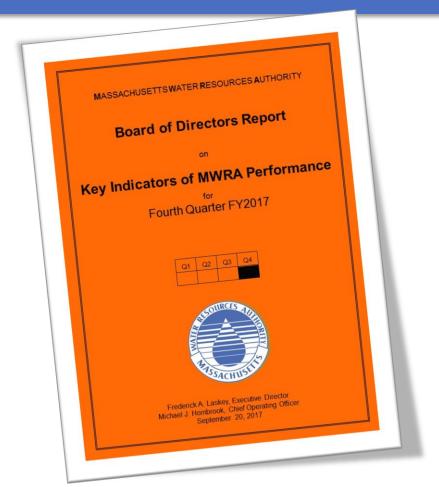


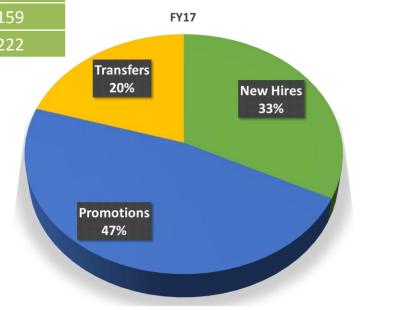
Massachusetts Water Resources Authority





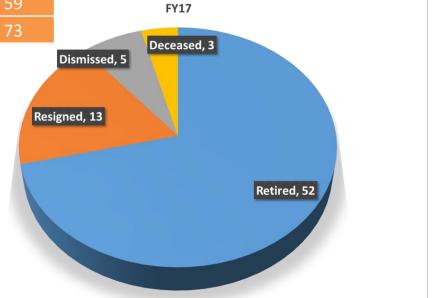
Summary of Hiring Processes

	New Hires	Promotions	Transfers	Total
FY12	26	19	22	67
FY13	47	58	24	129
FY14	57	73	38	168
FY15	65	85	48	198
FY16	60	65	34	159
FY17	72	105	45	222





	Retired	Resigned	Dismissed	Deceased	Total
FY12	23	15	3	2	43
FY13	43	6	1	1	51
FY14	41	15	3	3	62
FY15	40	11	8	8	67
FY16	37	16	2	4	59
FY17	52	13	5	3	73





Keeping Up With The Turnover

Over the past four years, the MWRA has hired and trained critical entry level employees:

- 40 OMC Laborers were hired
 - 15 were subsequently promoted
- 23 Buildings & Grounds Workers were hired
 - 8 were subsequently promoted (4 additional anticipated this month)
- 18 Senior Lab Technicians were hired
 - 12 were subsequently promoted
- **10** Staff Engineers were hired
 - 3 were subsequently promoted



Training to Address Turnover

The MWRA has developed and provided training aimed at promoting employees:

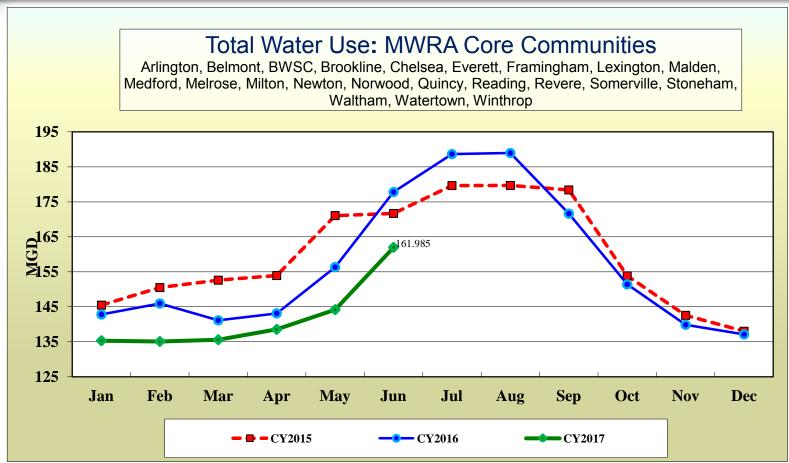
- 21 employees participated in the Operator shadow program
 - 14 were subsequently promoted to an operator vacancy
- 12 employees participated in the M&O Specialist shadow program
 - 8 have been promoted to M&O Specialist vacancy
- 20 employees participated in the IMI Mechanical Certification program to ready them for promotion
 - 10 have been promoted
- 30 employees participated in the preparatory training to obtain a CDL License
 - 28 employees have obtained their licenses



