

City of Newport Beach Coastal/Bay Water Quality Citizens Advisory Committee Minutes

Date: February 10, 2011

Time: 3:00 p.m.

Location: Fire Conference Room

1. Welcome/Self Introductions

Committee Members present:

Chairwoman/Mayor Pro Tem Nancy Gardner

Dennis Baker

George Drayton

Tom Houston

Roberta Jorgensen

Jim Miller

Janet Rappaport

Randy Seton

Guests present:

Pat Fuscoe, MiOcean

Darrel Ferguson, Surfrider

Michael Hurley, Malcolm Pirnie

Monica Mazur, Resident

Nancy and Jack Skinner, SPON

Staff present:

Shane Burckle, Water Conservation Coordinator

John Kappeler, Water Quality Manager

Shari Rooks, Public Works Specialist

George Murdoch, General Manager Utilities

2. Approval of Previous Meeting's

The minutes from the January 13, 2011 and the October 14, 2010 meetings were approved.

3. Old Business

(a) Bay and Ocean Bacteriological Test Results

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

- Monica mentioned the EPA Beach Conference will be in Miami from March 15th through the 19th, and Larry Honeybourne will be one of the keynote speakers.

4. New Business

(a) Presentation by George Murdoch and

Michael Hurley of Malcolm Pirnie presented the **2010 Urban Water Management Plan** update to the committee. Please see PowerPoint presentation attached.

- City is required to prepare an UWMP every 5 years.

- Firm of Malcolm Pirnie hired to prepare a regional-wide approach to developing an Urban Water Management Plan.
- Governor's 20% by 2020 (SB7x-7) legislation = 20% per capita reduction in potable water supply by 2020. 10% reduction is required by 2015. These reductions can be accomplished by conservation or recycled supplies.
- Are there penalties for not producing a UWMP? Funds from Prop 50 & Prop 84 would not be available to the city if we don't produce an UWMP, or if we exceed our usage cost for our water the rate could potentially triple.

(b) Presentation by Pat Fuscoe

Pat Fuscoe updated the committee on the **MiOcean Beach Monitors** and the status of the MiOcean Beach Monitor Program. Please see PowerPoint presentation attached.

- Roberta Jorgensen asked if the committee could request the city to provide power for the beach monitors.
- MiOcean accepts donations to cover the initial cost of purchasing and installing the monitors (approximately \$15-\$17K) and then turns monitors over to municipalities, agencies or organizations interested in maintaining them.
- EPA has yet to approve the new testing method, but the MiOcean beach monitors were used successfully during the three-month protocol period for the Rapid Indicator Testing pilot project.
- MiOcean currently maintains the website and it feeds information directly from Heal the Bay.
- "Green Streets" was recently presented to approximately 700 Public Works Directors in Columbus, Ohio, at the American Public Works Association National Convention and they listened. Point of interest: 25% of our land area is street.

ACTION: Pat Fuscoe asked to contact Larry Honeybourne regarding the MiOcean beach monitor program because Larry is one of the keynote speakers at the EPA conference.

(c) Lido Village Center Project

Open discussion by all about the Lido Village Concept Plan, including the "beach to bay" water canal.

- Canal too narrow – better left open space so public would have more access.
- Canal does not connect water from one side of the bay to the other and will not be navigable as it is really more of a water feature.
- Tide varies up to 7 feet – concern about water level being well below the project level at low tide. Are there design elements that should be taken into account to address the tide levels?
- Economic benefits? What would be the financial return?
- Maintenance costs to maintain a canal and tide gates, etc.
- Land swap?
- If we are going to provide more public space, can we go higher in some areas?
- Dancing water fountain as a focal point?
- Large expanse of parking along Newport Boulevard is not attractive.

5. Public Comments on Non-Agenda Items

- Chair Gardner announced that it was determined at the planning session that the Council intends to make the tidelands a main focus this year including our beaches and CIP projects.
- Municipal Operations Department recently removed 14 tons of debris trapped by the log boom at North Star Beach.
- Dennis Baker said all the white pvc poles have been removed from the Upper Bay after the completion of the dredging.
- Jack Skinner felt that the Regional Board's mandate to clean up the Selenium coming from Spyglass Hill through the golf course into the bay is targeting the City of Newport Beach and he felt the committee could be instrumental in finding innovative means to deal with the estimated \$10M cleanup.
- Darrel Ferguson said REI and 2 dozen kayaks went and collected lots of trash this past weekend with their 3-foot long trash grabber.
- John Kappeler advised that OCTA Measure M2 will start releasing grant monies next month. He hopes to come to the Council the first meeting in March with a resolution to apply for projects as part of the \$2.8M OCTA will release this year. Looking at replacing and expanding the log boom and cleaning out catch basins.

ACTION: Invite new Harbor Master to a meeting after he gets settled in and ask for periodic updates from the Harbor Master.

