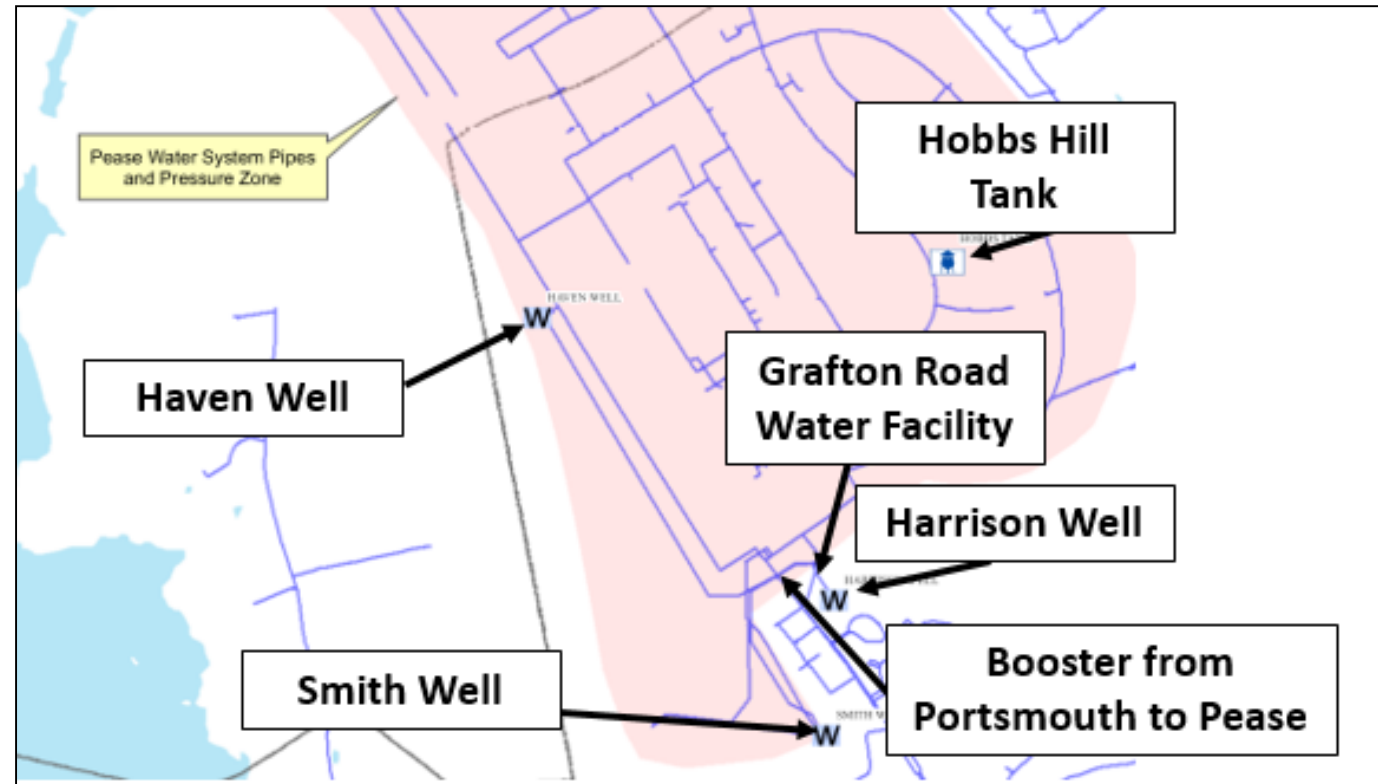


Pease Tradeport Water Treatment System Update

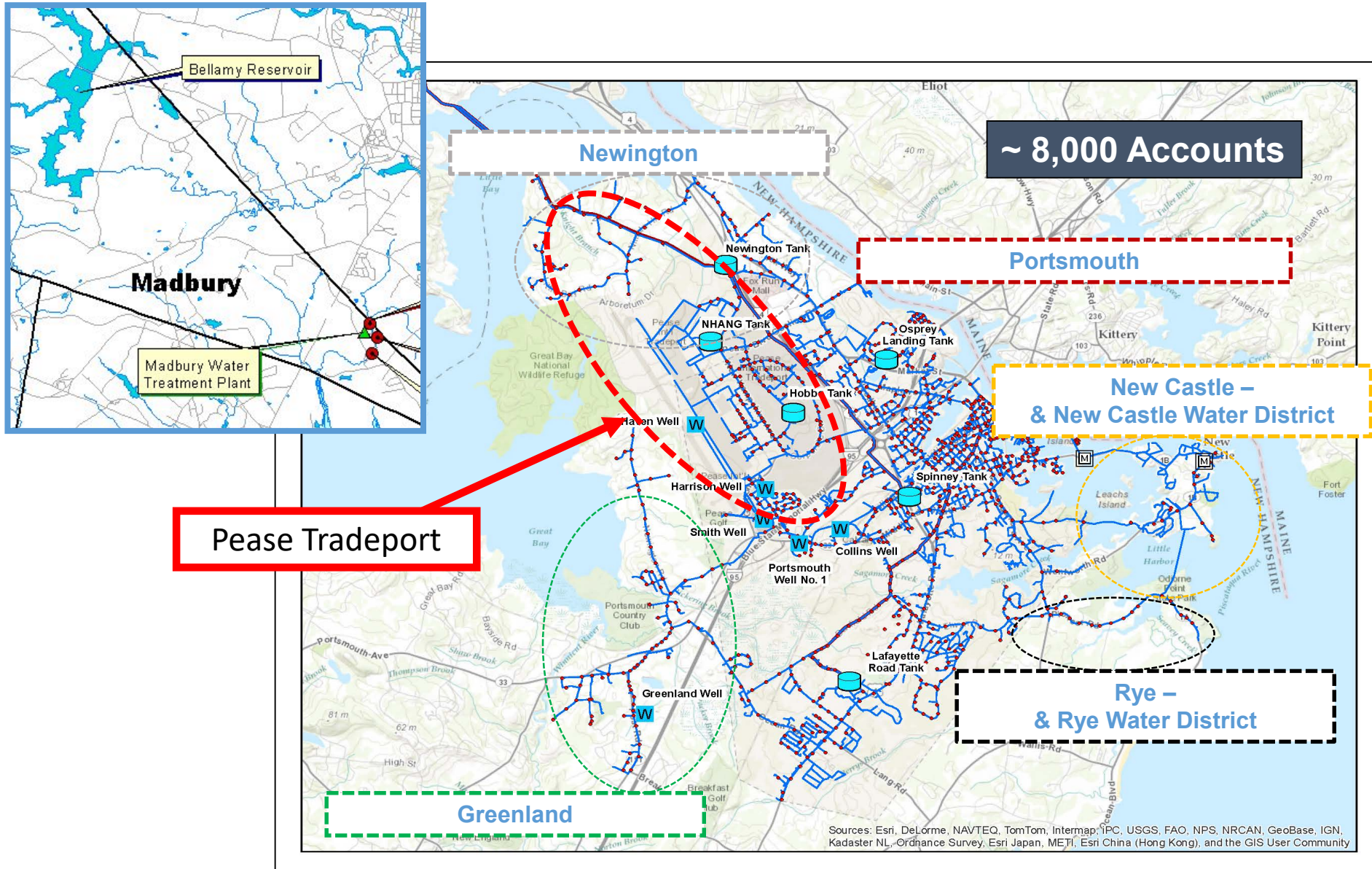


Pease Restoration Advisory Board
September 18, 2019

Current Pease Tradeport Grafton Road Water Facility




Portsmouth Regional and Pease International Tradeport Water Systems



Water System Interconnection Information:

- Portsmouth to Pease
- Pease to Portsmouth

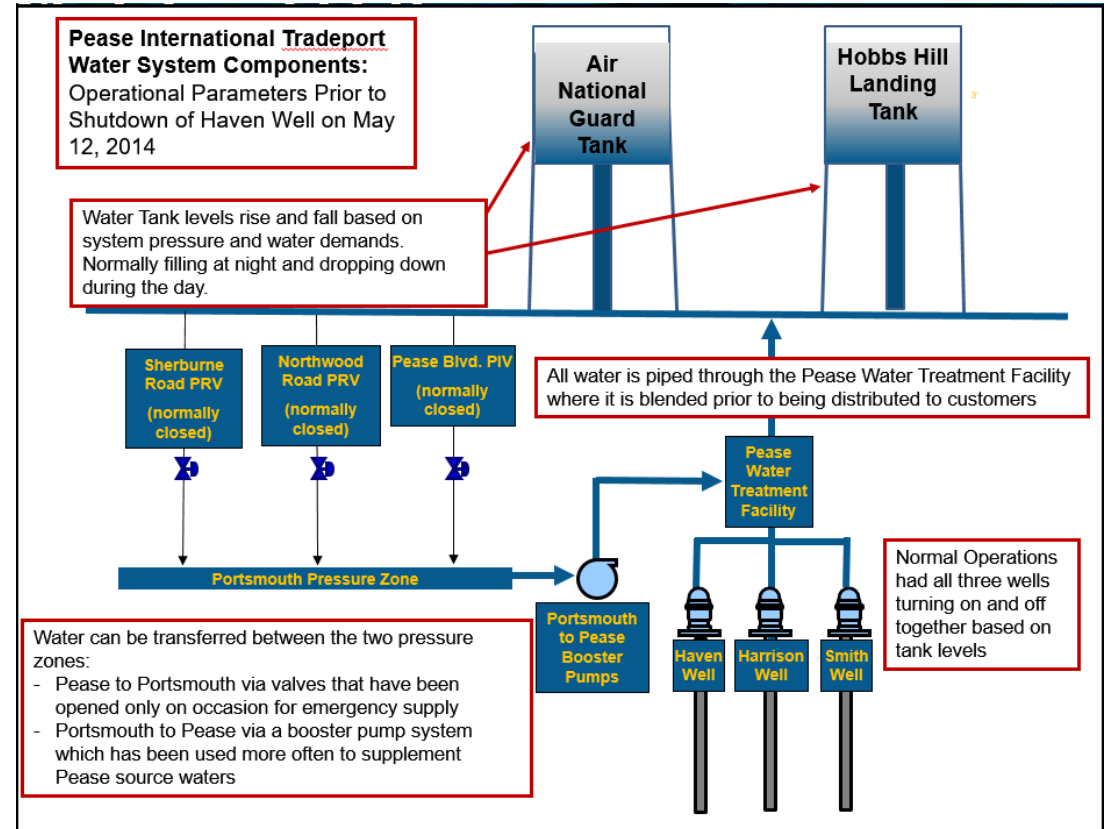
City of Portsmouth



Portsmouth and Pease International Tradeport Water Systems

May 2014

City of Portsmouth
Water Division
Department of Public Works
680 Peverly Hill Road
Portsmouth, NH 03801
603-427-1530
www.cityofportsmouth.com



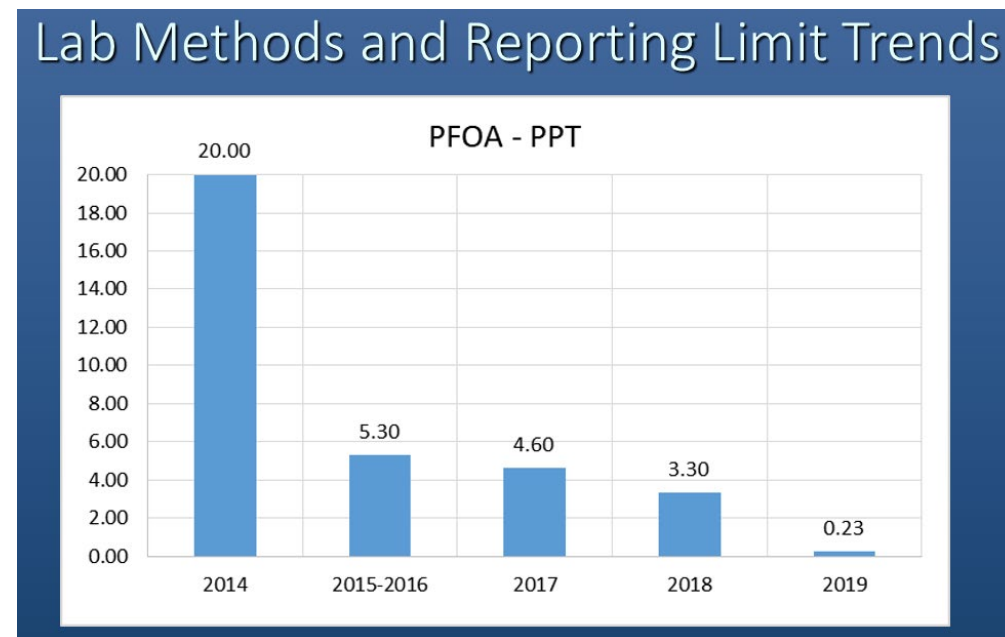
Filter Demonstration Project Status



- Activated carbon in both of the demonstration filters was changed out in March 2019.
- Plan on replacing carbon one more time in November 2019 prior to installation of permanent carbon filters in 2020
- Updates and data posted on City Website

Non Target Analysis

- Continue to work with Testing for Pease team (Colorado School of Mines and Northeastern University) with sample collection
- Concurrent sampling by City for analysis by Maxxam laboratories using lowest detection limits available (2 ppt reportable per new NHDES regulations).