Critical Operations License Training

- 109 employees participated in the wastewater collections systems preparatory programs
- 120 employees participated in the basic or intermediate wastewater operator license preparatory programs
- 52 employees participated in the advance wastewater operator license preparatory programs

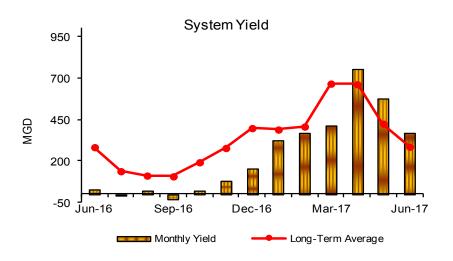
Water Use

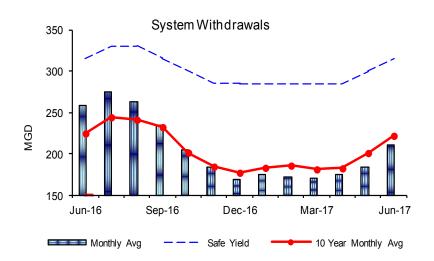




Water System Withdrawals

• Yield and precipitation for the quarter were above the quarterly long-term averages. System withdrawal for the quarter was below the 10-year monthly average.

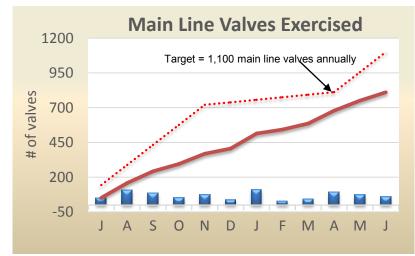


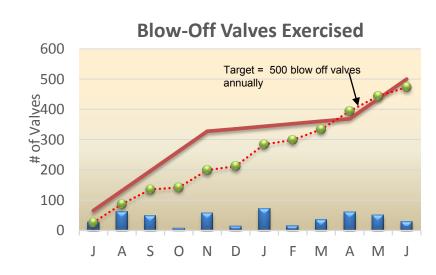




Water Distribution System Valves

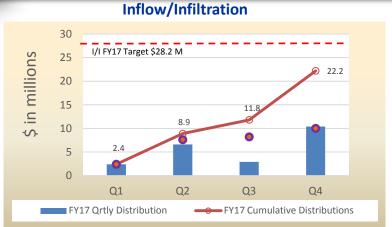
		Operable Percentage		
Type of Valve	Inventory #	FY17 to Date	FY17 Targets	
Main Line Valves	2,159	95.7%	95%	
Blow-Off Valves	1,317	97.4%	95%	
Air Release Valves	1,380	94.6%	95%	
Control Valves	49	100.0%	95%	

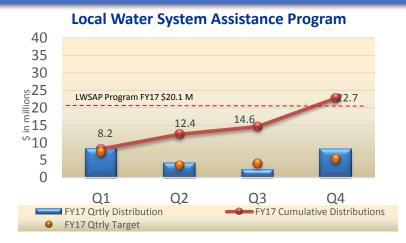


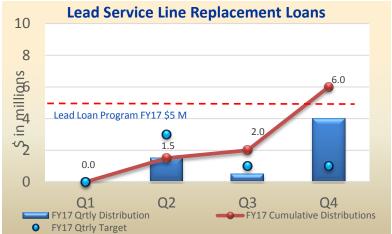




Community Support Programs









Massachusetts Water Resources Authority

Wachusett Aqueduct Pumping Station BHD/BEC JV 15, A Joint Venture Contract 7157, Change Order 21