ACTION: John Kappeler to bring the latest report on the three San Diego Creek sediment basins to the next committee meeting.

ACTION: Put the Big Canyon Selenium cleanup on the March agenda.

6. Topics for Future Agendas

- (a) Bacteriological Dry-Weather Runoff Gutter Study (Phase III)
- (b) OCTA Measure M2
- (c) Coastal Dolphin Research Program
- (d) Banning Ranch Environmental Impact Report (EIR)
- (e) Harbor Area Management Plan (HAMP)
- (f) Big Canyon Project
- (g) Cienega Project
- (h) Shark Mobile
- (i) Prop 84 ASBS Grant Program
- (j) Posting of bacti "hits" on beach monitors when posted on Twitter
- (k) Update on "Green Streets"
- (l) Invite Harbor Master to an upcoming meeting

7. Set Next Meeting Date

The next meeting was set for March 10, 2011.

8. Adjournment

The meeting was adjourned at 5:00 pm.



City of Newport Beach

Update on the City of Newport Beach's Urban Water Management Plan

Coastal/Bay Water Quality
Citizens Advisory Committee

February 10, 2011

MALCOLM
PIRNIE

ARCADIS

The Water Division of ARCADIS

Overview

- What is an Urban Water Management Plan (UWMP)
- What are the Major Elements
- What are the Key New Requirements
- Overview of Newport Beach's Plan
- Next steps

I. Urban Water Management Plans

- Overview
 - Required pursuant to 1983 Urban Water Management Planning Act
 - (Water Code §§10610 – 10656)
 - Threshold - Every urban water supplier that provides water to 3,000 or more customers or provides over 3,000 acre-feet of water annually
 - Updates are due every five years
 - Plans due July 1, 2011

II. Major Elements

- Demonstrate reliability during normal, dry, and multiple dry years over 20-year period
- Detail water supply shortage contingency planning for 50% reduction and interruption of service
- Describe current and planned water demand management measures
- Identify planned water supply projects including recycling and desalination

III. New Elements

- Report water use targets required to meet 20% per capita reduction by 2020 (SBx7-7)
- Implementation of water conservation measures condition for state funding for water management (AB 1420)
- Report water use projections for lower income households (SB 1087)
- Describe and quantify indirect potable reuse of recycled water (§ 10633 (d))

III. SB x7-7 (20% x 2020)

- Based on Governor's goal to achieve a 20% statewide reduction in per capita water use by 2020
- Reductions can be achieved through either conservation or recycled supplies
- Agency can choose among four methods for measuring 20% reduction
- Agency can join a "Regional Alliance" to achieve compliance

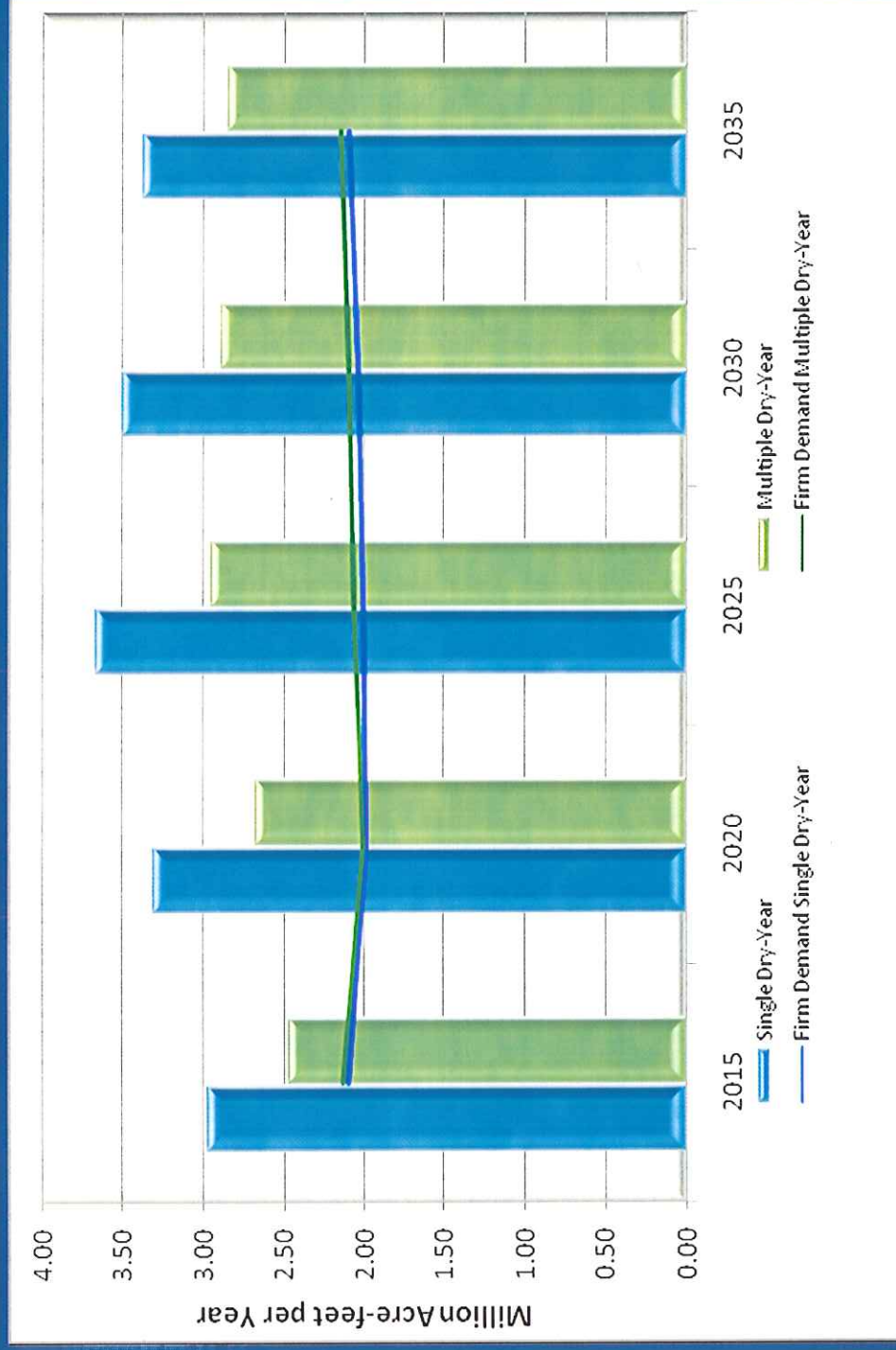
III. SB x7-7 (20% x 2020) cont.

