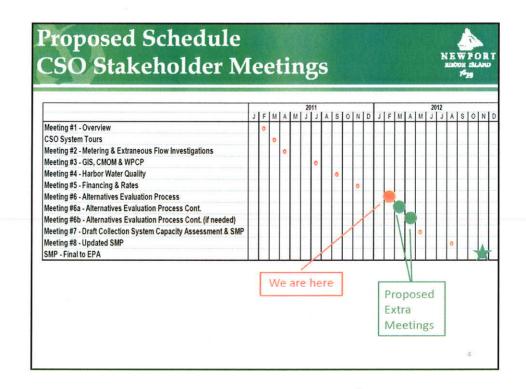
CSO Program Stakeholder Workgroup Mission Statement



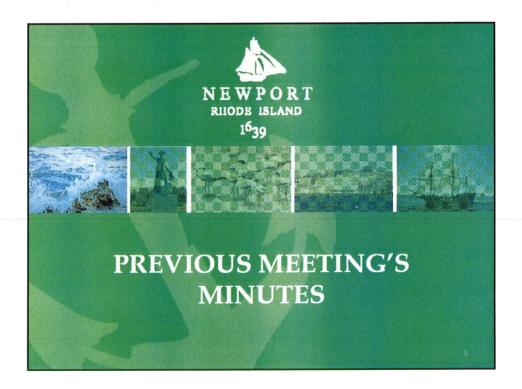
- To review proposed plans and projects for the CSO Program and provide recommendations to the City about the potential benefits and impacts of proposed plans and projects to all users of the system.
- To share CSO Program plans and project information with each stakeholder's organization to aid the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

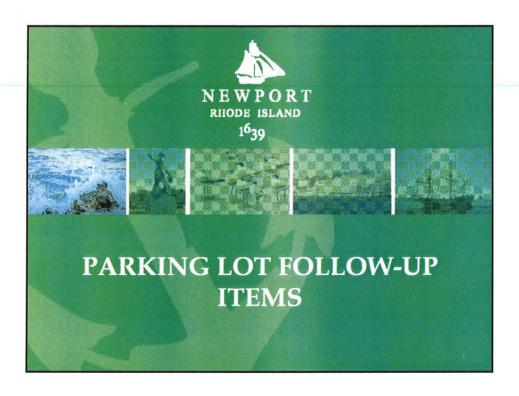


Proposed Meeting Agenda



- Overview of the CSO Program Schedule
- Approval of Previous Minutes
- Parking Lot Follow-up Items
- Key Meeting Topics
 Alternatives Evaluation Process
 Exercise on Identifying Priorities
- Questions
- Future Meetings





Parking Lot Question #1



Is there an update on the number of verified catch basins?

Summary of Catch Basin Inspections Status					
Category	February 2011	May 2011	February 2012		
City of Newport					
Connected to Sanitary Sewe	27	36			
Connected to Storm Drains		911	1,622		
Not yet confirmed	2,895	1,957	735		
Subtotal	2,895	2,895	2,393		
Owned by others					
Connected to Sanitary Sewer	rs		2		
Connected to Storm Drains			115		
Not yet confirmed			272		
Subtotal			389		
Total	2,895	2,895	2,782		

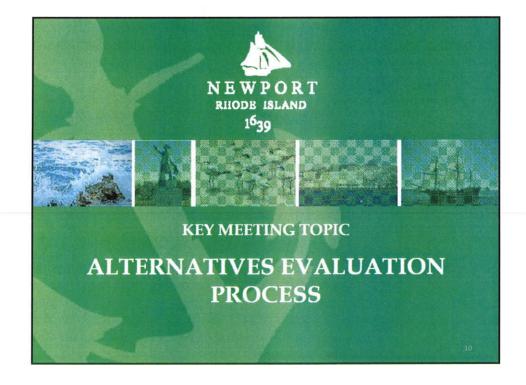
¹ Counts are based on the inventory in the GIS – which changes as inspections are performed.

Parking Lot Question #2



Can an update on system improvements (WPCP, I/I removal, etc.) be provided?

- A large number of improvements were made at the WPCP and in the collection system during 2011.
- The Department of Utilities has plans to design and/or start additional improvements in 2012.
- See handout for a concise summary of completed and proposed improvements.



Objectives for this Meeting



The objective of this meeting is to collect your initial input toward prioritizing the criteria that will be used for evaluating proposed solutions.

