



Caring for Your Coast

Gary Jones
Director

Kerry Silverstrom
Chief Deputy

John Kelly
Deputy Director

Brock Ladewig
Deputy Director

October 22, 2015

TO: Beach Commission
FROM: *Carol Baker for* Gary Jones, Director

SUBJECT: **BEACH COMMISSION AGENDA – October 28, 2015**

Enclosed is the agenda for your meeting of OCTOBER 28, 2015, together with the minutes of the September 23, 2015 meeting. Also enclosed are reports related to Agenda Items 4A, 5A, 5B, 5C, and 5D as well as the Beach Commission Attendance Report.

Please call me if you have any questions or need additional information.

GJ:CB:rc

Enclosures



County of Los Angeles Beach Commission

13837 Fiji Way, Marina del Rey, CA 90292
Phone: (310) 305-9546 Fax: (310) 822-0119
Web Page: <http://beaches.lacounty.gov>



AGENDA

Meeting of the Beach Commission
Oct 28, 2015
9:30 a.m.
Burton Chace Park
13650 Mindanao Way
Marina del Rey, CA 90292

1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE

2. APPROVAL OF MINUTES

September 23, 2015

3. OLD BUSINESS

- A. Lifeguard Headquarters Status
- B. Berm Building and El Niño Prep

(UPDATE)
(UPDATE/ACTION)

4. NEW BUSINESS

- A. El Segundo Desalination Plant
- B. Venice Oceanarium

(DISCUSSION)
(DISCUSSION)

5. STAFF REPORTS

- A. Ongoing Activities Report
 - Board Actions on Items Relating to Beaches
- B. Beach Special Events/Summer Activities
- C. Operational Services Division Report
Regarding Beach Maintenance
- D. Capital Projects Status Report/Related Activities
- E. Lifeguard Report

(REPORT)
(REPORT)
(REPORT)
(REPORT)
(VERBAL REPORT)

Wayne Powell ,
Chair
Rosi Dagit ,
Vice-Chair

Thomas Barnes
Thomas Brewer
Walt Dougher
Ginny Kruger
Margaret Levy
Cris B. Liban

Kelly McDowell
Charles Milam
Maureen O'Donnell
Anthea Raymond
Scott Sachs
Bruce Saito

Jeffrey Sallee
Peter Tucker
Mitch Ward

6. COMMISSIONER COMMENTS

7. COMMUNICATION FROM THE PUBLIC

8. NEXT MEETING DATE & LOCATION

Wednesday, January 27, 2015, 9:30 a.m. at Burton Chace Park Community Room.

9. ADJOURNMENT

PLEASE NOTE:

1. The Los Angeles County Board of Supervisors adopted Chapter 2.160 of the Los Angeles Code (Ord. 93-0031 § 2 (part), 1993), relating to lobbyists. Any person who seeks support or endorsement from the Beach Commission on any official actions must certify that he/she is familiar with the requirements of this ordinance. A copy of the ordinance can be provided prior to the meeting and certification is to be made before or at the meeting.
2. The agenda will be posted on the Internet and displayed at the following locations at least 72 hours preceding the meeting date:

Department of Beaches and Harbors' Website Address: marinadelrey.lacounty.gov

	Department of Beaches and Harbors Administration Building 13837 Fiji Way Marina del Rey, CA 90292	Marina del Rey Information Center 4701 Admiralty Way Marina del Rey, CA 90292
Library	Burton Chace Park Community Room 13650 Mindanao Way Marina del Rey, CA 90292	Lloyd Taber – Marina del Rey 4533 Admiralty Way Marina del Rey, CA 90292

Si necesita asistencia para interpretar esta informacion llame al (310) 305-9546.

ADA ACCOMMODATIONS: If you require reasonable accommodations or auxiliary aids and services such as material in alternate format or a sign language interpreter, please contact the ADA (Americans with Disability Act) Coordinator at (310) 305-9538 (Voice) or (TTY/TDD) users, please call the California Relay Service at 711. The ADA coordinator may be reached by email at rstassi@bh.lacounty.gov.

COUNTY OF LOS ANGELES BEACH COMMISSION
MINUTES OF September 23, 2015

COMMISSIONERS PRESENT

Wayne Powell, Chair
Rosie Dagit, Vice Chair
Anthea Raymond
Bruce Saito
Chuck Milam
Cris B. Liban
Maureen O'Donnell
Mitch Ward
Peter Tucker
Scott Sachs
Walt Dougher

ABSENCES

Jeffrey S. Sallee
Kelly McDowell
Margaret Levy
Thomas Barnes
Thomas Brewer
Virginia Kruger

STAFF PRESENT

John Kelly, Deputy Director, Facilities/Capital Projects/Maintenance/Traffic Planning,
Harbor Engineering Bureau
Ken Foreman, Division Chief, Operational Services Division
Carol Baker, Division Chief, Community & Marketing Services Division

GUEST SPEAKERS

Stefan Popescu, Executive Assistant

MEETING LOCATION

Burton W. Chace Park Community Room

1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE

Commissioner Powell called the meeting to order at **9:39 a.m.** He requested that Commissioner Scott Sachs lead everyone in the Pledge of Allegiance. Commissioners, staff, and guests rose and delivered the pledge.

2. APPROVAL OF MINUTES

Commissioner Powell motioned for approval of the June 24, 2015 meeting minutes. Commissioner Liban expressed concern that attendance of newer Commissioners might not have been acknowledged in the June 24, 2015 minutes. Commissioner Powell again motioned for approval of the minutes with an amendment to the attendance records. Commissioner Sachs seconded. The Commissioners unanimously approved.

