


FY 2016 Water & Sewer Rates

Presented by:
The
Department of Public
Works

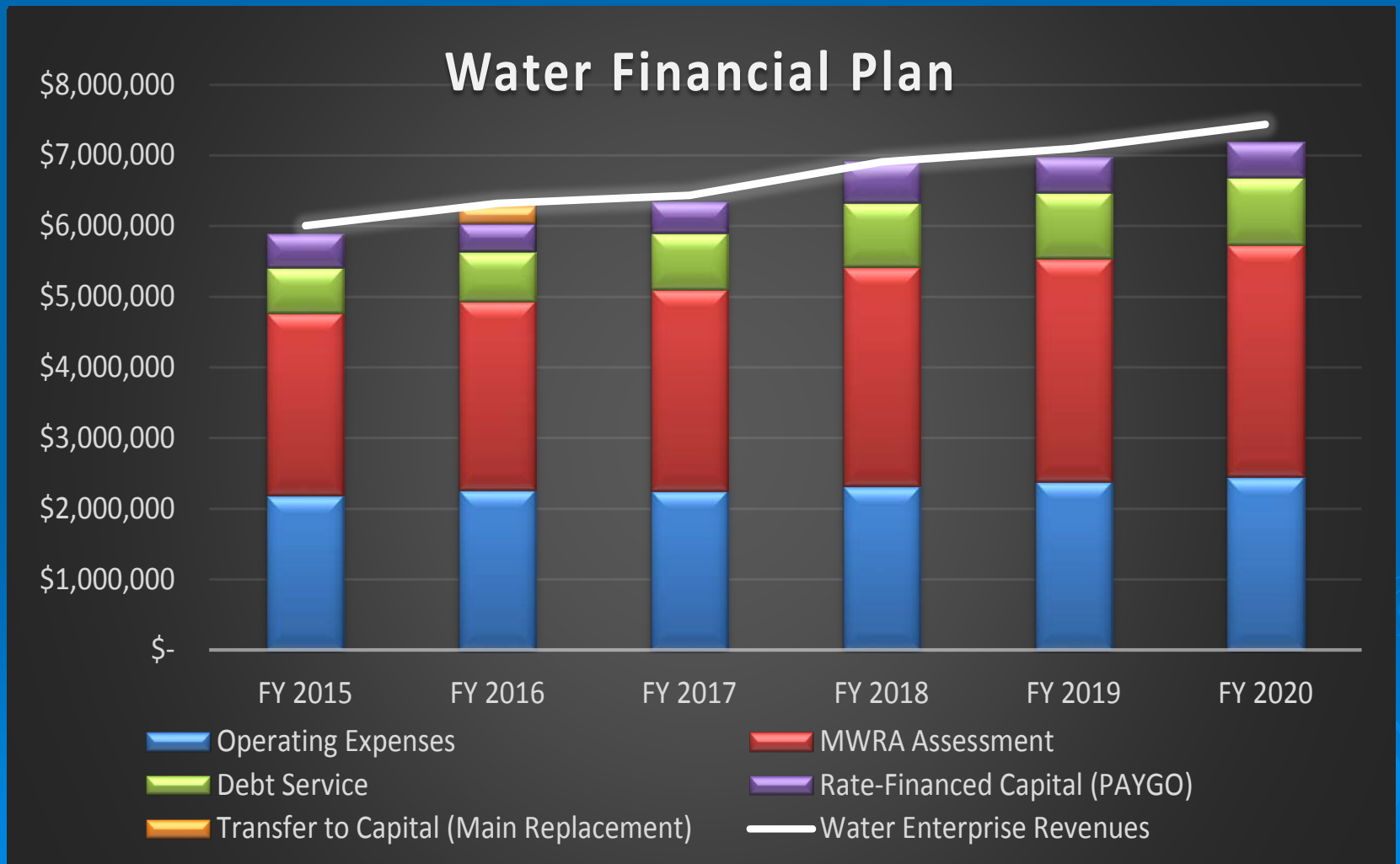
The background of the slide is a solid blue color. In the bottom right corner, there are several concentric white circles of varying sizes, resembling ripples on water. These ripples are positioned in the lower right quadrant of the slide, with one large set of ripples in the bottom right and two smaller sets to its left.

