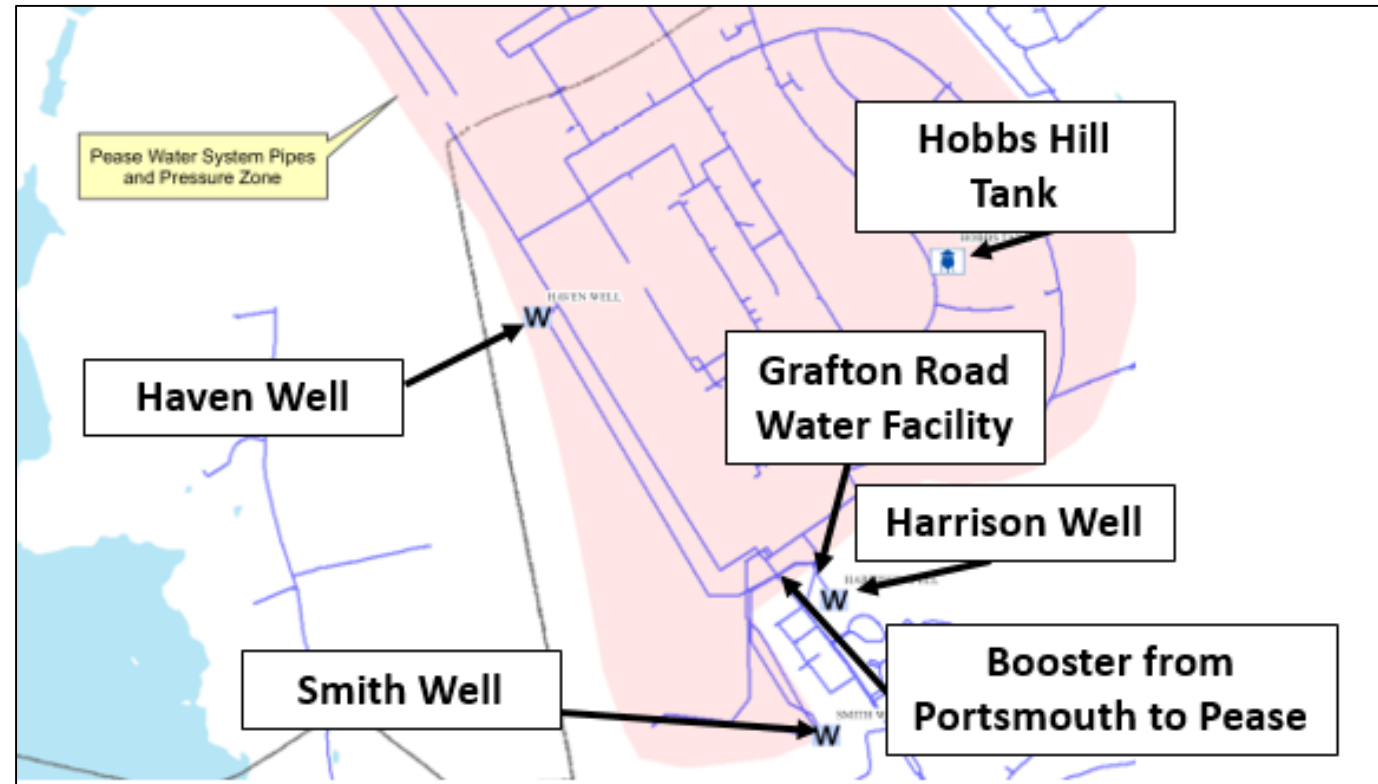


# Pease Tradeport Water Treatment System Update



Pease Restoration Advisory Board  
March 7, 2019

# Current Pease Tradeport Grafton Road Water Facility



# Filter Demonstration Project



- Activated carbon in both of the demonstration filters was changed out in November 2018
- Will continue to filter water from Harrison and Smith Wells
- Will also continue to sample and monitor filter performance throughout construction

# Non Target Analysis

- Testing for Pease proposed study to City Council at October 1, 2018 meeting
- Began collecting samples after Council agreed to participate

