

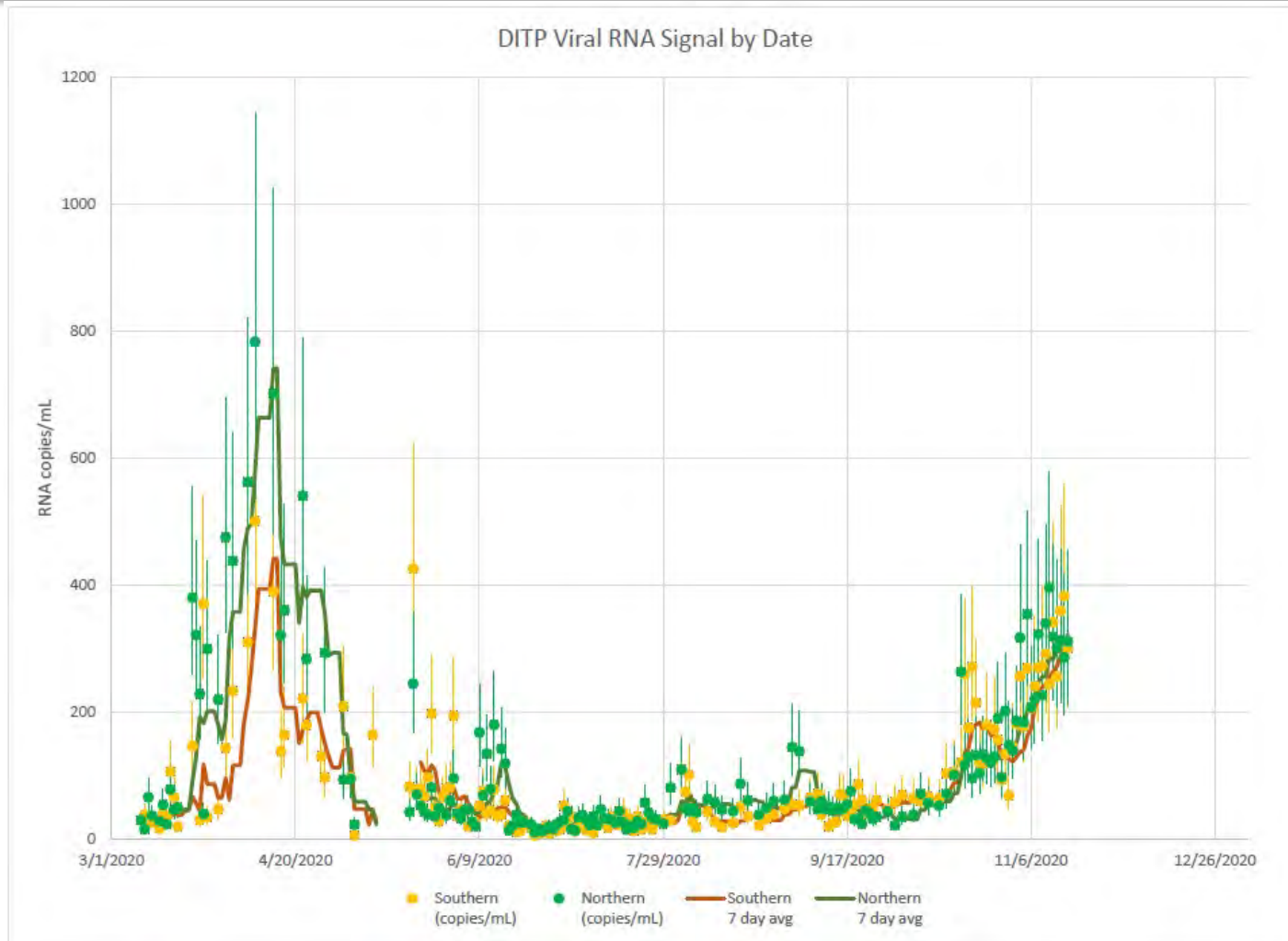


COVID Update

November 18, 2020



Current Data from MWRA.com





*Section 19 Water Main Break
Lee Street, Brookline
November 12, 2020*

November 18, 2020



Lee Street and the Brookline Reservoir









Site Damage





Site Damage





Tee on 48-inch Water Main Ruptured





Cutting Pipe





Damaged Pipe Removed



New Pipe Installed





Thursday 11/12



Tuesday 11/17





Temporary Pathway





*Power Purchase Agreement and Site License for
a Solar Photovoltaic System and Battery Storage
at Deer Island Treatment Plant*