3. OLD BUSINESS

NONE

4. NEW BUSINESS

A. EI NIÑO PREP AND BERM BUILDING

Kenneth Foreman presented a PowerPoint on El Niño Preparations and Berm Building. LA County is responsible for maintenance on approximately 20 Los Angeles Area Beaches from Point Fermin to Malibu. Santa Monica maintains its own beaches. Some beaches are privately owned. LA County constructs sand berms protecting LA County properties such as lifeguard stations, restrooms, maintenance yards and the Dockweiler Youth Center. LA County rents heavy equipment to build these berms from 10–15 feet tall to take energy out of incoming waves. The Department of Beaches and Harbors (DBH) owns three sandbagging machines which can make up to 1,000 sand bags within an hour. Piles of these sandbags are made available to the public at strategic locations for their personal use. They need to be stacked in a staggered, overlapping patterns which eliminate points of water intrusion. There are roughly 200 open storm drains near beaches maintained by LA County.

Berm building does not begin until November. In the meantime, planning, preparations and consideration of public input is moving at a fast pace. There is time to plan properly. There are a number of agencies that have specific and overlapping responsibilities which can be difficult to work out. About three years ago, residents resisted berm building in Venice because it blocked their views. Their massive calling, email and petition campaign argued that berm building was “environmentally insensitive,” threatening protected species, and that the heavy equipment damaged natural resources such as wet sand. Several meetings took place. On site biologists were engaged to observe before, during and after the berm building process. DBH staff cleans, grooms and patrols beaches for litter 365 days a year. Despite increased scrutiny, DBH defends its routine maintenance

practices, which must use heavy mechanized equipment because of the massive scope of the job. It would not be possible otherwise.

In Playa del Rey (PdR), the problem with the berms once built from Culver to just south of Surf Street is that the only County facility it protected was the bike path. The bike path is managed and maintained by the Department of Public Works (DPW). It is impractical for DPW to protect the entire length of the bike path. The County cannot use public funds to protect private property. Broad Beach residents fund their own protective measures privately. However, LA County departments can work and are working with other agencies and jurisdictions to minimize risk, including the City of Los Angeles and the Army Corps of Engineers. DBH is actively pursuing solutions which do not contradict the Coastal Commission. A shorter berm could be built on the back beach from Culver to Surf Street. The 10-15 foot berms will protect County structures closest to the surf-line. The shorter back beach berm could be built from dry windblown sand. The building of the shorter berm does not require any further permitting or interaction with the Coastal Commission. A larger, longer berm would require a permit from the Coastal Commission and cannot be justified by an immaterial amendment because it affects coastal resources and beach access.

Commissioner Powell opened the meeting to comments from the Commission. He first asked if DBH was not allowed to build berms to protect private property because it would be considered a gift of public funds. John Kelly said that was part of the reason, but also because of the limited scope of the agreements between the County, the City of Los Angeles, and the State.

Commissioner Dougher asked if the dry windblown sand used to build back beach berms was contaminated in any way, to which John Kelly replied it was not.

Commissioner Ward asked where the primary source of windblown sand will be taken from. John Kelly replied that it would come from the Gillis Beach location at the end of the LAX airport runways where there are no residences. Commissioner Ward asked if there was a County website available to the public with information about where local citizens could pick up sand bags. Carol Baker reported that DBH is working with first responders and other County Departments to share this information. Sandbag pick-up locations and other storm prep information will be shared on the DBH website and linked to other County websites. Commissioner Ward asked if the shorter berm offered equivalent protection to the higher berms closest to the shore. Commissioner Ward also asked how the County will address storm-related street flooding. John Kelly replied that DPW regularly provides storm drain maintenance on both a routine and emergency basis and the shorter berm would offer protection equal to a larger one close to the ocean.

Commissioner Sachs asked about the science behind determining the required height of berm walls and other wave uprush barriers. John Kelly replied that DBH uses science and works closely with coastal engineering consultants.

Commissioner Liban asked if the shorter back beach sand shapings could be defined as actual berms, and also if they could be considered a gift of public funds. Mr. Kelly said they would not be called “berms” and do not require a permit.

Commissioner Raymond asked for the definition of “upflooding.” John Kelly explained that wave uprush can—with a combination of both storm surge, plus high tide—wash into streets.

Commissioner Milam asked about the level of sand strewn on the bike path, and how much of this sand is recovered through sweeping and collection by maintenance staff. DPW collects this sand three times a week, deposits it in piles along the bike path, which DBH staff then distributes to areas in need of sand. Commissioner Milam asked if there were contingency plans for back beach berm and storm drain failure, and street flooding. DPW has high capacity pumps available to use when drains become blocked or overwhelmed.

Commissioner Powell opened the discussion for public comment and called for the first speaker.

Lucy Han asked that an immaterial amendment be added to Permit # 5-14-1345 to safeguard her community. She distributed photos to the Commissioners detailing past El Niño storm damage to PdR’s private and public properties, along with images of past berm locations.

Ruth Lansford expressed disappointment in the lack of clear communication between government and the public, and the confusing and ambiguous ownership of the berm issue between jurisdictions. She said she could not locate an appropriate official emergency number to call during times of flooding.

Commissioner Powell asked if there was an after-hours emergency number or mobile app available. Ken Foreman recommended calling the Lifeguards. John Kelly recommended called the DPW 24-hour helpline, as well as LA City and LAFD resources.

Julia Greene spoke and shared photographs detailing the extreme flooding and property damage that she experienced last winter after a heavy rainfall. She called 911, and the operator asked if she wanted police or fire to respond. She chose fire. The Fire Dept. responded quickly, but Ms. Greene was disappointed by their actions. The fire trucks drove down Culver Boulevard, never stopping, and then turned around and left. Her son

used an online app to locate storm drains to assist a DPW worker. She does not want an “unproven option,” such as a shorter back beach sand shaping. She wants a full, standard berm built.

Julie Ross asked for a list of organizations detailing which specific phone numbers to call for help in specific emergency situations. She distributed photos of storm drains which failed and the resulting flood damage near Culver Boulevard and Trolleyway Street.

Lisa Klein described \$16,000 dollars of damage to her residence that was caused three years ago by a single wave during high tide. A berm was built seven hours later after the damage was done. She urged that a berm be built to save residents from this kind of “nightmare” in the future. She distributed photos of the damage she suffered to the Commissioners.

