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# CSO Program Stakeholder Workgroup: Meeting #8 System Master Plan Control Options

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City Hall – Council Chambers  
September 6, 2012



# Welcome & Introductions

- City Representatives
  - Julia Forgue – Director of Utilities
- CH2M HILL
  - Peter von Zweck – Project Manager
  - Becky Weig – Public Involvement
  - Jen Reiners – Water Resources Engineer
- Stakeholder Workgroup Participants

# Meeting Agenda

- Overview of the Program Schedule
- Approval of Previous Minutes
- Parking Lot Follow-up Items
- Key Meeting Topics
  - SMP scenario discussion & results
  - Discussion of top rated scenario(s)
  - Development of final scenario for draft SMP
- Future Meetings, Wrap-up, Comments

# Objective for This Meeting

*The objective for this meeting is to collect comments from stakeholders on a preferred SMP scenario and any alterations to the scenario for draft SMP development.*

# CSO Program Goals

*Continue to identify & implement the most cost-effective solution for reducing the number of CSOs to a level protective of Newport Harbor and acceptable to the community and regulatory agencies.*

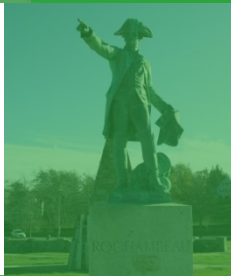
# Strategy to Achieve the Goals of the CSO Program

1. Comply with EPA and RIDEM negotiated CAP requirements
2. Achieve reasonable application of water quality standards
  - Protect King Park Beach
  - Determine the best use of the Washington St. CSO Facility
3. Maximize use of existing facilities
4. Prioritize capital repair & replacement projects
  - Invest in sewerage system for next generations
5. Control Operations & Maintenance (O&M) requirements - (minimize need for new capital facilities)
6. Identify a program & an implementation schedule that is affordable to Newport customers



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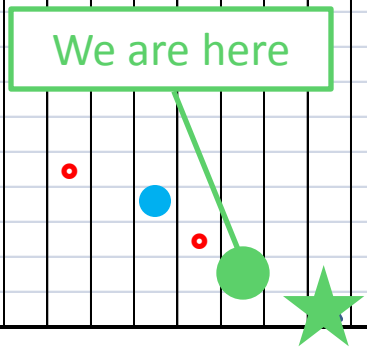
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# OVERVIEW OF THE STAKEHOLDER WORKGROUP

# Schedule of Stakeholder Meetings

	2011												2012											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Meeting #1 - Overview		●																						
CSO System Tours			●																					
Meeting #2 - Metering & Extraneous Flow Investigations				●																				
Meeting #3 - GIS, CMOM & WPCP							●																	
Meeting #4 - Harbor Water Quality								●																
Meeting #5 - Financing & Rates										●														
Meeting #6 - Alternatives Evaluation Process														●										
Meeting #6a - Alternatives Evaluation Process Cont.															●									
Meeting #6b - Alternatives Evaluation Process Cont. (if needed)																		●						
City meeting with EPA & RIDEM (July 16, 2012)																			●					
Meeting #7 - Draft Collection System Capacity Assessment & SMP																								
Meeting #8 - Updated SMP																								
SMP - Final to EPA																								



The first 5 meetings focused on existing conditions in the collection system, the harbor and rates.

The last 5 meetings focus on future conditions including: evaluation criteria, technologies, expected benefits, costs and implementation schedules.



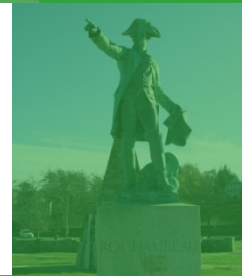
# Stakeholder Workgroup Mission Statement

- To review proposed plans and projects for the Program and provide recommendations to the City about the potential benefits and impacts of proposed plans and projects to all users of the system.
- To share Program plans and project information with each stakeholder's organization to aid the City in its efforts to communicate Program information.
- To support the Program's public education efforts through participation in public education activities.



