



# FY26 Third Quarter Orange Notebook Highlights

MASSACHUSETTS WATER RESOURCES AUTHORITY


**Board of Directors Report**

on

**Key Indicators of MWRA Performance**

Third Quarter FY2026

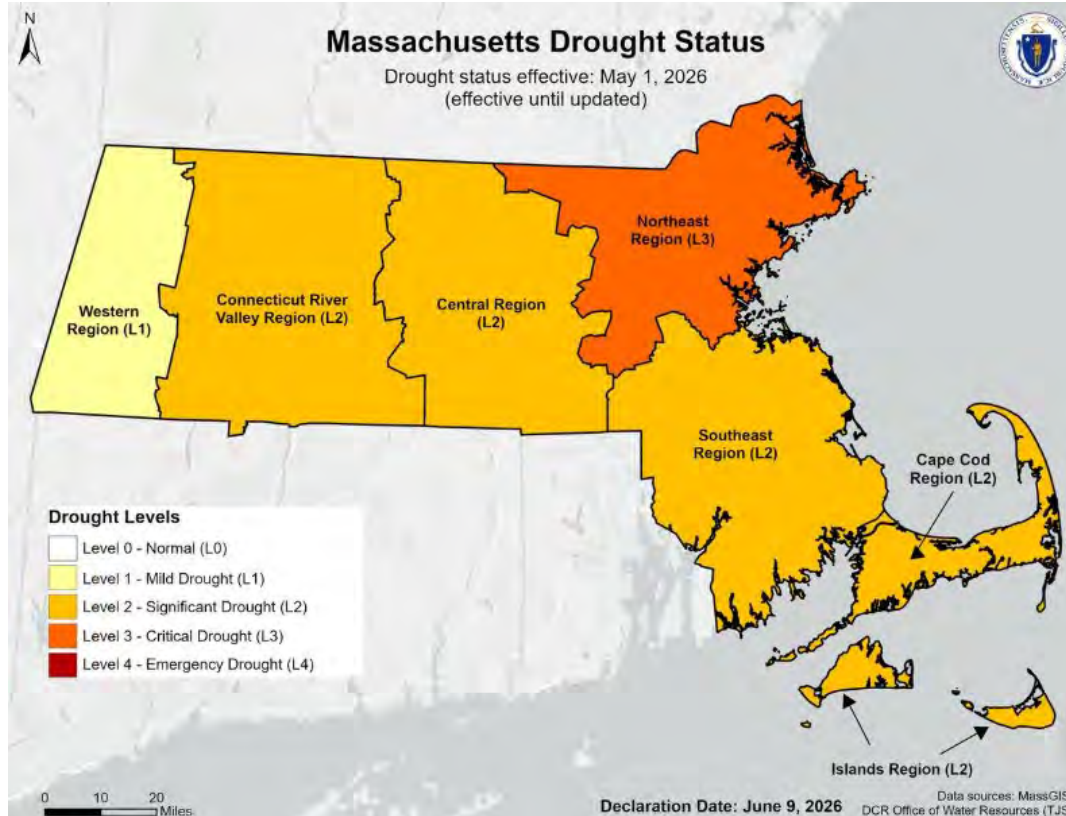
Q1	Q2	Q3	Q4



Stephen Estes-Smargiassi, Interim Executive Director  
Kathleen Murtagh, Chief Operating Officer  
June 24, 2026