Susan Bowling asked that a “sense of stewardship” and a “public/private partnership” be created to protect PdR’s beaches.

Robert Hill urged increased consideration of the public health and safety issues associated with not having a full berm. Flooding on the level experienced in 1983 would prevent first responders, except for fire trucks, from having access to residents in danger. Getting ambulances into the community during flooding is important. Because of the proximity of Ballona Creek, refuse, bacteria and sludge washes up onto PdR’s beaches and creates an unhealthy situation. When the bike path is destroyed by flooding, bicyclists are forced to use Trolleyway Street, which causes a safety hazard for residents using their cars and backing out of driveways.

Paul Moody commented that no berm was ever built until 1983, and that his house was 18 inches under water that year. “Berms have been nothing but a positive for our community,” he said.

Joan Scocciamarro and Alexander Haagen both urged that a full shoreline berm be put up now to protect PdR residents and prepare for the unusual El Niño activity known to be coming, and that a more lasting remedy be investigated and agreed upon later.

Kim Walters echoed Robert Hill’s public health and safety concerns regarding refuse and sludge wash-up from Ballona Creek, and how flood damage to the bike path forces cyclists up onto residential streets, creating potential traffic hazards.

David Richard spoke on behalf of his elderly landlords, age 84 and 94, and how public access to the beach provides their only opportunity to exercise. He also expressed concern about run-off from the Hyperion sewage treatment plant.

Commissioner Powell inquired about the Hyperion situation and the expected duration of the rehabilitation of their five mile outfall. John Kelly remarked that the County and City are in communication about the rehabilitation process and water quality; preventative steps have been taken, and that the Hyperion plant is down-shore of PdR and that movement up-shore is rare.

Commissioner Powell asked about the DBH website and if a listing of emergency contact numbers were being made available there. Carol Baker responded that the website is the responsibility of her division and that it is currently being revamped but that DBH will provide an emergency list specific to the needs of the PdR community and other communities.

John Kelly introduced Ed Tran of DPW from the audience and urged PdR residents to avail themselves of DPW's 24/7 emergency phone numbers during storm and flood emergencies.

Commissioner Liban asked if last year was the only recent year in which a shoreline berm had not been built. John Kelly responded, yes, because the permits had expired and there wasn't sufficient justification for the berm to meet the Coastal Commission's guidelines.

Jan Haagen reiterated her neighbors' support for building the berm, and the health hazards of trash left strewn on the beach by storm surges. Commissioner Dougher asked her to clarify if waste driven onto the beach during storm surges came from trash cans or Ballona Creek. Ms. Haagen said it came from both sources.

Commissioner Powell thanked the members of the public for their input, and asked for Commissioners to comment on the topic.

Commissioner Ward asked about what recommendations might be made to the Board of Supervisors to deal with the pressing berm issue, and remarked that the "timing is precarious" with the predicted El Niño on its way. He recommended that steps be taken, at least this year, to create the full berm.

Commissioner Sachs asked if County Counsel had been consulted on the berm issue. Carol Baker responded that DBH is pursuing an appropriate solution based on their understanding of what is legally permitted by the Coastal Commission.

Commissioner Milam asked if there were any provision for DBH to ask for an exemption which would allow the building of the full berm based on what was heard today at the meeting. John Kelly replied the Coastal Commission can and does take emergency steps when required. The Coastal Commission's basic criteria and timeline for taking emergency action is within three days of a known hazard presenting itself. The only

limitation upon DBH's ability to act on the Coastal Commissions emergency permits are staffing capacity and the availability of heavy equipment.

Commissioner O'Donnell asked that all concerned "err on the side of caution" and proceed with berm building sooner rather than later. She asked members of the audience how many had purchased their homes before the storms of 1983, what disclosures of potential storm hazards had they been made aware of, and how many had purchased flood insurance.

Commissioner Tucker asked a process question about how the berm issue might be advanced with the help of the Beach Commission. Carol Baker suggested that the issue could be revisited as a discussion/potential action item at the next scheduled meeting.

Commissioner Raymond asked about the likelihood of the immaterial amendment to the current permit being considered.

Commissioner Liban requested DBH staff inform the Commission as to the progress of the re-contouring of the beach at the next scheduled Beach Commission meeting, and that the berm issue also be advanced to an action item at that meeting. Commissioner Powell concurred with Commissioner Liban and urged DBH staff to check with County Counsel about what is legally appropriate with regard to the use of public funds in relation to private property.

Commissioner Raymond asked if DBH staff could make a presentation to the Commission detailing effective private models for storm surge protection.

Commissioner Sachs asked if DBH staff could share information about the different cost and budget ramifications presented by the full 10-15 foot berm versus the smaller back beach berm.

Chair Powell asked if DBH staff could create a listing of resources that homeowners could contact for storm preparation and response. John Kelly again urged homeowners to speak with DPW's Ed Tran, and to petition FEMA as a community to designate PdR as a Federally Mapped Flood Area, so that residents are able to purchase low cost flood insurance.

B. PARKS FUNDING

Stefan Popescu presented the written report.

5. STAFF REPORTS

A. ONGOING ACTIVITIES REPORT

Carol Baker presented the written report.

B. BEACH AND MARINA DEL REY SPECIAL EVENTS

Carol Baker presented the written report.

C. OPERATIONAL SERVICES DIVISION REPORT

Ken Foreman presented the written report.

D. CAPITAL PROJECTS STATUS REPORT/RELATED ACTIVITIES

John Kelly presented the written report.

E. LIFEGUARD REPORT

Lifeguard staff could not attend. No report was given.

6. COMMISSIONER COMMENTS

The next Beach Commission Meeting is scheduled for **October 28, 2015**.

ADJOURNMENT

Commissioner Powell adjourned the meeting at 12:33 p.m.