2010 Water & Sewer Rate Study

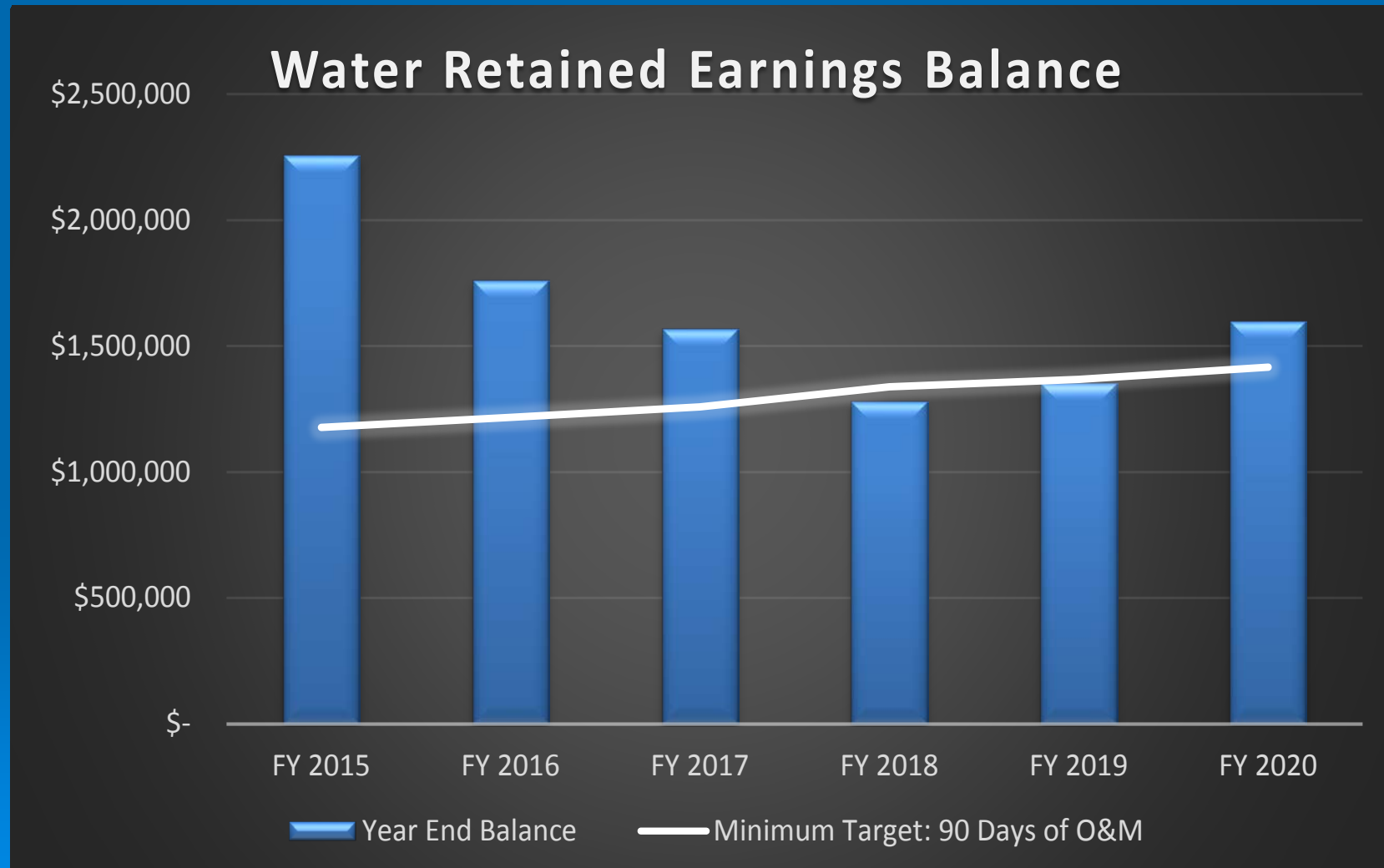
Objectives

- Customer fairness and equity
- Affordability
- Adequate funding of system operations and maintenance
- Adequate funding of infrastructure rehabilitation
- Adequate funding of debt and contractual obligations
- Maintenance of fund balances to ensure the long term financial and operational stability of the utility
- Compliance with environmental regulations, state and federal laws

