



Massachusetts Water Resources Authority

**MWRA Fiscal Year 2022
Proposed
Current Expense Budget**

April 20, 2021



FY22 Proposed CEB

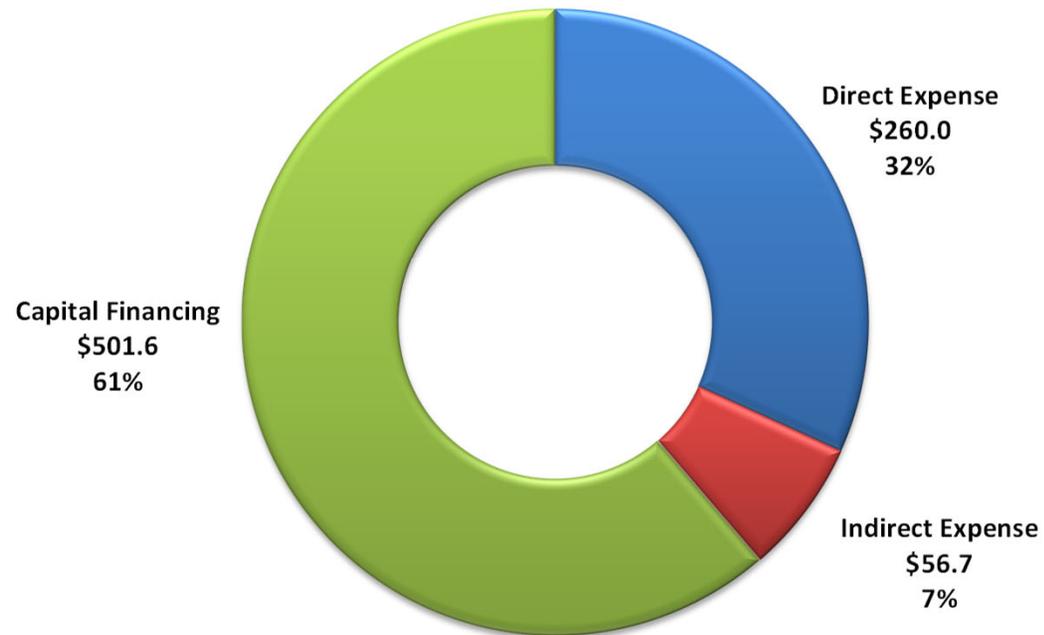
- Deliver Sustainable and Predictable Assessments
- Continue Multi-Year Rates Management Strategy
- Covid-19: Impact to Community Shares/Assessments



FY22 Proposed CEB Budget Structure

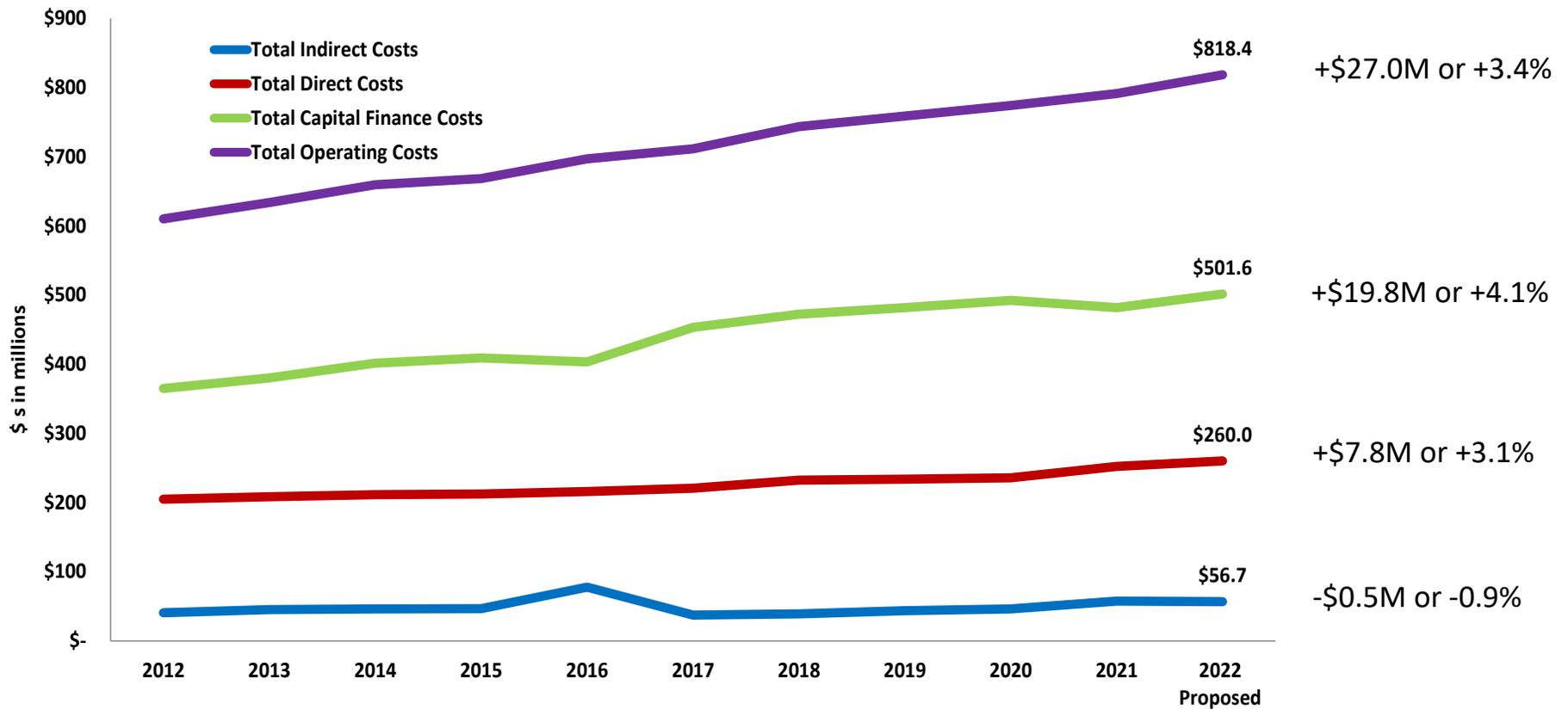
FY22 Proposed Current Expense Budget

(\$s in million)





Historical & Budgeted Spending

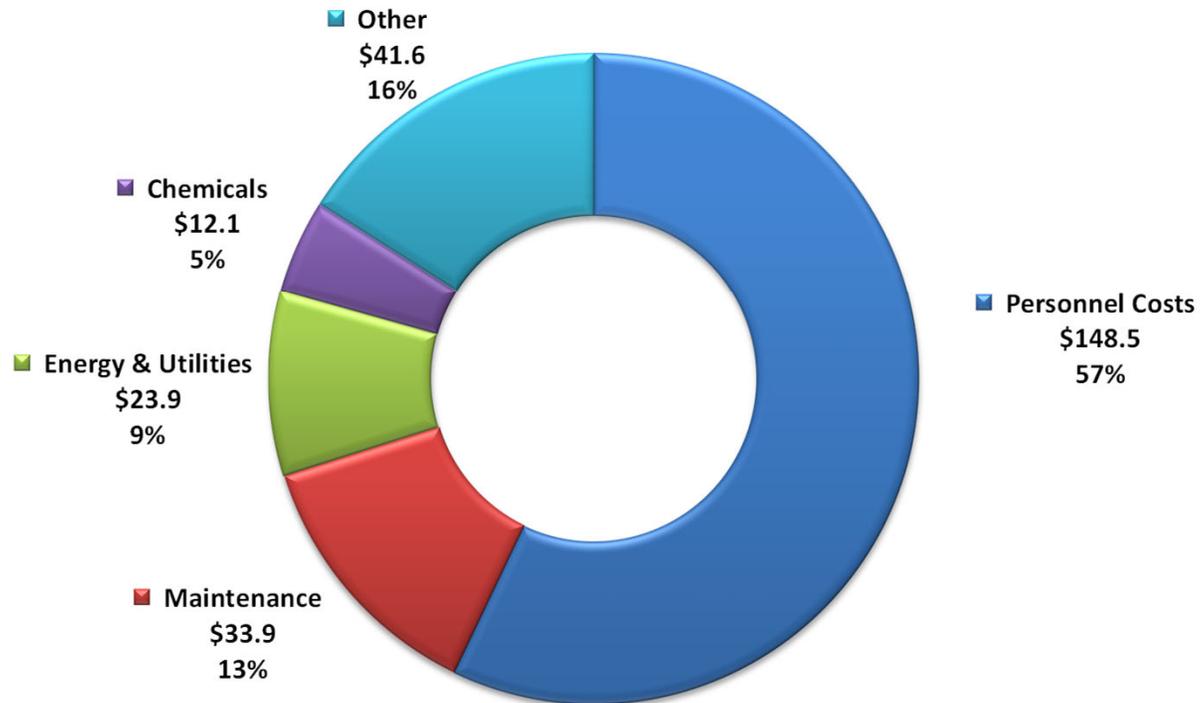




FY22 Proposed CEB Budget Structure – Direct Expenses

Direct Expenses by Category

(\$s in millions)