# Drought Continues with Below Average Precipitation

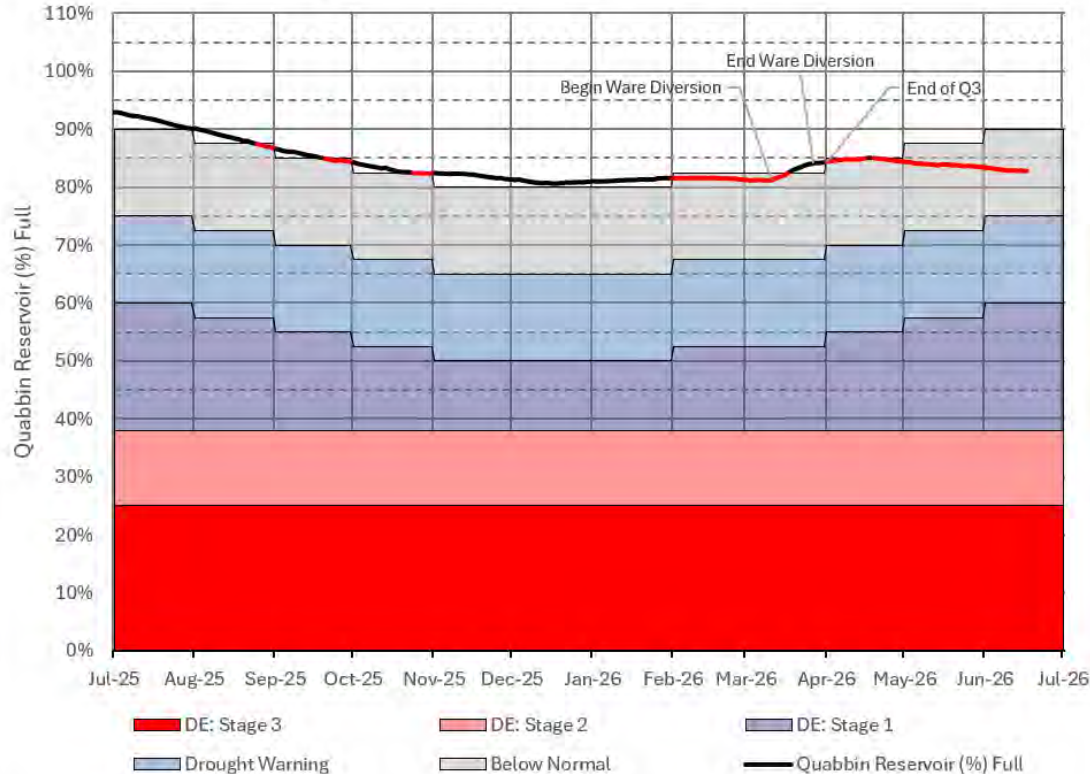


- Rainfall in Quarter 3 was 34% below recent averages (6.9" v. 10.6" expected)
- Deer Island low flow records in January and February
- Current drought conditions are more severe compared to end of Quarter 3



# Quabbin Reservoir Level & Ware River Diversion

Quabbin Reservoir Trigger Volumes

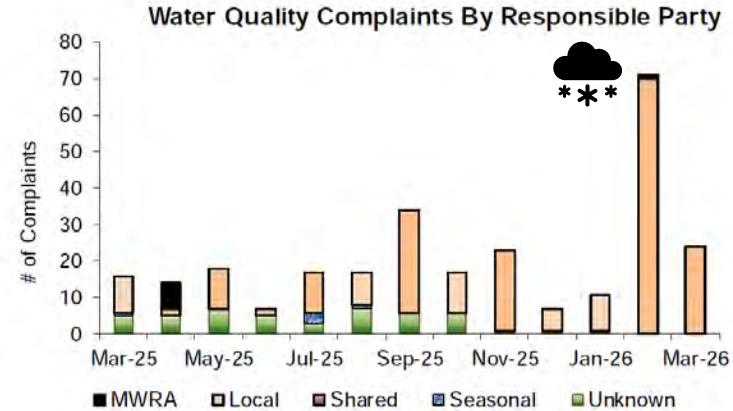


- Quabbin Reservoir volume was 84.3% of capacity as of March 31, assisted by successful diversion of 3.6 billion gallons from the Ware River
- Quabbin returned to normal range for approximately two weeks toward the end of March and then returned to below normal



# Water Main Breaks During February Nor'easter

- February 23 storm brought 17" of snow to the region. Five water main breaks reported in Winthrop, resulting in nearly 40 "no water" complaints
- MWRA crews mobilized to help municipal staff isolate and repair pipelines