September 20, 2017



Construction Update:Front Entrance Modifications





Construction Update: Front Entrance







Construction Update: Pump Station







Construction Update: Pump Station







Construction Update: Pump Station

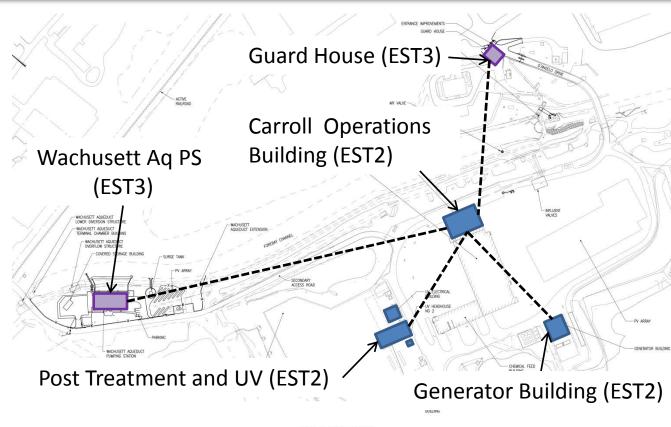




Change Order 21: Carroll Fire Alarm System Upgrade

Carroll
 Operations
 monitors all Fire
 Alarm Systems

 Systems must be compatible





Change Order 21: Carroll Fire Alarm System Upgrade

- Existing Edwards EST2 discontinued
- Support and parts availability ends on 9/30/2017
- EST 2 does not communicate with EST 3

Replacement is required to integrate CWTP Campus



Change Order 21: Carroll Fire Alarm System Upgrade

- Change Order Amount \$285,385
- Work on this contract is 62% complete





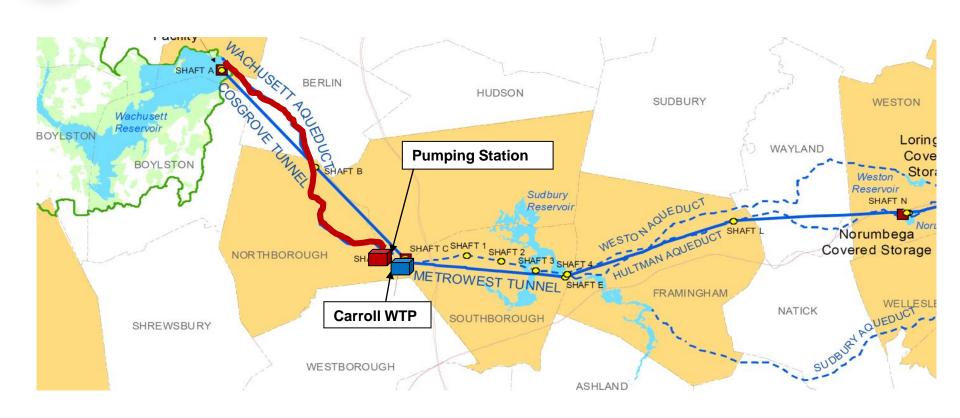
Massachusetts Water Resources Authority

Wachusett Aqueduct Pumping Station Design, Construction Administration and Resident Inspection Services Contract 7156, Amendment 4

September 20, 2017



Wachusett Aqueduct Pumping Station Location Plan



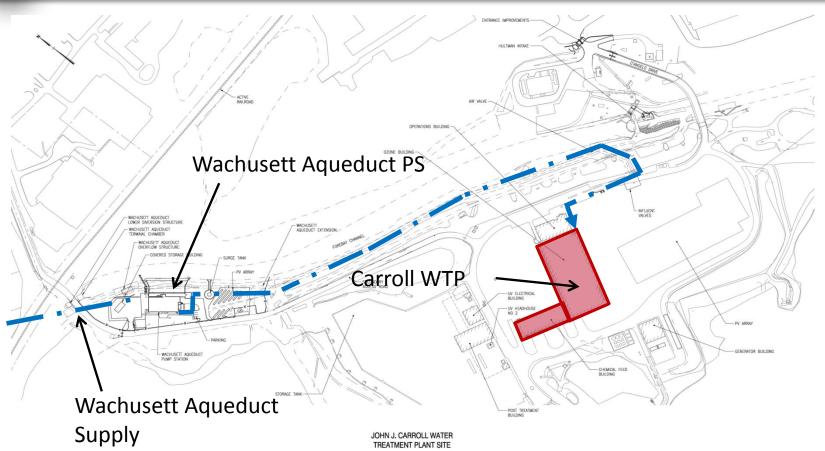


Wachusett Aqueduct Pumping Station





Wachusett Aqueduct Pumping Station Site Plan





Amendment 4: Engineering Work Summary

Additional Shop Drawings	\$289,257
Additional Change Order Assistance	\$115,507
Geotechnical Investigation and Surge Tank Foundation Design	\$79,826
Correction of Computational Error	\$50,576
Design of Power Fluctuation Ride-Through	\$34,028
Services for the Fire Alarm System	\$32,064
Seven Other Items	\$110,359
Tota	l \$711,617