- Water use targets compliance steps
 - Calculate base daily per capita water use
 - Choose a water use target calculation method
 - Report water use target and progress in UWMPs
- UWMP reporting
 - 2010 UWMP: baseline water use & water use target
 - 2015 UWMP: interim progress (10% goal)
 - 2020 UWMP: water use reduction

IV. Overview of Newport Beach Plan

- Imported Supplies – Metropolitan/MWDOC
 - Adopted it Regional UWMP in November 2010
 - “Metropolitan has supply ... sufficient to meet ... demands from 2015 through 2035 under the single dry-year and multiple dry-year conditions.”
 - Captures the impacts to imported water supply reliability from the Delta pumping restrictions
 - Integrates Metropolitan’s shortage allocation plan
 - Assumes short-term and long-term success on improvements in the Bay-Delta

IV. Overview of Newport Beach Plan



IV. Overview of Newport Beach Plan

- Local Supplies - Orange County Water District
 - UWMP assumes a Basin Pumping Percentage (BPP) of 62% throughout 25-year period per OCWD planning
 - Describes OCWD/OCSD Groundwater Recovery (GWR) system

IV. Overview of Newport Beach Plan

- Local Supplies – Other
 - Recycled supplies – Green Acres Project
 - Orange County Desalination projects are identified in UWMP, but not part of assumed supplies for the 25-year period

IV. Overview of Newport Beach Plan

- Shortage/Contingency Planning
 - Incorporates Metropolitan's and MWDOC's Water Shortage Allocation Plans
 - Documents the City's participation in Water Emergency Response Organization of Orange County
 - City's 1998 Emergency Preparedness Plan
 - City's Ordinance No. 2010-16 - Water Conservation and Supply Level Regulations

IV. Overview of Newport Beach Plan

- Summary
 - Based on the planning assumptions of Metropolitan, MWDDOC, and OCWD, the City is projected to have sufficient supplies under the hydrologic scenarios defined in the UWMP Act
 - The City's UWMP details
 - Supply shortage contingency planning for 50% reduction and supply interruption
 - Planned water supply projects including recycling and desalination
 - Current and planned demand management measures

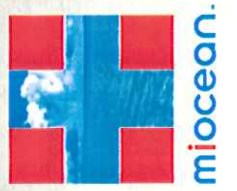
V. Next Steps

- Schedule
 - June 2010 – Kick off meeting
 - July/Aug 2010 – Individual meetings with agencies
 - Dec 2010 – DWR releases UWMP Guidebook
 - Jan/Feb 2011 – Initial Draft UWMPs
 - Feb 2011 – Follow up meetings
 - April 2011 – Final Draft UWMPs
 - May 2011 – Public Hearings on UWMPs
 - July 1, 2011 – UWMPs are due to DWR



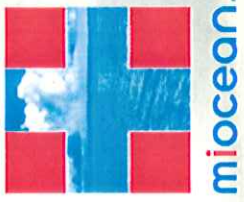
**MALCOLM
PIRNIE**

The Water Division of ARCADIS



Knowledge is **POWER**. The power to **CHANGE**.

