

## **Water Supply Update**

*Serving the Community of Millbury*

### *News and Notes*

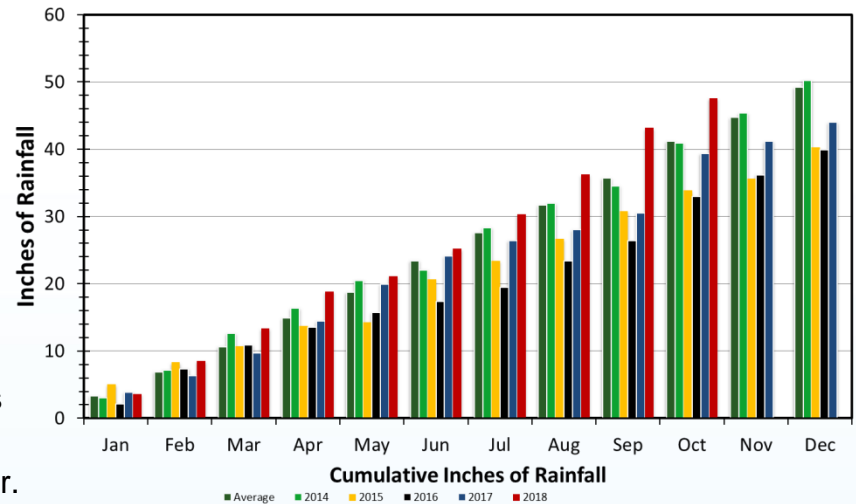
- 💧 Our customer water conservation program continues to be a great success. Since March 2017, we have completed the replacement of over 647 toilets, 931 shower heads, and 94 faucet aerators for over 260 of our Millbury customers. In addition, we have provided rebates to 8 customers for the replacement of old top load clothes washers with high efficiency front end load washing machines. The work completed has resulted in water conservation savings of approximately 16,300 gallons per day (approximately 5.98 million gallons per year)! There are currently approximately 100 customers in the queue to have water conservation work completed at their homes. 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](http://www.aquarionwater.com/conservationoffers).
- 💧 Our annual fall hydrant maintenance program was completed in November. Each one of our fire hydrants is operated and maintained twice a year to ensure that they are ready for action when they are called upon by the Fire Department. Aquarion works very closely with the Millbury Fire Department, and 3 of Aquarion's staff are volunteers with the Millbury Fire Department. A letter was sent to the Fire Department to remind them to notify our office if any fire hydrants are used in the winter months so that we can inspect them afterwards.
- 💧 From a community outreach perspective, we made donations and contributions to the following community causes and events: Millbury Fire Department, Millbury Senior Center, Millbury Little League Golf Tournament (Foursome), Millbury Chain of Lights, Town of Millbury Adopt-A-Banner, and sponsored a tee for the Assumption School Golf Tournament.
- 💧 On the 9<sup>th</sup> of October our Director of Operations (Steve Olson) and Manager of Operations (Francis King) met with the Board of Selectmen to give them an update of our water supply system, capital improvement plans, and operational programs.



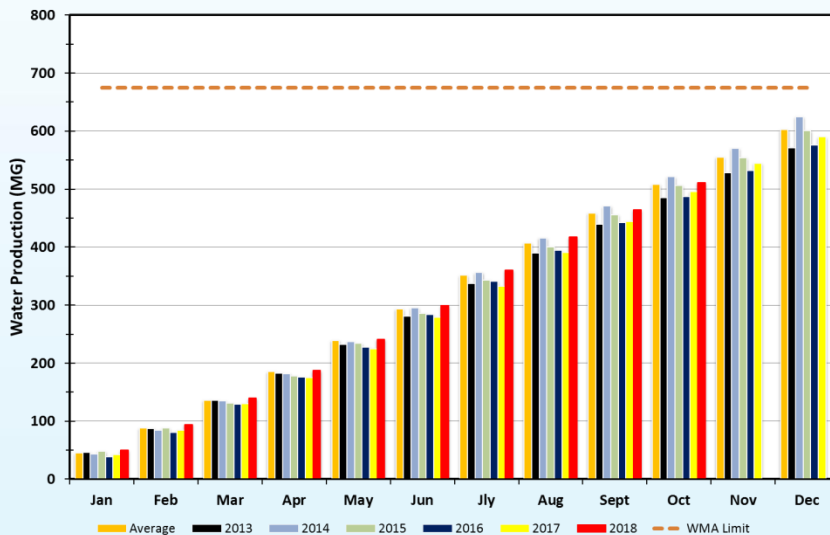
### Weather Trends

Precipitation for October was 4.45 inches, which is 1.05 inches below the historic average precipitation for the month of September. However, cumulative precipitation for the year through the month of October is 47.62 inches, which is 6.43 inches above average and 3.61 inches greater than the total annual precipitation recorded for last year. It has been a “wet” year and this precipitation has allowed our aquifer to remain at above normal groundwater levels for this time year.

**Aquarion Water Company, MA  
 Cumulative Monthly Rainfall  
 Millbury/Oxford**



**Aquarion Water Company  
 Cumulative Monthly System Delivery (MG)  
 Millbury Water System (Includes Purchased Water)**



### Water Supply and Demand

Water demands for October were normal for this time of year. The average amount of water delivered to our system to meet demands in October 2018 was 1.50 million gallons per day (MGD). The cumulative annual usage for the year through October (1.68 MGD) is slightly greater than average, predominantly due to the number of main breaks from this past winter/spring. We anticipate that water demands will continue to decrease as we proceed into winter. We are confident that we will be able to meet

our customer’s needs. Some statistical pumping information for the month of October 2018 is attached separately to this Water Supply Update.

We will be conducting another leak detection survey next spring, 2019. Customers are reminded to practice water conservation. For helpful water conservation tips, please visit our website:

<http://www.aquarionwater.com/MA/waterconservation>

**Aquarion Water Company, MA**  
**Monthly Water Supply Report**  
**Millbury**

**Month**  
**October**

**Year**  
**2018**

**Monthly Supply Pumping Summary**

|                       |       |     |        |
|-----------------------|-------|-----|--------|
| Millbury Ave Well     | 22.06 | MG  | 47.4%  |
| Oak Pond Well         | 0.81  | MG  | 1.7%   |
| Jacques Well #1       | 23.64 | MG  | 50.8%  |
| Jacques Well #2       | 0.01  | MG  | 0.0%   |
| Worcester (Purchased) | 0.00  | MG  | 0.0%   |
|                       | 46.52 | MG  | 100.0% |
|                       | 1.50  | MGD |        |

**Precipitation**

|                        |       |
|------------------------|-------|
| Monthly Total (Inches) | 4.45  |
| Annual Total (Inches)  | 47.62 |

**Statistics**

**Pumping**

|                   |          |
|-------------------|----------|
| Maximum Day (MGD) | 1.94     |
| Date              | 10/03/18 |

|                   |          |
|-------------------|----------|
| Minimum Day (MGD) | 0.86     |
| Date              | 10/12/18 |

**Year to Date**

|                   |          |
|-------------------|----------|
| Maximum Day (MGD) | 2.62     |
| Date              | 06/17/18 |

|                   |      |
|-------------------|------|
| Average Day (MGD) | 1.68 |
|-------------------|------|