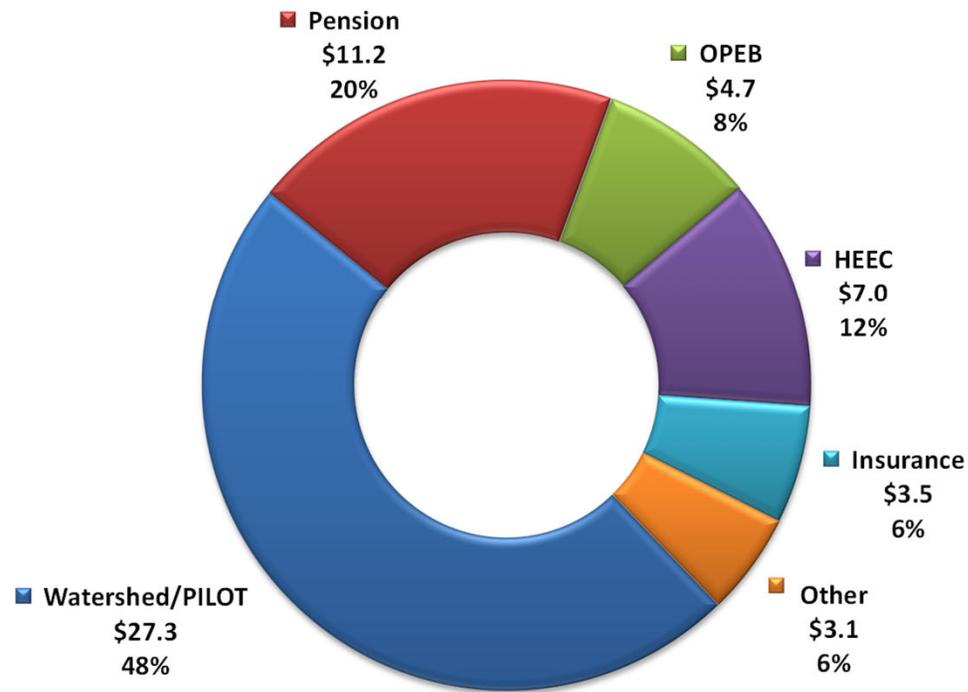




FY22 Proposed CEB Budget Structure – Indirect Expenses

Indirect Expenses by Category

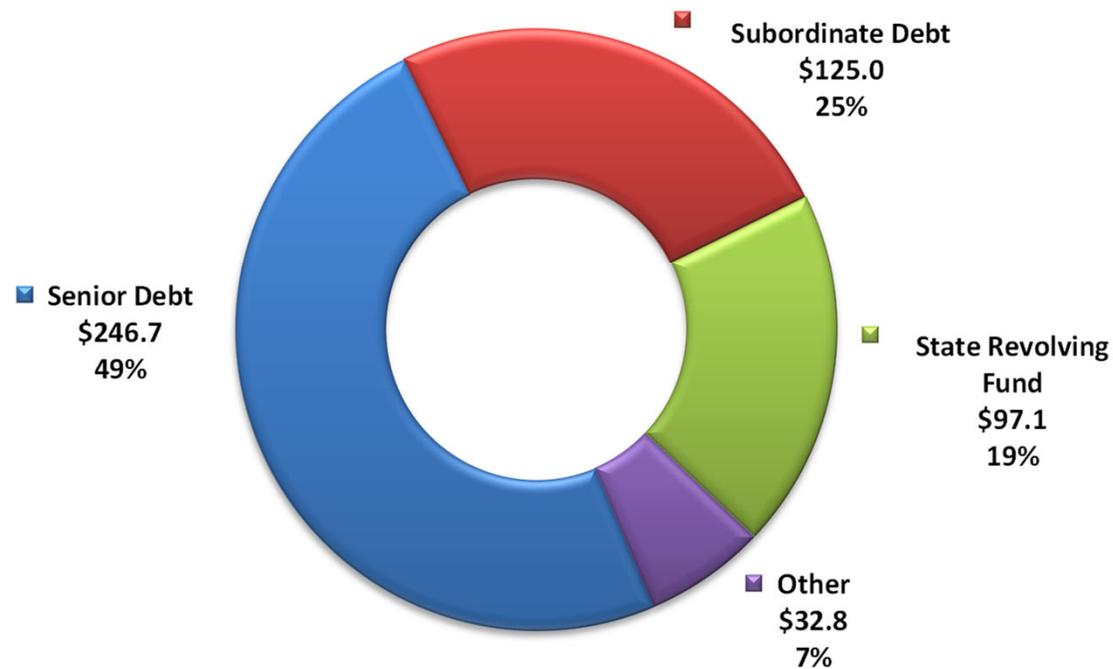
(\$s in millions)





FY22 Proposed CEB Budget Structure – Capital Finance Expenses

Capital Financing by Category (\$s in millions)

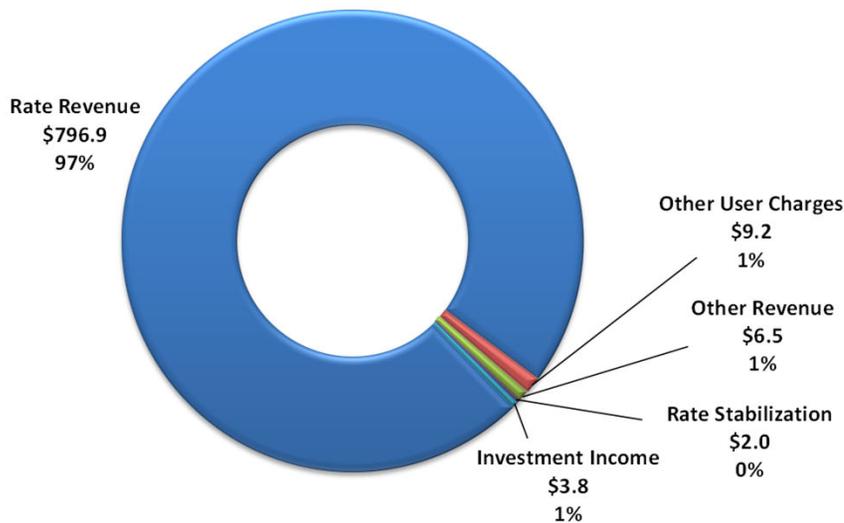




FY22 Proposed CEB Budget Structure – Non-Rate Revenue

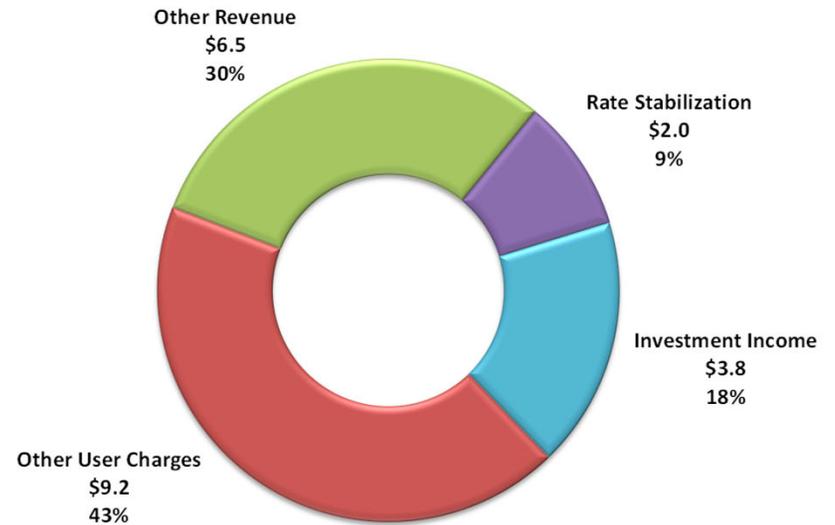
Revenue

(\$s in millions)



