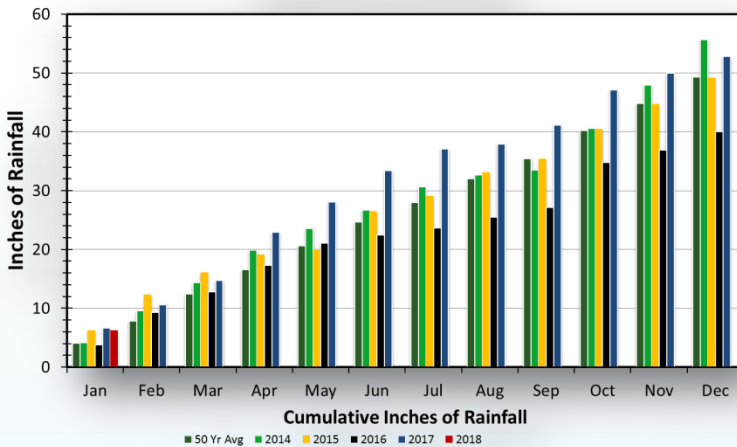


Water Supply Update

Serving the Communities of Hingham, Hull, & North Cohasset

Aquarion Water Company, MA
Cumulative Monthly Rainfall
Hingham Water Treatment Plant



Weather Trends – 2018 Starting Like 2017

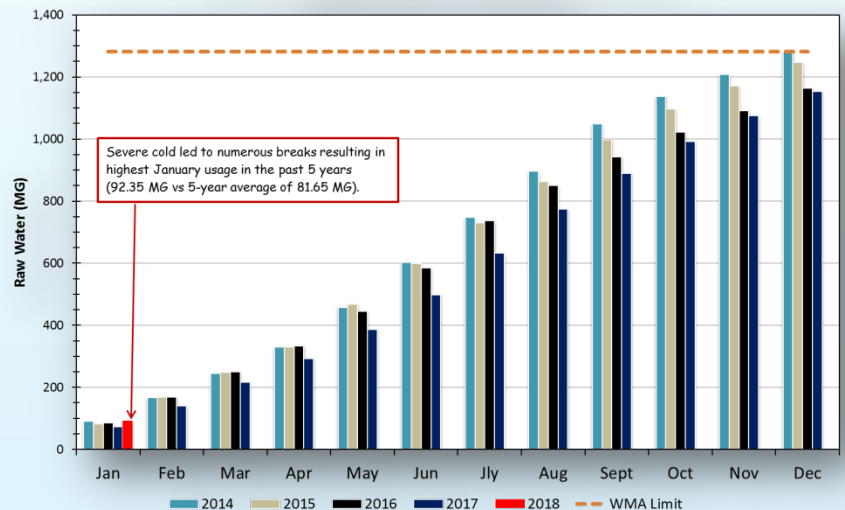
The total amount of recorded precipitation for January 2018 was 6.25 inches, which is 2.57 inches above average and similar to January 2017.

Groundwater and surface water levels are normal for this time of year. Accord pond is at 80%, based on the water level recorded at the end January.

Water Supply and Demand – Severe Cold Increase January Demands

The average amount of water pumped from our sources to meet demands in January 2018 was 2.98 million gallons per day (MGD), a 0.44 MGD increase over the usage in December 2017. This increase in usage is attributed to the severe cold temperatures, which resulted in seven water main breaks and five water service leaks in the month of January 2018 (over three times the number of leaks compared to January 2017). These numbers do not include frozen Interior water lines experienced by customers. Aquarion encouraged customers to run their faucets at trickle to prevent freezing during the cold spell.

Aquarion Water Company, MA
Cumulative Monthly Raw Water Flows (Sum of Sources)
Hingham Water Treatment Plant



Water Resource Management

There was no shortage of leaks this past month to find and repair. However, the severe cold temperatures prevented some of the leaks from being repaired as aggressively as usual, resulting in higher than average water usage. A full system leak detection survey is scheduled to begin in late March this year.