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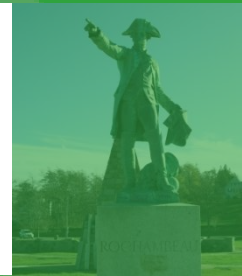


# PREVIOUS MEETING'S MINUTES



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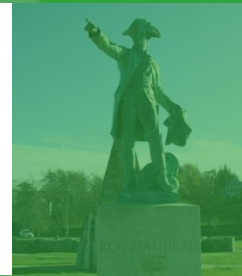


# PARKING LOT FOLLOW-UP ITEMS



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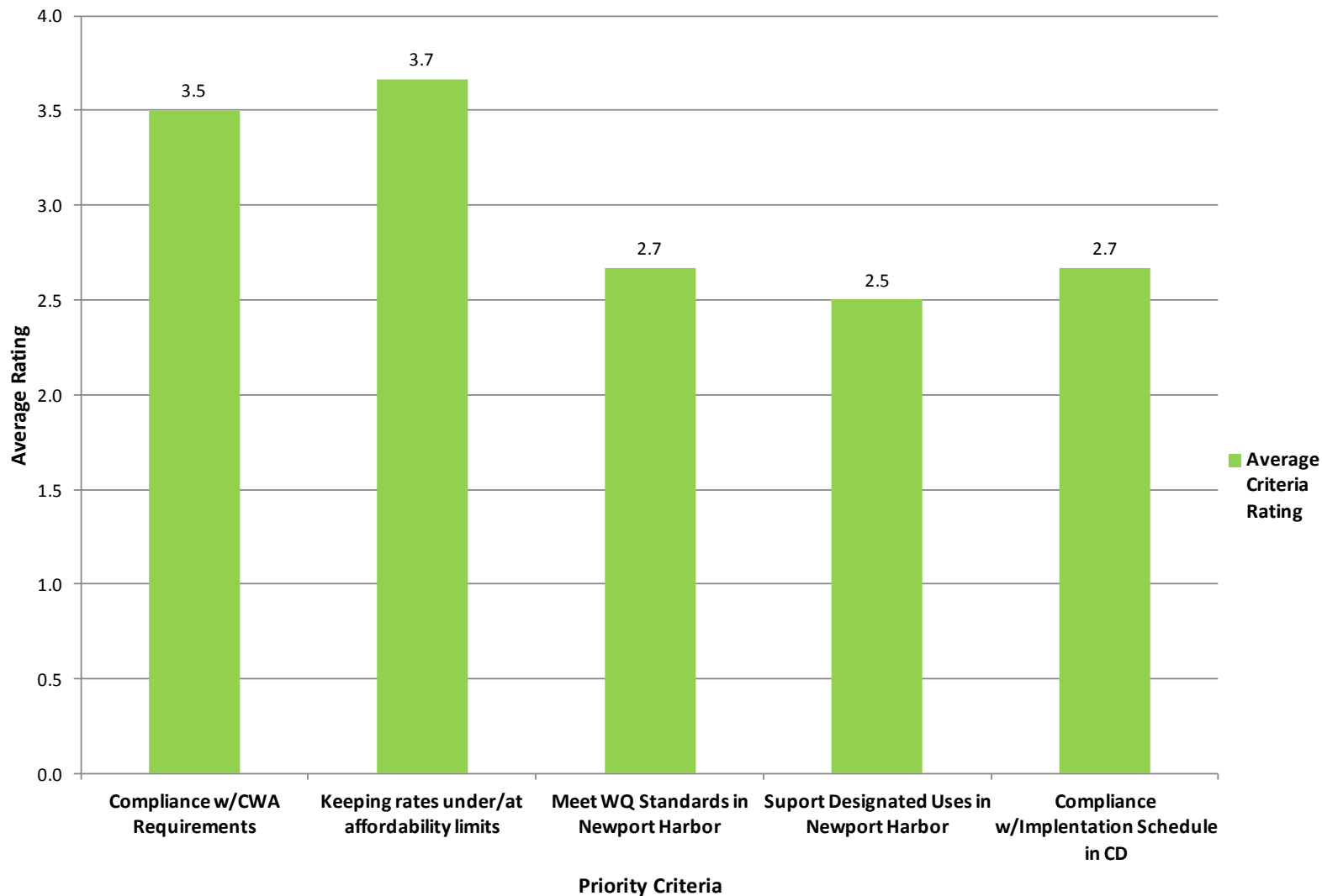
# STAKEHOLDER SURVEY DISCUSSION & RESULTS

# Discussion of Stakeholder Survey

- Purpose: To identify the SMP scenarios that stakeholders believe will best achieve stakeholder priorities & program goals
- Share with the group:
  - Highest rated priority criteria & why
  - Highest rated scenario & why