Non-Rate Revenue

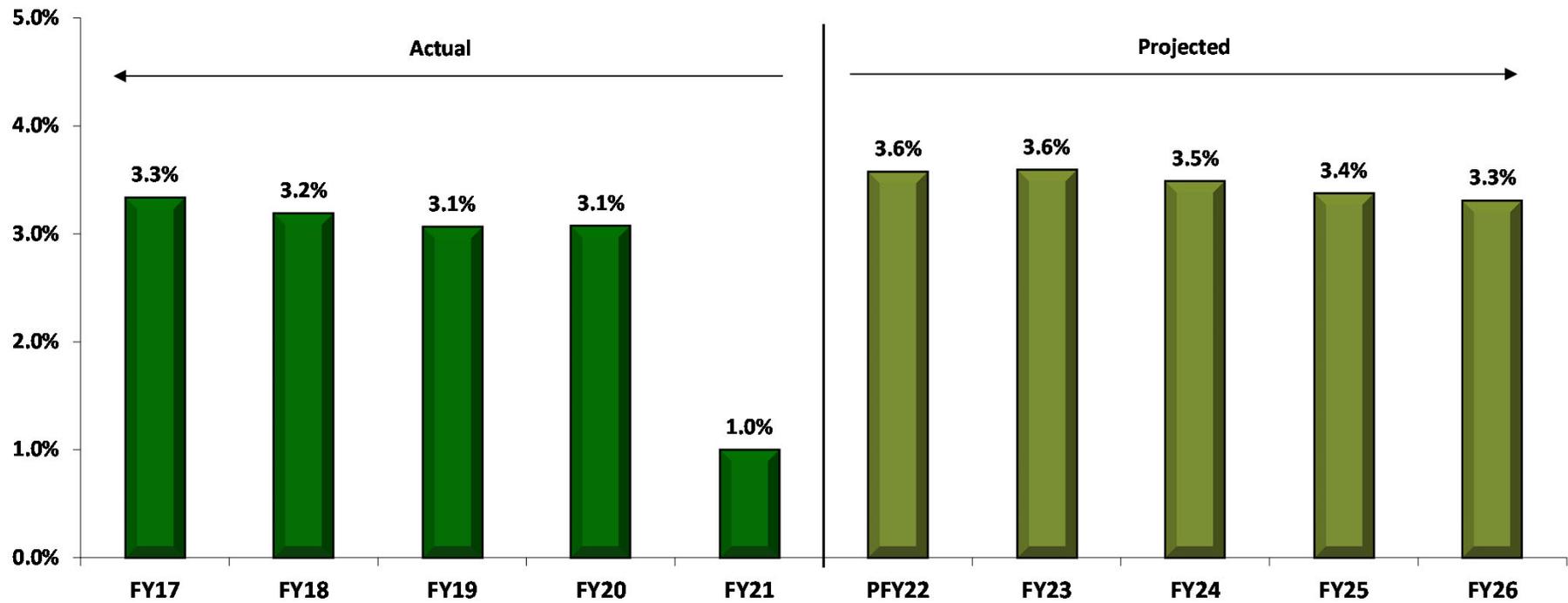
(\$s in millions)





FY22 Proposed CEB – Rate Projections (Combined Utilities)

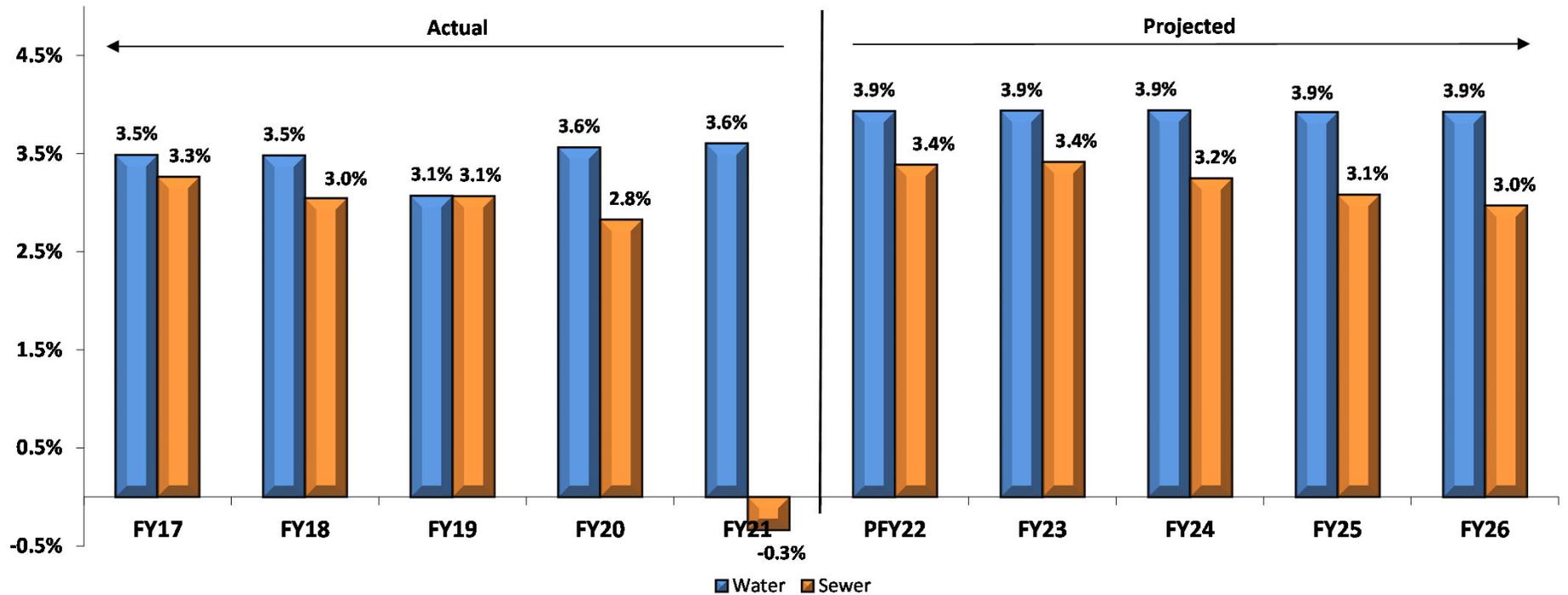
**MWRA Combined Utilities
Historical and Projected Rate Revenue Changes**





FY22 Proposed CEB – Rate Projections (By Utility)