Respectfully Submitted,
Robert Curtis
Commission Secretary



(310) 305-9503 • 13837 Fiji Way, Marina del Rey, CA 90292 • beaches.lacounty.gov

Caring for Your Coast

Gary Jones
Director

Kerry Silverstrom
Chief Deputy

John Kelly
Deputy Director

Brock Ladewig
Deputy Director

October 22, 2015

TO: Beach Commission
FROM:  Gary Jones, Director

SUBJECT: **AGENDA ITEM 3B – El Niño Preparation and Berm Building**

The L.A. County Department of Beaches and Harbors (DBH) filed a Coastal Development Permit application and project justification (attached) with the California Coastal Commission to extend the planned Playa del Rey seasonal sand berm located on the beach near Culver Boulevard by 1,300 feet. The Coastal Commission approved the permit at its meeting on October 9, 2015. The berm extension will be installed in November, at the same time as our regular seasonal berm.

GJ:CB:rc

Enclosures

Berm Application Justification

Project Description:

The Department of Beaches and Harbors requests a one-time emergency authorization to construct an extension of our permitted protective sand berm on Dockweiler State Beach (CDP 5-14-1345). The proposed berm extension would have the following approximate dimensions: 10-15 feet tall, 20 feet wide, and 1300 feet long (see attached aerial map).

The forecasted 2015 El Niño storm season has the potential to create a unique situation in the vicinity of Dockweiler State Beach immediately south of Ballona Creek, where a large volume of untreated stormwater outflows from Ballona Creek. Coupled with an El Niño storm surge and high tides, there is a strong possibility that waves will uprush onto the back beach. In the past, similar events have led to the pooling of contaminated water on a plateaued area of the back beach between Culver Boulevard and south of Surf Street. Typically, when storm surges cause pooling on a beach, our Department can quickly mitigate the problem by mechanically breaching the pooled area to allow the trapped water to flow back into the ocean. This option is not possible at this particular location because the plateau where the water pools is landward of the Marvin Braude Bike Trail, thus preventing the temporary construction of "v"-ditch to drain the pool. Since the concrete bike path acts as a barrier dam once it has been overtopped by waves, a protective sand berm is needed during the forecasted El Niño event to prevent the localized accumulation of contaminated stormwater runoff on the public beach adjacent to the Ballona Creek ocean outlet.

This area of Dockweiler State Beach is heavily used by local and regional visitors, and tourists. It is also a very wide beach that accommodates many different beach-use activities, including beach volleyball courts, the Marvin Braude Bike Trail, and two wheelchair accessible paths to mid-beach. Allowing the large area described above to fill with contaminated stormwater and to remain pooled on the beach for a week or longer following each large storm could potentially have significant negative impacts on public coastal access, coastal resources, and public health. These potential hazards include the risk of human contact with contaminated water (attractive nuisance), pooled water exceeding two feet in depth (child drowning), and entrapment risk of quicksand-like conditions. Since draining or pumping is not an effective or efficient method to remove the potential hazard, the Department of Beaches and Harbors is proposing to construct the berm extension during November of 2015, and to remove the berm by April 2016.

NOTICE OF PENDING PERMIT

**A PERMIT APPLICATION FOR DEVELOPMENT ON THIS SITE IS
PENDING BEFORE THE CALIFORNIA COASTAL COMMISSION.**

PROPOSED DEVELOPMENT:

Request to construct a sand berm in the vicinity of Culver Blvd. and Surf St. on Dockweiler State Beach for the forecasted 2015/16 El Nino storm season. The berm will measure approximately 15 feet high by 20 feet wide by 1,300 feet long, and will be composed of approximately 7,000 cubic yards of sand.

LOCATION:

Dockweiler State Beach between Culver Blvd. and Surf St., Playa del Rey,
City of Los Angeles, Los Angeles County

APPLICANT(S):