November 18, 2020



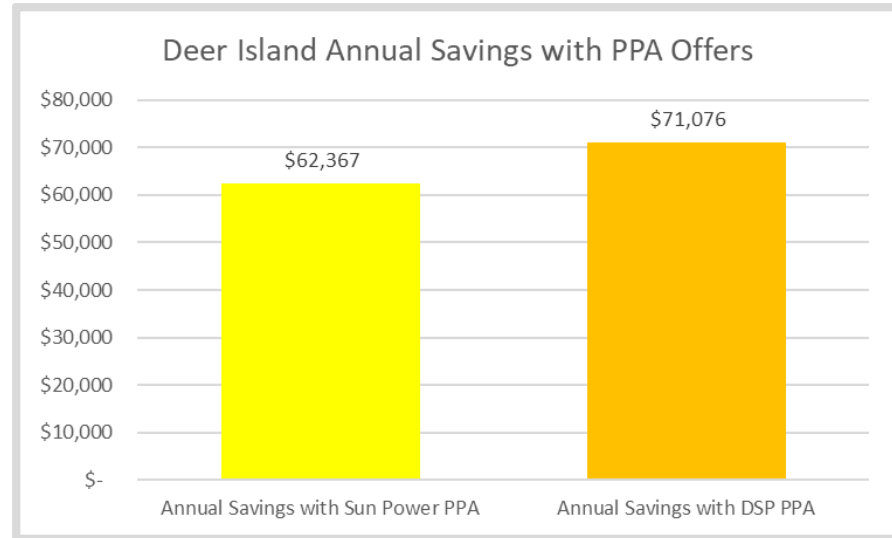
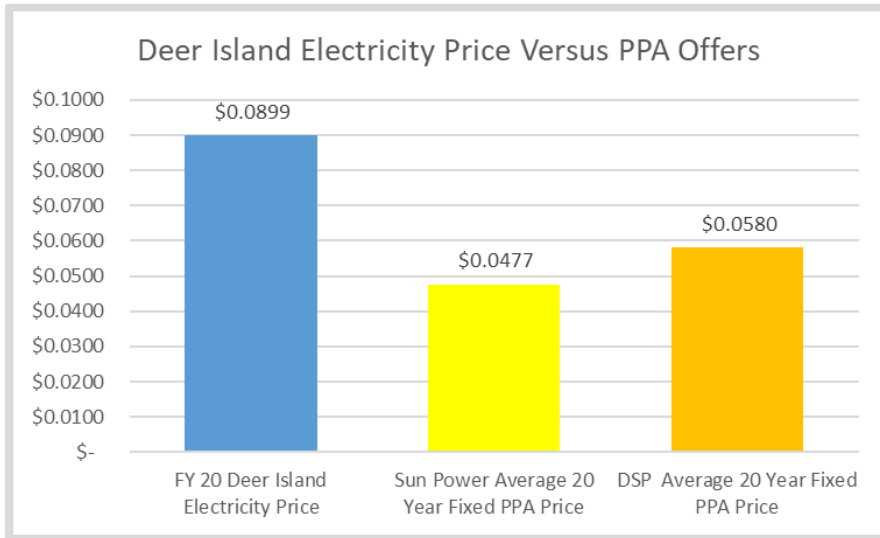
Solar Canopy/Battery Storage at Deer Island

- Two proposals received:
 - Distributed Solar Projects, LLC
 - Sun Power Corporation, Systems
- 20-year fixed price power purchase agreement
 - Price (\$/kWh)
 - Annual Savings (\$/year)
 - Technical Issues
 - Capital Finance Structure
 - References





