



Massachusetts Water Resources Authority

Presentation to



MWRA UPDATE

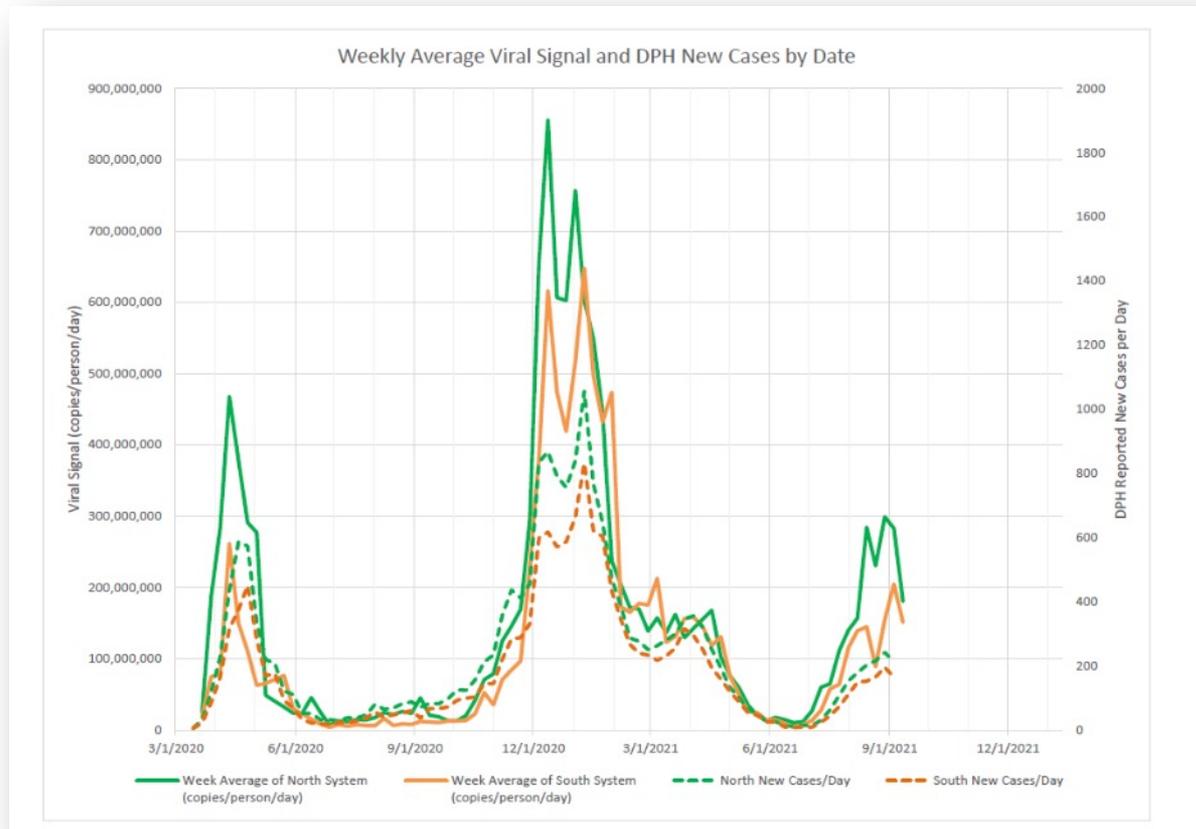
Frederick A. Laskey
Executive Director

September 16, 2021



COVID Update

- Office staff have returned to work - most on a hybrid basis, teleworking half time
- In discussions with Unions about mandatory vaccinations
- Wastewater COVID numbers seem to be trending downward





Impact of 2020 Census on FY2023 Sewer Assessments

- Approximately 50% of MWRA’s Sewer Assessment is based on each community’s share of Total and Sewered Population
- Total population share’s for FY2023 sewer assessments will be based on the 2020 Census
- Fifteen MWRA communities will have assessment impacts of more than +/- 1.5% in FY2023 due to population changes

COMMUNITY	July 2019 Census Bureau Population Estimate	System Share	2020 Census Population	System Share	Change		Projected Impact of 2020 Census on FY2023 Sewer Assessment	
					Population	System Share		
Revere	53,073	2.25%	62,186	2.60%	17.17%	15.70%	\$883,346	7.98%
Malden	60,470	2.56%	66,263	2.77%	9.58%	8.20%	\$525,892	3.81%
Quincy	94,470	4.00%	101,636	4.25%	7.59%	6.23%	\$625,805	2.91%
Ashland	17,807	0.75%	18,832	0.79%	5.76%	4.43%	\$74,445	2.70%
Brookline	59,121	2.50%	63,191	2.64%	6.88%	5.54%	\$347,157	2.54%
Everett	46,451	1.97%	49,075	2.05%	5.65%	4.32%	\$213,346	2.22%
Melrose	28,016	1.19%	29,817	1.25%	6.43%	5.09%	\$151,492	2.21%
Norwood	29,725	1.26%	31,611	1.32%	6.34%	5.01%	\$157,782	1.86%
Walpole	25,200	1.07%	26,383	1.10%	4.69%	3.38%	\$78,567	1.84%
Belmont	26,116	1.11%	27,295	1.14%	4.51%	3.20%	\$88,191	1.61%
Watertown	35,939	1.52%	35,329	1.48%	-1.70%	-2.93%	-\$111,897	-1.64%
Boston (BWSC)	692,600	29.33%	675,647	28.25%	-2.45%	-3.67%	-\$2,698,899	-1.81%
Stoneham	24,126	1.02%	23,244	0.97%	-3.66%	-4.87%	-\$124,052	-2.22%
Framingham	74,416	3.15%	72,362	3.03%	-2.76%	-3.98%	-\$308,638	-2.24%
Burlington	28,627	1.21%	26,377	1.10%	-7.86%	-9.02%	-\$271,410	-4.40%