Los Angeles County Department of Beaches and Harbors

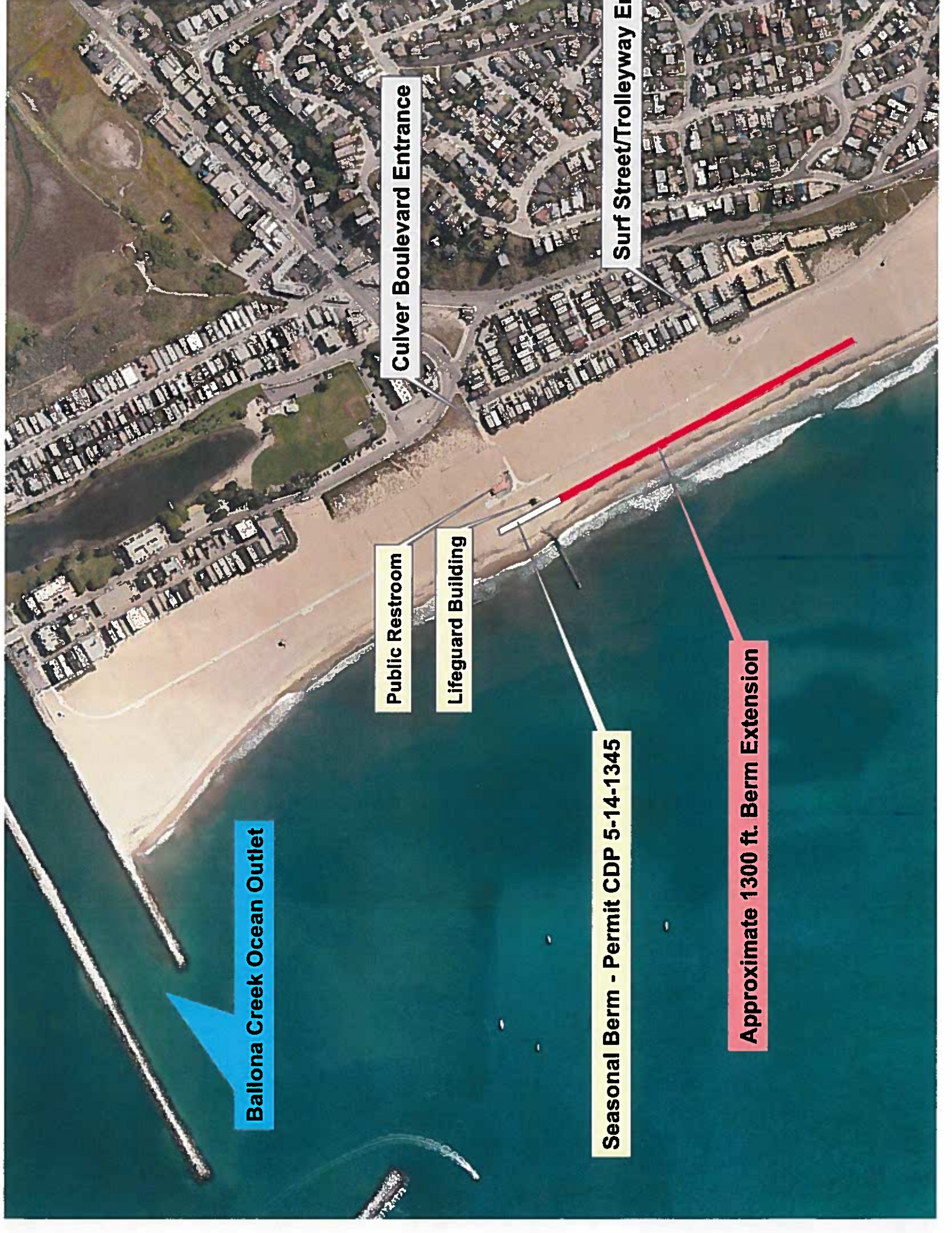
APPLICATION NUMBER: 5-15-1577

DATE NOTICE POSTED: 10/1/15

For further information, please phone or write the office listed below
between 8 AM and 5 PM, weekdays.

CALIFORNIA COASTAL COMMISSION

South Coast Area Office
200 Oceangate, Suite 1000
Long Beach, CA 90802-4302
(562) 590-5071



Ballona Creek Ocean Outlet

Culver Boulevard Entrance

Surf Street/Trolleyway Entrance

Public Restroom

Lifeguard Building

Seasonal Berm - Permit CDP 5-14-1345

Approximate 1300 ft. Berm Extension



Caring for Your Coast

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Deputy Director

Brock Ladewig
Deputy Director

October 22, 2015

TO: Beach Commission
Catrina Love for
FROM: Gary Jones, Director

SUBJECT: Item 4A – EL SEGUNDO DESALINATION PLANT

Rich Nagel, General Manager of the West Basin Municipal Water District, will present on the proposed \$300 million desalination plant in El Segundo.

A 2014 Daily Breeze article is attached for your information. Additional background information on the plant may be found at <http://www.westbasindesal.org/>.

PRESENTER:

Rich Nagel was named General Manager by the West Basin Board of Directors in June 2006. Prior to his appointment as General Manager, Mr. Nagel served as Co-General Manager of the West Basin Municipal Water District and Central Basin Municipal Water District until the separation of shared administrative services from May 2004 until May 2006. Mr. Nagel was employed as the District's Manager of Water Quality in 2000, and had been responsible for all aspects of the District's water quality regulatory program, research and development programs through collaborative meetings and discussions with numerous public and regulatory agencies on groundwater quality issues, remedial investigation activities and various water treatment studies, as well as overseeing numerous reports on groundwater studies and the effects of various contaminants. More recently, Mr. Nagel oversees the District's recycled water program that features the only recycling plant in the world that produces 5 special quality designer waters for industrial, commercial, recreational and indirect potable use.

Mr. Nagel has over 29 years of experience in the water supply and wastewater arena. Prior to joining the Districts, Nagel was employed with the Los Angeles Department of Water and Power (LADWP) from 1985-2000. During that tenure, he served as the Assistant Upper Los Angeles River Area Watermaster for five years. As the Assistant Watermaster, he managed the development of the annual publications of two court-mandated reports, led the investigation of numerous water rights issues, supervised groundwater quality and contamination studies, monitoring system development, modeling activities and water supply analyses. In addition, he served as the Manager of the Central and West Coast Groundwater Basins and Project Manager for LADWP, and was also the manager of Mono Basin Studies for two years. From 1989-1992, Mr. Nagel was the Coordinator of the Remedial Investigation of Groundwater Contamination in the San Fernando Basin.

A registered professional engineer, Mr. Nagel graduated from San Diego State University with a Bachelor of Science degree in Civil Engineering. He is on the Board of Directors for the WaterReuse Foundation, Board of Directors of the California WaterReuse Association, Board member of the Multi-State Salinity Coalition, and Board member of the Urban Water Institute. He serves as an alternate Board member of the National Water Research Institute. He has received the Recycled Water Person of the Year award in 2009 and the Recycled Water Advocate of the Year award in 2012.

Redondo Beach desalination test plant key to local efforts to convert ocean water to fresh water

By Sandy Mazza , Daily Breeze

DailyBreeze.com



The West Basin Municipal Water District test desalination plant in Redondo Beach. WBMWD water resources engineer Diane Gatza explains micro-filtration and reverse osmosis technologies used at the test facility. (Robert Casillas / Staff Photographer)

The future of desalination in the South Bay lies in the back of Redondo Beach's SEA Lab science center, where a few rooms filled with a network of thick copper-alloy pipes filter a half-million

gallons of sea water daily.

By the end of this year, the facility will be closed as efforts move forward to build a permanent \$300 million desalination facility at the NRG power plant in El Segundo.

West Basin Municipal Water District officials opened the test desalination facility in 2010, after trying out the technology to freshen saltwater at a smaller site in El Segundo for about seven years. Since opening the Redondo Beach site, they have been studying the science of safely removing salt, ocean life and debris from saltwater to make it drinkable or otherwise useful to people.