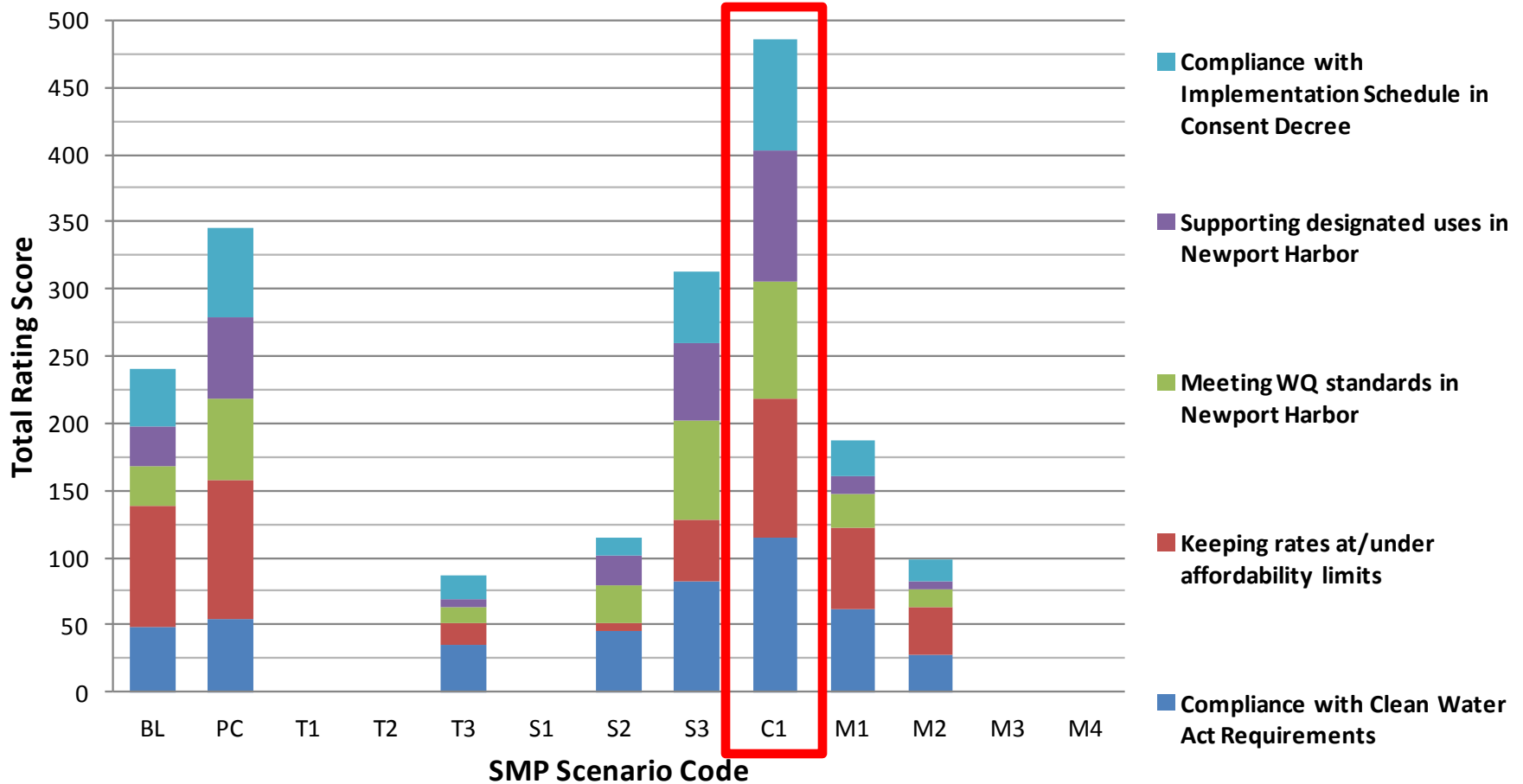
# Results of Stakeholder Survey – Priority Criteria