We will meet with the Weir River Watershed Association and the Department of Environmental Protection in February to review and discuss the preliminary results of our Fulling Mill watershed yield evaluation to augment summertime flows in the Weir River. The objective of this supply option is to store excess water during periods of high stream flows in our existing surface water storage facilities at Fulling Mill, and then release supplemental flows into Fulling Mill Brook to augment flows during the summer. Our consulting engineers have estimated that there is sufficient storage capacity to reduce periods of low stream flow while also enhancing our groundwater withdrawals.

Customer Service/Community Outreach - Supporting and Enhancing the Communities Where We Live, Work, and Operate.

As you may be aware, Aquarion is rehabilitating the Accord water storage tank located off of Route 228 in Hingham, and this \$800,000 project represents a substantial, yet critical investment in infrastructure.

We made a significant effort to educate residents, businesses and public officials about the project. In addition to meeting with critical customers (medical facilities, schools, etc.), we created a project webpage, posted information on our local Facebook page, and worked with neighborhood associations to communicate with residents through email, making it faster and easier to receive important updates about the project.

In January, Aquarion met with the Hingham Water Supply Committee to discuss our 2018 capital investment and water resource management plan. We presented the results of our 2017 analysis of the water supply system, indicating that we can meet forecasted growth through 2031, and discussing our evaluations and plans for a supplemental water supply source. The meeting was well attended by the public and we hope that everyone learned more about the plan and appreciate the challenges of delivering safe drinking water.

We were also incredibly proud to sponsor the Ames Chapel Cultural Series and the Hingham Community Center Event Series.

If you haven't visited us on Facebook, please take a moment and go to www.facebook.com/HinghamWaterFacts and like us.



News and Notes

Our contractors have mobilized to the site of our Accord water storage tank and have begun erecting scaffolding for the rehabilitation project. The tank is scheduled to be taken off-line in mid-March to begin construction. A neighborhood project meeting has been scheduled for February 27 to discuss the project with residents. Painting is expected to begin in April and will be completed by the end of May. For more information, please visit our website.

Bidding for our 2018 water main replacement projects in Hingham (Sherwood Road, Butler Road, Smith Road, Hayes Road, and Elmore Road) and Hull (Maple Lane, Logan Avenue, and Cadish Avenue – M Street to S Street) is nearly complete. We expect to award these projects to contractors in February. We are coordinating the work on Sherwood Road, Butler Road, and Smith Road with the Hingham Department of Public Works, with work expected to begin by mid-March (weather permitting).

Have you checked to see if you're eligible for our free plumbing fixture replacement program? To date, we've completed free replacements for 210 customers, including over 365 toilets, 480 showerheads and faucet aerators, plus rebates on 14 high-efficiency washing machines. In total, this accounts for over 5,200 gallons per day of savings. To find out more about our Customer Water Conservation program and to see if you are eligible, please visit our website at www.aquarionwater.com/conservationoffers.

Aquarion Water Company, MA

Monthly Average Water Withdrawals (including Hingham, Hull, & N. Cohasset)

Month/Yr	2011 (MGD)	2012 (MGD)	2013 (MGD)	2014 (MGD)	2015 (MGD)	2016 (MGD)	2017 (MGD)	2018 (MGD)	Average (MGD)
January	3.19	2.75	2.78	2.62	2.65	2.77	2.34	2.98	2.79
February	3.08	2.62	2.72	2.60	3.08	2.87	2.43		2.83
March	2.84	2.69	2.61	2.57	2.60	2.65	2.44		2.66
April	2.88	3.20	2.42	2.76	2.73	2.74	2.57		2.79
May	3.47	3.73	3.21	4.06	4.41	3.59	3.04		3.74
June	4.35	3.49	3.94	4.75	4.34	4.66	3.73		4.26
July	4.87	4.06	4.63	4.64	4.23	4.94	4.31		4.56
August	3.87	3.14	4.34	4.79	4.32	3.67	4.57		4.02
September	2.89	2.81	4.03	5.09	4.51	3.05	3.84		3.73
October	3.01	2.35	3.57	2.89	3.21	2.59	3.35		2.94
November	2.70	2.48	2.93	2.36	2.46	2.29	3.22		2.54
December	2.73	2.59	2.66	2.46	2.46	2.33	2.54		2.54
Average (MGD)	3.32	2.99	3.33	3.47	3.42	3.18	3.16	2.98	3.28

