

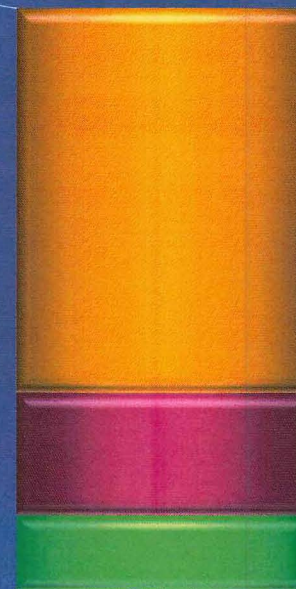
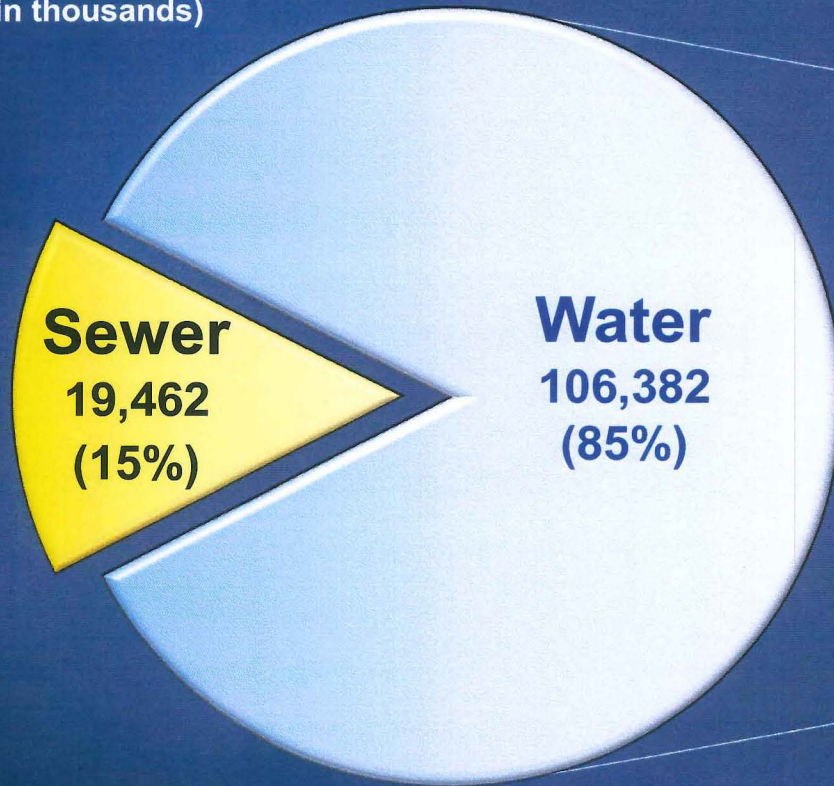
Long Beach Water Department

FY 16 Budget Overview



FY 16 Budget Water Fund Expenditures

(\$ in thousands)



Non
Personal
69,999

Personal
Services
22,935

CIP
13,448

Historical Rate Increases

	2009	2010	2011	2012	2013	2014	2015	2016*
MWD	14%	21%	6%	7%	7%	5%	4%	2%
WRD	3%	19%	13%	19%	0%	10%	0%	6%
LBWD	15%	16%	0%	0%	0%	4%	4%	4%

