

# City of Newport Beach

## Water Quality/Coastal Tidelands Committee Minutes

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**Date:** February 14, 2013  
**Time:** 3:00 p.m.  
**Location:** Fire Conference Room

### 1. Welcome/Self Introductions

**Committee Members present:**

Chairwoman/Council Member Nancy Gardner  
Council Member Mike Henn  
Dennis Baker  
Tom Houston  
Laird Hayes  
George Robertson  
Louis Denger

**Guests present:**

Jack Skinner, SPON  
Monica Mazur  
Eric Anderson, Valley Soil  
Erin Stetson, Valley Soil  
Jim Mosher, resident

**Staff present:**

John Kappeler, Water Quality Manager  
Shari Rooks, Public Works Specialist  
Dave Kiff, City Manager  
Shane Burckle, Water Conservation Coordinator  
Bob Stein, Assistant City Engineer

### 2. No Previous Meeting Minutes

### 3. Old Business

**(a) Bay and Ocean Bacteriological Test Results**

**Monica Mazur** reviewed recent water quality test results within Newport Bay and along the ocean shoreline.

- January 14, 2013 event in Upper Bay – suspect it was directly related to Hyatt grease trap overflow and related construction
- Samples in the drain matched exactly what was found in the Dunes
- Water Quality has inspected lines and all was clear after their plumber cleaned the lines. Increased maintenance requirements and reporting were imposed.

### 4. New Business

**(a) Bob Stein**, gave a presentation entitled “Rapidly Evolving Environmental Program” (See the attached power point presentation.)

- i. The Public Works Department has an Environmental Program Section. Bob briefly summarized the six components of the environmental program: 1) NPDES Stormwater Program, 2) Water Quality Total Maximum Daily Loads (TMDL’s), 3) recycling, 4) runoff reduction, 5) water conservation, and 6) habitat restoration. Bob said the important issues for each of these programs will be presented at future meetings of this committee.

- ii. Bob reviewed several successful projects and programs where this committee provided direction that resulted in (a) a new regulatory direction (Fecal Indicator Bacteria (FIB) TMDL), (b) development of an independent water quality program (Big Canyon selenium work plan), (c) initiation of a major project (Rhine Channel Dredging), (d) a productive partnership with the Newport Bay Conservancy, and (e) the development of the Big Canyon Restoration concept plan.
- iii. The committee and staff then discussed emerging environmental issue including:
  - Trash
  - Copper Paint
  - Coastal and Harbor Flooding
  - NPDES Stormwater Regulations
  - Dry-Weather Flows
  - Upper Bay Newport Bay Restoration
  - Semeniuk Slough
  - Bight 13 – Regional Water Quality Monitoring Program
  - MPA and ASBS Issues
  - Tiered Water Rates

**(b) Shane Burckle**, gave an update on the **City of Newport Beach’s Water Conservation Program**. (See attached “Reduction Runoff Reduction Program” PowerPoint Presentation)

- i. **Erin Stetson and Eric Anderson**, from Valley Soil presented an update on the City of Newport Beach’s runoff Reduction Program. (See attached PowerPoint Presentation.)
  - After audit, weather-based controllers are installed and adjusted daily for weather conditions.
  - Customers are shown how to adjust, monitor, trouble shoot and use the controllers.
  - Follow up is a very important component of the program to make certain the controller is functioning properly and that the homeowner or gardener hasn’t made any changes.
  - Gardener’s Workshops are an opportunity for customers to meet the manufacturer and be educated about water conservation and runoff reduction.
  - 960 homes have been audited to date and 798 installations have been completed to date.
  - 1,500 Weather Based Irrigation Controllers are forecast to be installed by June 2013 with a predicted savings of 14,500,000 gallons of water.

**5. Public Comments on Non-Agenda Items**

- The committee requested a review and prioritization of water quality projects.