DSP Offers Higher Price ... But Yields Higher Savings



- Larger canopy generates more electricity



Preview: DSP Solar Canopy





*Pipe Relocation at the Pelletizing Plant:
Contract 7173, Change Order 2*

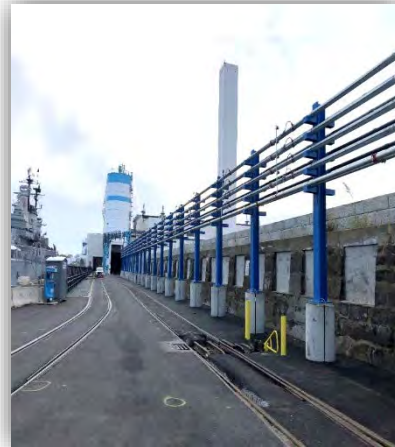
November 18, 2020



Change Order 2

Amount: \$227,168.63 for 4 items

- \$114,000 - Increase hazardous materials disposal
- \$50,554.02 – Removal of existing concrete slab and building 11 retaining blocks
- \$34,691.61 – Furnish and Install Pipe Support posts in lieu of those specified
- \$27,923 – Furnish and Install Schedule 80 ceramic backed elbows in lieu of those specified



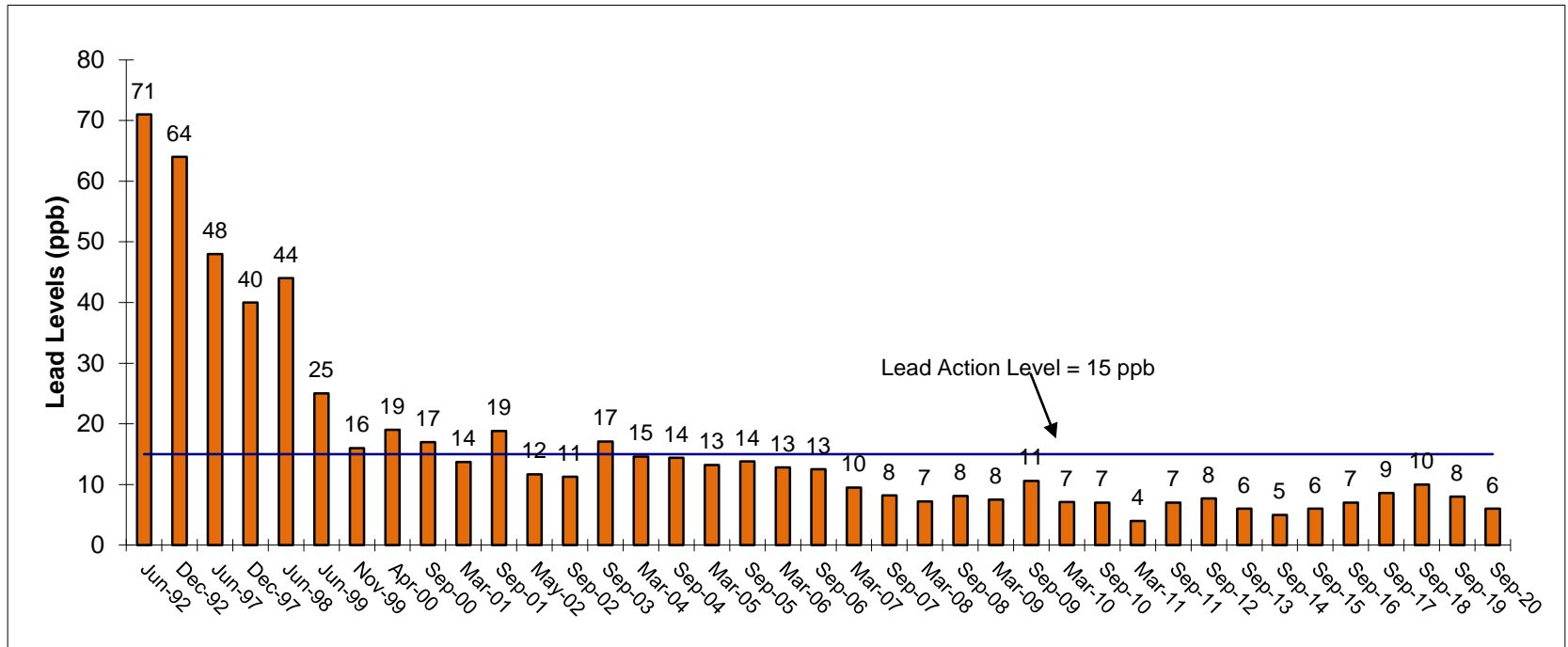


Lead and Copper Rule Sampling Results

November 18, 2020



90th Percentile Results for Fully Supplied Communities





Sites with Lead Service Lines Show Higher Results

Lead Service Lines

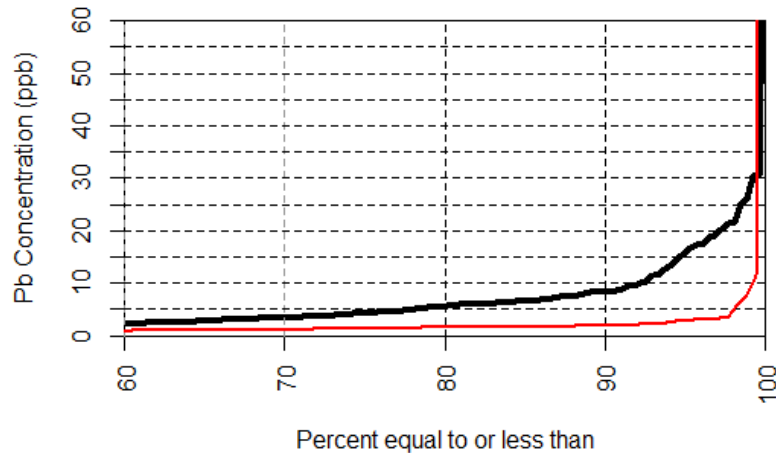
90th Percentile – 8.4 ppb

Median Value – 1.5 ppb

Copper w/ Lead Solder

90th Percentile – 1.92 ppb

Median Value – 0.7 ppb



**Lead Service Lines
(n=256)**

Copper w/ lead solder (n=177)