- **2009 – 2016 cumulative increases**

- MWD - 85%
- WRD - 87%
- LBWD - 50%

* Estimated

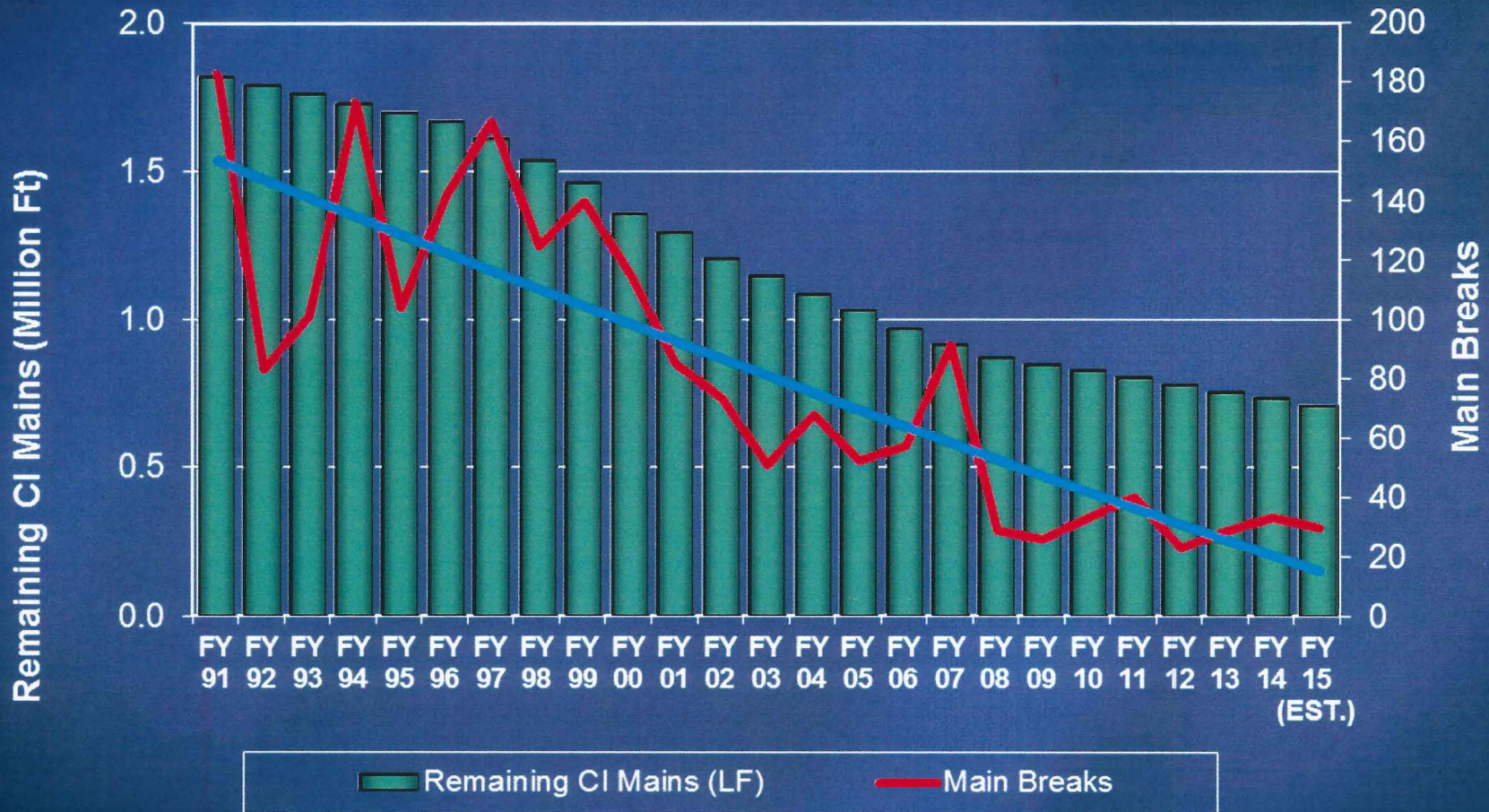
Water Fund

Rate Outlook & Assumptions

	FY 16	FY 17	FY 18	FY 19
Revenues	100,200	106,600	109,800	109,800
Expenditures	106,400	106,100	107,300	109,200
Rate Increase	4%	4%	4%	0%
Ending Fund Balance	12,800	13,200	15,800	16,400