### Priority Criteria Ratings



# Results of Stakeholder Survey – SMP Scenarios

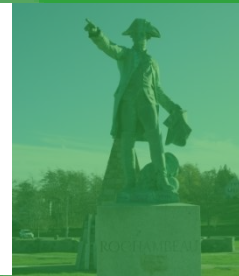
## SMP Alternatives Survey





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# DISCUSSION OF TOP SMP SCENARIO & SELECTION FOR DRAFT SMP

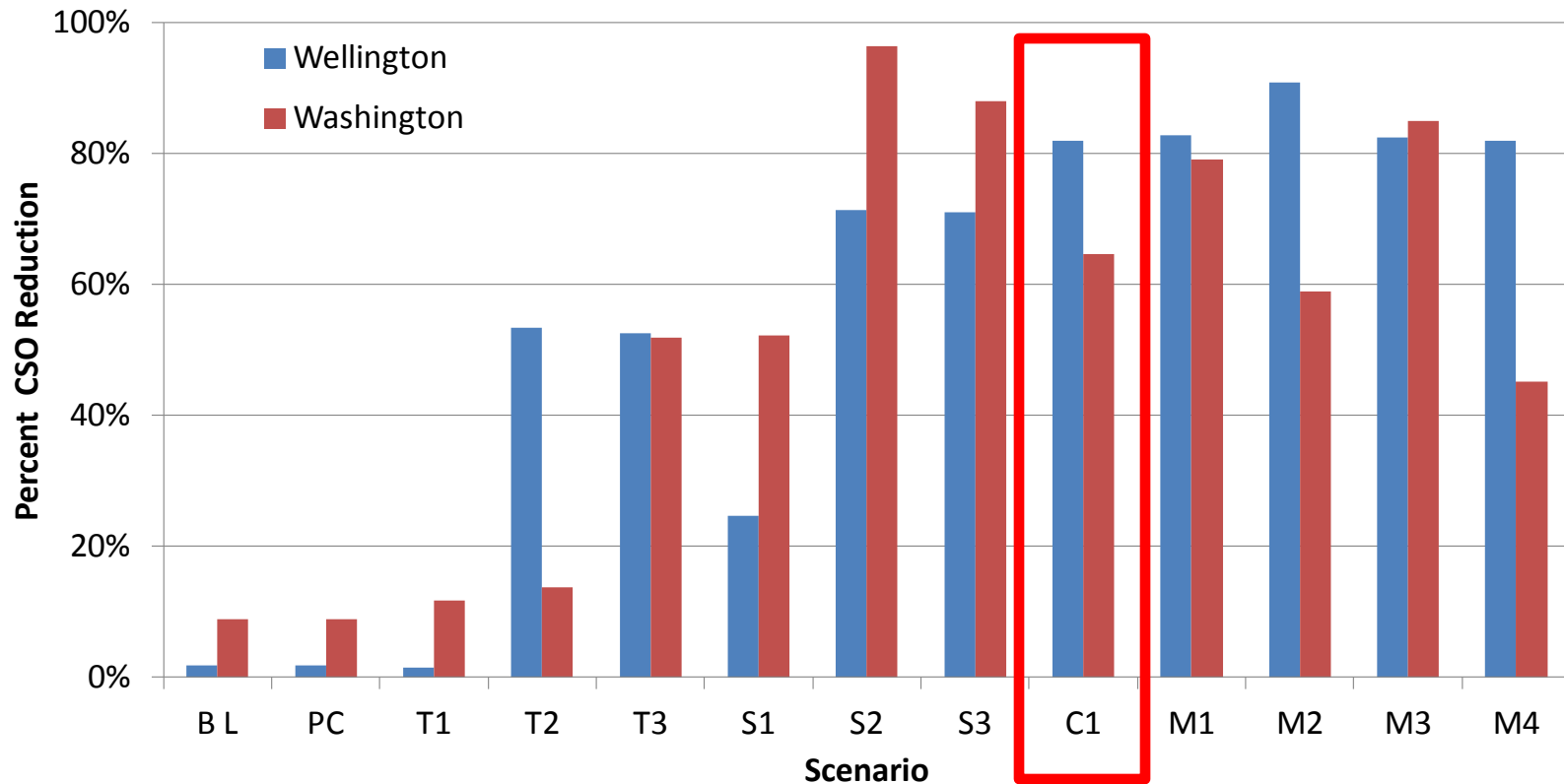


# Top Rated SMP Scenario – C1

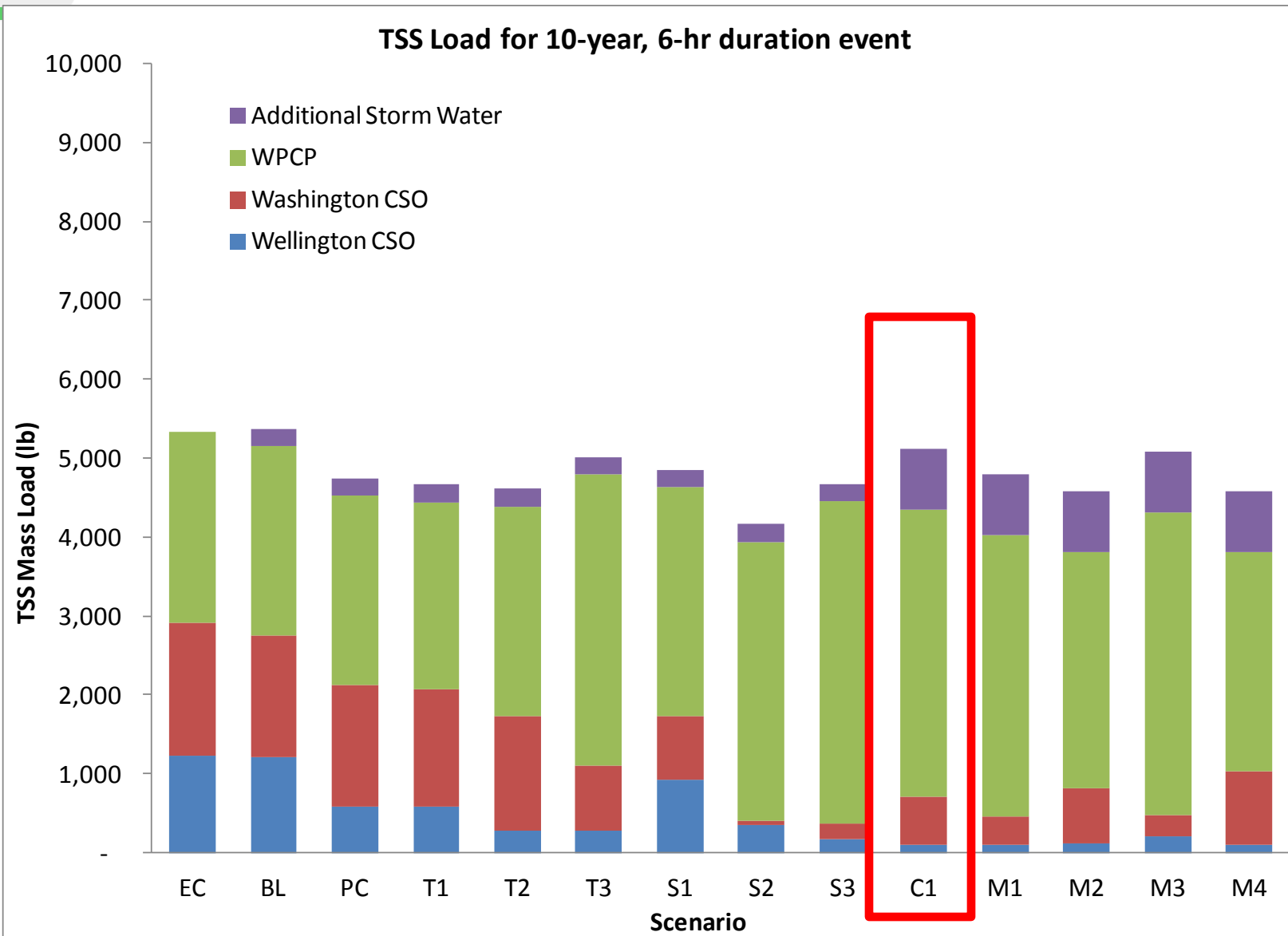
- Components:
  - Baseline projects
  - WPCP upgrades & expansion
  - Conveyance Improvements
  - I/I Reduction via Downspout Disconnections
- Advantages:
  - Improves and manages O&M costs
  - Almost achieves elimination at Wellington CSO Facility for 10-year storm
  - Good \$/gallon CSO removed
- Disadvantages:
  - Requires high level of I/I removal on private property for downspout disconnection
  - Does not achieve CSO elimination at Washington for even 2-year storm