**MWRA Water & Sewer Utilities
Historical and Projected Rate Revenue Changes**





Massachusetts Water Resources Authority

***FY22 Proposed
Capital Improvement Program***

March 18, 2021

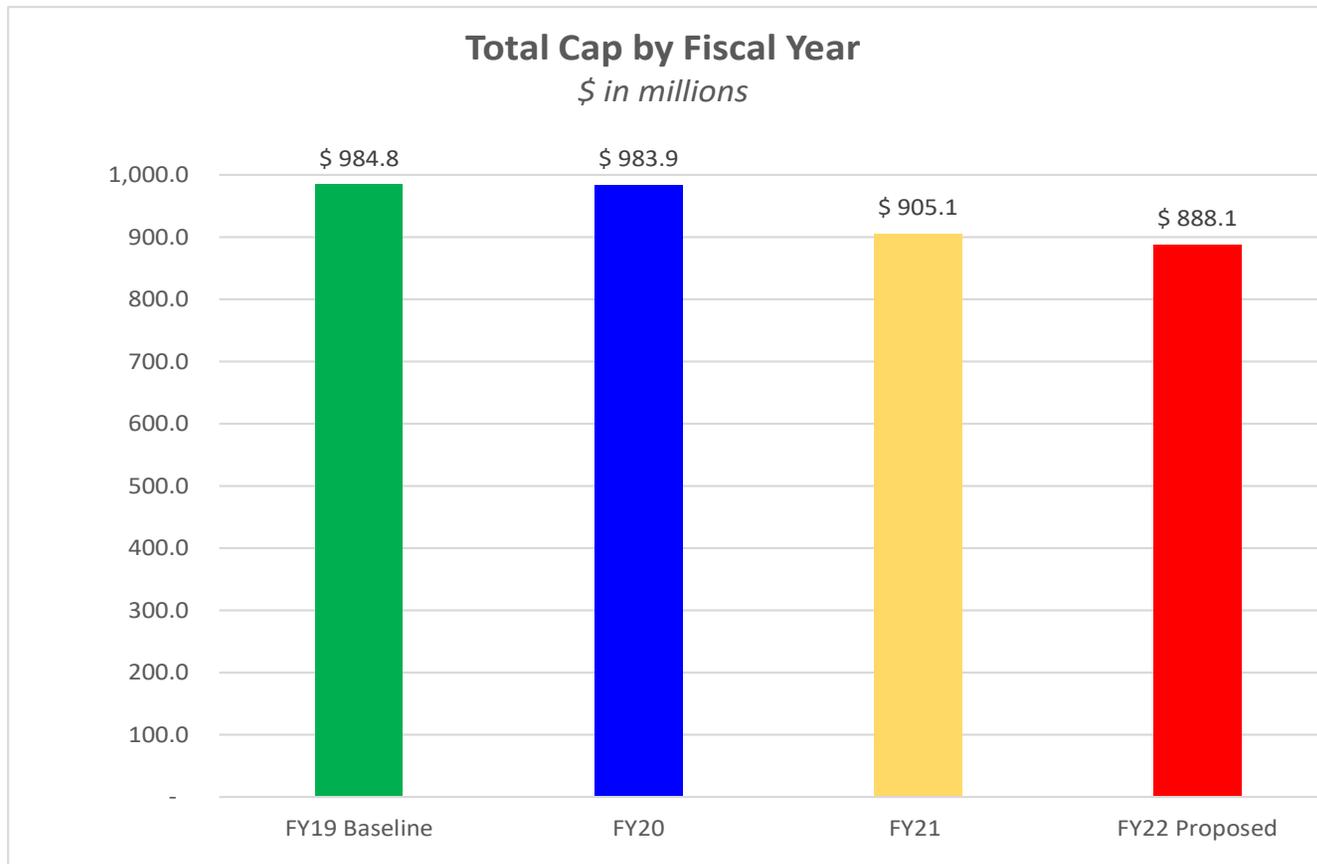


FY22 Proposed CIP

- FY22 Proposed CIP complies with the Cap requirements
- Focus on Asset Protection and Long-Term Redundancy
- Metropolitan Tunnel Redundancy