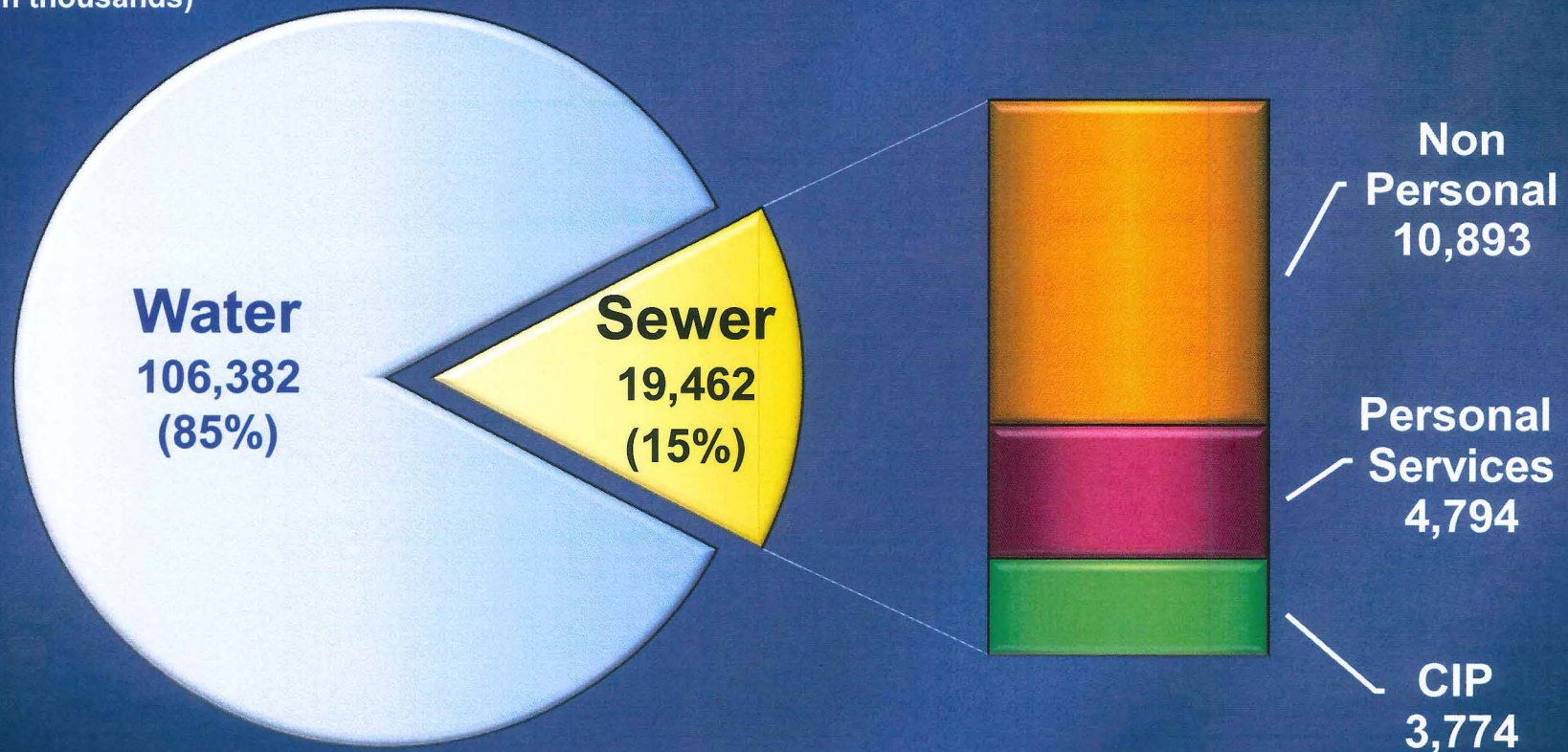
- **MWD Rates**
 - 2.5% – 3.5% in future years
- **WRD Rates**
 - 3.5% in future years

Main Replacement



FY 16 Budget Sewer Fund Expenditures

(\$ in thousands)



Sewer Fund

Rate Outlook & Assumptions

	FY 16	FY 17	FY 18	FY 19	FY 20
Revenues	19,000	19,700	20,500	21,300	21,300
Expenditures	19,500	20,600	20,900	21,100	21,400
Rate Increase	4%	4%	4%	4%	0%
Ending Fund Balance	7,400	6,500	6,100	6,200	6,100