Wachusett Aqueduct Pumping Station: Surge Tank Construction

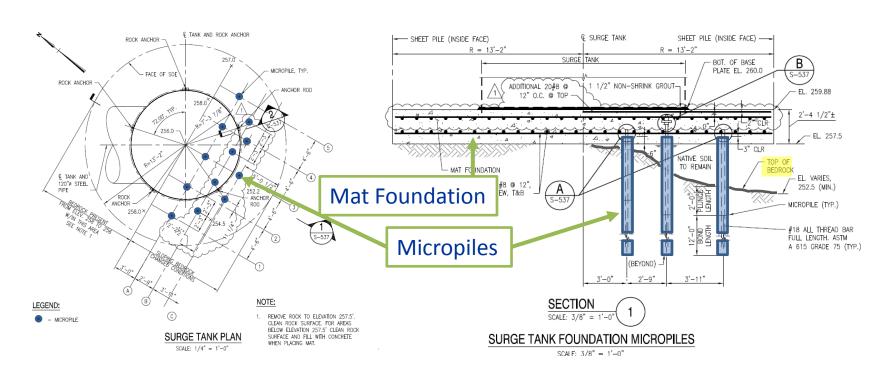






Amendment 4 Work

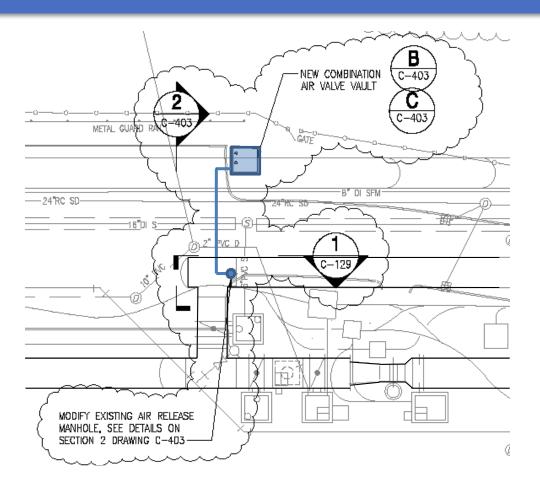
Additional geotechnical investigation and surge tank foundation design





Amendment 4 Work

 Redesign of air/vacuum valves





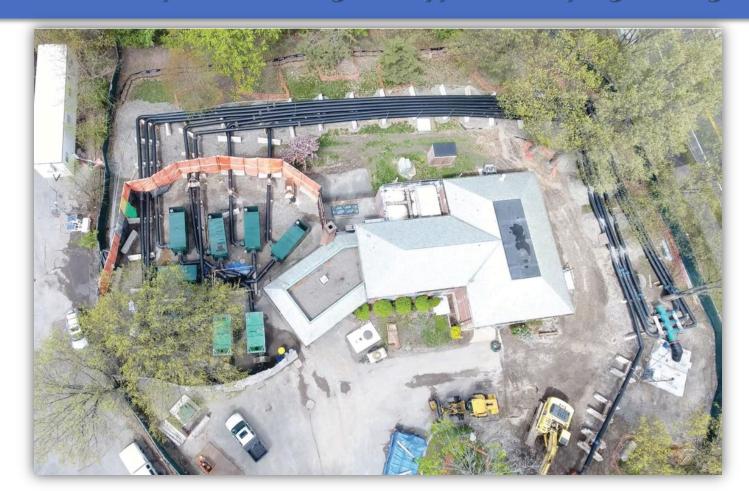
Massachusetts Water Resources Authority

Alewife Brook Pump Station Rehabilitation Barletta Engineering Corporation Contract 6797, Change Order 2