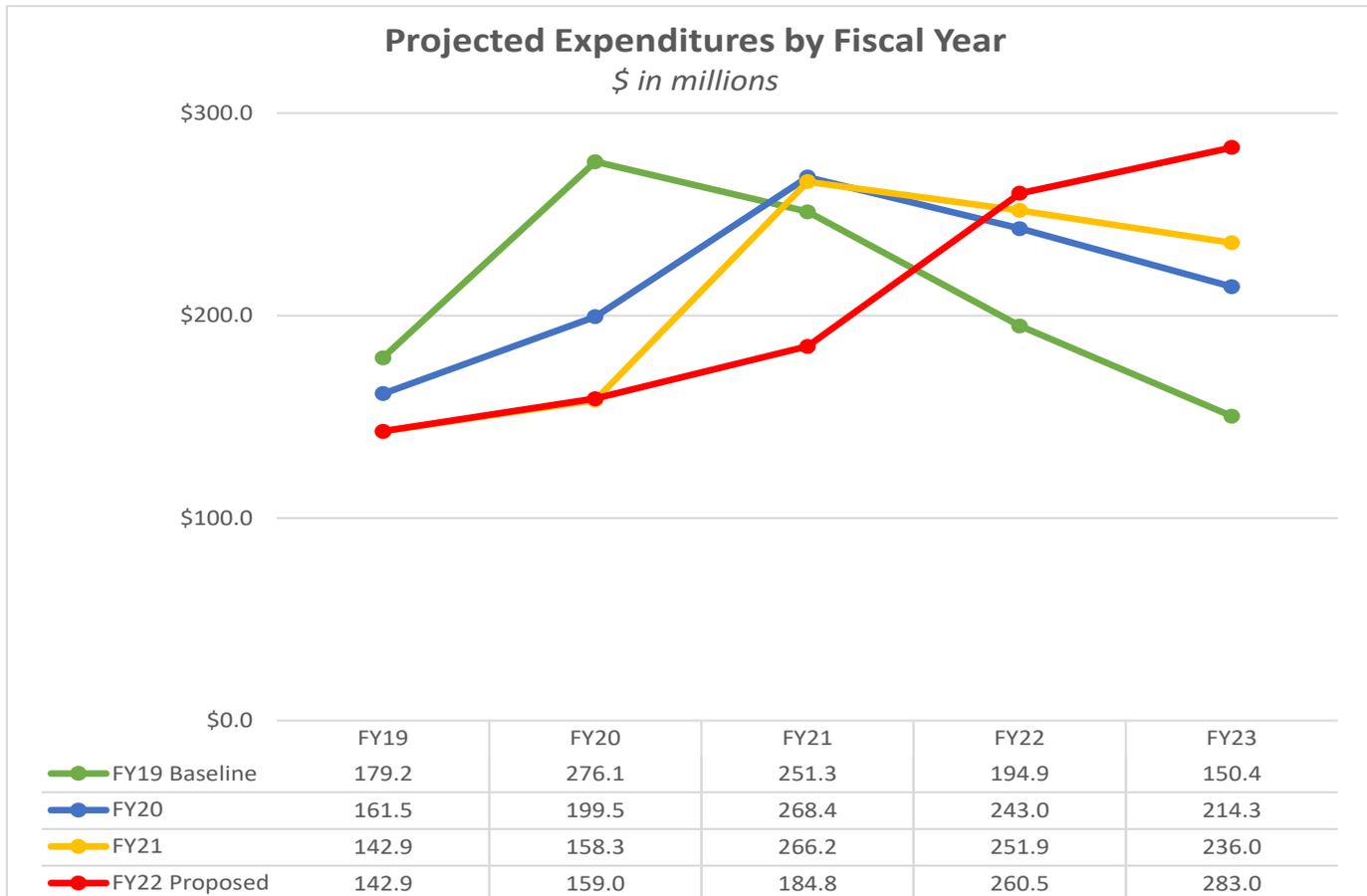


FY22 Proposed CIP - FY19-23 vs. Base-Line Cap



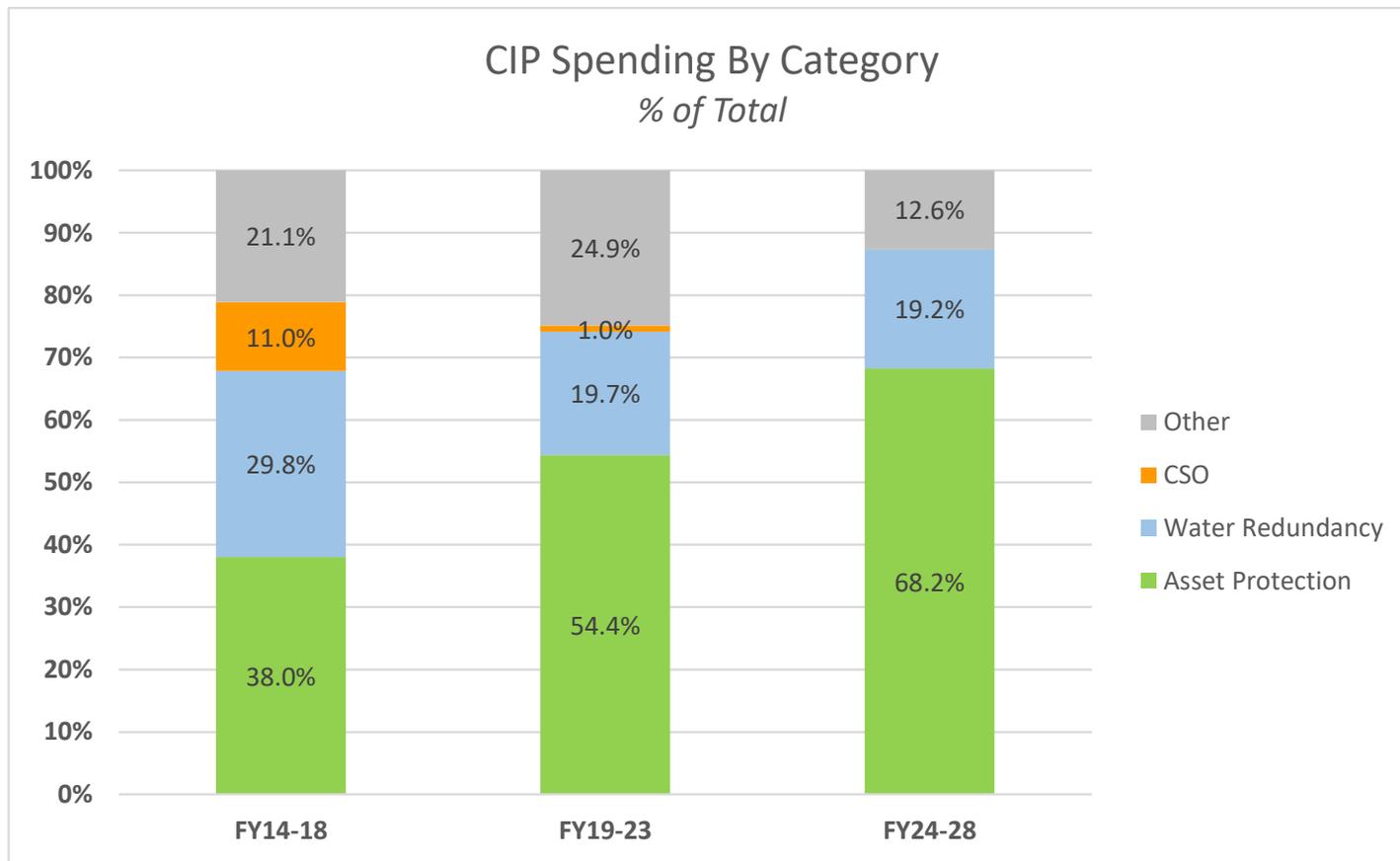


FY22 Proposed CIP – Projected Expenditures





FY22 Proposed CIP – Asset Protection and Water Redundancy





FY22 Proposed CIP – Top Projects Excluding Loans FY19-23 Cap Period Spending

Project	Subphase	FY19-23 Spending \$s in Millions	% of Total
Deer Island Treatment Plant Asset Protection	Clarifier Rehab Phase 2 - Construction	\$75.3	7.3%
Corrosion & Odor Control	NI Odor Control HVAC Imp Construction Phase 2	\$58.3	5.7%
Facility Asset Protection	Chelsea Creek Upgrades - Construction	\$51.9	5.0%
Facility Asset Protection	Prison Point Rehab - Construction	\$42.5	4.1%
SEH Redundancy & Storage	Redundancy Pipeline Sect 111 - Construction 3	\$20.2	2.0%
NIH Redundancy & Storage	Section 89 & 29 Redundancy Construction Phase	\$19.8	1.9%
Deer Island Treatment Plant Asset Protection	Gravity Thickener Rehab	\$19.6	1.9%
Deer Island Treatment Plant Asset Protection	Fire Alarm System Replacement - Construction	\$15.8	1.5%
Metro Tunnel Redundancy	Prelm Des & MEPA Review	\$14.4	1.4%
SEH Redundancy & Storage	Redundancy Pipeline Sect 111 - Construction 2	\$14.2	1.4%
	Top Spending Subphase FY19-23	\$331.9	32.2%
	Remaining FY19-23 Spending	\$698.3	67.8%
	Total Projected FY19-23 Spending	\$1,030.2	100.0%

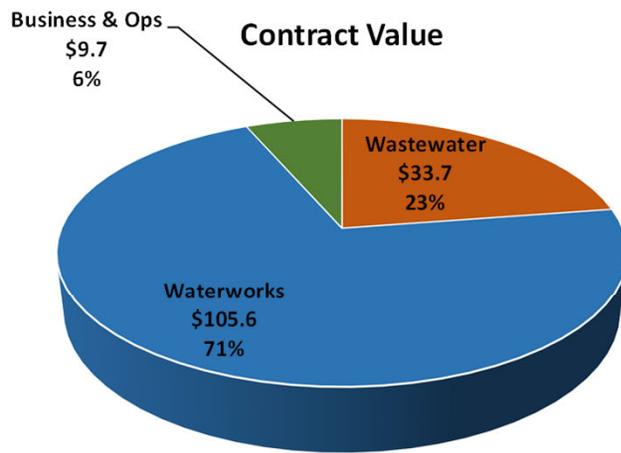


FY22 Proposed CIP – Top Projects Excluding Loans FY22 Spending

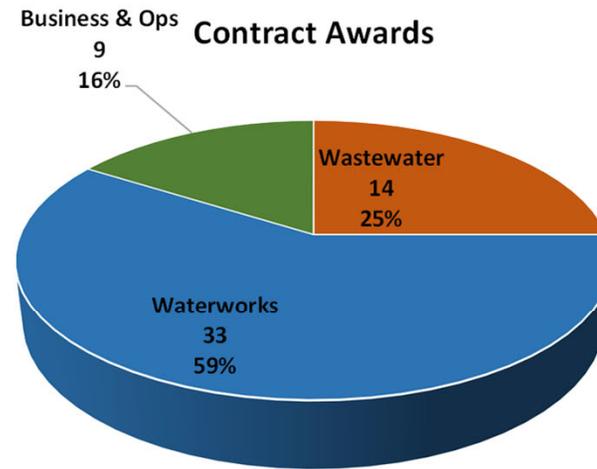
Project	Subphase	FY22 \$s in Millions	% of Total
Corrosion & Odor Control	NI Odor Control HVAC Improvement Construction Phase 2	\$22.9	8.8%
Deer Island Treatment Plant Asset Protection	Clarifier Rehab Phase 2 - Construction	\$21.8	8.4%
Facility Asset Protection	Prison Point Rehab - Construction	\$21.2	8.2%
Deer Island Treatment Plant Asset Protection	Fire Alarm System Replacement - Construction	\$7.8	3.0%
NIH Redundancy & Storage	Section 89 & 29 Replacement - Construction	\$5.8	2.2%
Metro Tunnel Redundancy	Preliminary Des & MEPA Review	\$5.4	2.1%
Metro Redundancy Interim Improvement	WASM 3 CP-1	\$5.2	2.0%
Central Monitoring System	CWTP SCADA Upgrade Construction	\$5.0	1.9%
Total Contracts > \$5 million		\$95.1	36.5%
Other Project Spending		\$165.3	63.5%
Total FY22 Spending		\$260.5	100.0%



FY22 Proposed CIP – Proposed FY22 Contract Awards



\$s in millions



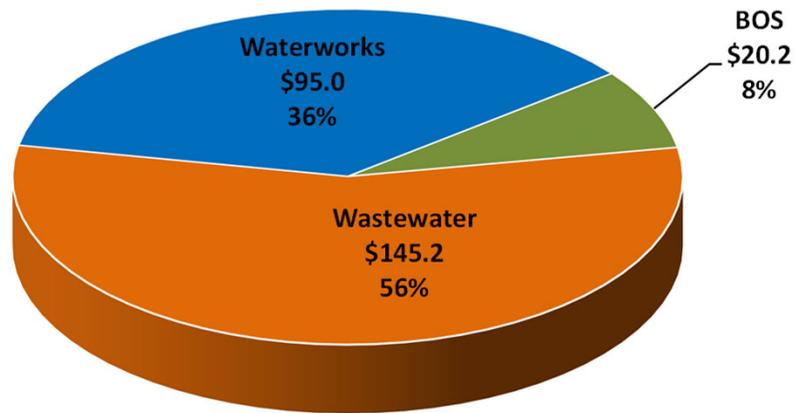
56 contracts projected to be awarded in FY22 for \$149 million.