***Steel Water Storage Tank Painting and
Improvements - Design/ESDC***

November 18, 2020



Steel Water Storage Tank Locations





Construction Contract 1 - Chapter 30



Bellevue 2



Deer
Island



Turkey
Hill



Construction Contract 2 – Chapter 149 – Six Tanks



Arlington Heights



Walnut Hill



Bellevue 1



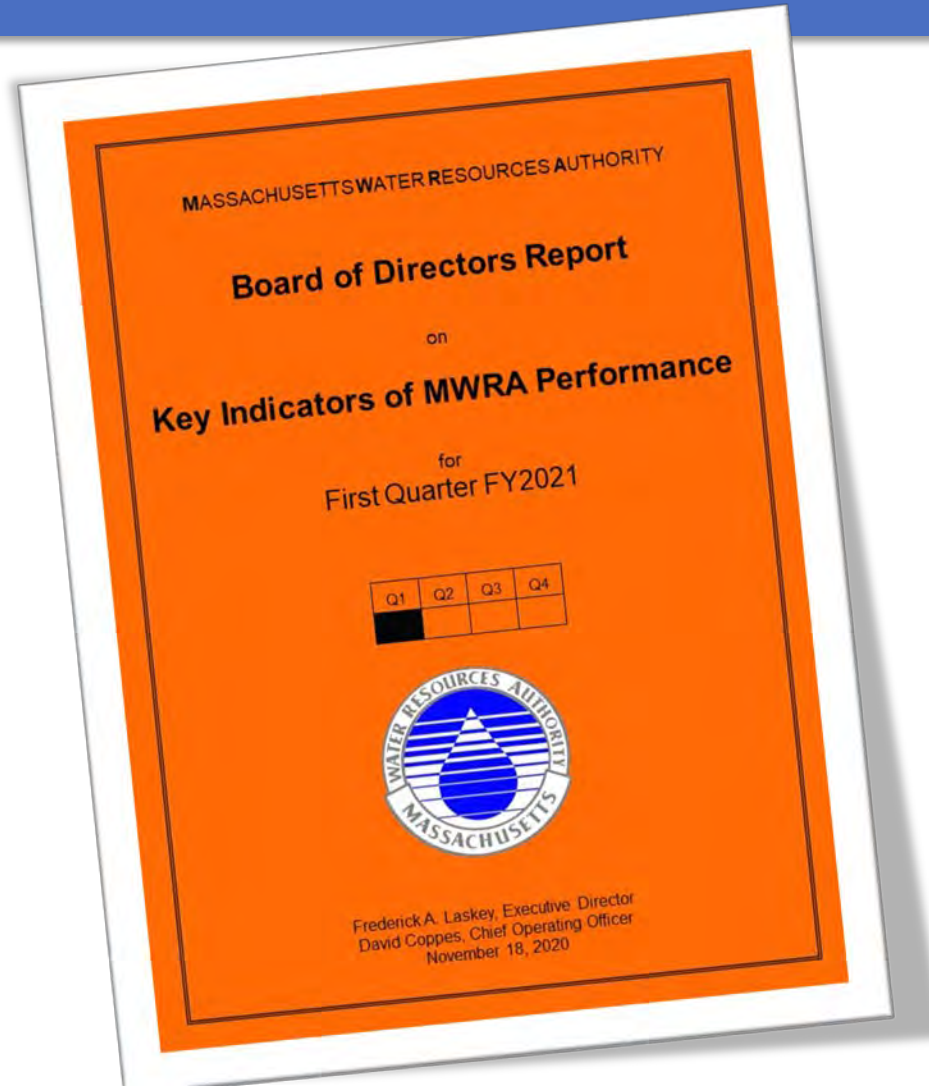
Procurement Process and Project Cost

Proposer	Rank	Cost	Proposed Hours
Hazen Sawyer	1	\$2,779,122.28	15,451
CorrTech	2	\$2,924,162.62	16,808
<i>Engineer's Estimate</i>		<i>\$2,755,550.00</i>	<i>15,837</i>