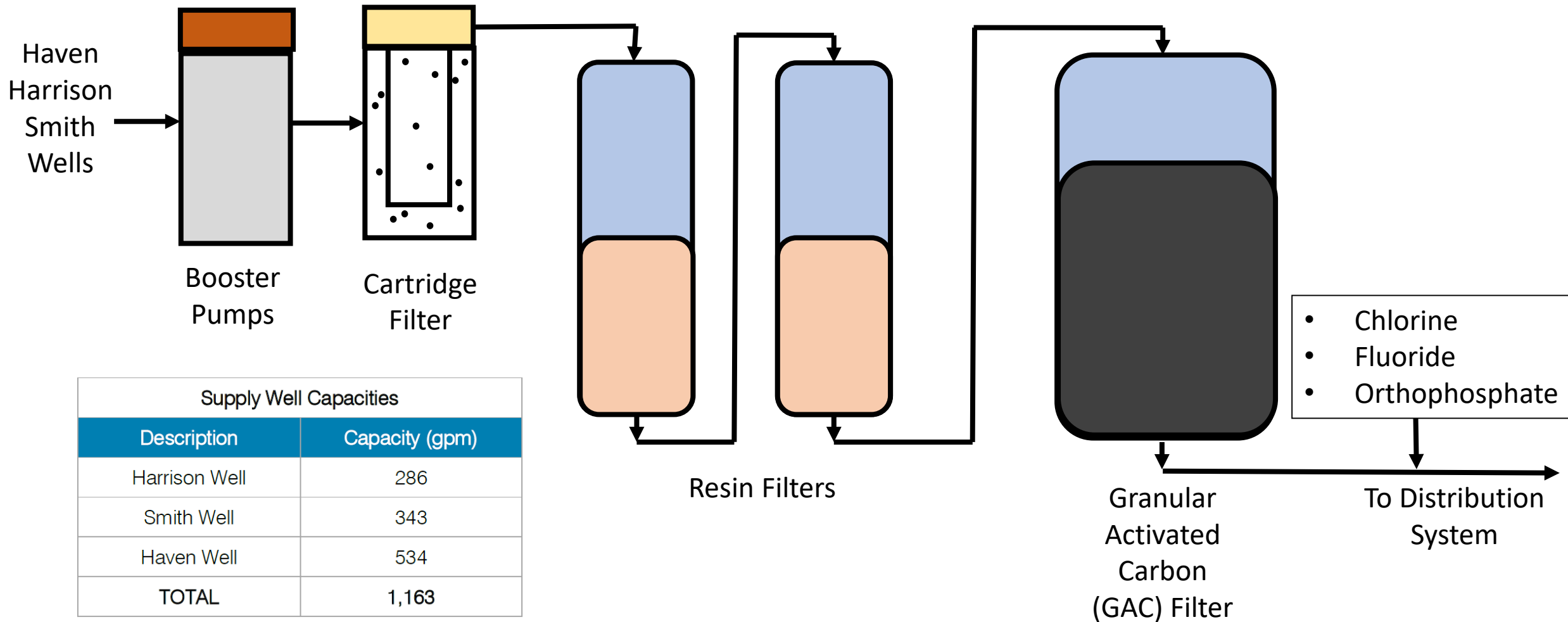
Treatment System Performance: - GAC and Resin

- Haven Well Treatment Pilot Testing Report
 - Posted on City Website
 - <http://files.cityofportsmouth.com/files/dpw/HavenWellPilotReportF.pdf>



Grafton Road Water Facility Process Schematic

Final Treatment System Components



Description	Capacity (gpm)
Harrison Well	286
Smith Well	343
Haven Well	534
TOTAL	1,163

Grafton Road Water Treatment Facility Construction



Activity	Duration	Start	Finish	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	
Bidding	61	11/15/2018	1/15/2019	█																															
Contract Award	56	1/15/2019	3/12/2019			█																													
Notice to Proceed	0	3/12/2019	3/12/2019					★																											
Submittals	181	3/13/2019	9/10/2019					█	█	█	█	█	█	█																					
Equipment Procurement	224	6/4/2019	1/14/2020																																
Phase 1 - Building Addition & GAC Filters	379	6/10/2019	6/23/2020																																
GAC Filters On-Line with Smith & Harrison	27	5/27/2020	6/23/2020																																
Phase 2 - Resin Skid, Cartridge Filters, Booster Pumps	279	5/29/2020	3/4/2021																																
Full System Start-Up with Smith & Harrison	48	1/15/2021	3/4/2021																																
Phase 3 - Admin Area, Site Work, Haven Well Online	200	10/15/2020	5/3/2021																																
Full System Start-Up with Haven	42	3/4/2021	4/15/2021																																
Final Completion	4	4/29/2021	5/3/2021																																★



Thank You



Brian Goetz – Deputy Director of Public Works
Al Pratt, P.E. – Water Supply Operations Manager
City of Portsmouth, New Hampshire