FY22 Proposed CIP – Proposed FY22 Expenditures

Total Proposed FY22 Expenditures: \$260.5 million

FY22 Spending



\$s in millions



FY22 CIP – FY22 Top Spenders - Asset Protection

Nut Island Odor Control & HVAC Improvements Construction



FY 22 Budget : \$22.9M
Total Contract: \$58.3M
NTP: February 2020
SC: December 2022



FY22 Proposed CIP – FY22 Top Spenders – Asset Protection

Clarifier Rehabilitation Phase 2 Construction



FY22 Budget: \$21.8M
Total Contract: \$137.2M
NTP: January 2021
SC: May 2025



FY22 Proposed CIP – FY22 Top Spenders – Asset Protection

Prison Point Rehabilitation Construction



FY 22 Budget: \$21.2M

Total Contract: \$42.5M

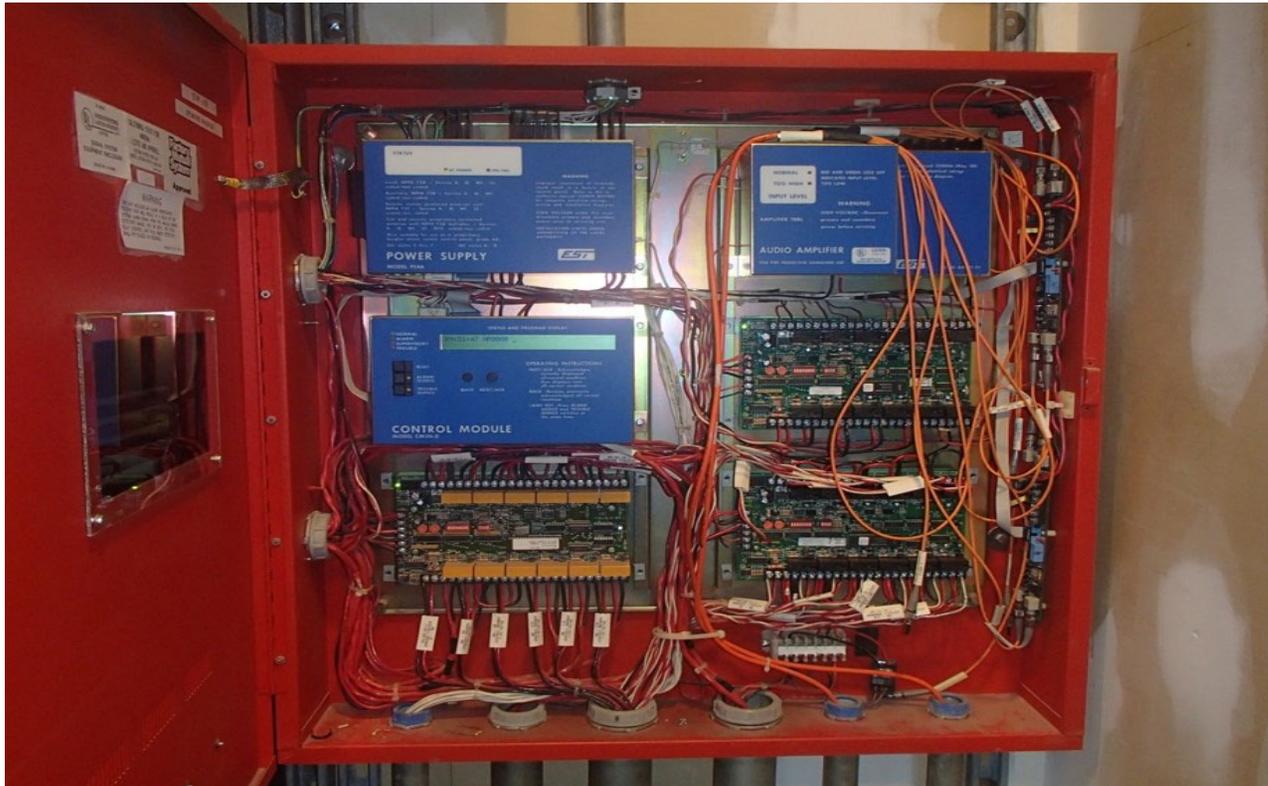
NTP: March 2021

SC: March 2023



FY22 Proposed CIP – FY22 Top Spenders – Asset Protection

Deer Island Fire Alarm System Replacement Construction