MGD - Million Gallons per Day

* Includes Meter Corrections

Annual Water Management Act Registration Limit: 3.51 MGD

Aquarion Water Company, MA

Monthly Average Water Withdrawals (including Hingham, Hull, & N. Cohasset)

Month/Yr	2011 (MG)	2012 (MG)	2013 (MG)	2014 (MG)	2015 (MG)	2016 (MG)	2017 (MG)	2018 (MG)	Average (MG)
January	98.89	85.17	86.33	81.37	82.11	85.89	72.55	92.35	86.62
February	86.27	76.11	76.27	72.79	86.12	83.16	67.91		80.12
March	88.19	83.29	80.98	79.52	80.72	82.21	75.49		82.49
April	86.52	95.94	72.63	82.70	81.99	82.23	76.97		83.66
May	107.58	115.63	99.41	125.74	136.57	111.28	94.27		116.04
June	130.45	104.80	118.22	142.44	130.20	139.81	112.00		127.65
July	151.05	125.83	143.48	143.84	131.10	153.18	133.49		141.41
August	119.85	97.19	134.51	148.39	133.94	113.87	141.68		124.62
September	86.72	84.25	121.02	152.74	135.38	91.38	115.19		111.92
October	93.24	72.93	110.76	89.59	99.47	80.41	103.83		91.07
November	80.88	74.49	87.81	70.85	73.69	68.71	82.45		76.07
December	84.77	80.28	82.49	76.41	76.14	72.18	78.71		78.71
Total (MG)	1,214.42	1,095.91	1,213.91	1,266.36	1,247.43	1,164.31	1,154.57	92.35	1,200.39
Average (MGD)	3.32	2.99	3.33	3.47	3.42	3.18	3.16	2.98	3.28

MG - Million Gallons

MGD - Million Gallons per Day

* Includes meter corrections

Aquarion Water Company, MA
Monthly Water Supply Report
Hingham/Hull/Cohasset

Month
January

Year
2018

Monthly Supply Pumping Summary

Accord Pond	11.35	MG	12.3%
Scotland St Well #1	12.27	MG	13.3%
Scotland St Well #1A	6.31	MG	6.8%
Prospect St Well	6.63	MG	7.2%
Free St Well #2	0.00	MG	0.0%
Free St Well #2A	12.73	MG	13.8%
Free St Well #3	0.00	MG	0.0%
Free St Well #4	22.61	MG	24.5%
Free St Well #5	7.90	MG	8.5%
Fulling Mill Well #1	9.30	MG	10.1%
Fulling Mill Well #2	3.26	MG	3.5%
Fulling Mill Cistern	0.00	MG	0.0%
Downing St Well	0.00	MG	0.0%
	92.35	MG	100.0%
	2.98	MGD	

Accord Pond (last day of the month)

Water Elevation (Ft)	140.2
Usable Volume (MG)	221.37
Capacity (%)	80.5

MG - Million Gallons

MGD - Million Gallons Per Day

Statistics

Pumping

Maximum Day (MGD)	3.53
Date	01/16/18

Minimum Day (MGD)	2.63
Date	01/30/18

Year to Date

Maximum Day (MGD)	3.53
Date	01/16/18

Average Day (MGD)	2.98
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Temperature (°F)

Maximum	57.6
Date	01/23/18

Minimum	0.2
Date	01/01/18

Precipitation

Monthly Total (Inches)	6.25
Annual Total (Inches)	6.25