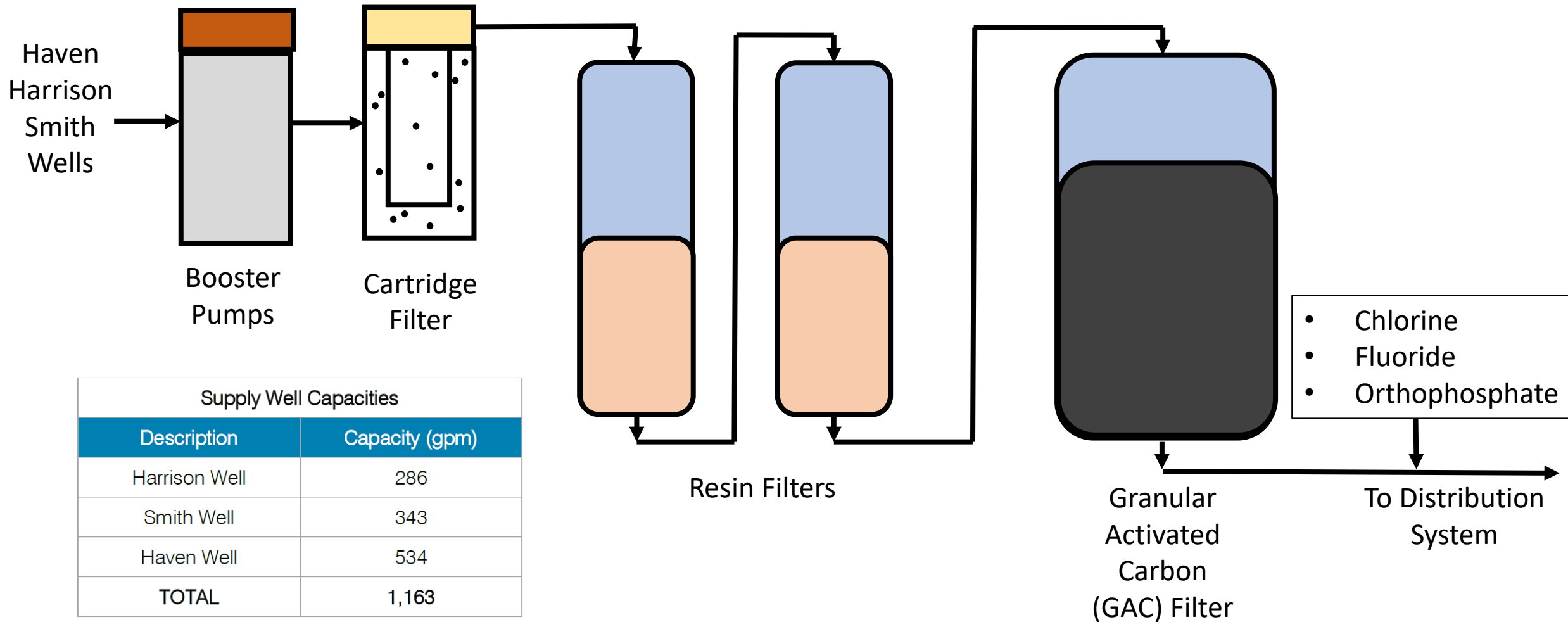
# Current Rendering – Grafton Road Water Treatment Facility



- Five bids received in January 2019
- Kinsmen Corporation of Hookset, NH was low bidder and awarded project

# Grafton Road Water Facility Process Schematic

## Current Treatment System Design



Supply Well Capacities	
Description	Capacity (gpm)
Harrison Well	286
Smith Well	343
Haven Well	534
<b>TOTAL</b>	<b>1,163</b>



# Anticipated Construction Schedule

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																																█	█

## Milestones:

- Spring 2019 – Begin Construction
- June 2020 – New GAC Filters (switchover of Harrison/Smith Wells)
- Spring 2021 – Startup with Resin/GAC filters (Harrison/Smith Wells)
- Summer 2021 – Haven Well Startup

# Future Water Quality Monitoring of Haven Well and Pease Tradeport Aquifer

- Meeting in January 2019 with Air Force and regulators about developing a comprehensive water quality monitoring programs for:
  - Required Compliance Monitoring
  - Filter Performance Monitoring
  - Aquifer Monitoring



# Thank You



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