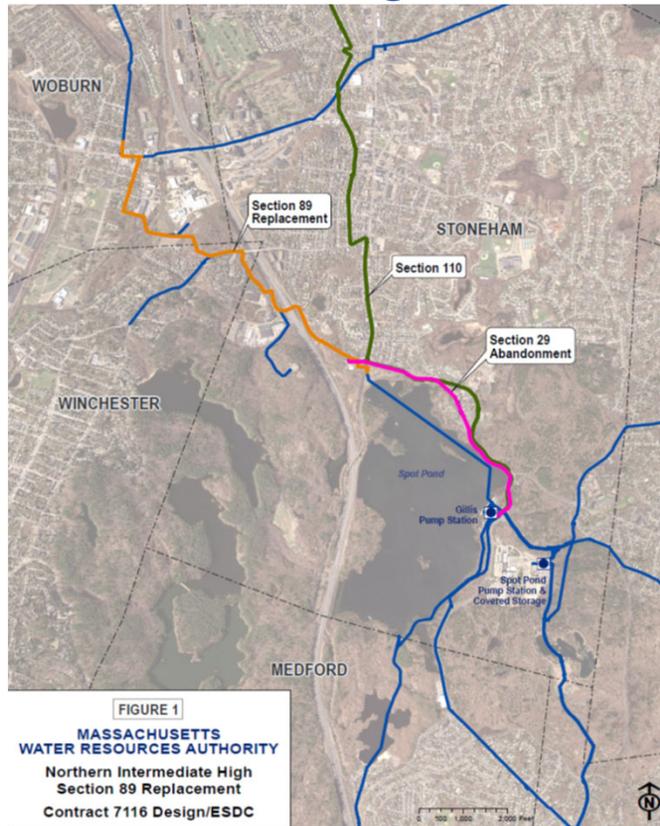


FY22 Budget: \$7.8M
Total Contract: \$28.8M
NTP: June 2021
SC: October 2024



FY22 CIP – FY22 Top Spenders - Redundancy

Northern Intermediate High Redundancy Sections 89 and 29



FY 22 Budget: \$5.8M

Total Contract: \$28.9M

NTP: January 2021

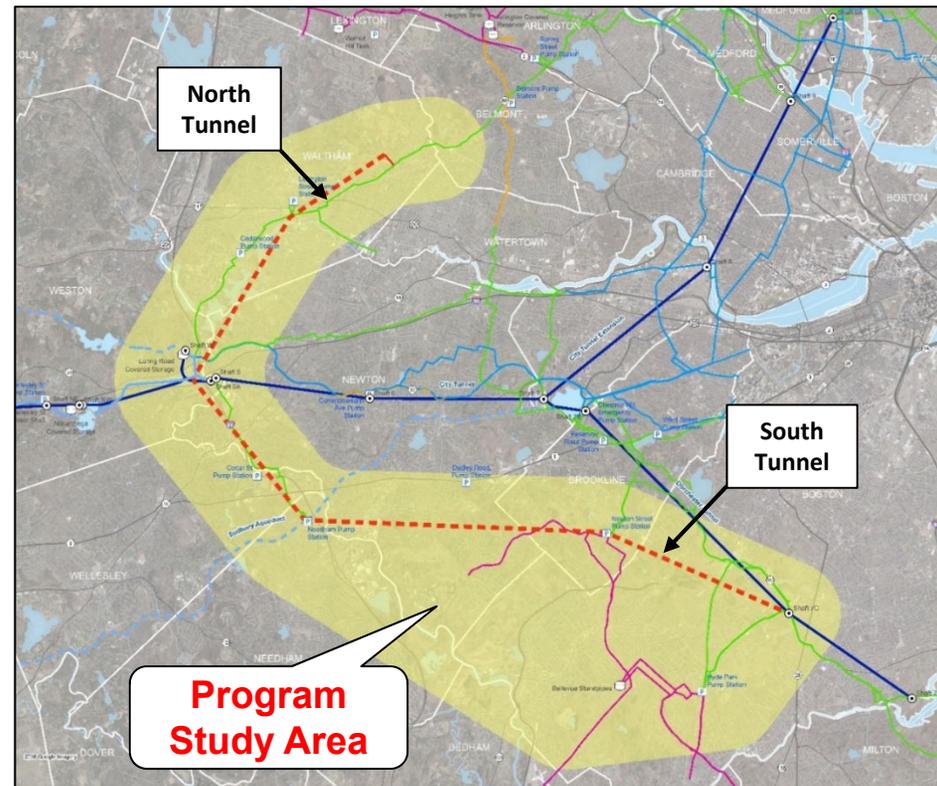
SC: December 2025



FY22 Proposed CIP – FY22 Top Spenders – Redundancy

Preliminary Design & MEPA Review

FY22 Budget: \$5.4M
Total Contract: \$15.7M
NTP: July 2020
SC: January 2024



--- Conceptual Tunnel Alignment



FY22 Proposed CIP – FY22 Top Spenders – Redundancy

WASM 3 CP-1



FY22 Budget: \$5.2M
Total Contract: \$19.5M
NTP: October 2020
SC: August 2024



FY22 CIP – FY22 Top Spenders - Asset Protection

Carroll Water Treatment Plant SCADA Upgrade Construction



FY 22 Budget: \$5.0M
Total Contract: \$13.0M
NTP: April 2021
SC: October 2023