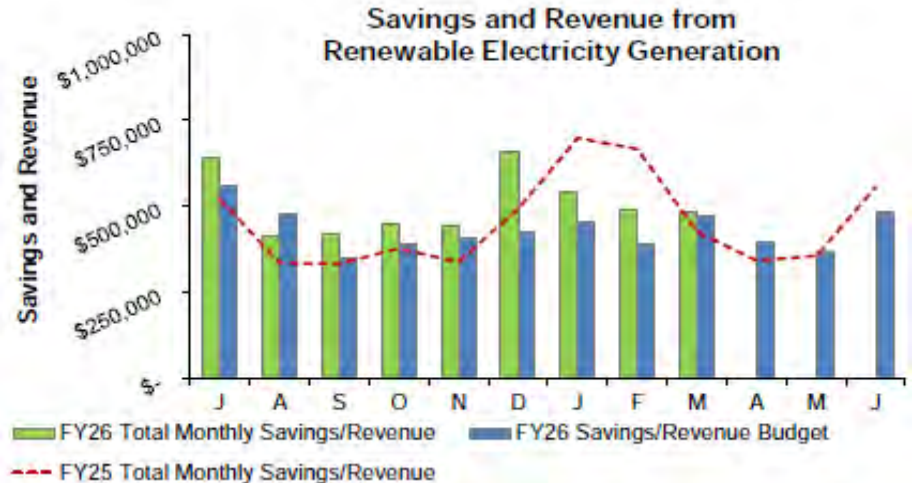
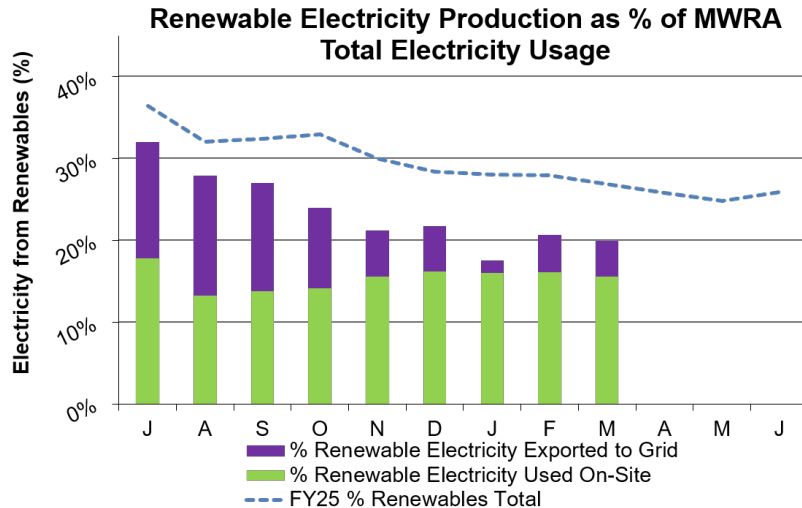


Marshall St, Winthrop, Feb 23



# Renewable Energy Generation

- Renewable electricity was 26% below target for Quarter 3 due to ongoing maintenance issues at multiple sites
- Savings and revenue from renewables was 16% *above* budget due to the higher value of avoided electricity cost from beneficial use of digester gas





*Presentation to*

**MWRA Board of Directors**

***Extended Warranty, Service and Maintenance  
Sole Source Contract for Deer Island PICS***

June 24, 2026



# Deer Island Process Instrumentation & Control System (PICS)

- PICS – Deer Island’s SCADA system (Industrial Control System)
- Supplied by ABB, Inc.
- Provides plant-wide Monitoring, Automated Control & Alarming
- Among the most expansive of any wastewater plants in the United States.
  - 30,000 input/output points
  - 61 Distributed Processing Units (control cabinets)
  - More than 1,000 Control Modules





- Enables Deer Island to operate with minimum staffing
- Human-Machine Interface (Emerson), 4% of system
  - 3,000 graphical screens





## Sole Source Service Contract Components (3-year term):

- Extended Warranty Service and On-Site Parts Inventory \$1,359,518
  - \$11,000 less than previous contract
- System Upgrades and Cybersecurity Installation Projects (Added Scope)
  - 800xA Upgrade Project \$258,973
    - Control system diagnostics monitoring platform
  - S+ Engineering Upgrade Project \$106,577
    - Engineering system for plant automation
  - Cybersecurity Work Place (CSWP) Installation Project \$131,362
    - Cybersecurity maintenance and monitoring system

**Total = \$1,856,430**

- Current contract \$1,370,722 vs. new proposed contract \$1,856,430 (35% increase)
  - Increase cost due to additional scope items



