



Combined Sewer Overflow (CSO) and Wastewater Capital Improvement Plan (CIP)

CSO Program Goals

- CSO Compliance
- Maximize Infrastructure Renewal
- Reduce Risk
- Increase Level of Service
- Implement Cost Effective Projects
- Improve Water Quality

CSO Projects Completed

| | |
|--------------------|---------------------|
| Mill River CSO | \$4,800,000 |
| Watershops Pond | \$1,200,000 |
| CSO 008 | \$7,900,000 |
| Chicopee River CSO | \$36,000,000 |
| CSO 007 & CSO 049 | \$26,800,000 |
| CSO 008 Phase II | \$1,200,000 |
| CSO LTCP | \$10,000,000 |
| TOTAL | \$87,900,000 |

Planned Wastewater Project Costs

| | |
|------------------------------|----------------------|
| 2012-2031 CSO | \$136,000,000 |
| 2012-2031 Wastewater | \$82,600,000 |
| 2032-2052 Wastewater | \$233,000,000 |
| Total Estimated Costs | \$451,600,000 |

USEPA/MADEP Guidelines state 2% MHI for CSO Control

Rate Impacts

2011 Average Sewer Bill: \$352

2011 Springfield MHI is \$36,700

\$350 is <1% of MHI today
 \$750 is 2% of MHI today

Rate Trends*: 2032 Estimated Household Sewer Bill \$1150 (2% MHI). Annual Average Rate Increase between 8 -10% for 20 Consecutive Years.

* Does not include water rates



CSO Regulations

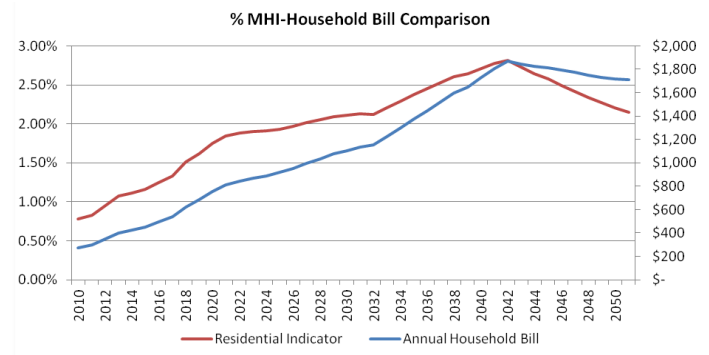
- US Environmental Protection Agency
- Massachusetts Department of Environmental Protection
- Clean Water Act Prohibits Sewage Discharge
- Massachusetts CSO Policy provides framework for development of CSO Program
- Administrative Consent Order: Program Driven Regulatory Authority
- Final Long Term CSO Control Plan: Defines CSO, and WWCIP Program and Compliance

The Commission is required to comply with CSO regulations. No guaranteed Federal Funding is available for this Program.

USEPA/MADEP CSO Control Objectives

- Eliminate CSO if Possible
- Reduce CSO Volume by 85%
- Limit Overflows to 4/Year
- Meet Water Quality Standards 95% of the Time

The Commission has developed the most cost effective program for CSO compliance and implementation based on a comprehensive evaluation of more than 200 alternatives. Program implementation will reduce annual CSO volume by 477 million gallons. To provide more measurable water quality benefits to the Connecticut River, stormwater discharges and runoff will also have to be managed.



USEPA & MADEP Guidelines have established that the limits of affordability for CSO Projects are reached when the Household Bill for Wastewater is 2% of MHI