- One Step RFQP
- Selection Committee Recommends Hazen Sawyer

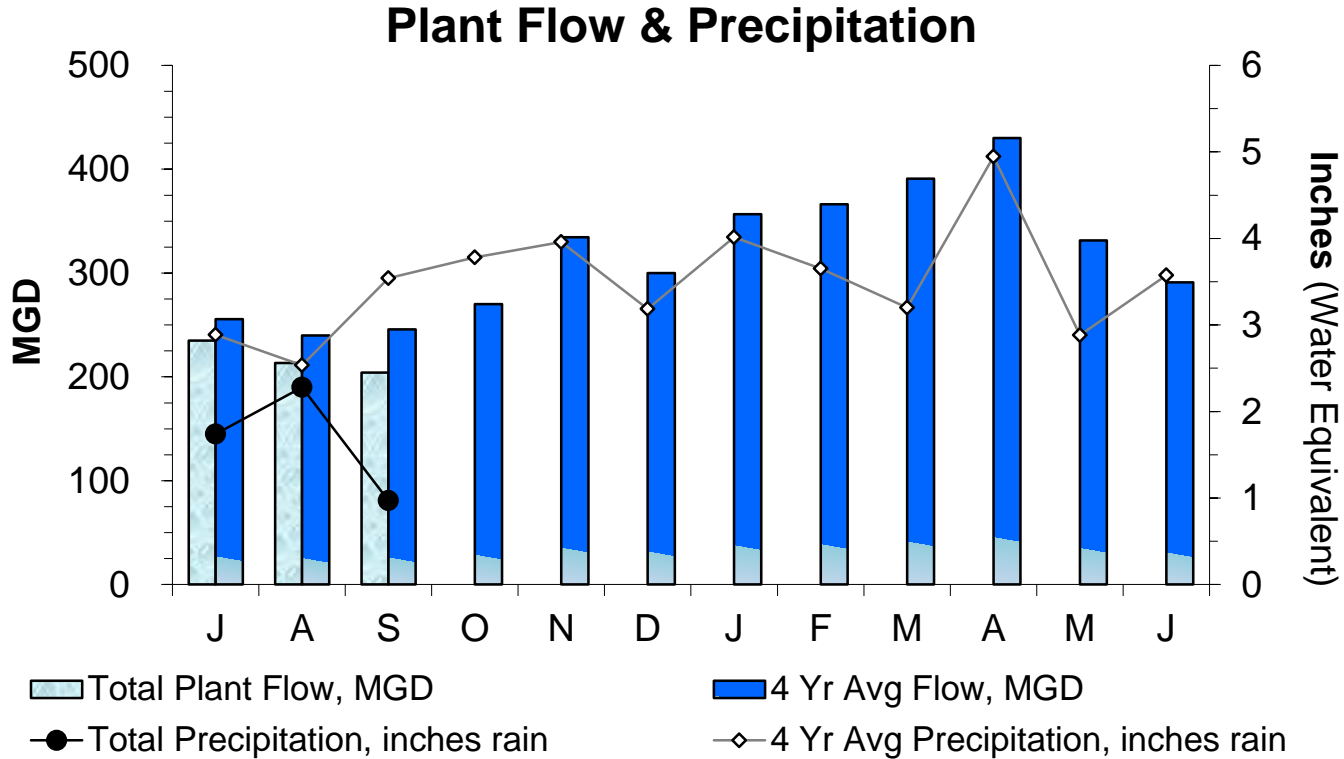


Massachusetts Water Resources Authority