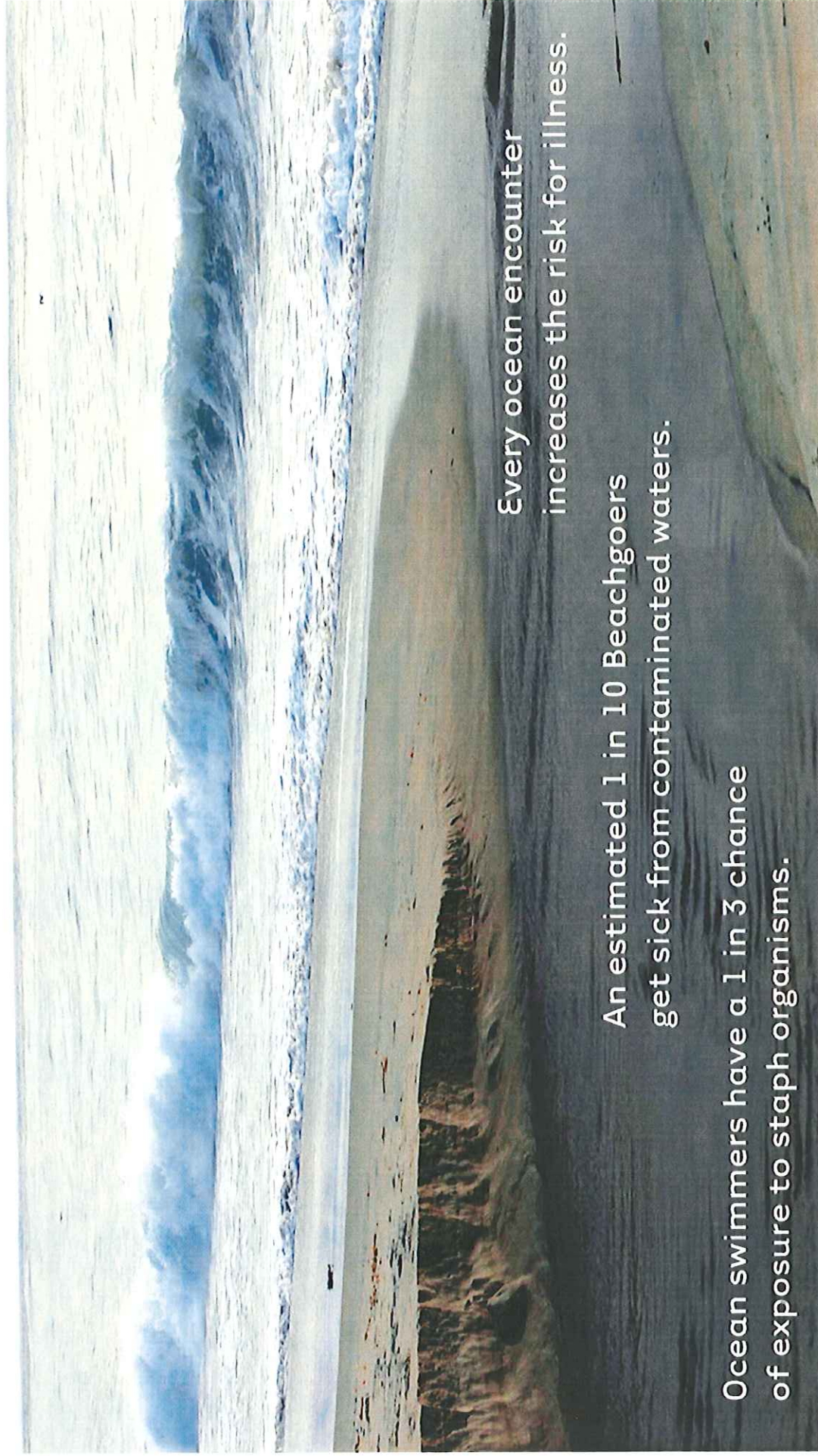




+ Our Mission

To clean up our local shoreline using a business approach and applying expertise, passion and resources for measurable improvements.