Officials at West Basin, a water wholesaler primarily serving South Bay cities, say that in addition to relying on recycled and imported water, finding ways to make ocean water safe to drink, water lawns and process petroleum at oil refineries is key to the district's future.

"The one good benefit for ocean-water desalination is that it's drinkable water that's local and not affected by weather," said Ron Wildermuth, a spokesman for West Basin Municipal Water District. "Every Southern California water agency is localizing and diversifying their water supply."

A \$1 billion water desalination plant in Carlsbad is now under construction and about a dozen other similar projects have been proposed along the California coast.

Critics of desalination argue that its high energy needs are too costly and that it is too destructive to ocean ecosystems, pointing to desalination facilities that have been shut down or inactive for years in Santa Barbara and on Catalina Island because they were too expensive.

But West Basin officials believe modern technology is helping to make desalination less costly. At the Redondo Beach test site, for example, operators have learned how to save energy

costs by halting sea water intake during ocean conditions such as algal blooms, which render ocean water unsuitable for the desalination process.

Environmental studies also are in the works in Redondo Beach to better understand how the wedge-wire screens that initially filter the ocean water as it comes into the facility can better protect larvae and other ocean life that is inadvertently drawn in.

Desalination starts when the ocean water is passed through “ultra-filtration membranes.” It then goes through a process called reverse osmosis, in which the water passes through stacks of paper-like filters.

“We have two passes here, a first and a second pass,” Diane Gatza, an engineer with the district, said about the Redondo Beach facility’s reverse osmosis system. “After we take the water through one pass of reverse osmosis, we take a small portion of it and put it through a second pass to get a little bit higher quality of water.”

Advertisement

Because of the statewide drought, Northern California has blocked water transfers to Southern California, leaving communities to instead rely on their reserves and imported water from the depleted Colorado River. The West Basin district’s water stores are plentiful for the next year or two, so mandatory water rationing has not been imposed.

But district officials are working to increase conservation efforts and find other sources of fresh water. The district distributes drinking and recycled water to a 185-square-mile area that includes South Bay cities as well Culver City and Malibu.

By 2020, the district plans to have an operational desalination plant that will produce 10 percent of its total water needs, reducing reliance on supplies from Northern California and the Colorado River. An environmental review process has been initiated to plan for a permanent South Bay site that will clean 20 million gallons of water a day.

“Our goal is to reduce imported water by 50 percent by 2020,” Wildermuth said. “Right now, we’re at 66 percent imported water and we want to be at 33 percent because of stresses on the water supply due to environmental restrictions, climate-change impacts, population growth and other challenges to our future water supply.”

Reporter covering Carson, Hawthorne, Hermosa Beach and the environment. Reach the author at sandy.mazza@dailybreeze.com or follow Sandy on Twitter: @SandyMazza.

- Full bio and more articles by Sandy Mazza
- Back to top



October 22, 2015

TO: Beach Commission
FROM: *[Signature]* Gary Jones, Director

SUBJECT: **ITEM 5A - ONGOING ACTIVITIES REPORT**

BOARD ACTIONS ON ITEMS RELATING TO BEACHES

On September 15, 2015, the Board approved a motion to waive all parking fees for volunteers and support staff at County-operated beach parking lots, excluding the cost of liability insurance, for all participants of the California Coastal Cleanup Day, to be held September 19, 2015 from 8:00 a.m. to 2:00 p.m.; and urged all County residents to support this worthwhile event.

On September 22, 2015, the Board approved a motion to waive the \$8 per vehicle parking fee for 80 vehicles at a total amount of \$640 at Dockweiler State Beach, excluding the cost of liability insurance, for the Sheriff's Department's Special Victims Bureau team building/training day, to be held October 1, 2015.

On September 29, 2015, the Board approved a motion to authorize the Director of Beaches and Harbors to execute an amendment to a contract with Securitas Security Services USA, Inc. for additional security services at existing and new service areas (3 and 4), to increase the annual contract amount from \$297,512 to \$353,713, for the first option year, if exercised, an additional \$115,000 for the second option year and \$57,500 for the six month-to-month extension periods.

On October 6, 2015, the Board approved a motion to waive the parking fees at Torrance Beach, excluding the cost of liability insurance, for the Coast Guard Air Station Los Angeles' Annual Wet Drill Survival Training, to be held October 8, 2015.

On October 6, 2015, the Board approved a motion to waive parking fees at the Torrance Beach parking lot, excluding the cost of liability insurance, for South High School's surfing classes, to be held Monday through Friday during its 2015-16 school year from 6:00 a.m. to 9:00 a.m.

GJ:CB:rc

Caring for Your Coast

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Kerry Silverstrom
Chief Deputy

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Brock Ladewig
Deputy Director



Caring for Your Coast

Gary Jones
Director

Kerry Silverstrom
Chief Deputy

John Kelly
Deputy Director

Brock Ladewig
Deputy Director

October 22, 2015

TO: Beach Commission
FROM: *Carl Babin*
Gary Jones, Director

SUBJECT: **AGENDA ITEM 5B – BEACH AND MARINA DEL REY SPECIAL EVENTS**

BEACH EVENTS

DOCKWEILER YOUTH CENTER TAI CHI

Dockweiler Youth Center ♦ 12505 Vista del Mar ♦ Los Angeles
Mondays and Thursdays
8:00 a.m. – 10:00 a.m.

Come and experience Tai Chi class to learn and practice the forms that promote relaxation, balance, coordination, flexibility and strength.

For more information: Call (310) 726-4128

DOCKWEILER YOUTH CENTER YOGA

Dockweiler Youth Center ♦ 12505 Vista del Mar ♦ Los Angeles
Mondays and Fridays
10:00 a.m. – 11:30 a.m.
Wednesdays
6:30 p.m. – 7:30 p.m.

Grab your mat and experience the ultimate yoga workout that promotes flexibility, breathing and relaxation techniques, while strengthening and toning muscles. All levels welcome.