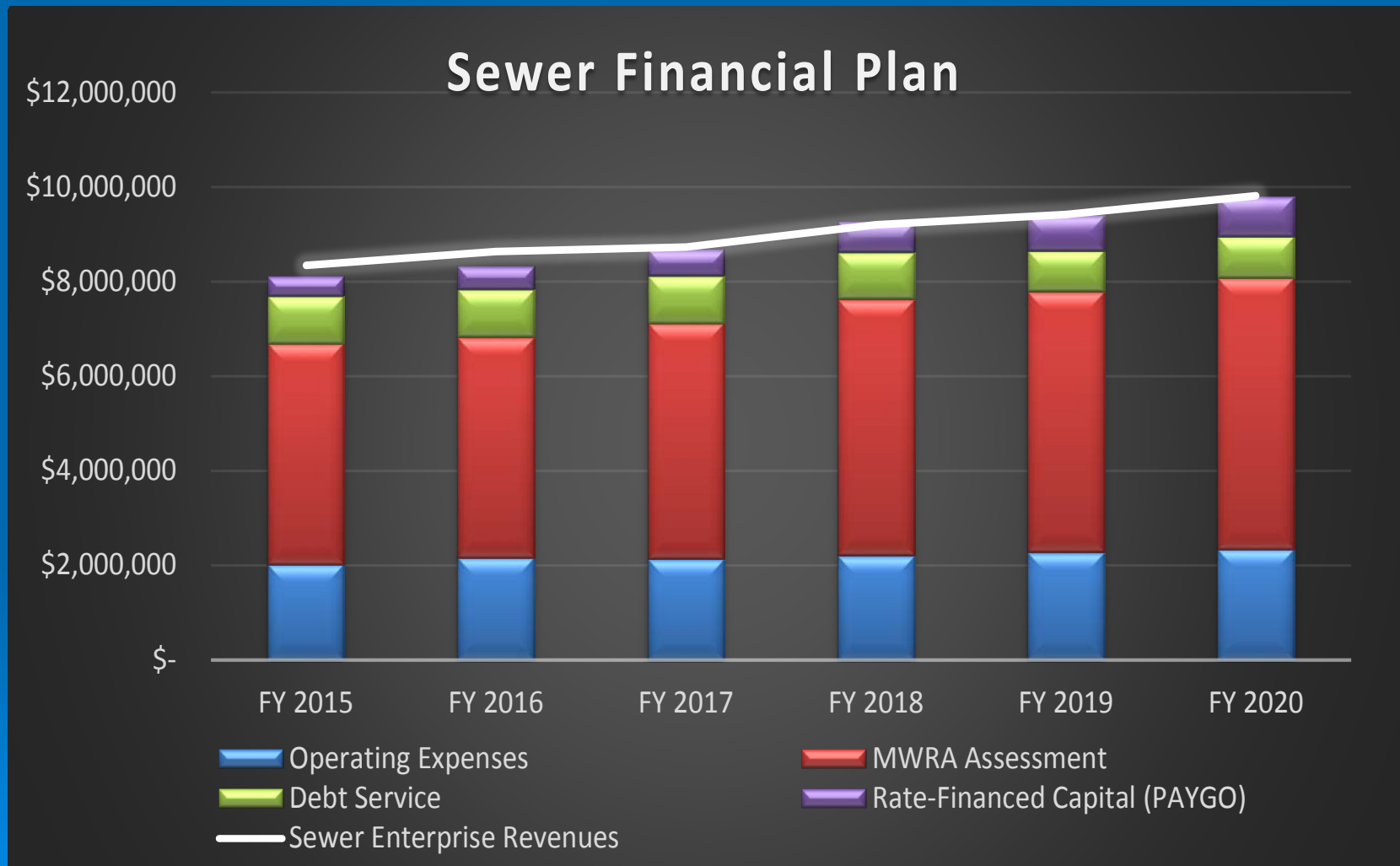
Water Financial Plan



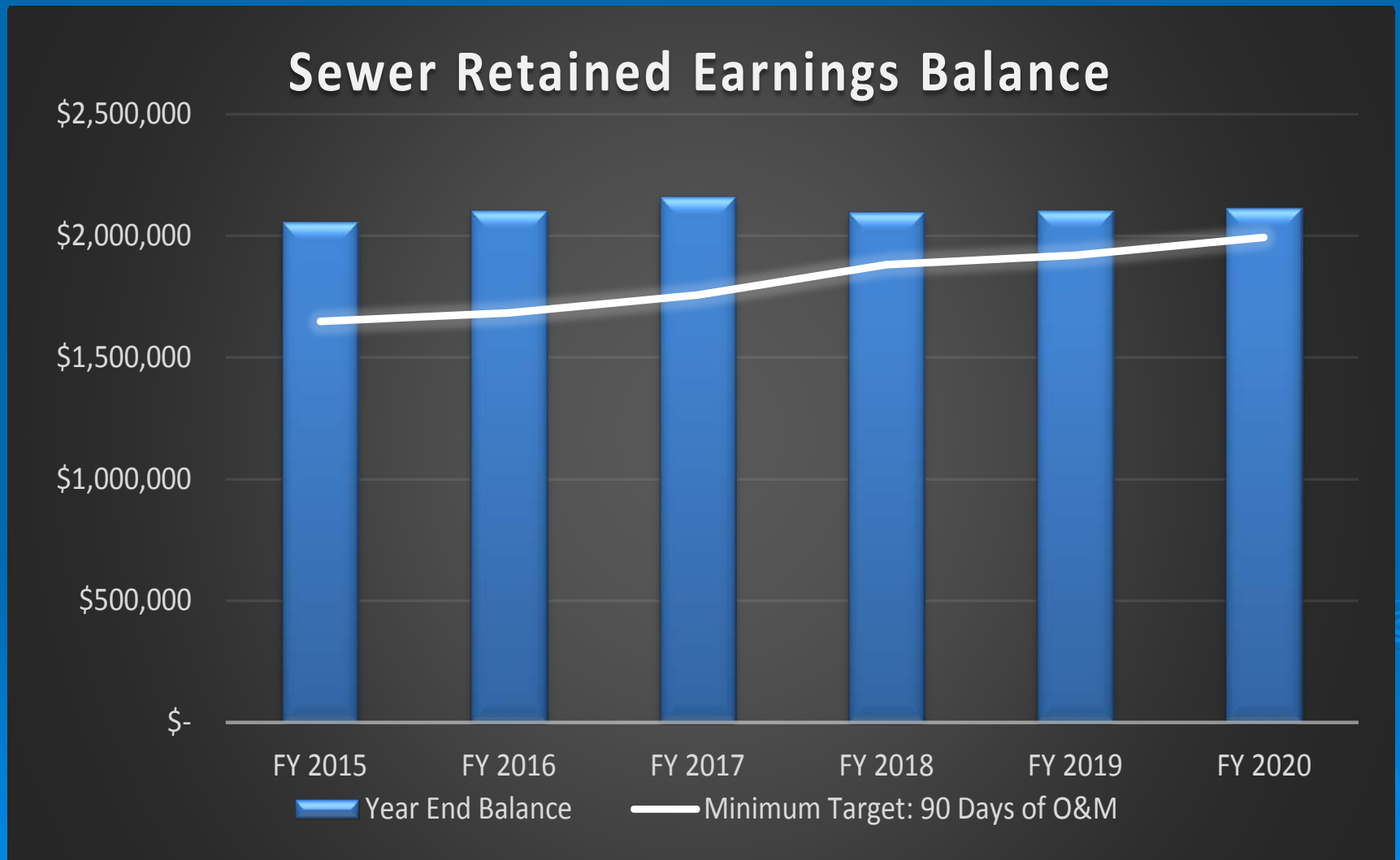
Water Retained Earnings



Sewer Financial Plan



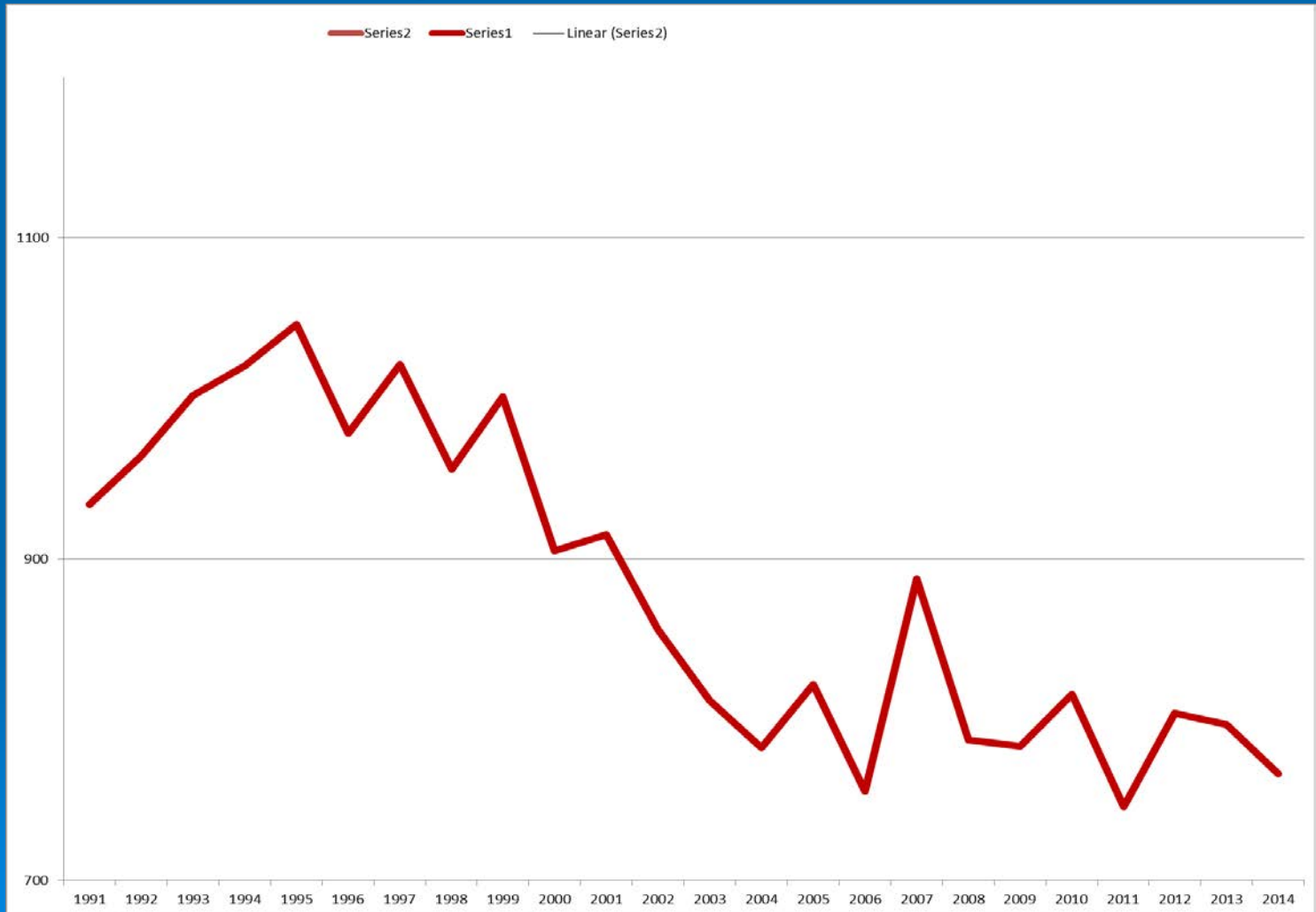
Sewer Retained Earnings



Belmont Annual Water Consumption 1991-2014

BELMONT

Year	Community Water Consumption Total Water Use (MG)
1991	934
1992	964
1993	1,002
1994	1,020
1995	1,046
1996	978
1997	1,021
1998	956
1999	1,001
2000	905
2001	915
2002	856
2003	812
2004	783
2005	822
2006	755
2007	888
2008	787
2009	784
2010	816
2011	746
2012	804
2013	797
2014	767