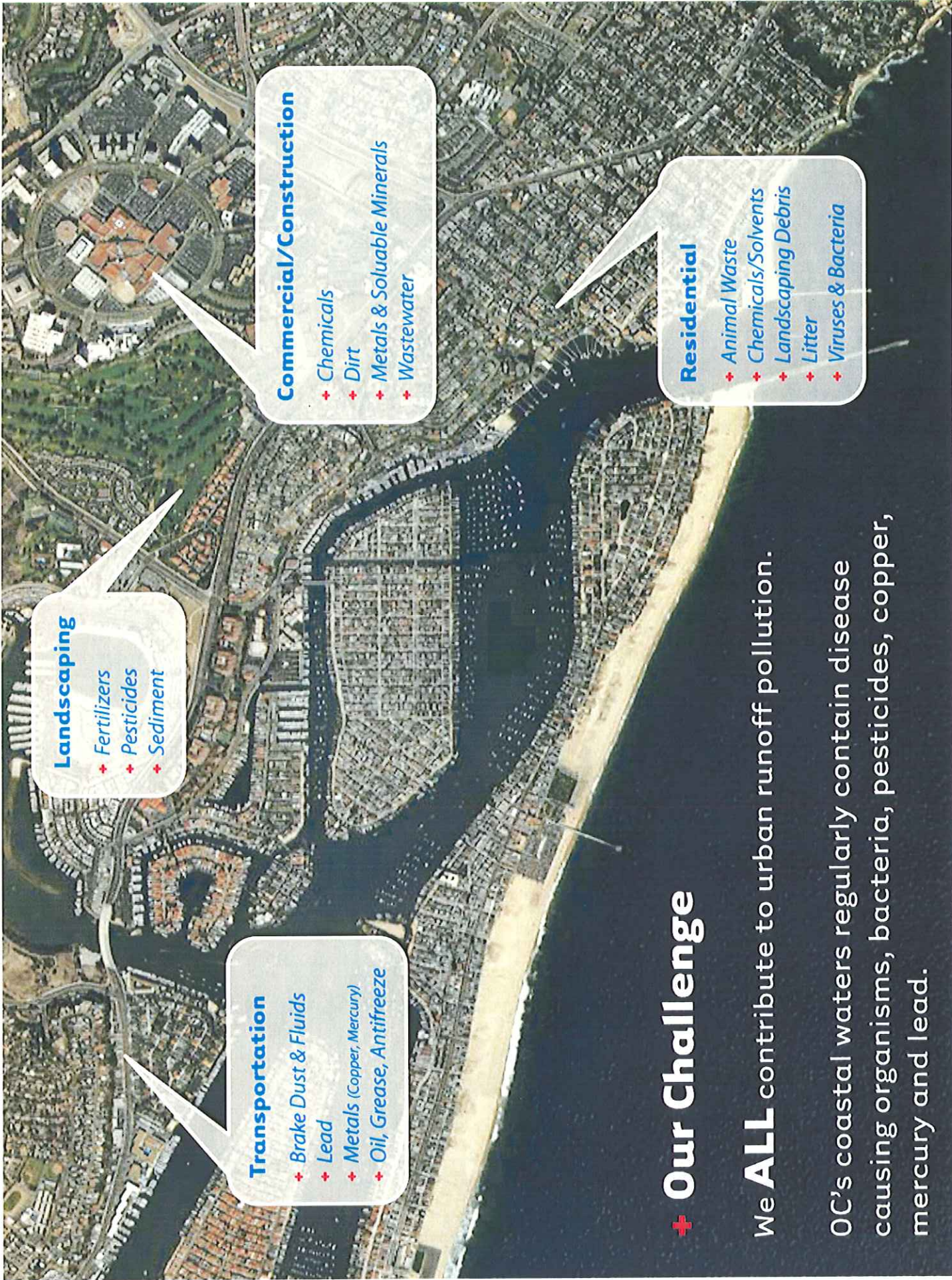
+ Our Goal is to **ELIMINATE** urban runoff pollution



Every ocean encounter increases the risk for illness.

An estimated 1 in 10 Beachgoers get sick from contaminated waters.

Ocean swimmers have a 1 in 3 chance of exposure to staph organisms.



Landscaping

- + Fertilizers
- + Pesticides
- + Sediment

Transportation

- + Brake Dust & Fluids
- + Lead
- + Metals (Copper, Mercury)
- + Oil, Grease, Antifreeze

Commercial/Construction

- + Chemicals
- + Dirt
- + Metals & Soluble Minerals
- + Wastewater

Residential

- + Animal Waste
- + Chemicals/Solvents
- + Landscaping Debris
- + Litter
- + Viruses & Bacteria

+ Our Challenge

We **ALL** contribute to urban runoff pollution.

OC's coastal waters regularly contain disease causing organisms, bacteria, pesticides, copper, mercury and lead.



+ Our Unique Approach

Awareness. Action. Results.

- + **PROTECT** OC's 42 miles of coastline by taking a business approach that's focused, goal-oriented, accountable.
- + **PARTNER** with municipalities & other groups to address the pervasive and growing problem of urban runoff pollution.
- + **PRIORITIZE** end-of-pipe projects and educational programs that can deliver **measurable improvements in 12-24 months**.
- + **PROVIDE** expertise, oversight and resources to ensure timely, successful project completion.