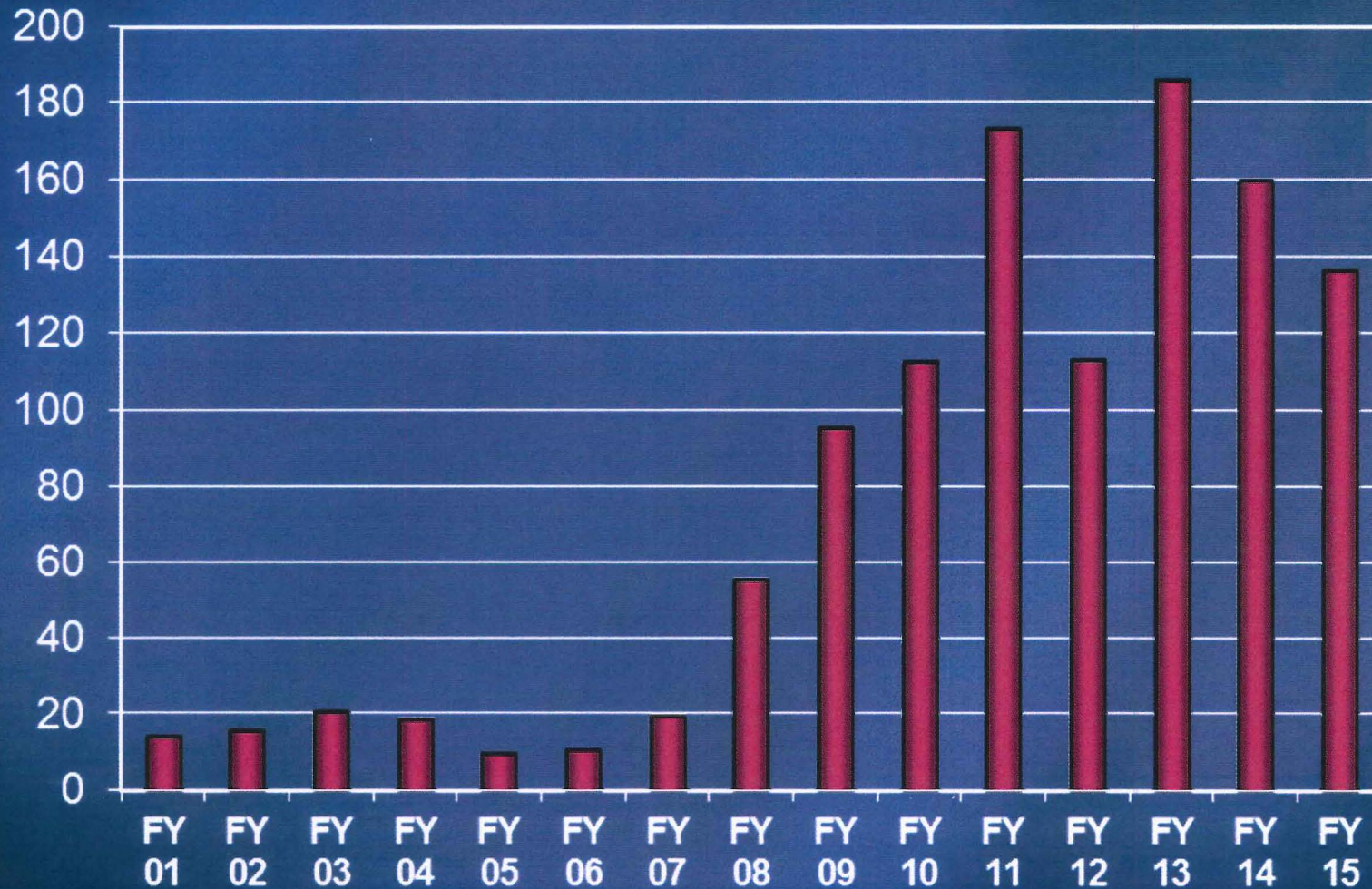
- **FY 17**

- 100% paygo CIP
- Approximately \$1 million debt service payments begin

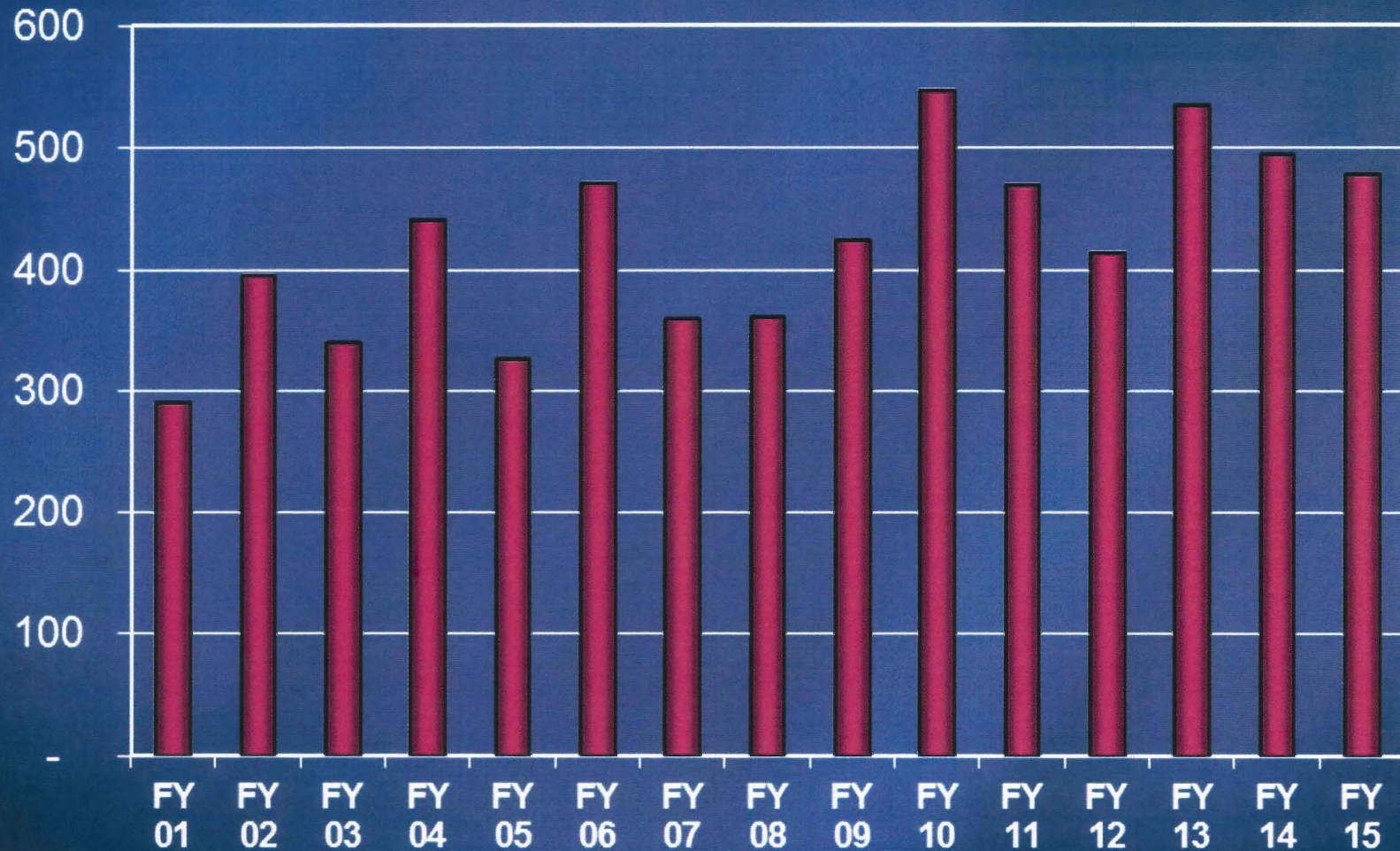
Obstructed Pipe: Sewer Overflow Prevention

- Fats, Oils and Grease (FOG) program
- More Targeted Cleaning Operations
- Smart Covers
 - 58 potential overflows detected and averted in past 6 years

