A Promise Kept
Cost Criteria Weight is on a Downward Trend
MWRA continues to put less emphasis on cost criteria in design procurements. Over the last few years:

- In FY16, 50% were not awarded to the lowest cost proposer
- In FY17, 60% were not awarded to the lowest bidder
- In FY18, 75% were not awarded to the lowest bidder
Upcoming Capital Projects
Deer Island Combined Heat and Power Alternative Study

- Estimated cost: $830,000
- RFP Date: May 2018
Deer Island Eastern Seawall

Estimated cost: $683,000
RFP Date: January 2019
Rehabilitation of Wachusett Gatehouse

Estimated cost: $1.6 million
RFP Date: April 2019
Estimated cost: $11 million
RFP Date: November 2019
Quinapoxet Dam Removal

Estimated cost: $200,000
RFP Date: April 2020
Quabbin Administration Building Rehabilitation

Estimated cost: $2.8 million
RFP Date: December 2020
To provide redundancy for Metropolitan Tunnels which deliver water to 60% of the system

- $1.54 billion
- Project duration 2018 – 2039
### Upcoming Tunnel-Related Projects

<table>
<thead>
<tr>
<th>Project</th>
<th>Start Date</th>
<th>Cost</th>
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</thead>
<tbody>
<tr>
<td>Chestnut Hill Emergency Pump Station</td>
<td>July 2018</td>
<td>$6.7 million</td>
</tr>
<tr>
<td>Tunnel Conceptual Design/EIR</td>
<td>October 2018</td>
<td>$9 million</td>
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<tr>
<td>Shafts 5 and 9 Building Improvements</td>
<td>January 2019</td>
<td>$683,000</td>
</tr>
<tr>
<td>Section 101, Waltham Section Design</td>
<td>April 2019</td>
<td>$3 million</td>
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Preparing for Climate Change
• Three Nor’easters this winter

• Flooding and storm surge caused damage all along the harbor and the islands
Nantasket Avenue in front of DCR complex; damage to Hull Shore Drive
Damage to yurt
Undermined revetment and walkway
US Coast Guard: Little Brewster and Boston Light
Once again, the climate-resilient design of the Waterfront Landing paid off. With the main decking placed above the 100 year storm sea level, the storm surge went under, not through, the building. This time without the ice of the Jan. 4 storm.
This area was all cleaned up after the Jan. 4 storm. Time to clean it up all over again.
The greatest damage we sustained was to the wave wall. This breach appears to have been created by the sheer force of wind and waves out of the east and northeast.
Looking east, showing massive overwash fan of cobble pushed by storm energy over the top of the salt marsh
Looking southwest, showing continued damage to historic seawall and erosion of bluff that protects cemetery.
Looking east (left image) and looking west (right image), showing overwash fan of shells, cobble, and vegetative debris pushed by storm energy over the coastal trail next to the pier.
Georges Island and Lovells Island

Looking south, showing continued damage to historic seawall and outer earthworks of Fort Warren

Looking east, showing perched doorway and tunnel entrance associated with Fort Standish coastal defense installation
March 2\textsuperscript{nd} high tide
Dry Dock received 15 feet of water from overflow of caisson, overtopping and pump drains
Pier One was flooded from overtopping of seawall
The seawall protects the island from storm surges
Fallen tree in front of historic pump station; granite blocks along public access were moved by waves
Access to Nut Island was cut off by roadway flooding
Secretary Matt Beaton

Summing It All Up...