MWRA Assessments

Water

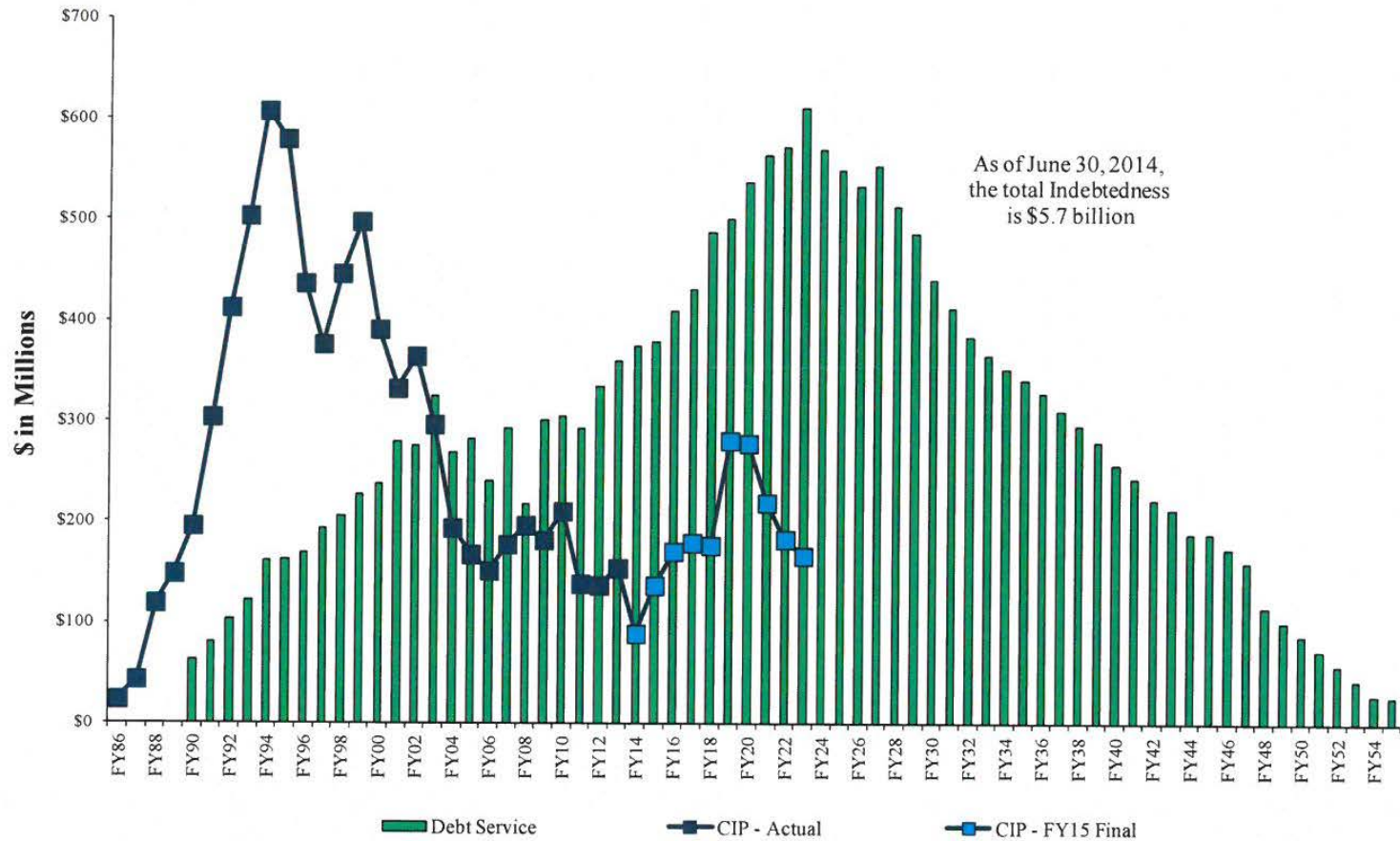
- Based on total MWRA budget share for each community for total water use for the most recent calendar year