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Group Exercise Weighting of Evaluation Criteria



Objective of Exercise

- Rank the relative importance of evaluation criteria Perspective
- Evaluate importance for the constituents you represent Rules for Weighting
- Score each evaluation criteria using a scale of 0 to 10
- 10 -> highest importance
- 0 -> not at all important

Agenda Topics for Alternatives Evaluation Process



- Overview of Regulatory Framework
 - · Required Documents
 - Sequence / timing of documents
- Factors Affecting Selection of Recommended System Improvements
 - Regulatory
 - WQ Benefits
 - Social Impacts
 - · Costs and Affordability
- Exercise on Preferences for Evaluation Criteria

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Regulatory Documents that Outline CSO Planning Requirements and Strategies



Clean Water Act

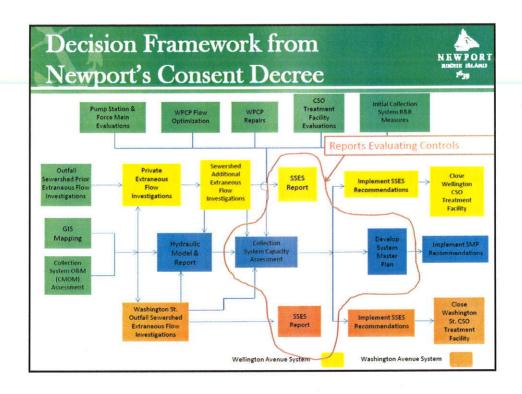
- Meet water quality standards
- Support designated uses

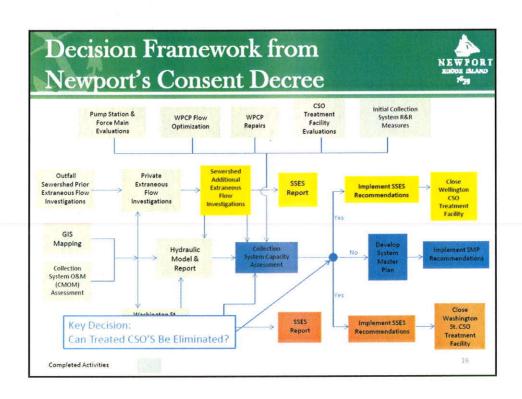
EPA CSO Policy

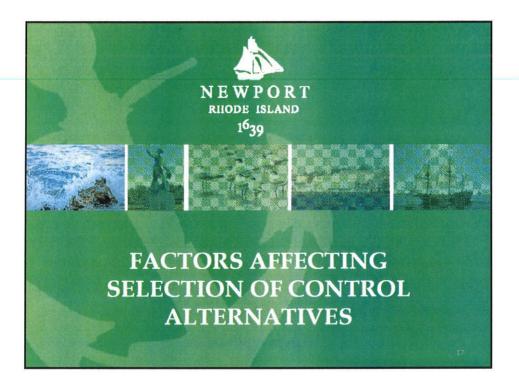
- Eliminate or relocate CSO discharges to "sensitive use" waters
- "Equivalent primary treatment" is allowable for CSO discharges
- · Maximizing flow to the WPCP is a required

Consent Decree

 Dictates the deliverables and schedule of activities for the City of Newport to meet its regulatory requirements







CSO Program Goals



Continue to identify and 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.

From Presentation to Newport City Council by CH2M HILL on March 2011

Factors Affecting Selection of Recommended Controls



- Regulatory Requirements
- · Water Quality Benefits
- Social/Community Impacts
- · Costs and Affordability
- Exercise on Weighting of Priorities

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Regulatory Issues Affecting Controls



Newport's system has historically been treated by EPA and RIDEM as a "combined" system

- Newport's pipes were designed to carry storm water during wet weather
- Newport has storm drains connected to pipes designed to carry wet weather flows
- · Newport has permits for 2 wet weather treatment facilities
- WPCPs serving combined sewer systems may receive a waiver from 85% removal provisions in NPDES permits

Key Issues for Separate Sewer Systems

- Wet weather discharges, treated or untreated, from separate sanitary sewer systems are illegal
- All flows from separate sanitary sewer systems must receive full secondary treatment (CSO treatment facilities are not allowed)

Water Quality Role in CSO Planning NEWFORD



- Permittees should develop Long-Term Control Plans (LTCP)
 to meet the water quality-based requirements of the
 Clean Water Act 1
- Permittees should give priority to environmentally sensitive areas. ¹
- · Sensitive areas include:
 - National Marine Sanctuaries
 - Waters with threatened or endangered species or their designated critical habitat
 - Primary contact recreation waters, such as bathing beaches
 - Public drinking water intakes or their designated protection areas
 - Shellfish beds

¹ EPA CSO Guidance for Long-Term Control Plans

Newport's Harbor Water Quality Monitoring Data



Year	Total Samples Collected	Total Enterococci Exceedances+	Enterococci Exceedances Associated w/ Rainfall (but No CSO Event)	Enterococci Exceedances within 2 days of a CSO Event	Enterococci Exceedances Preceded by at least 24 hrs of Dry Weather
2008*	130	9	0	6	3
2009	530	4	1	1	2
2010	520	10	4	5	1
2011*	300	2	2	0	0
Total	1480	25	7	12	6

*2008 & 2011 are partial years.