*Presentation to*

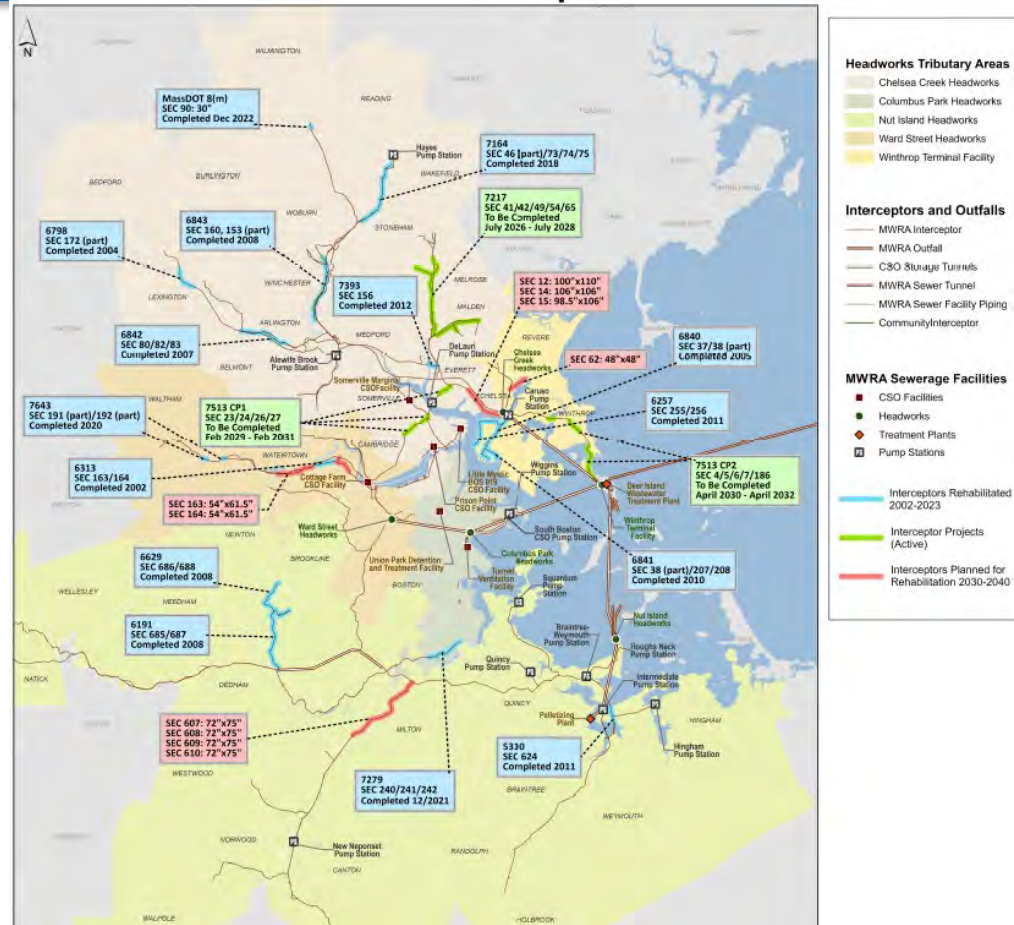
**MWRA Board of Directors**

***Interceptor Renewal No.7 Malden-Melrose  
(Sections 37/41/49/54/65)  
Insituform Technologies, LLC  
Contract 7217***

June 24, 2026

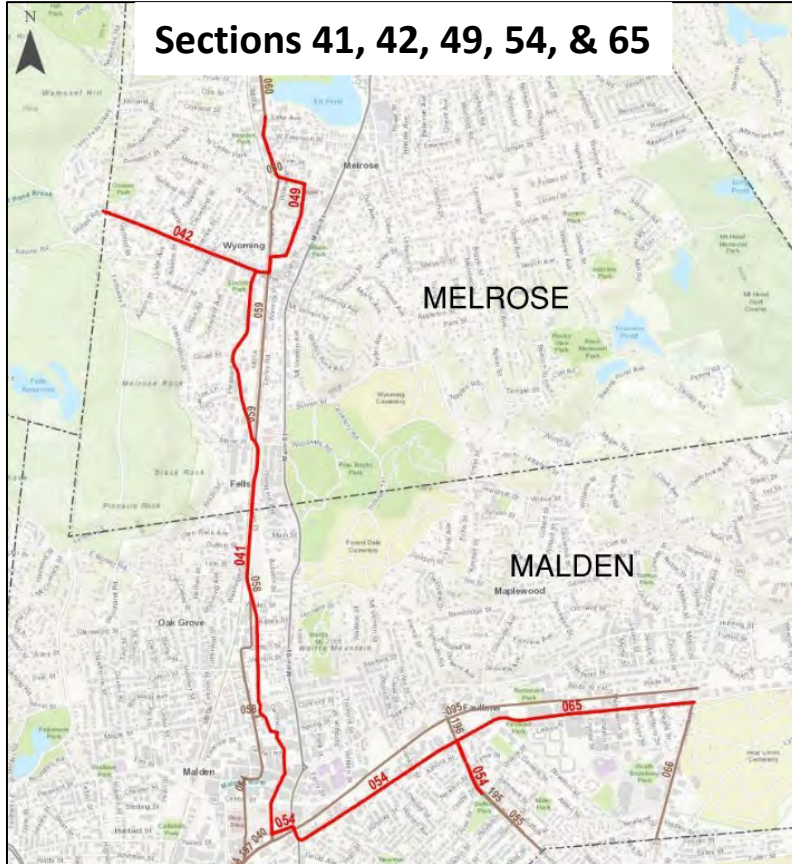


# Interceptor Renewal Program





# Interceptor Renewal No. 7 - Limits of Work





# Sewer Pipe Before and Rehabilitation



*Example of Sewer Needing  
Rehabilitation*



*Example of Sewer Rehabilitated with  
Cured-in-Place Pipe (CIPP) Liner*



# Section 37 Failed Liner





# Contract 7217 Interceptor Renewal No. 7

BIDDER	BID PRICE
Insituform Technologies, LLC	\$ 12,545,692.91
<i>Engineer's Estimate</i>	<i>\$15,150,081.00</i>
D'Allessandro Corp.	\$ 34,615,000.00

SCHEDULE	DATE
Notice to Proceed	July 2026
Substantial Completion	July 2028

Contract 7217 duration is 760 days.



*Presentation to*

**MWRA Board of Directors**

***Interceptor Renewal No.7 Malden-Melrose***

***(Sections 37/41/49/54/65)***

***Design and ESDC***

***Kleinfelder Northeast, Inc.***

***Contract 7216***

June 24, 2026



# Interceptor Renewal No. 7 - Easements



## Need for temporary construction easements:

- Access to private properties to run bypass pump piping to adjacent sewer interceptors and to access MWRA's sewers.
- Development of easements required:
  - Additional field investigations at each property to confirm lateral connections and identify utilities in the area
  - Conducting Subsurface Utility Investigations
  - Additional survey for easement documents and required appraisals.



# Interceptor Renewal No. 7 – Amendment No.1

<b>Contract 7216</b>	<b>Cost</b>	<b>Duration</b>
Original Contract	\$2,559,233.36	72 Months
Proposed Amendment 1	\$219,396.90	36 Months
Amended Contract	\$2,778,630.26	108 Months

