

Water Supply Update

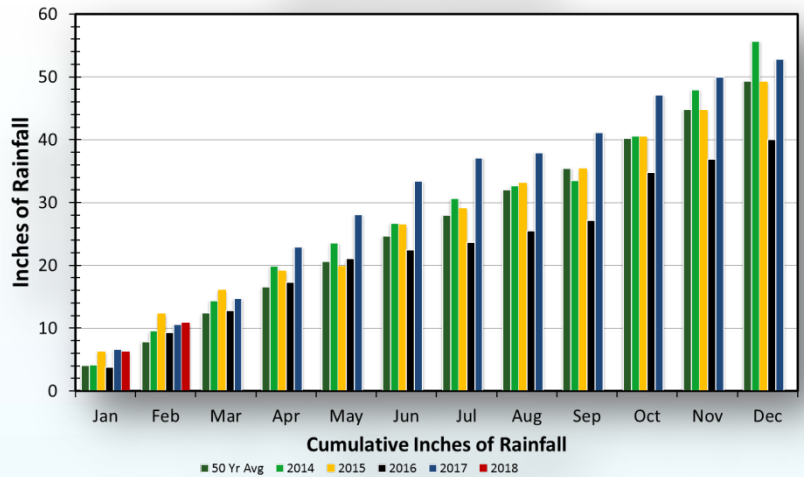
Serving the Communities of Hingham, Hull, & North Cohasset

Weather Trends – Winter is Lingering

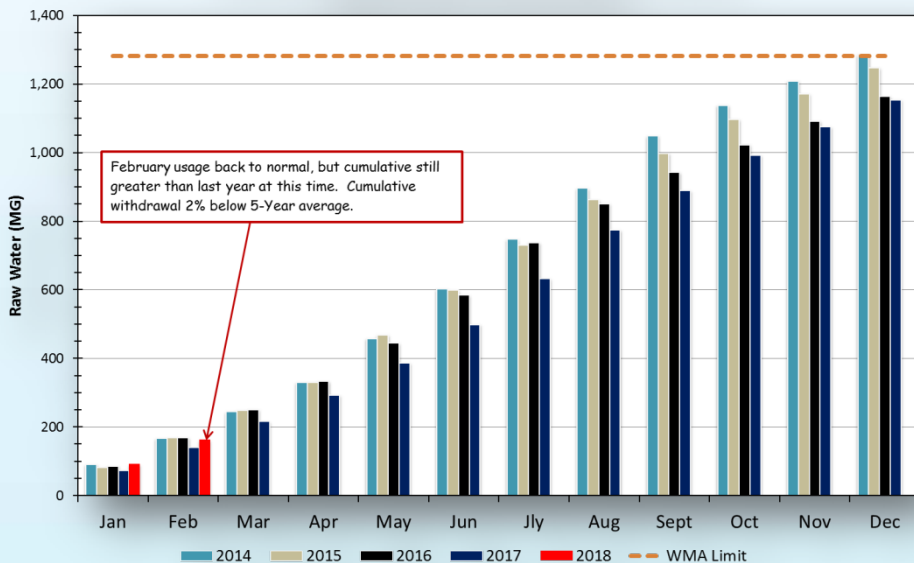
The total amount of recorded precipitation for February 2018 was 4.64 inches, which is 0.79 inches above the historic average precipitation in February. Cumulative precipitation for the year is 3 inches greater than average.

Groundwater and surface water levels are normal for this time of year. Accord Pond is at 93.5% capacity, based on the water level recorded in February. It's just a few inches from spilling into Accord Brook.

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



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



Water Supply and Demand – Usage Trends Return to Normal

After the severe cold spell that greeted us in January, temperatures were back to normal in February, and so was water usage. The average amount of water pumped from our sources to meet demands in February was 2.54 million gallons per day (MGD), a 0.44 MGD decrease in usage compared to last month. In January, we reported elevated usage due to the number of main breaks and customer's running their faucets during the cold spell to prevent freezing.

Water Resource Management

We met with the Weir River Watershed Association in February to review and discuss the preliminary results of our Fulling Mill watershed yield evaluation to augment summertime flows in the Weir River. Our consulting engineers have estimated that there is sufficient storage capacity to reduce periods of low stream flow while also enhancing our groundwater withdrawals. We are scheduled to meet with the Department of Environmental Protection the first week in April to complete final details of Phase II of our study. Although this alternative looks promising, it is likely to take several years to complete the evaluation, permitting, and construction of proposed facilities, should this option go forward.