+ Our Measurable Results: Water Quality Projects

+ North Creek - Doheny Beach Diversion Project



Removes 6 tons of litter and debris annually

+ Strands Beach/Niguel Shores Diversion Project



Daily diverts up to 10,000 gallons of nuisance water

+ Salt Creek - Monarch Bay Treatment Plant



Treats 1.4 million gallons of polluted urban runoff

+ Miocean Beach Monitors Real-Time Beach & Surf Conditions



High visibility public information



+ Our Lasting Impact: Education Projects

+ Back Bay Science Center
Education Facility



Accelerates water quality lab testing & reporting

+ Pretend City
Interactive Beach Exhibit



Teaches 150,000 children about beach water safety

+ Ocean Institute
5th Grade Science Curricula



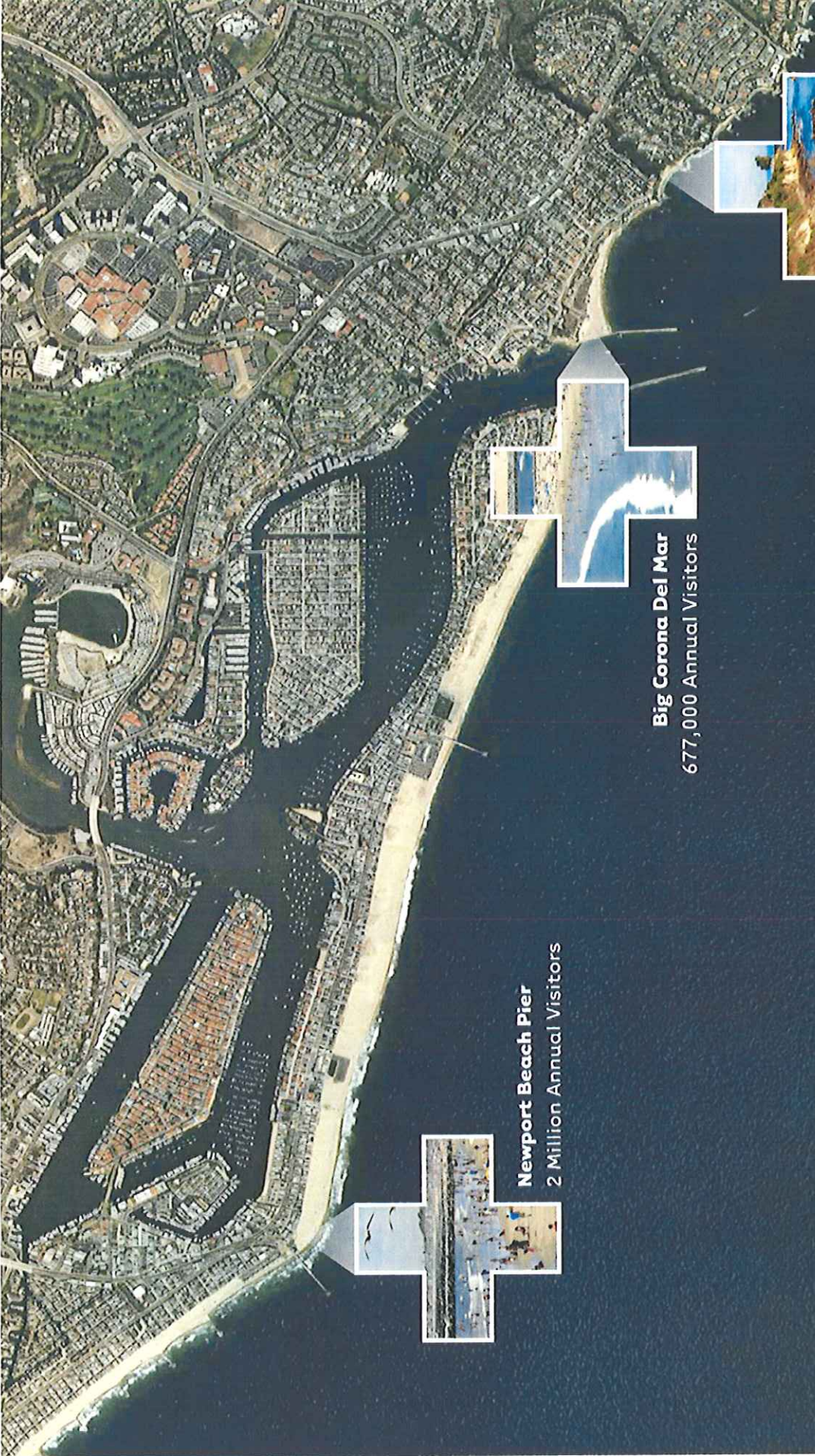
10,000+ Watershed Education Program graduates

+ Chapman University
Watershed Certificate Program



1st watershed science, economics & policy program

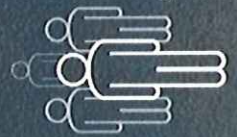




Newport Beach Pier
2 Million Annual Visitors

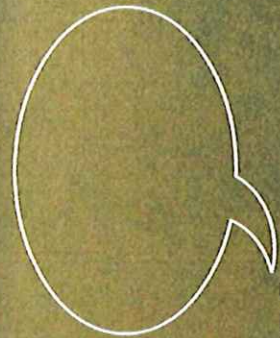
Big Corona Del Mar
677,000 Annual Visitors

Little Corona Del Mar
177,000 Annual Visitors



And, if one can make a **DIFFERENCE**, imagine what **3 MILLION** could do.