For more information: Call (310) 726-4128 or email to ola.power.yoga@gmail.com

DOCKWEILER YOUTH CENTER FREE ZUMBA

Dockweiler Youth Center ♦ 12505 Vista del Mar ♦ Los Angeles

Mondays

6:30 p.m. – 7:30 p.m.

Wednesdays and Fridays

5:30 p.m. – 6:30 p.m.

Ditch your boring workout and join the Los Angeles County Department of Beaches and Harbors' (Department) Zumba class at the Dockweiler Youth Center!

For more information: Call (310) 726-4128

DOCKWEILER YOUTH CENTER MEDITATION CLASS

Dockweiler Youth Center ♦ 12505 Vista del Mar ♦ Los Angeles

Wednesdays

10:00 a.m. – 12:00 p.m.

Join the meditation class to learn, build, and apply meditation to your life.

For more information: Call (310) 726-4128

SHORE FISHING

Dockweiler Youth Center ♦ 12505 Vista del Mar ♦ Los Angeles

Saturdays

9:00 a.m. – 10:30 a.m.

The Department is offering an introduction to shore fishing class. Come enjoy a beautiful morning of fishing from the shores of Dockweiler Beach. Fishing poles and bait will be provided at no cost. All ages are welcome. Anyone under the age of 12 years old must be accompanied by an adult. Anyone over the age of 16 years old must present a valid California fishing license to participate. Fishing licenses can be purchased locally at West Marine: 4750 Admiralty Way, Marina del Rey, CA, 90292, (310) 823-5357 or Marina del Rey Sportfishing: 13759 Fiji Way, Marina del Rey, CA, 90292 (310) 371-3712. Please call to pre-register at (310)726-4128. *Limited to 10 participants per session.

For more information: Call (310) 726-4128

DOCKWEILER YOUTH CENTER MAKE IT AND TAKE IT CRAFT DAY

Dockweiler Youth Center ♦ Lobby ♦ 12505 Vista del Mar ♦ Los Angeles
Saturdays
10:00 a.m. – 11:00 a.m.

The Department is offering a FREE crafts class every Saturday morning. All children under 12 are welcome with an adult.

For more information: Call (310) 726-4128

THE TORCH REPLAY FOR CHILDREN'S MIRACLE NETWORK

Redondo Beach
Saturday, November 14, 2015
10:00 a.m.

Join in the Los Angeles County's segment of the Torch Relay for the Children's Miracle Network Hospitals' 5k walk/5k run, which begins on the East Coast and moves to the West Coast then heads back to the East Coast. The participants help to raise money for equipment and for uncompensated care. All proceeds benefit the Children's Miracle Network Hospitals.

For more information: Call (800) 409-2544 or visit the website www.torch-relay.org/la

MOBY DICK READING

Venice Beach
November 21 – 22, 2015
8:00 a.m. – 10:00 p.m.

Join the Venice Oceanarium and guests for a shared reading of the novel *Moby Dick* by Herman Melville. The complete book will be read aloud on the beach by the Breakwater rocks at the end of Windward Avenue in Venice.

For more information: Visit www.veniceoceanarium.org

MARINA DEL REY EVENTS

BURTON CHACE PARK WALKING CLUB

Burton Chace Park ♦ Lobby ♦ 13650 Mindanao Way ♦ Marina del Rey
Tuesdays & Thursdays
10:30 a.m. – 11:30 a.m.

The Department is sponsoring a FREE one-hour walking club. Get your exercise while taking in the beautiful view of the Marina del Rey harbor. Please RSVP by calling (310) 305-9595.

For more information: Call (310) 305-9595

BURTON CHACE PARK AEROBICS CLASS

Burton Chace Park ♦ Lobby ♦ 13650 Mindanao Way ♦ Marina del Rey
Wednesdays
6:00 p.m. – 7:00 p.m.

The Department is offering FREE indoor group aerobics classes that combine rhythmic aerobic exercise with stretching and strength training routines with the goal of improving all elements of fitness. Come get in shape with an experienced instructor at beautiful Burton Chace Park. Ages 13 and up. Please RSVP by calling (310) 305-9595.

For more information: Call (310) 305-9595

MARINA DEL REY FARMERS' MARKET

Parking Lot #11 ♦ 14101 Panay Way ♦ Marina del Rey
Saturdays
9:00 a.m. – 2:00 p.m.

The Department, in collaboration with Southland Farmers' Markets Association, is offering the Marina del Rey Farmers' Market on Saturdays. The Marina del Rey Farmers' Market offers fresh, locally-grown organic and conventionally grown fruits and veggies. Also available are prepared and packaged foods, hand-crafted products and much more! Paid parking is available for 25 cents for every 10 minutes.

For more information: Call Marina del Rey Visitors Center at (310) 305-9545

FISHERMAN'S VILLAGE WEEKEND CONCERT SERIES

13755 Fiji Way ♦ Marina del Rey

Sponsored by Pacific Ocean Management, LLC

All concerts are from 1:00 p.m. – 4:00 p.m.

Saturday, October 31st

Jimbo Ross and The Bodacious Blues Band, playing Blues

Sunday, November 1st

Michael Haggins & Friends, playing R&B

Saturday, Nov 7th

Upstream, playing Reggae

Sunday, Nov 8th

Jimi Nelson & The Drifting Cowboys, playing Country

Saturday, Nov 14th

Friends, playing R&B

Sunday, Nov 15th

Susie Hansen, playing Latin Jazz

Saturday, Nov 21st

Izmskzm, playing Rock/Reggae

Sunday, Nov 22nd

2Azz1, playing Jazz/Funk

Saturday, Nov 28th

Brasil Brazil, playing Bossa Nova/Samba

Sunday, Nov 29th

JB & The BC Riders, playing Country/Rock

For more information: Call Pacific Ocean Management at (310) 822-6866

HISTORIC HARBOR TOURS

Fisherman's Village ♦ 13755 Fiji Way ♦ Marina del Rey

Ongoing through November 29, 2015

In celebration of Marina del Rey's 50th birthday in 2015, the Department is offering Historic Harbor Tours this fall. Explore the largest man-made small craft harbor in North

America and enjoy a 45-minute informative narrated historic tour through the scenic waterways of Marina del Rey from the comfort of a beautiful, classic wooden yacht, operated by Hornblower Cruises & Events.

