



Water Supply Update

Serving the Communities of Hingham, Hull, & North Cohasset

News and Notes

- We want to thank our customers for participating in the seasonal water restrictions. Twice a week restrictions will remain in effect through October 15. The restrictions apply only to irrigation systems and hose-end sprinklers. Customers with odd number street addresses may only water on Tuesdays and Saturdays, and those with even number street addresses may only water on Wednesdays and Sundays. On these assigned days, customers are allowed to water before 10 a.m. and after 6 p.m., when evaporation losses are minimized and more water goes to the lawn's roots. For more information on maintaining a health lawn while also conserving water please visit www.aquarionwater.com/watering
- Rehabilitation of the Accord Tank was completed the Friday before Memorial Day weekend. Our staff in Hingham and team in Connecticut devoted many hours to ensure that the construction project was coordinated with our customers, town officials, and contractor. We are proud of the final product and look forward to many more years of service from this water storage tank.
- We will be starting construction of our shallow water main replacement project this June in Hull. Our contractor is making preparations to begin work on Logan Avenue and Alsada Road. The entire project will be completed in two phases over the next two years. Phase I includes the replacement of approximately 2,300 feet of shallow buried water mains in the towns of Hingham and Hull (Elmore Road, Hayes Road, Logan Avenue, and Alsada Road). Phase 2 will be completed in 2019 and includes Maple Lane and a portion of Cadish Avenue in Hull. The project will eliminate the need for bleeder valves which will save approximately 1.2 million gallons of water per year.
- Our customer water conservation program is ongoing. Since March 2017, we have completed the replacement of over 497 toilets with new water conservation units for over 280 customers. The work completed has resulted in water conservation savings of approximately 7,547 gallons per day (nearly 2.75 million gallons per year)! If you have not already had the opportunity to sign up for our customer water conservation program, or tell others about it, please visit our website at www.aquarionwater.com/conservationoffers.



Water Resource Management

Our wells are ready for the summer after cleaning and rehabilitating them this past spring. In addition, we are scheduled to complete renovations and upgrades to our Free Street Well #2 in June. The Free Street Well #2 was formerly an “emergency” supply source with limited

capabilities. Upgrading this well will increase our reliability of service and ability to deliver water to the treatment plant for our customers.

Aquarion is continuing field work and engineering evaluations of our Fulling Mill resource area water supply study. The resource areas have been surveyed and our engineers are preparing a computerized watershed model to evaluating our ability to store water from Accord Brook during high stream flows and release the water into Fulling Mill Brook to augment flows in the Weir River during low flow periods.

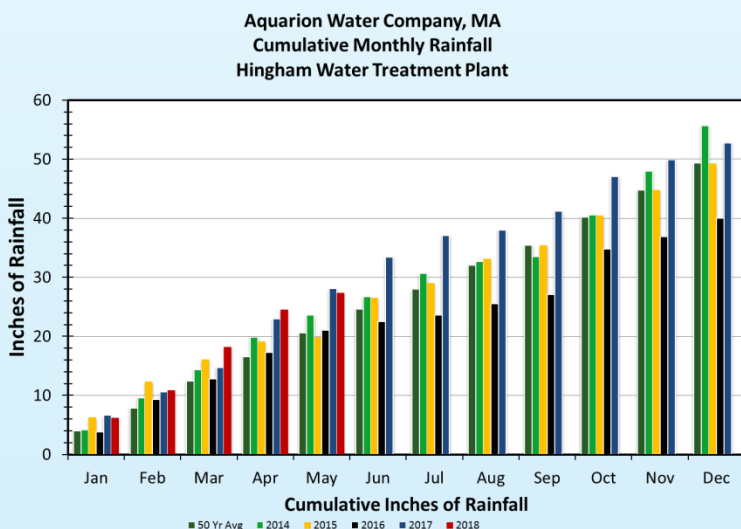
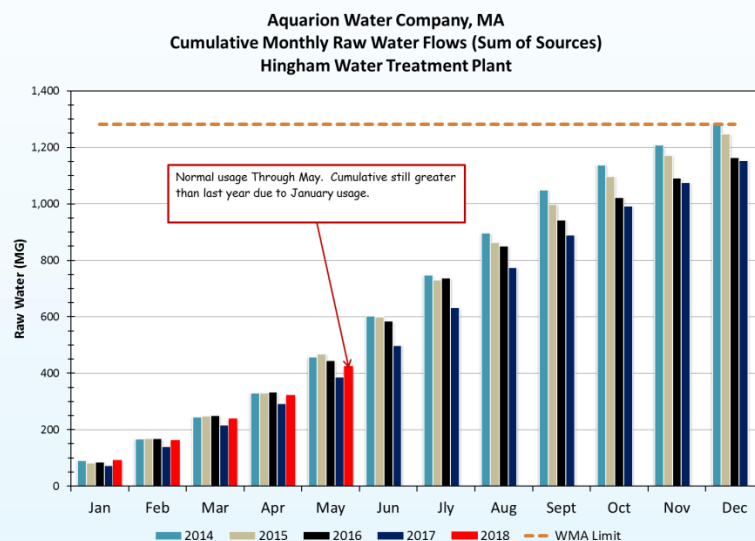
In our continuing effort to conserve water, we have repaired all of the leaks found during a recent leak detection survey completed in May. A second leak detection survey of the system is planned for this fall.