Regarding our existing resources, we have already cleaned two of our groundwater supplies to prepare them for increased summer demands. We are scheduled to finish the cleaning of three more wells in March and April to complete our spring water supply preparations. In addition to routine maintenance on these five wells, we hope to complete capital improvements at our Free Street Well #2 where we are replacing a pump and various other mechanical and electrical equipment to increase the pumping capacity of this supply. In addition, we are scheduled to conduct a full system leak detection survey the first week of April.

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

Our customers are at the center of all our efforts. We're committed to providing our customers with important information about their service, when and how they want to receive it. Whether it's a water main break alert or a rain barrel promotion, we are proactively reaching out to our customers.

The Accord Tank rehabilitation project is a good example of this. Through our Facebook page, we provided factual information about the \$800,000 tank rehabilitation project and shared a community meeting invitation for the project to residents and businesses.

By creating a dynamic and responsive social media presence, we hope to enhance our community's knowledge about our water sources, water quality and delivery, as well as increasing community involvement. If you haven't visited us on Facebook, please go to www.facebook.com/HinghamWaterFacts and like us.

Also this month, we continued to educate K-12 students on the importance of water conservation. We hosted fifth grade students from South Elementary School at the Water Treatment Plant as part of the North and South Rivers Watershed Association's Water All Around You program sponsored by Aquarion.



News and Notes

The Accord Tank rehabilitation project continues to proceed. We are scheduled to take the tank off-line the last week of March and begin the repair and painting process. A neighborhood project meeting was held in February to discuss the project with residents. We also met with critical customers in south Hingham to discuss the impact of the project. Aquarion is in close coordination with the Hingham Fire Department and Norwell Water Department, with whom we have a water system interconnection. This interconnection can be utilized in an emergency.

Construction associated with our water main replacement project on Sherwood Road, Butler Road, and Smith Road is scheduled to begin in March (weather permitting).

With spring just around the corner, we are making preparations to begin flushing the distribution system in late March. Flushing will take place in North Hingham for approximately six weeks. Weekly updates can be found on www.aquarionwater.com under our Alerts and Outages section. We also plan to flush Cohasset and Hull in the fall.

If you have not already had the opportunity to sign up for our customer water conservation program, 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 | 2.54 | 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 | 2.77 | 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 | 71.07 | 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 | 163.42 | 1,200.39 |
| Average (MGD) | 3.32 | 2.99 | 3.33 | 3.47 | 3.42 | 3.18 | 3.16 | 2.77 | 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
February

Year
2018

Monthly Supply Pumping Summary

| | | | |
|----------------------|-------|-----|--------|
| Accord Pond | 9.47 | MG | 13.3% |
| Scotland St Well #1 | 8.75 | MG | 12.3% |
| Scotland St Well #1A | 4.26 | MG | 6.0% |
| Prospect St Well | 6.56 | MG | 9.2% |
| Free St Well #2 | 0.00 | MG | 0.0% |
| Free St Well #2A | 3.93 | MG | 5.5% |
| Free St Well #3 | 0.00 | MG | 0.0% |
| Free St Well #4 | 20.83 | MG | 29.3% |
| Free St Well #5 | 6.74 | MG | 9.5% |
| Fulling Mill Well #1 | 8.13 | MG | 11.4% |
| Fulling Mill Well #2 | 2.41 | MG | 3.4% |
| Fulling Mill Cistern | 0.00 | MG | 0.0% |
| Downing St Well | 0.00 | MG | 0.0% |
| | 71.07 | MG | 100.0% |
| | 2.54 | MGD | |

Accord Pond (last day of the month)

| | |
|----------------------|-------|
| Water Elevation (Ft) | 141.3 |
| Usable Volume (MG) | 253.0 |
| Capacity (%) | 93.5 |

MG - Million Gallons

MGD - Million Gallons Per Day

Statistics

Pumping

| | |
|-------------------|----------|
| Maximum Day (MGD) | 2.92 |
| Date | 02/18/18 |

| | |
|-------------------|----------|
| Minimum Day (MGD) | 2.10 |
| Date | 02/15/18 |

Year to Date

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

| | |
|-------------------|------|
| Average Day (MGD) | 2.77 |
|-------------------|------|

Temperature (°F)

| | |
|---------|----------|
| Maximum | 75.2 |
| Date | 02/20/18 |

| | |
|---------|----------|
| Minimum | 12.2 |
| Date | 02/02/18 |

Precipitation

| | |
|------------------------|-------|
| Monthly Total (Inches) | 4.64 |
| Annual Total (Inches) | 10.89 |