Sanitary Sewer Miles CCTVd



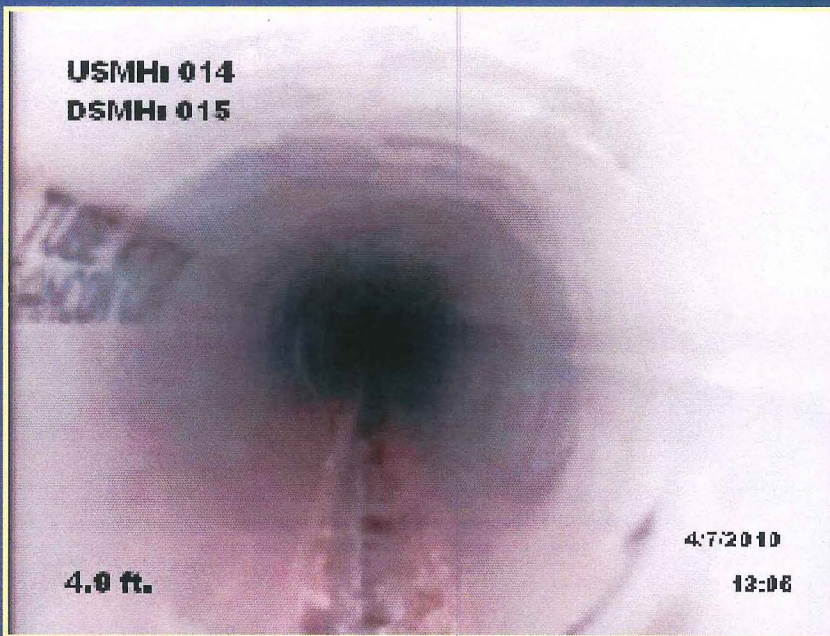
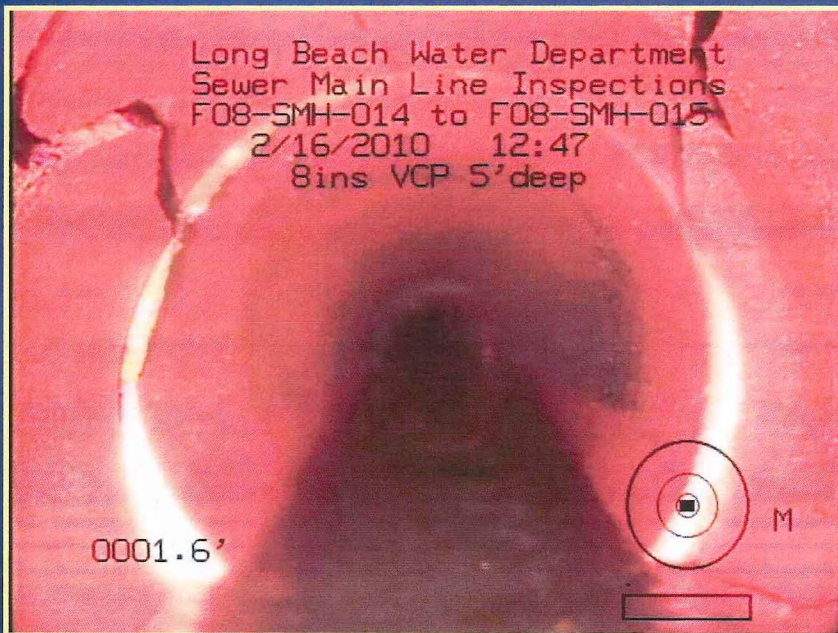
Sanitary Sewer Miles Cleaned