Sewer

- Based on total MWRA budget share for each community for three year average of wastewater flow and population



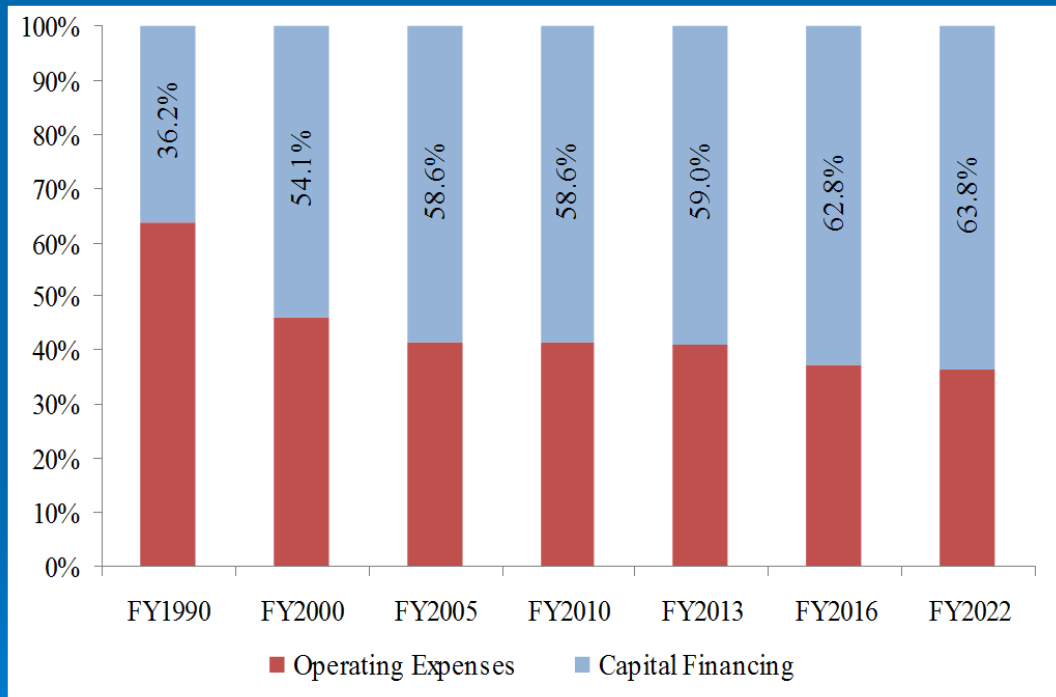
MWRA Capital Improvement Spending & Debt Service