Water Supply and Demand – Summer is Coming

Water demands for May 2018 were normal for this time of year. The average amount of water pumped from our sources to meet demands in May 2018 was 3.3 million gallons per day (MGD). Although the cumulative usage through May (2.81 MGD) is greater than last year at this time, the cumulative usage is still the 3rd lowest in the past 8 years. We anticipate that water demands will continue to increase in June as the summer season sets in.

Weather Trends

The total amount of recorded precipitation for May 2018 was 2.79 inches, which is 1.26 inches below the historic average precipitation for the month of May. However, cumulative precipitation through the month of May is 27.37 inches, which is 8.02 inches above average.



The spring precipitation has fully recharged our aquifer and resulted in normal groundwater levels for this time of year. In addition, the water level of Accord Pond is above average for this time of year. It is at 96% capacity, which represents a usable volume of over 264 million gallons.

Community Outreach

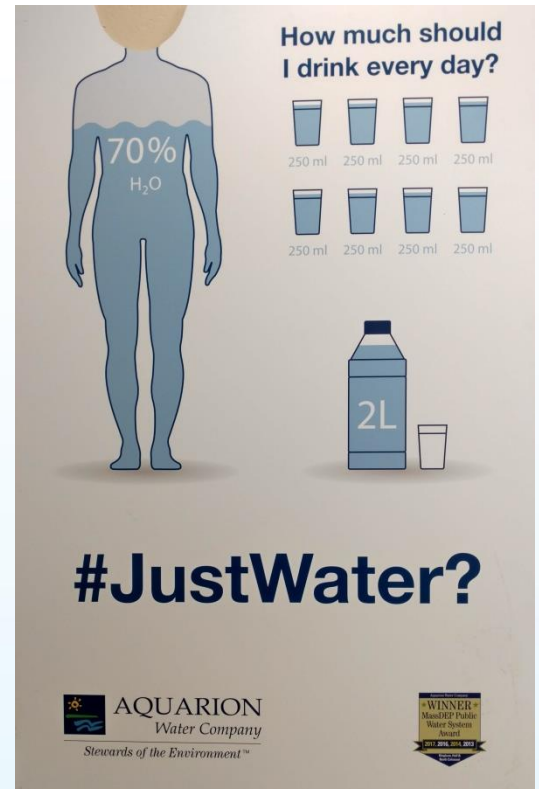
With the warm weather upon us, and summer just around the corner, proper hydration is at the forefront of everyone's mind. Studies show that we should drink at least 8 glasses (2 liters) of water a day.

Aquarion was pleased to provide water for number of school events in Hingham and in Hull this month. Between elementary school and middle school field days, the Foster School Boosterthon, soccer tournaments, and many other events, parent volunteers are counting on us to keep the kids hydrated.