Visit bim.miocean.org to see the monitors in action.



The Miocean Beach Information System will **EDUCATE** the next stewards of our ocean



Beachgoers get the **INFORMATION** they need to know...

Screen
1 of 4

data provided by

based on 30 day period ending:

April 23, 2009

dry weather **A+**

wet weather **B**

This beach meets or exceeds state recreational water quality standards.

APPROVED

CLOSED

water sampling locations and grades

Corona Del Mar Beach

you

mioccean.org

mioccean.org

+ How's the Water?

Beachgoers get the latest information about the water quality by an easy to understand, intuitive grading system.

They want to **KNOW**...

Screen
2 of 4

data provided by
WAVEWATCH
Apr 23, 2009 10:11 AM

FRIDAY
Apr 24

65° F
58° F
Chance of Rain



SATURDAY
Apr 25

75° F
63° F
Clear



weather and surf

Today **Thursday April 23, 2009**

air **72° F**
sea **61° F**

Partly Cloudy



wind **5 mph**
from the **NNW**



surf **2' - 5'**

tide 2:47am **5'** 10:57 **-0.1'** 6:27pm **3.3'** 10:24 **2.8'**



sponsor logo



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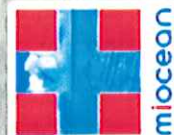
+ Surf. Swim. Play. Relax.

The Miocean Beach monitor delivers weather, tide and wave information...for every kind of beachgoer.



And the things they can do to make a **DIFFERENCE.**

Screen
3 of 4



wavelengths

sponsor logo

sponsor logo

sponsor logo

sponsor logo



Pick-up after your pet.

Animal waste, when left on the ground, washes down storm drains and contaminates beaches.



It's your responsibility. Please. Keep it clean.

Visit www.miocean.org to learn more about what Miocean is doing to protect Our Ocean, Your Ocean, Miocean...



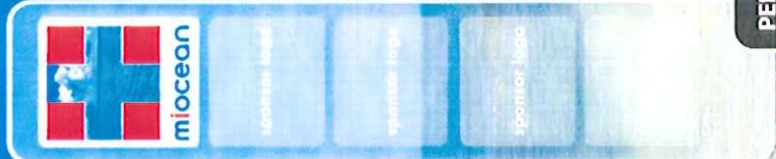
miocean.org

+ We All Matter.

It's important to know how we impact our environment. It's comforting to know that it doesn't take much to make a big difference

We invite you to be a **PARTNER** in our cause...

Screen
4 of 4



Miocean would like to acknowledge our partners and sponsors...



QUIKSILVER



Visit our retail location at the Irvine Spectrum and mention Miocean for a discount, or text Miocean to "12345" from your cell phone and receive a coupon

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PERSISTENT RECOGNITION
on three information screens.
Each screen will be present for 30 seconds on a constant rotating schedule.

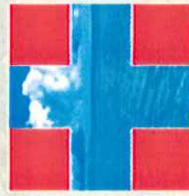
EXCLUSIVE RECOGNITION
on a stand alone screen that will be present for 20 seconds each rotation cycle.

Visit bim.miocean.org to see the monitors in action.

+ You Can Make A Difference

CHANGE Your Habits. Get **INVOLVED**. **SUPPORT** Miocean.

Because it's *Your* Ocean. Our Ocean. Miocean.



miocean.

+ **Tangible Value** + **Measurable Results** + **Specific Timeframes** + **Local Beaches**

For details, please contact Miocean at + 949.271.4386 + info@miocean.org

Miocean is an IRS-recognized 501(c)3 non-profit organization

www.miocean.org

Key points

- Lido Marina, Vornado Initial marina improvements with later re-tooling entertainment and hospitality components
- City Hall Site with community services.
- City Hall Site residential for rent seniors, market rates and or live-work
- Via Lido Partners improvements with new anchor tenant mix and support retail
- High density residential for Marshal "Cal-beach" and Olen parcels.
- Proposed 32nd street parking structure
- Re-alignment of Via Lido and 32nd street intersection
- Pedestrian bridge connection to the bay
- Ped Bridge to Mariners Mile.