**6. Topics for Future Agendas**

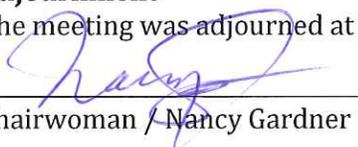
- (a) Bacteriological Dry-Weather Runoff Gutter Study (Phase III)
- (b) Prop 84 ASBS Grant Program
- (c) Big Canyon Project
- (d) Rhine Channel Project Wrap Up
- (e) Senate Bill – SB 1447
- (f) MiOcean Program
- (g) Small Vessel – Waste and Refuse

**Set Next Meeting Date**

The next meeting date was set for March 14, 2013, at 3 PM in the Fire Conference Room.

**7. Adjournment**

The meeting was adjourned at 4:45 pm.

  
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Chairwoman / Nancy Gardner

# The Rapidly Evolving Environmental Program



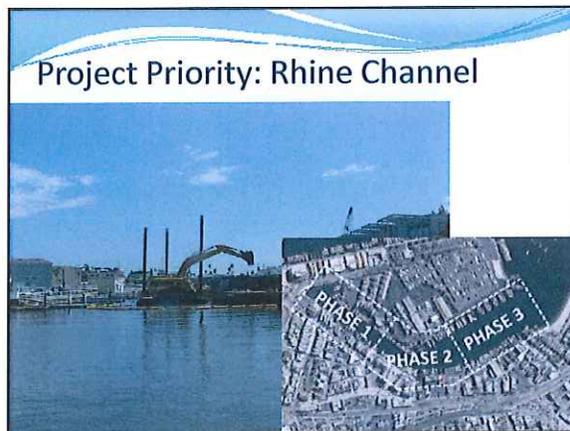
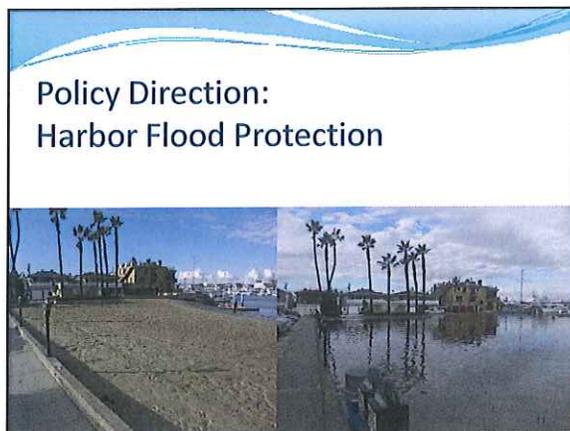
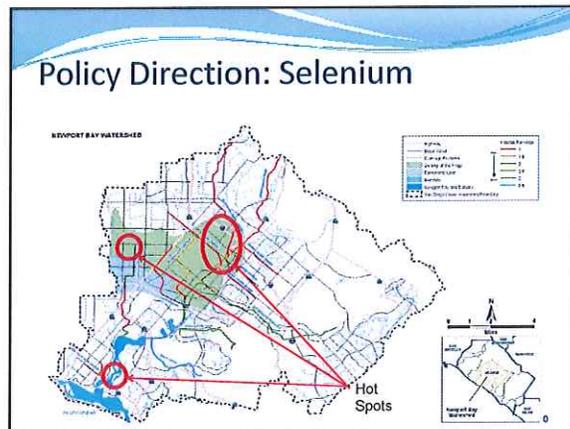
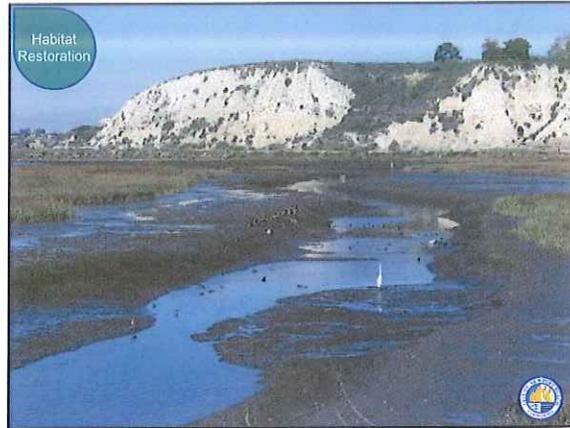
Public Works Department  
Environmental Section

# The City's Environmental Program

- Existing Programs
- Committee Guidance
- Emerging Issues







### Fostering Cooperation:

Upper Newport Bay & Big Canyon Restoration

UNB Invasive Removal

Big Canyon Restoration

### Emerging Challenges

- Trash
- Copper Boat Paint
- Coastal and Harbor Flooding
- NPDES Stormwater Regulations
- Dry-Weather Flows
- Upper Bay Restoration
- Others?