In past years, our "Beat the Heat" campaign was part of many events such as the Hingham Youth Football League Pep Rally and the Hingham Pizzapalooza. This year we enhanced the program and called it "Just Water?". Our hope is that people recognizes the importance of water in their everyday lives and that proper hydration is vital for healthy living!

If you haven't already please Like us on Facebook and help spread the word... #JustWater?

www.facebook.com/HinghamWaterFacts



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	2.73
February	3.08	2.62	2.72	2.60	3.08	2.87	2.43	2.54	2.77
March	2.84	2.69	2.61	2.57	2.60	2.65	2.44	2.48	2.63
April	2.88	3.20	2.42	2.76	2.73	2.74	2.57	2.75	2.76
May	3.47	3.73	3.21	4.06	4.41	3.59	3.04	3.30	3.64
June	4.35	3.49	3.94	4.75	4.34	4.66	3.73		4.18
July	4.87	4.06	4.63	4.64	4.23	4.94	4.31		4.53
August	3.87	3.14	4.34	4.79	4.32	3.67	4.57		4.10
September	2.89	2.81	4.03	5.09	4.51	3.05	3.84		3.75
October	3.01	2.35	3.57	2.89	3.21	2.59	3.35		3.00
November	2.70	2.48	2.93	2.36	2.46	2.29	3.22		2.63
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	2.81	3.27

MGD - Million Gallons per Day

* Includes Meter Corrections

Annual Water Management Act Registration Limit: 3.51 MGD

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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	84.61
February	86.27	76.11	76.27	72.79	86.12	83.16	67.91	71.07	78.38
March	88.19	83.29	80.98	79.52	80.72	82.21	75.49	76.80	81.49
April	86.52	95.94	72.63	82.70	81.99	82.23	76.97	82.52	82.71
May	107.58	115.63	99.41	125.74	136.57	111.28	94.27	102.23	112.93
June	130.45	104.80	118.22	142.44	130.20	139.81	112.00		125.42
July	151.05	125.83	143.48	143.84	131.10	153.18	133.49		140.28
August	119.85	97.19	134.51	148.39	133.94	113.87	141.68		127.06
September	86.72	84.25	121.02	152.74	135.38	91.38	115.19		112.38
October	93.24	72.93	110.76	89.59	99.47	80.41	103.83		92.89
November	80.88	74.49	87.81	70.85	73.69	68.71	82.45		76.98
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	424.97	1,200.39
Average (MGD)	3.32	2.99	3.33	3.47	3.42	3.18	3.16	2.81	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
May

Year
2018

Monthly Supply Pumping Summary

Accord Pond	16.69	MG	16.3%
Scotland St Well #1	12.87	MG	12.6%
Scotland St Well #1A	5.96	MG	5.8%
Prospect St Well	7.70	MG	7.5%
Free St Well #2	0.00	MG	0.0%
Free St Well #2A	17.76	MG	17.4%
Free St Well #3	0.00	MG	0.0%
Free St Well #4	19.29	MG	18.9%
Free St Well #5	6.71	MG	6.6%
Fulling Mill Well #1	10.33	MG	10.1%
Fulling Mill Well #2	4.93	MG	4.8%
Fulling Mill Cistern	0.00	MG	0.0%
Downing St Well	0.00	MG	0.0%
	102.23	MG	100.0%
	3.30	MGD	

Accord Pond (last day of the month)

Water Elevation (Ft)	141.5
Usable Volume (MG)	264.0
Capacity (%)	96

MG - Million Gallons

MGD - Million Gallons Per Day

Statistics

Pumping

Maximum Day (MGD)	4.10
Date	05/26/18

Minimum Day (MGD)	2.67
Date	05/01/18

Year to Date

Maximum Day (MGD)	4.10
Date	05/26/18

Average Day (MGD)	2.81
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Temperature (°F)

Maximum	92.1
Date	05/25/18

Minimum	43.0
Date	05/18/18

Precipitation

Monthly Total (Inches)	2.79
Annual Total (Inches)	27.37