Summary of Newport's Water Quality Issues



- No raw sewage is discharged by City of Newport
- Wet weather discharges occur only at 2 RIDEM permitted treatment facilities
- The designated uses for the Harbor are SB and SB1 fishable/swimmable
- Analysis of water samples collected in the harbor shows that uses are not impaired due to CSOs
- State of Rhode Island reports that designated uses are "fully supported" ¹ with the exception of nonrelated contaminated sediments issue

¹ State of Rhode Island, 2010 303(d) List, List of Impaired Waters, Final July 2011

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Social/Community Impacts



- Reduction of Beach Closures/More Swimming Days
- Associated Public Improvements
- Protection of Public Spaces
- Inconvenience to Private Property Owners
- Reduce In-system Surcharging
- Basement Back-ups & SSOs
- Sustainability



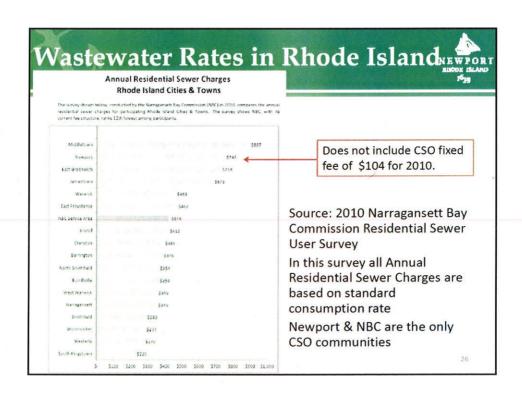


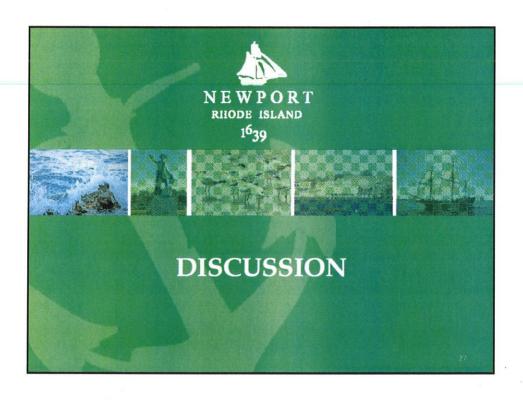
What Financial Burden Can Newport Afford per EPA?

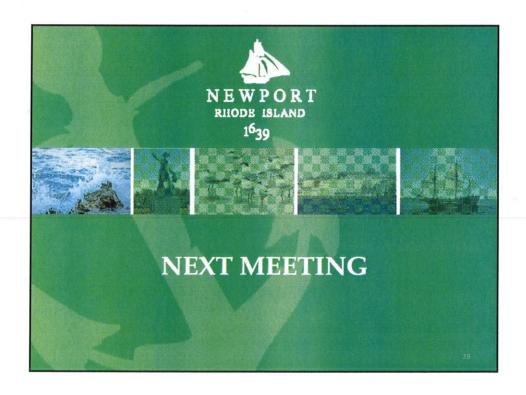


- Newport is classified as Mid-range financial capability
- A High Burden for Newport would be when a household with median income has to spend more than 2% of annual income on all Water Pollution Control costs

	Residential Indicator (Cost Per Household as a Percent of Median Household Income)				
Permittee's Financial Capability Indicators Score	Low (Below 1 %)	Medium (Between 1% and 2%)	High (Above 2.0%)		
Weak(Below 1.5)	Medium Burden	High Burden	High Burden		
Mid- Range (Between 1.5 and 2.5)	Low Burden	Medium Burden	High Burden		
High (Above 2.5)	Low Burden	Low Burden	Medium Burden		







Next Meeting



Topic:

System Behaviors and Control Technologies

Infiltration / Inflow

Conveyance

CSO controls

Date:

March 8, 2012

Date for new meeting

Time:

3:00 PM

Location: Council Chambers

NOTE: If necessary we will schedule a meeting in April.

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Overview of System Behaviors and Control Technologies



Infiltration and Inflow

- Total system inflow by Source
- Relative Contribution of Public and Private Sources
- Variations in Inflow by Location
- Candidate technologies for I/I reduction

Conveyance Characteristics

- Overview of current characteristics
- Candidate technologies for improving performance

CSO Control Projects

- WPCP upgrade
- Storage
- Other

Objective for the March Meeting NEW



The objective of the March meeting is to discuss critical system behavior and technologies best equipped to meet Newport's prioritized evaluation criteria.