ALTERNATIVE 5B

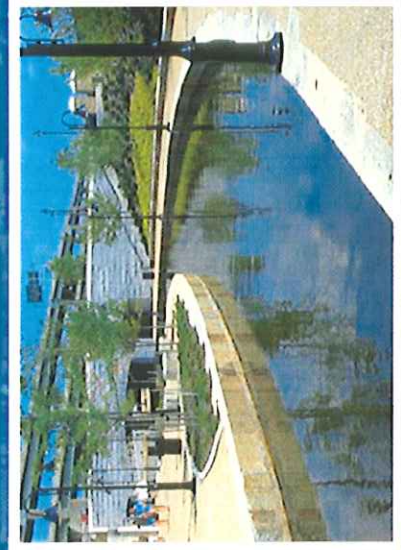
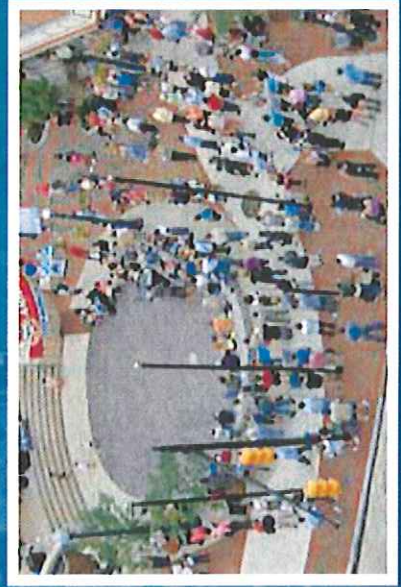
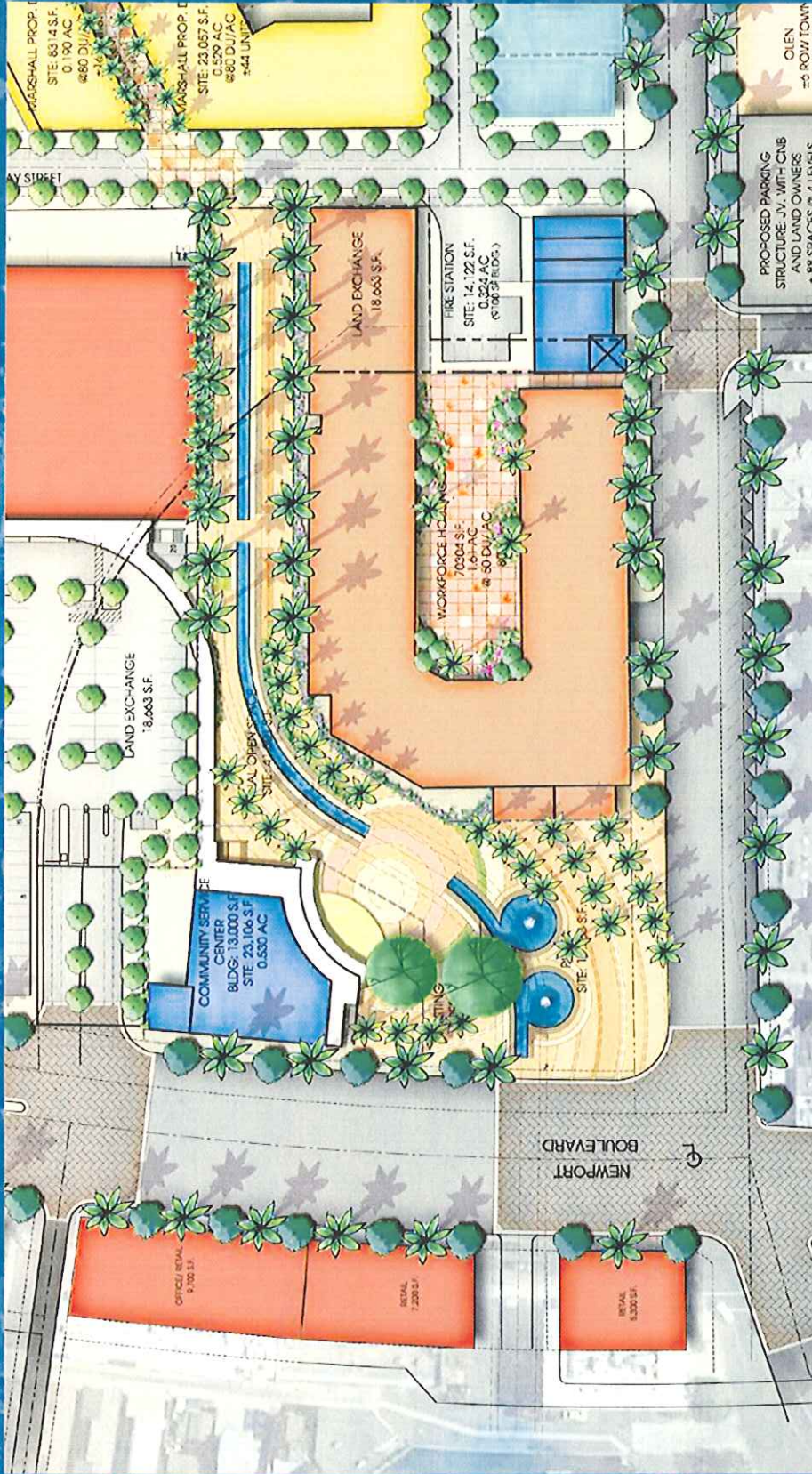
LIDO VILLAGE



LIDO VILLAGE



THE VILLAGE



CANAL PROMENADE / PLAZA



GOVERNMENT SOLUTIONS