### Water Use Efficiency

Governor's Senate Bill SBx7-7

**Reduce 20% December 31, 2020**  
**Base Line water use 253.5 GPCD**  
**2015 interim water use target is 228.1 GPCD**  
**2020 final water use target is 202.8 GPCD**

### Water Use Efficiency Projects

Water Use Audits City Parks and Medians

### Water Use Efficiency Projects

Rebate Programs

### Water Use Efficiency Projects

Public Outreach Programs

**Water Muser WORKSHOP**



## Water Use Efficiency - Survey Highlights

I feel my community expects me to do my part to reduce runoff.

- 91% Agree or Strongly Agree

I feel California's ocean and bays are experiencing pollution problems caused by human activity.

- 95% Agree or Strongly Agree

Urban runoff is a serious issue in my community.

- 79% Agree or Strongly Agree

I should be able to use as much water as I want, as long as I am willing to pay for it.

- 26% Agree or Strongly Agree

19

## Comments and Direction

20

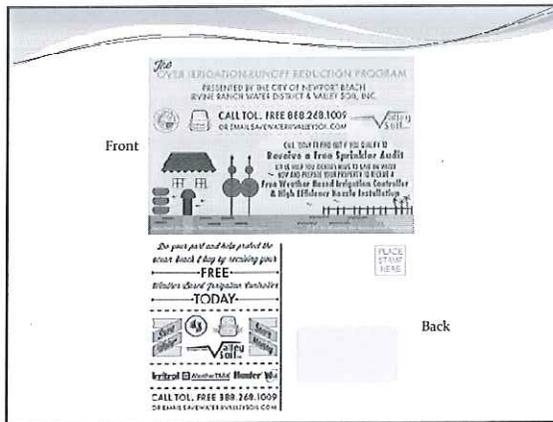
## Emerging Challenges

- How aggressively should we move to curtail trash flowing to the bay?
- Should we be more aggressive in demanding a state-wide solution to copper boat paint?
- How do we make the coastline and harbor more resilient to coastal flooding?
- How do we rein in NPDES stormwater regulations?
- How aggressively shall we move to curtail dry-weather flows?
- Is eco-restoration of the upper bay a priority?
- Others?



21





### Course of Action

1. Pre-Installation Water Audit
  - Perform valve by valve sprinkler irrigation system check
2. Weather Based Irrigation Controller Installation
  - Install and program the controller
  - Train customer to make adjustments




### Gardener's Workshop

Customers met the manufacturers, were further educated about water conservation and runoff reduction




Shane Teaching the Customers

### Current Program Statistics

- The targeted program area is made up of half City of Newport Beach customers and the other half of Irvine Ranch Water District Customers (IRWD). All of the statistics represent about 50% of each service area.




### Residential Customer Statistics

- Total Number of Audits Complete
  - 960 Customer's homes have been audited to date
- Total Number of Installations Complete
  - 798 Customers have received Weather Based Irrigation Controllers to date
  - 920 Weather Based Irrigation Controllers Installed
  - 20,729 High Efficiency Nozzles Installed (128 customers)



### Home Owner Association Statistics



- 44 Weather Based Irrigation Controllers
- 954 Valves Converted
- 763 High Efficiency Nozzles
- Associations Participating
  - Cameo Community Assn.
  - Newport Ridge Apartments
  - Campobello Association
  - Jasmine Park
  - Ocean View Hills South

### Forecast

- Estimated 1,500 Weather Based Irrigation Controllers will be installed by June 2013
- Approximately water savings from 964 Smart controllers
  - 86 acre-feet of water saved
  - 28,000,000 gallons of water saved per year

Thank  
You!