CSO Program

- Assessment is ongoing and negotiations with regulators have begun
- Governor Baker is planning to use \$400 million in ARPA funds for water and sewer projects, including CSOs





Construction Projects

- Chelsea Headworks Rehab - finishing up
- Prison Point CSO Facility Improvements
- Northern Intermediate High - Section 89
- Deer Island Clarifiers



First Parcel of Land for Tunnel Program

- The first parcel of land had been acquired for a shaft site in Waltham





PFAS in MWRA Drinking Water

- **2019:** MWRA voluntarily sampled the Quabbin and Wachusett Reservoirs for PFAS and found only trace amounts of some compounds
- **2020 - 2021:** MassDEP promulgated a new PFAS maximum contaminant level for 6 PFAS compounds with a combined limit of 20 parts per trillion. MWRA began testing both of its drinking water sources in January 2021 and reported zero parts per trillion PFAS6 to MassDEP



**MWRA: Current Information about PFAS Testing (April 2021)
Test Results**

PFAS Analyte	Metro Boston Result	CVA Result
PFAS6 (regulated)		
PFHxS	Not detected	Not detected
PFHpA	Trace*	Not detected
PFOA	Trace*	Not detected
PFOS	Trace*	Trace*
PFNA	Not detected	Not detected
PFDA	Not detected	Not detected
Sum of PFAS6 - compare to MassDEP MCL of 20 ng/l	0 ng/l	Not detected
Unregulated PFAS		0 ng/l
PFBS		
PFHxA	Trace*	Not detected
NEtFOSAA	Trace*	Not detected
NMeFOSAA	Not detected	Not detected
PFDoA	Not detected	Not detected
PFTeDA	Not detected	Not detected
PFTrDA	Not detected	Not detected
PFUnA	Not detected	Not detected
11Cl-PF3OUdS	Not detected	Not detected
9Cl-PF3ONS	Not detected	Not detected
Adona	Not detected	Not detected
HFPO-DA	Not detected	Not detected

* trace amounts are present, but they are below the minimum concentration that can be reported as a quantified value.
MCL = Maximum Contaminant Level, highest level allowed



Wastewater Sampling for PFAS

- **Currently Required:** For continued approval to land apply biosolids in Massachusetts, quarterly PFAS biosolids sampling and annual PFAS sampling in Maine
- **Upcoming Requirements:** EPA and MassDEP are adding PFAS sampling requirements to NPDES permits for quarterly influent, effluent and biosolids sampling and annual Significant Industrial User sampling.



MWRA staff collecting PFAS samples at a local limits location



New lab equipment for analyzing PFAS in both drinking water and wastewater



Space Planning

- Planning is ongoing to vacate the Charlestown Navy Yard headquarters by May 2023 when the current lease expires
- Staff will relocate to either Deer Island or Chelsea
 - Departments have identified their space needs
 - An agency-wide decluttering and scanning effort is underway
- Leaving the Charlestown Navy Yard will provide \$2.1 million in annual savings for rent, parking and other services



Deer Island Admin/Warehouse



Chelsea Facility



Retirements

- During FY21, 58 employees retired
- Since July 1, another 38 have retired with more on the way

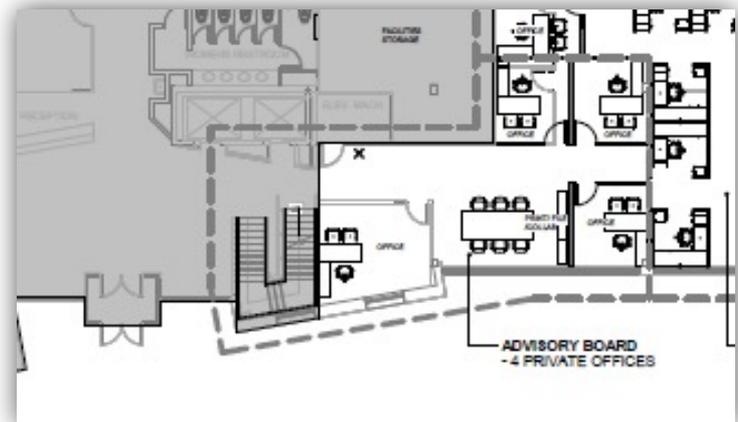


Space Planning

- Planning has begun for the procurement of construction services and workstations, etc.
- The Deer Island Historic Pump Station will serve as the agency's headquarters, housing the Executive Office and Board Room
- The MWRA Advisory Board will have new offices at the Chelsea Facility with its own entrance



Deer Island Historic Pump Station





MWRA Water Named “Best of the Best” Again!

- In July, the American Waterworks Association held it’s annul taste test with waters from around the country
- MWRA water was named “Best of the Best”