MWRA Debt as Percent of MWRA Expenses

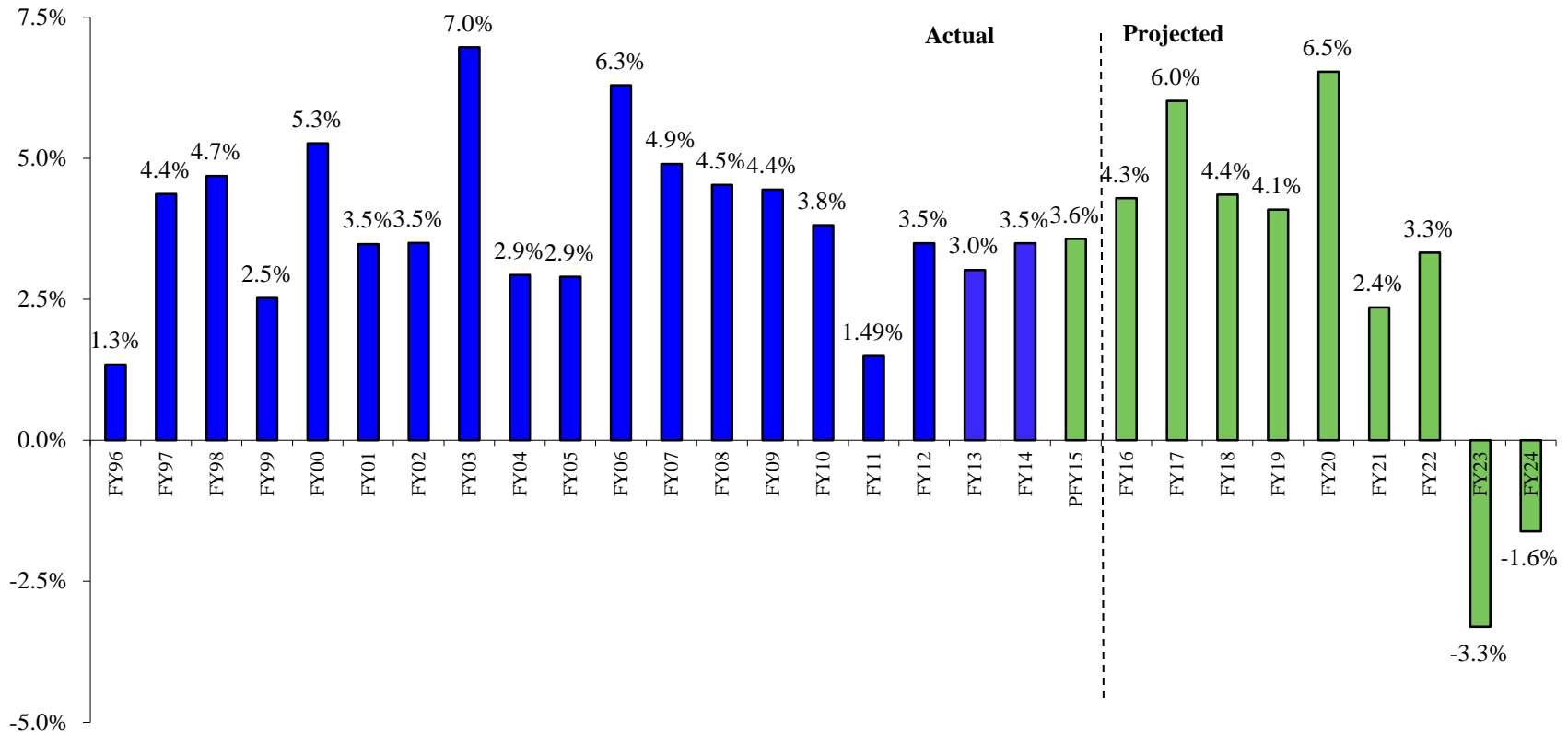
These five initiatives account for nearly \$6.0 billion or 76% of spending to date:

- Boston Harbor Project - \$3.8 billion (in use)
- Combined Sewer Overflow - \$853 million (32 of 35 projects complete)
- Metro West Tunnel - \$697 million
- Carroll Water Treatment Plant - \$415 million
- Covered Storage Facilities - \$232 million



MWRA Historical and Projected Rates

Historical and Projected Rate Revenue Changes



Belmont's Capital Infrastructure Reinvestment

Water Budget

- Program to replace water main installed prior to 1928 began in 1995
- Of 91 miles of main the program replaces 38 miles or 42% of system
- To date 24.0 miles have been replaced or 63.2% of planned total

Sewer Budget

- Focus on water quality improvements, infiltration/inflow removal and system upgrades
- Replaced two existing pump stations, Winn Brook project – new pump station with surcharge mitigation improvements

FY 2016 Water & Sewer Rate Recommendation

Water

- Recommend all water fees be increased by 2.5%

Sewer

- Recommend all sewer fees be increased by 2.6%

Customer Impact

Based on the financial analysis the combined impact for customers is 2.6%