*Amendment No.1 is 8% of the original contract value*



*Presentation to*

**MWRA Board of Directors**

***Water Section 50 & 57 Rehab  
Medford/Everett  
Design, ESDC, RE/RI  
Contract 7640, Amendment 1***

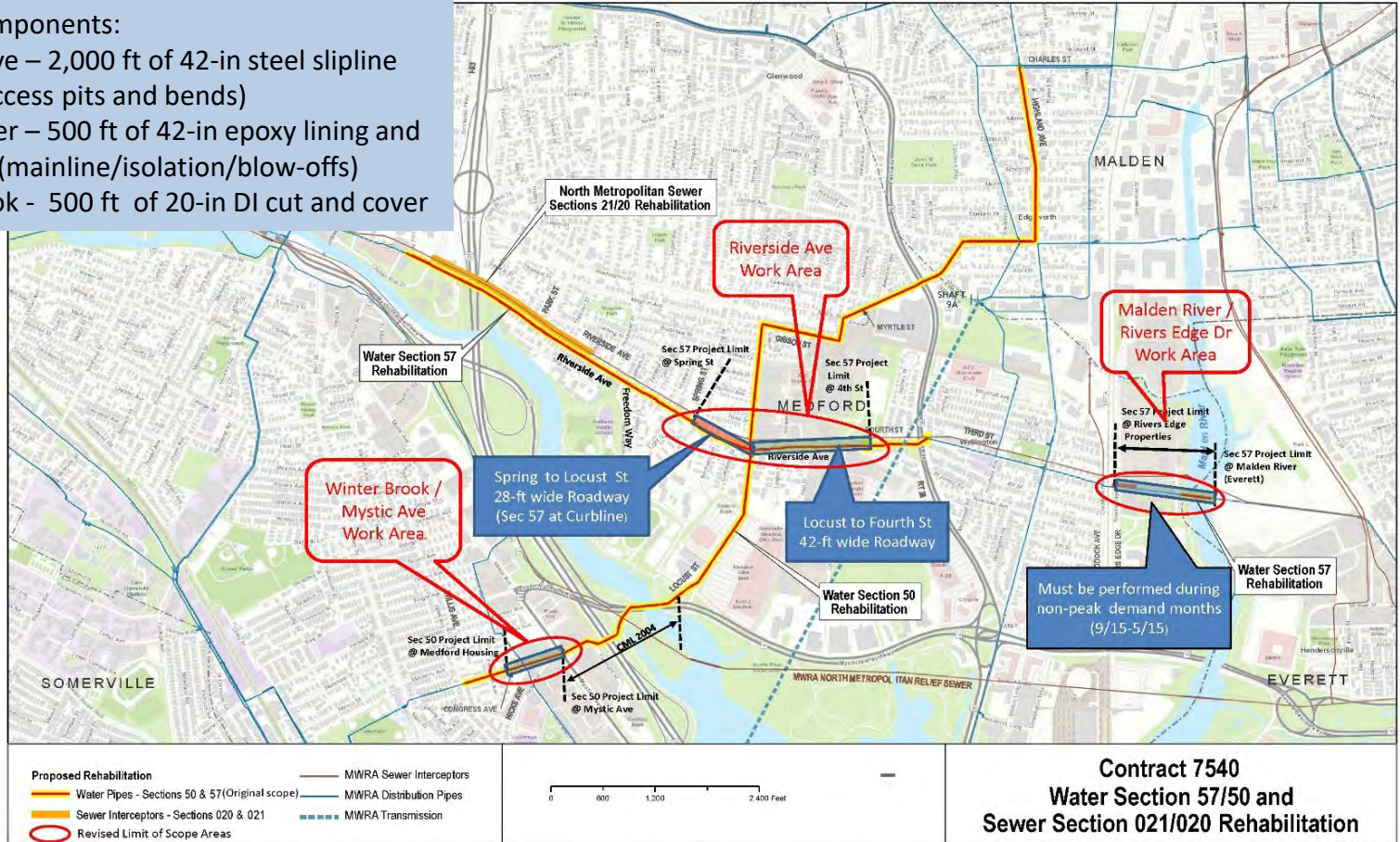
June 24, 2026



# Contract 7540 Work - Sections 50 & 57

## Final Project Components:

- Riverside Ave – 2,000 ft of 42-in steel slipline (200 ft of access pits and bends)
- Malden River – 500 ft of 42-in epoxy lining and new valves (mainline/isolation/blow-offs)
- Winter Brook - 500 ft of 20-in DI cut and cover





## Contract 7540 – Sections 50 & 57

- Weston & Sampson 100% design paused in November 2020 prior to Procurement review for National Grid to obtain grant of location with the Medford City Council
- National Grid grant of location approved at February 2026 City Council
- Weston & Sampson contract expired in May 2022, but not closed out
  - Original Contract May 2017 for \$5,980,403
  - Sufficient budget remaining to complete work
  - Will maintain original contract terms & key team members



# Contract 7540 Amendment 1

- **Time only amendment**
  - Add 7.5 years to original contract
- **Complete Contract 7540 work within original 2017 budget**
  - \$3.2M invoiced; \$2.7M remaining; cost to complete work is within remaining amount
  - Planned portions of pipe rehabilitation not needed based on field inspections
  - Allows for completion of critical Section 50 and 57 rehabilitation work and added important lining and valve work at Malden River crossing
  - Take advantage of National Grid grant of location recently approved by Medford