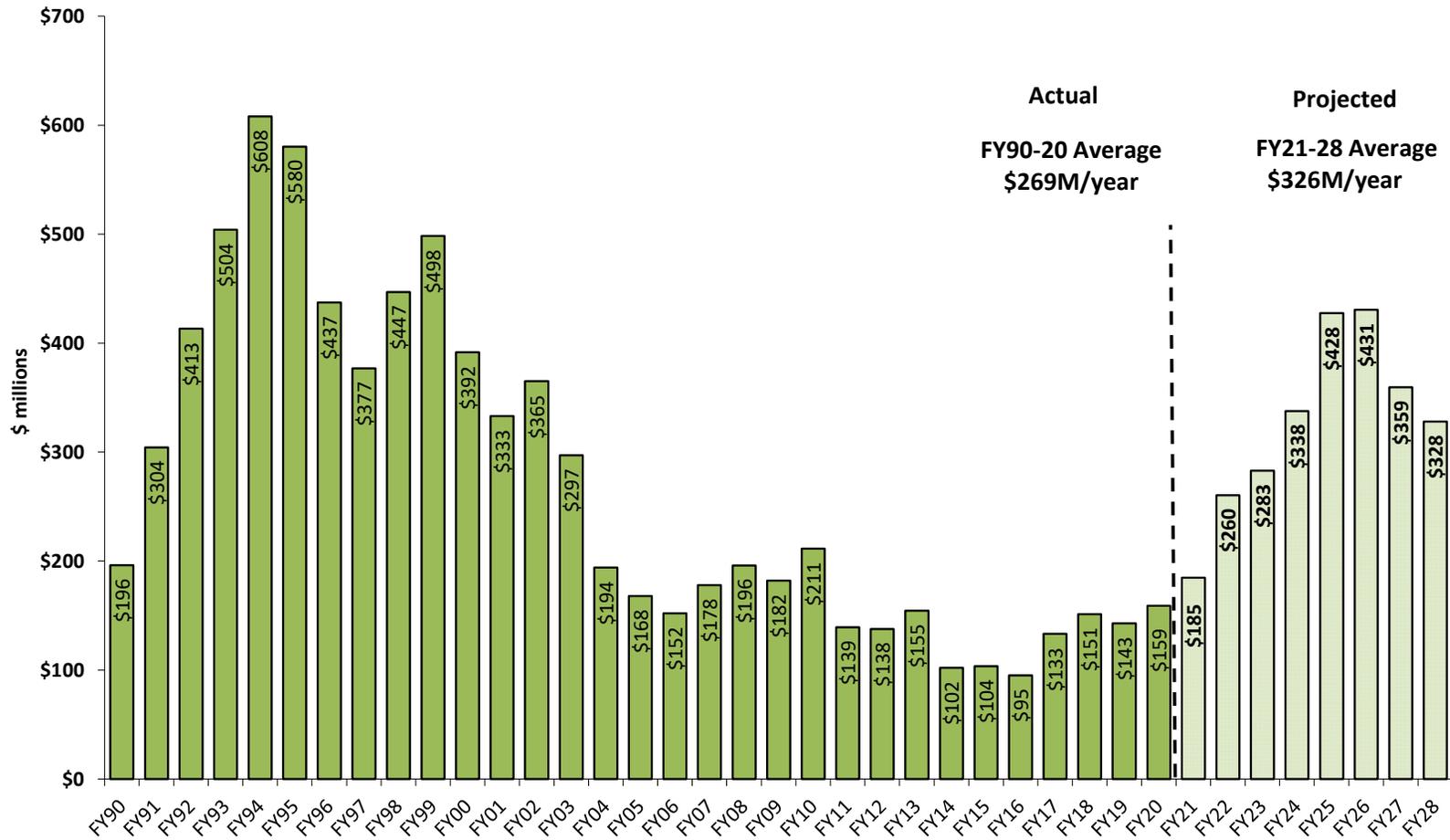
FY22 Proposed CIP - Treatment

DITP Combined Heat and Power



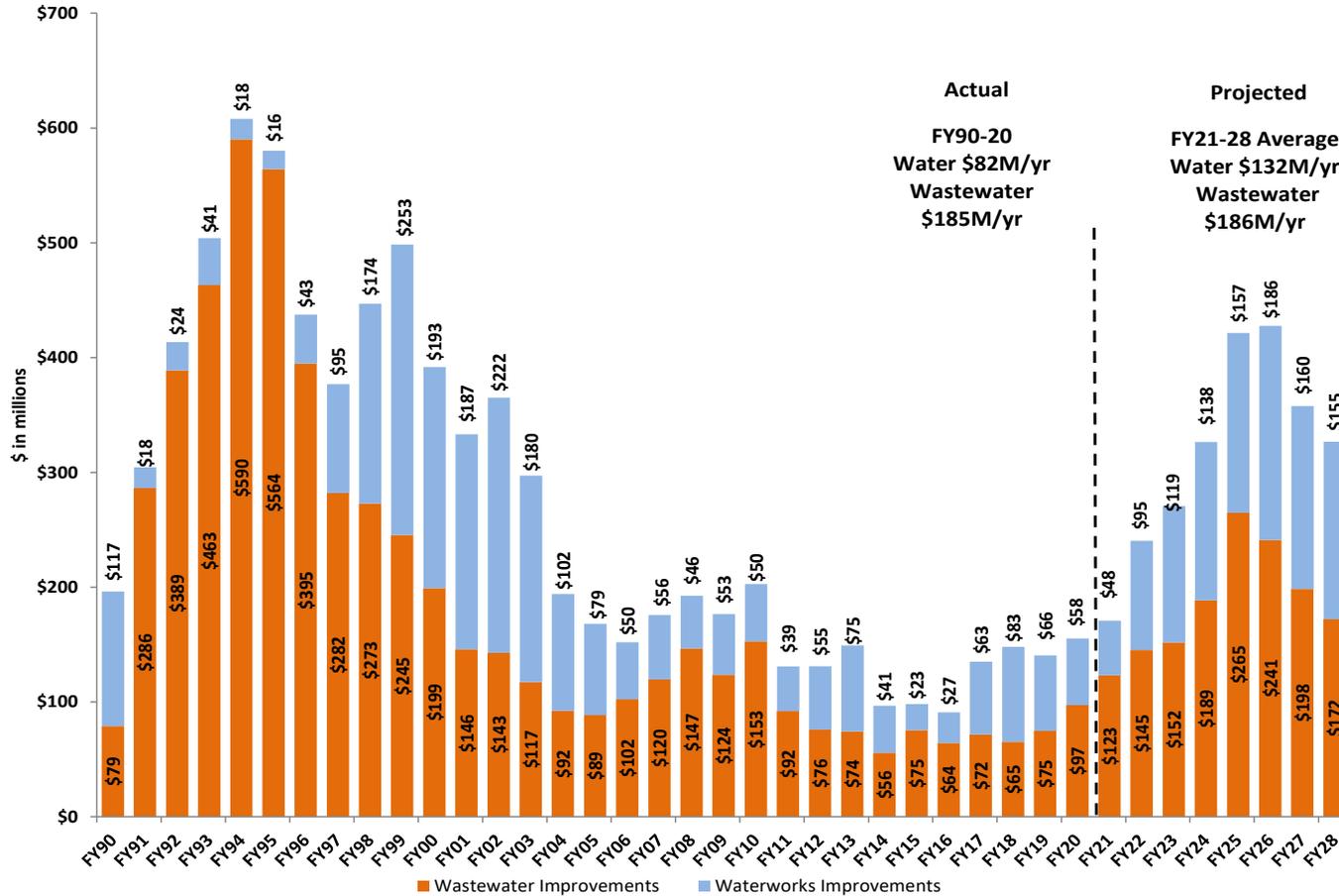


Historic and Projected Capital Improvement Spending



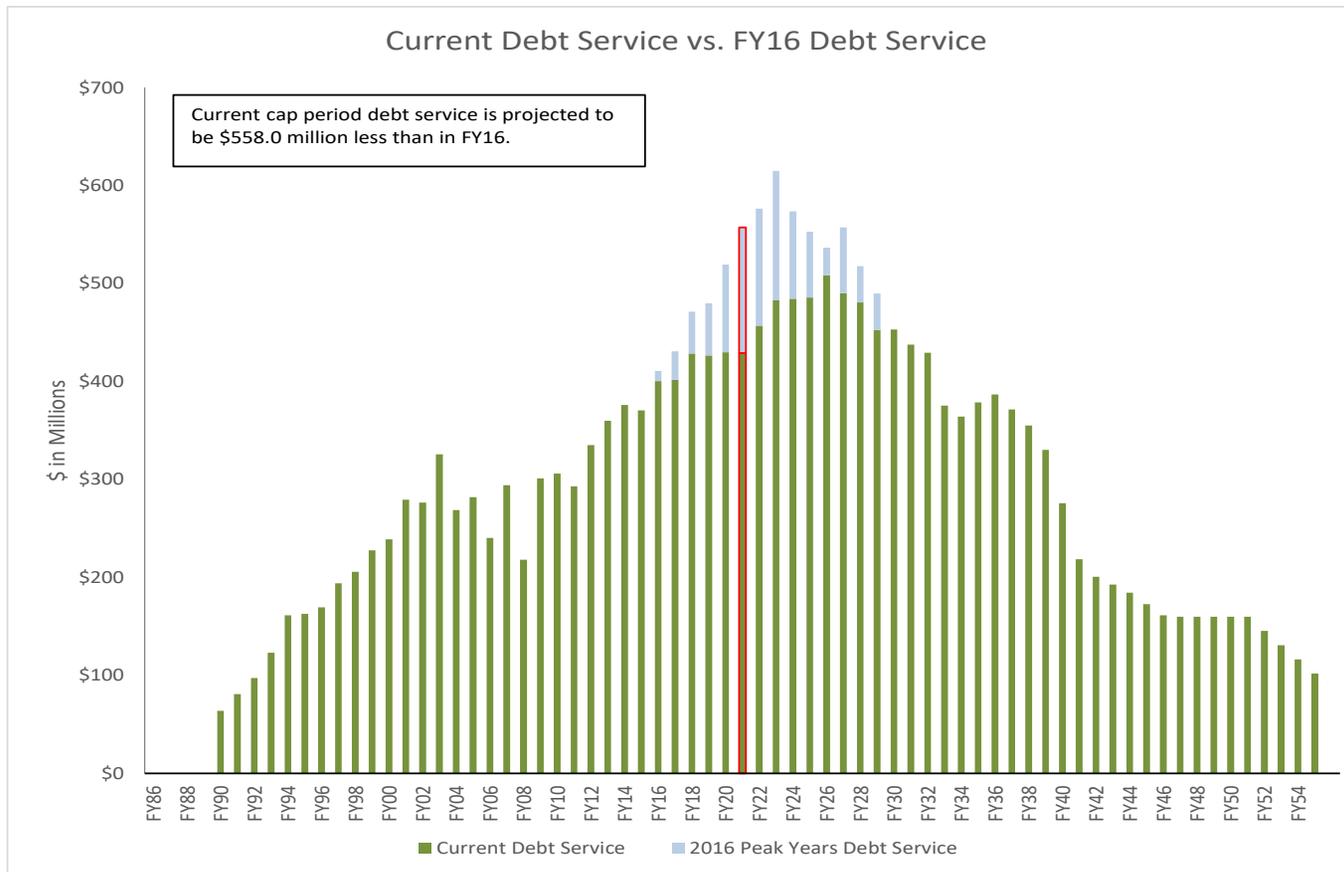


Historic and Projected Capital Improvement Spending by Utility





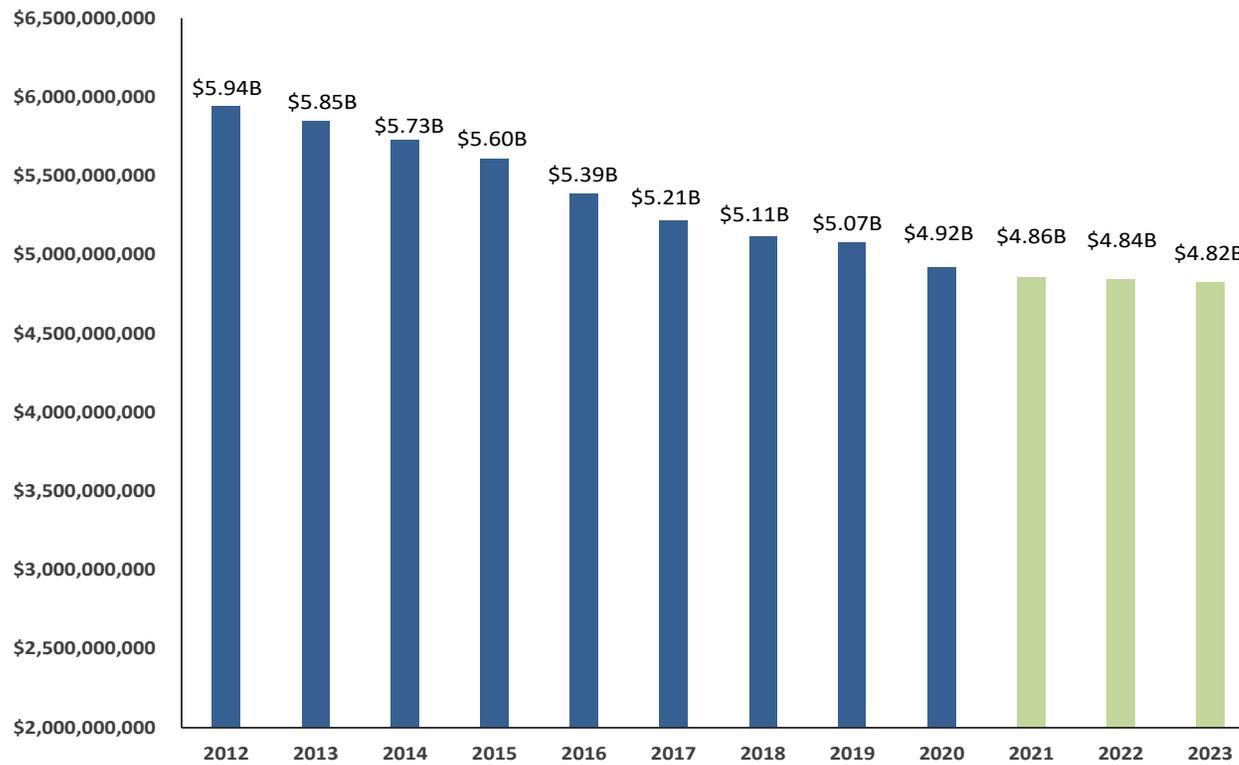
Level of MWRA Indebtedness





Level of MWRA Indebtedness

Outstanding Debt on June 30 by Fiscal Year
FY12-FY23





Looking Ahead

- Lessons learned from Chelsea Headworks Upgrades
- Continue Asset Protection
- Metropolitan Tunnel Redundancy



FY22 CEB and CIP Next Steps

- Work with the Advisory Board/Conduct Briefings
- Public Hearing (April)
- MWRA Board Hearing (May)
- Staff will present Draft Final Budgets in May
- Staff anticipate FY22 Budget adoptions in June



FY22 Proposed CEB and CIP

***Thank You,
Stay Well!***