# Water Quality Benefits for Scenarios – Reduction in Volume for 10yr, 6hr

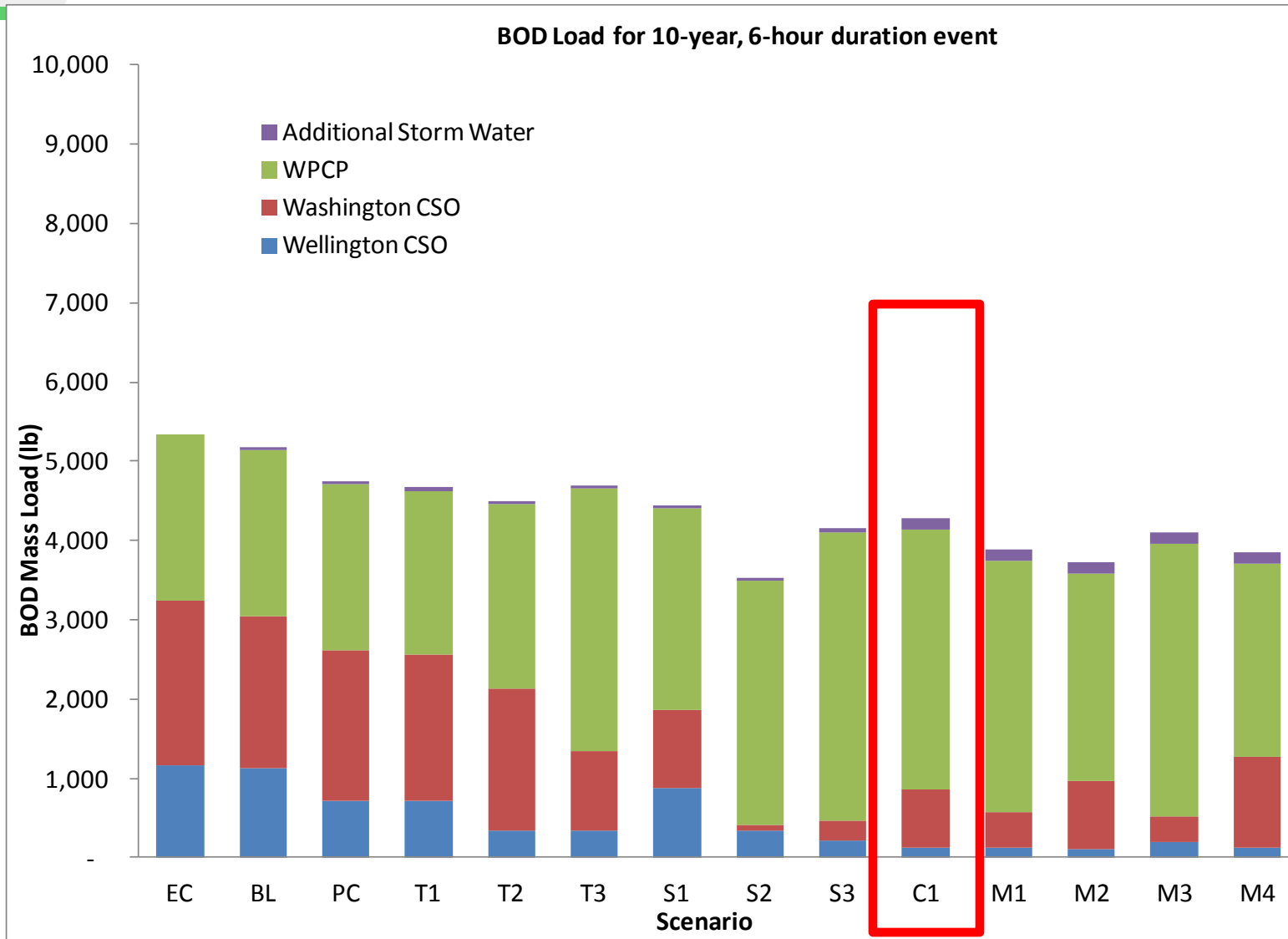
## CSO Overflow Percent Reduction 10-Year, 6-Hour Duration Event