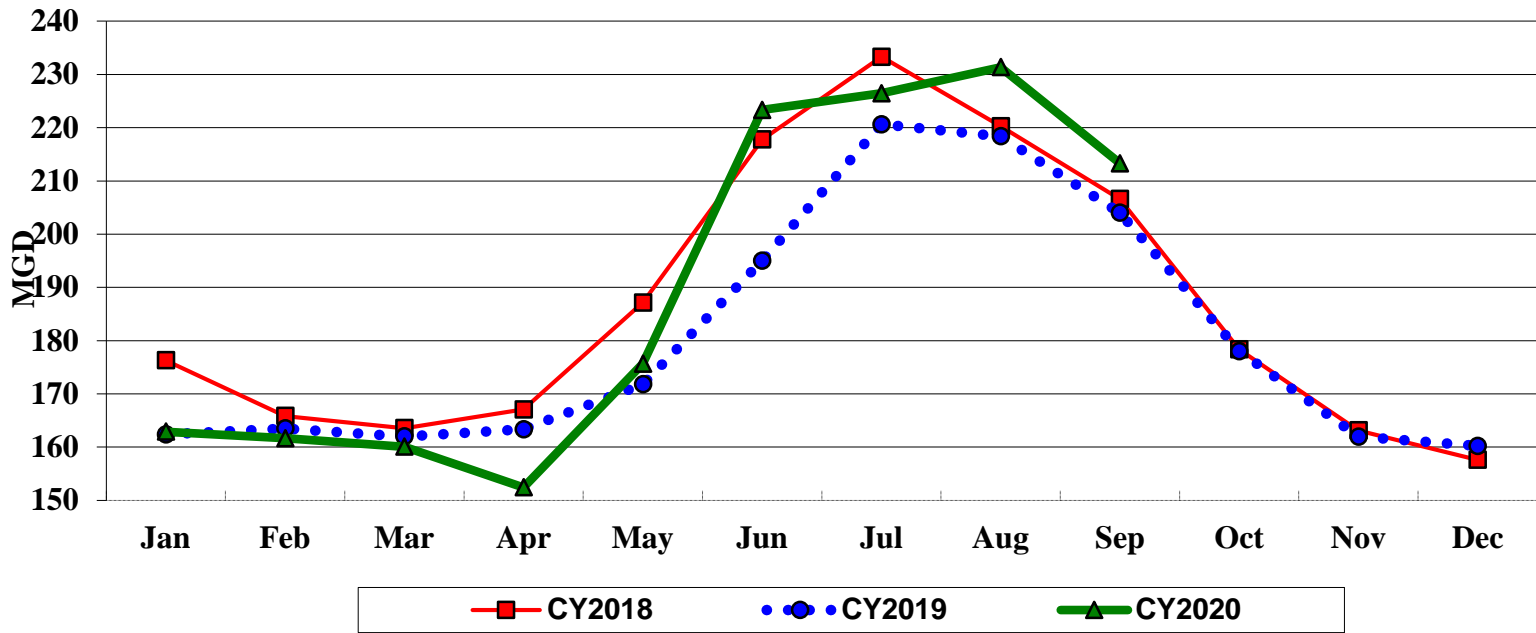


Deer Island Plant Flow



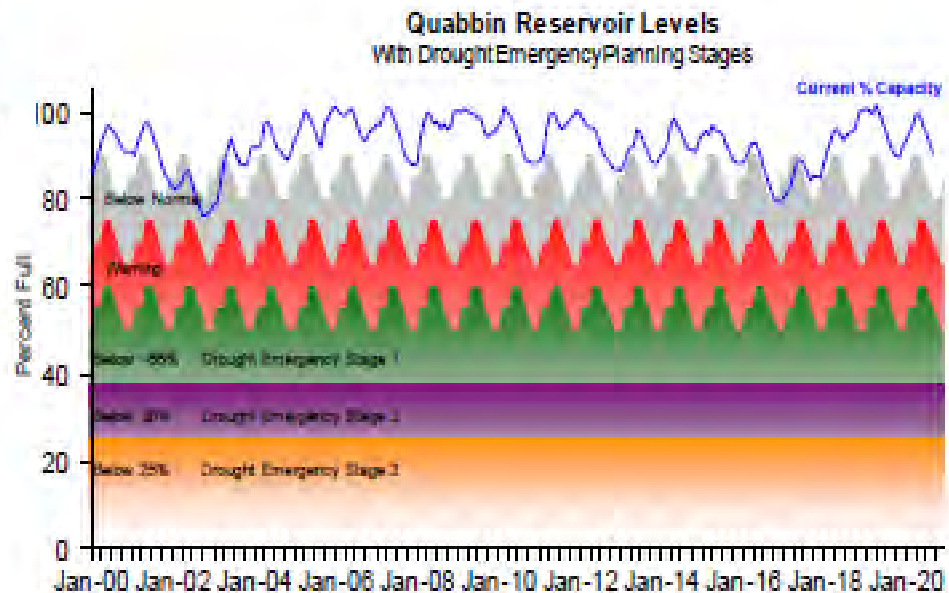
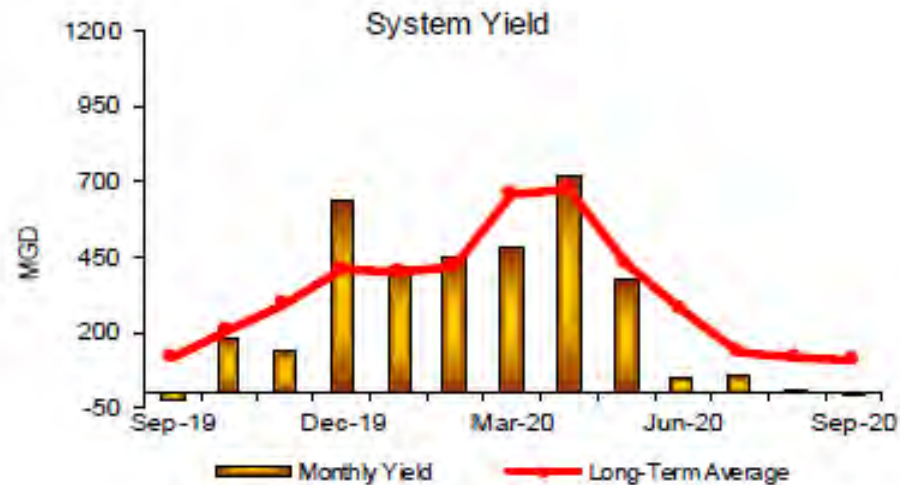