September 20, 2017

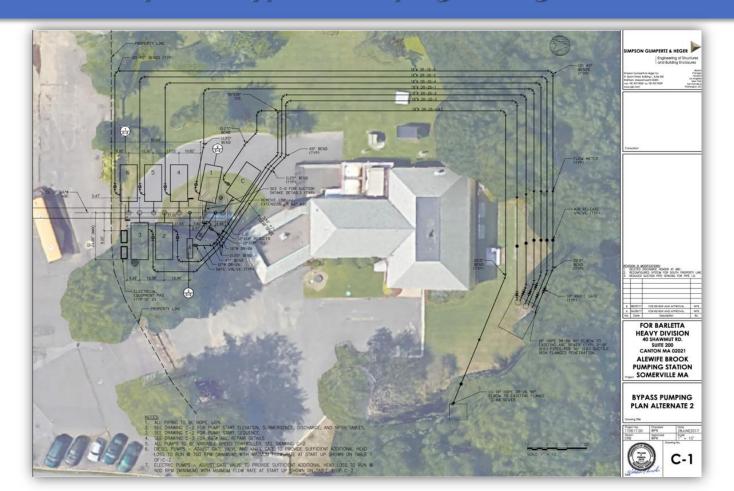


Alewife Pump Station Original Bypass Pumping Arrangement





Barletta Proposed Bypass Pumping Arrangement





CONGRATULATIONS!

CHAIRMAN'S AWARD * CHAIRMAN'S AWARD * CHAIRMAN'S AWARD



Henry Vitale

Executive Director, Boston Water and Sewer Commission (BWSC)



Occasionally the Shattuck Awards Committee selects a public official at the department head level for prudent management and inspired leadership. The recipient of the Shattuck Chairman's Award for 2017 is Henry Vitale, Executive Director of the Boston Water and Sewer Commission (BWSC).

Henry Vitale takes pride in those who serve New England's oldest and largest water, sewer and storm water systems. He makes certain each employee feels appreciated, and is well trained for the complex duties of providing water and sewer services to more than one million people per day.

The Water and Sewer Commission's services are crucial to the growth and safety of the City. In recognition of this, Henry implemented programs that assure citizens easy access for reporting difficulties, asking questions or learning more about the Commission's services. He also regularly attends community meetings to bring transparency and understanding to BWSC operations.

Another example of Henry's commitment to citizens is the implementation of the water trailer. The trailer, a tool for educating residents on water conservation and pollution prevention, also supplies the community with clean, free water at city events. Since his 2014 arrival at the Water and Sewer Commission, Henry has been a respected leader who stands with his team during times of crisis and works for their benefit and safety. Many view Henry's unending efforts to create unity and support among the five departments of BWSC as the major contributor to the Commission's increased excellence.

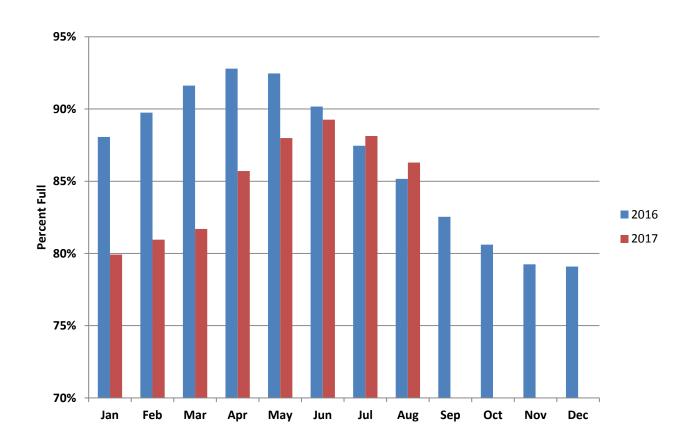
Henry's initiation of the All-Star program, through which employees nominate and vote on the Star of the Month, builds morale and promotes appreciation of fellow workers. The annual Christmas party he hosts is another unity builder, and his reaching out to staff who have lost a loved one demonstrates his deep concern for BWSC employees.

One measure of Henry's influence is that the BWSC with its large customer base receives little, if any, negative press regarding difficulties with water and sewer services. Under Henry's leadership, BWSC has become a distinguished and deeply appreciated organization that has received awards for consistent performance of excellence. The Massachusetts Department of Environmental Protection acknowledged the Commission with its Regional Recognition for Outstanding Performance and Achievement and for consistency in delivering safe drinking water. The American Water Work Association listed the Commission in its "Best of the Best" Tap Water category.

Thank you, Henry Vitale for your outstanding commitment to Boston, and congratulations on receiving the 2017 Shattuck Chairman's Award.



Quabbin End of Month Storage





Quabbin Reservoir Daily Storage