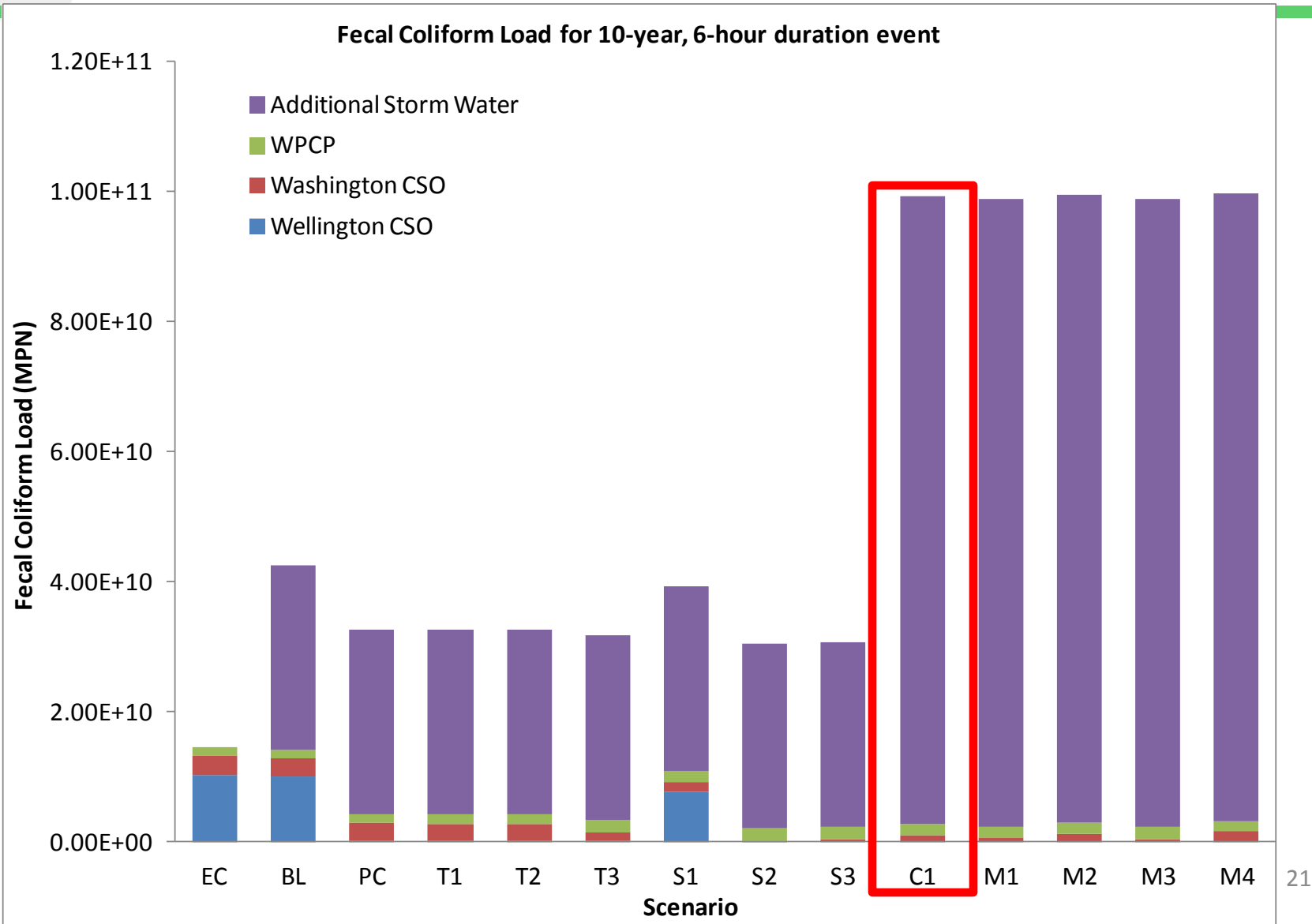
# Water Quality Benefits for Scenarios – TSS Load for 10yr, 6hr



# Water Quality Benefits for Scenarios— BOD Load for 10yr, 6hr



# Water Quality Benefits for Scenarios – Fecal Coliform Load for 10yr, 6hr



# Discussion of Top SMP Scenario & Selection for Draft SMP

- Share with the group:
  - What you like about the top scenario
  - If desired, what you would alter on the top scenario
- Following discussion, as a group, identify the preferred scenario (with alterations, if desired) to be evaluated for the draft SMP

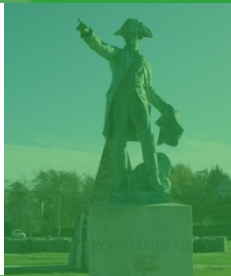
# Next Steps for the SMP

- Evaluate selected scenario
  - Mix of controls
  - Facility sizes
  - Run a typical year
  - Recalculate loads
- Prepare Implementation Plan
  - Strategies for implementation
  - Schedule for construction
  - Determine rate impacts



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NEXT MEETING



# Next Meeting

**Topic: System Master Plan Draft**

- Recommended Controls
- Program Costs
- Implementation Strategies
- Implementation Schedule

**Date: September 27, 2012**

**Time: 3:00 PM**

**Location: Council Chambers**