MWRA Water Supplied: All Revenue Customers



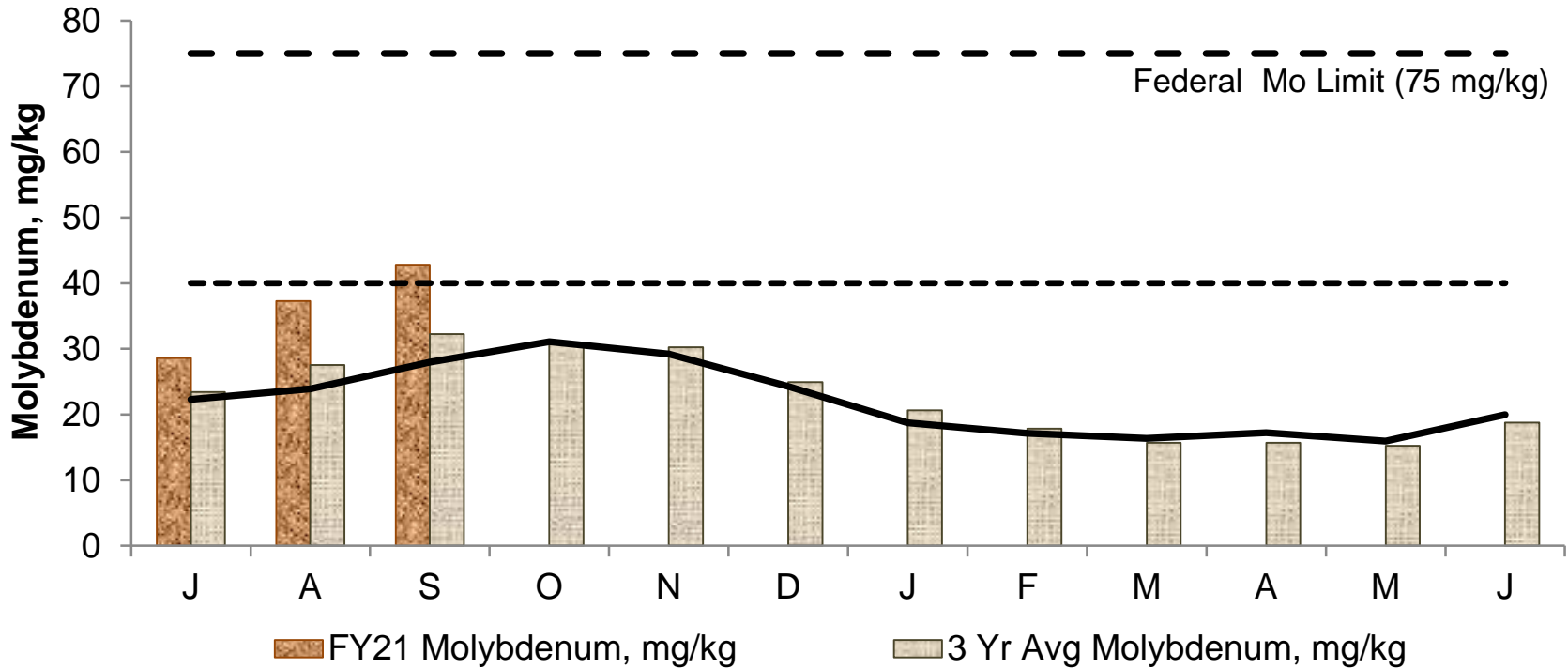


System Yield and Reservoir Levels





Molybdenum in Sludge Fertilizer Pellets





Last slide