Damaged Pipes: Relining vs. Replacement

Cracks

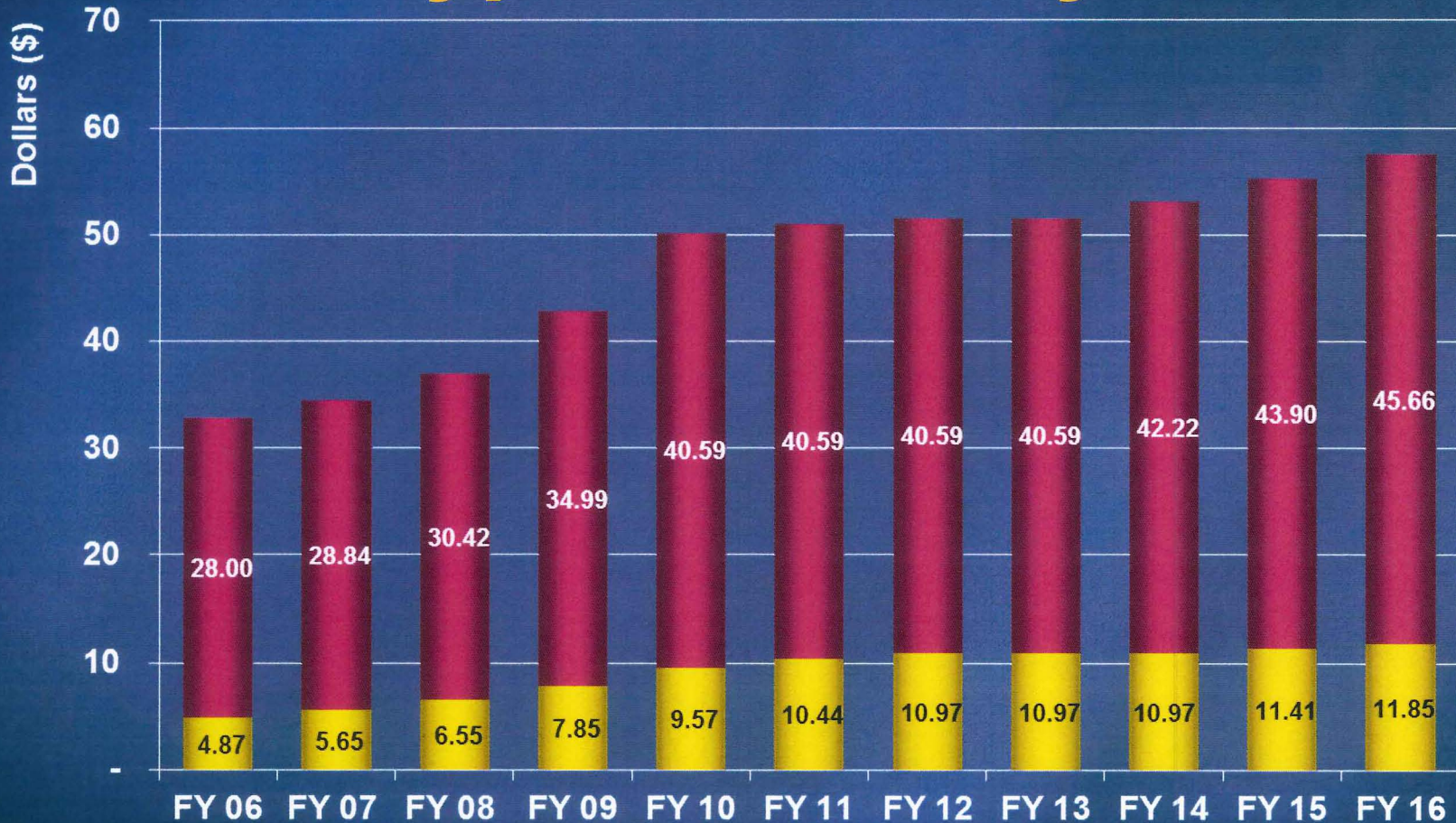
Relined Pipe



FY 16 Rates

- **Water – 4% increase**
- **Sewer – 4% increase**

Rate Impact on Typical Monthly Bill



Combined Rate Increase in FY 16 – \$2.20

Water

Sewer

Combined Rate Comparison



Source: Black and Veatch Rate Study,
5/2015

* Includes Pasadena, Pomona, Los Angeles,
Glendale, Inglewood and Golden State

** Combined Golden State Water & LB Sewer Rates

LBWD