond	8,270.39
Total Adjusted Project Costs	$741,464.62

STATE OF NEW HAMPSHIRE

Inter-Department Communication

DATE: December 21, 2015
AT (OFFICE): NHPUC

FROM: Douglas W. Brogan

SUBJECT: DW 15-476, Aquarion Water Company of New Hampshire
2016 WICA Adjustment Filing

TO: Mark A. Naylor
Director, Gas & Water Division

This memo is being submitted at your request to provide observations and recommendations in docket DW 15-476, the 2016 WICA adjustment filing of Aquarion Water Company of New Hampshire (Aquarion or company). As the former Division water/sewer engineer, I am acquainted with Aquarion's water system and its WICA pilot program. I filed recommendations as a consultant to the Commission in the company's two most recent WICA cases, DW 13-314 and DW 14-300. My review is limited primarily to the engineering and operational aspects of the current filing and is based on review of the filing itself, case discovery, and participation in a technical session on December 15, 2015. While my review included the smaller WICA replacements such as valves, services, hydrants and meters, the focus of my comments is on the water main replacement projects that comprise the core of the filing.

<u>Projects Completed in 2015 (for 2016 WICA Adjustment)</u>

The only change from the current year projects approved in DW 14-300 was elimination of the relatively small Cable Road main replacement. This occurred as a result of the company's subsequent determination the main had been replaced 27 years ago, although documentation from that earlier replacement was lacking. The company provided an update in August notifying the relevant parties of the project deletion in accordance with its tariff.

The Great Boars Head project was a leftover from DW 14-300 in that it was not able to be completed by the September 30, 2014 cutoff date for that filing. The project involved a difficult location near the shore, where access to an existing main, dating from 1910 and running between existing homes, was severely restricted. The company was able to reduce costs by obtaining new easements to run several small, perpendicular mains from a nearby main to pick up the necessary service lines and allow abandonment of the 1910 main. That methodology, combined with favorable field conditions, allowed the project to be completed for $169,733. The estimated cost range for the project in DW 14-300 had been $190,000 to $210,000.

The Kings Highway project was completed using pipe bursting technology instead of open-cut construction for the primary section, and directional drilling for the smaller side street main replacements. This and other favorable factors allowed the project to also come in well below estimated cost ($385,374, vs. $483,000 to $579,000 estimated).

The third project, Ross Avenue, was completed within the lower end of the estimated cost range ($186,358, vs. $178,000 to $213,000 estimated).

Future Projects

A number of both subtle and significant improvements were made in the current filing to the already fairly extensive rating system used to assess individual pipe segments in the WICA program. The improvements are the result of additional field work, more recent hydraulic model runs and other factors. In this regard the rating system has continued to evolve for the better.

A new engineering study of Aquarion's overall system by the engineering firm Tata & Howard ("Capital Efficiency Plan Update") (study) was referenced in Mr. McMorran's testimony and obtained during discovery (response to Staff 1-6). Although a finalized version of the study was not received by the company until the month after the October 30, 2015 filing of the current case, the company has indicated the relevant substance of the study was considered during project selection for the instant filing (response to TS-1, b). While confidentiality issues relating to access to the study remain to be resolved, the study appears well done and contains a significant amount of information about the overall water system. The company has stated the study will be one more tool its own engineering department will consider in prioritizing future water main replacements (response to TS-1, c). It will be interesting to see to what extent any variances in water main rating criteria, and the specific, prioritized project recommendations contained in the study, are incorporated into future WICA filings. I would note that of the two general locations of concern in the study's Phase I (most critical) water main improvement recommendations, one (Lafayette Road/Park Avenue area) is at least partially addressed by the company's proposed 2016 WICA projects; and consideration of the second (Ocean Boulevard from Great Boars Head south) is being "postponed for at least a year to evaluate cleaning and lining alternatives" given the high replacement costs involved (McMorran testimony p. 8, lines 12-14). Overall, the study should provide a useful basis for future WICA project evaluations.

As a result of other discovery in the case, a water main rating spreadsheet error was corrected, resulting in a slight revision to the ratings (response to Staff 1-4 d) and a single project substitution in the proposed 2017 projects ("Winnacunnet Rd: Lafayette Rd to Towle Av" replaced "Park Ave: Landing Rd to V 1000 7408"). However, various other future year project replacements also occurred from those approved in DW 14-300 - not atypical for WICA filings as priorities, scheduling opportunities, costs and other factors change from year to year.

Conclusion

The level of proposed WICA investment in the current filing is fairly consistent with that of recent filings, and as such it appears Aquarion may approach its WICA rate cap of 7.5% between rate cases in a couple years (based on use of 'high' vs. 'low' or average cost estimates and full open-cut construction). However, the company continues to find creative options and apply cost-saving technologies to its projects where feasible; and the program appears to be providing reliability and other benefits to both the system and customers.

In light of the above comments and the information provided in the case, I believe the 2015 investments are used and useful and were prudently incurred, and recommend approval. I also recommend approval of the 2016 and 2017 projects as proposed by Aquarion.

I trust these comments are responsive to your request. Please let me know if you need anything further in this regard.

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Pursuant to N.H. Admin Rule Puc 203.11 (a) (1): Serve an electronic copy on each person identified on the service list.

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FILING INSTRUCTIONS:

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DEBRA A HOWLAND
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