The fare is \$1.00 per guest and availability is on a first-come, first-serve basis.

Fridays: 1:00 p.m., 2:30 p.m., 4:00 p.m.

Saturdays & Sundays: 11:30 a.m., 1:00 p.m., 2:30 p.m., 4:00 p.m.

For more information: Call Marina del Rey Visitors Center at (310) 305-9545

HALLOWEEN HAUNT

Burton Chace Park ♦ 13650 Mindanao Way ♦ Marina del Rey, CA 90292
Saturday, October 31, 2015
7:00 p.m. – 9:00 p.m.

On Halloween, the Department transforms Burton Chace Park into a spooky scene for "Halloween Haunt." Those who dare to enter the park will encounter pirates, zombies and other special characters that only come out on this haunting Halloween night. We will also be hosting an outdoor screening of *Maleficent* at 7:00 p.m. Halloween treats will be provided for trick-or-treaters!

For more information: Call Burton Chace Park at (310) 305-9595

FALL YOUTH CAMP

Burton Chace Park ♦ Lobby ♦ 13650 Mindanao Way ♦ Marina del Rey
November 23 – November 25, 2015
7:30 a.m. – 6:00 p.m.
\$50 per day/ Boys and Girls/ Ages 6 – 10 years old

The Department is offering a fall youth camp that is full of fun and adventures. Participants will engage in three days of sports, recreational activities, health and fitness programs, arts & crafts, science and so much more! Registration is open until the program is full.

For more information: Call (310) 305-9595 to reserve your space.

WINTER YOUTH CAMP

Burton Chace Park ♦ Lobby ♦ 13650 Mindanao Way ♦ Marina del Rey
December 21, 22, 23, 28, 29 and 30, 2015
January 4 – 8, 2016
7:30 a.m. – 6:00 p.m.

\$50 per day/ Boys and Girls/ Ages 6 – 10 years old

The Department will again offer a winter youth camp this holiday season that is sure to provide your child with new and fun experiences. Participants will enjoy outdoor activities, recreational sports, arts & crafts, water activities and much more! Don't be stuck in the cold, sign up now! Registration is open until program is full. No camp on Christmas Eve, Christmas Day, New Year's Eve and New Year's Day.

For more information: Call (310) 305-9595 to reserve your space.

MARINA DEL REY HOLIDAY BOAT PARADE

Saturday, December 12, 2015

6:00 p.m. – 8:00 p.m.

Fireworks kicking off the start of the parade will be shot off the south jetty at 5:55 p.m. Beautifully lighted and decorated boats will participate in the event, which is free to the public. The theme of this year's parade is "Adventures of the Sea." Boat owners will compete for numerous prize packages. Best spots for viewing the boat parade are Burton Chace Park, located at 13650 Mindanao Way, and Fisherman's Village, located at 13755 Fiji Way. This year's Grand Marshal is the famous actress and singer Florence Henderson.

For more information call: Visit the website at www.mdrboatparade.org

NEW YEAR'S CELEBRATION

Burton Chace Park ♦ 13650 Mindanao Way ♦ Marina del Rey

Thursday, December 31, 2015

At 7:00 p.m.

Bring in the New Year with a bang! Guests are invited to Burton Chace Park at 7:00 p.m. to watch a live broadcast on a jumbo screen of *New Year's Eve Live* with Anderson Cooper and special co-host Kathy Griffin from Times Square in New York City. At 8:59 p.m., join in on the 60-second countdown and view the Times Square ball drop. Then at 9:00 p.m., watch the night sky light up with an amazing ten-minute fireworks show, which will be shot from the Marina's south jetty.

For more information: Call (310) 305-9595

GJ:CB:rc



Caring for Your Coast

Gary Jones
Director

Kerry Silverstrom
Chief Deputy

John Kelly
Deputy Director

Brock Ladewig
Deputy Director

October 22, 2015

TO: Beach Commission
FROM: *Gary Jones*
Gary Jones, Director

SUBJECT: ITEM 5C – OPERATIONAL SERVICES DIVISION PROJECT REPORT

Item 5C on your agenda provides the Commission with a listing of the Department's projects that are either planned or in progress. There were 38 service requests placed with the County's Internal Services Department to perform work that was considered too large for our internal staff to handle. Shown below is a brief list of those projects that exceed \$10,000:

- White Point Sewer Connect – San Pedro – \$500,000
- Replace Royal Palm Water Main – San Pedro – \$400,000
- Repair chain link fence – Zuma Beach Maintenance Yard – estimated cost \$22,822
- Renovate restroom below Miramar Park – Torrance Beach – estimated cost \$10,000
- Renovate Recreational Vehicle Park – Dockweiler Beach – estimated cost \$200,000
- Add storage at Recreational Vehicle Park – Dockweiler Beach – \$50,000
- Expand staff parking at Dockweiler Maintenance Yard – estimated cost \$10,000
- Renovate restroom at Topanga Beach – estimated cost \$75,000
- Renovate restroom at Malibu Surfrider – estimated cost \$250,000

White Point Sewer Connect- San Pedro- \$500,000

The scope includes replacing 500 lineal feet of the sewer force main that serves the public restroom at White Point. This project is needed to replace the connection that was disconnected due to a landslide that occurred in the area in November 2011.

Status: The scope is being developed with an anticipated start date of Spring 2016.

Expand staff parking at the Dockweiler Maintenance Yard – \$10,000

The scope includes removing some of the landscape planters and expanding the current parking area to accommodate extra staff and shift overlaps.

Status: Project is in review and is scheduled to be finished in winter 2015/16.

Renovate restroom at Topanga Beach – \$75,000

The scope includes replacing old plumbing fixtures with modern, more efficient fixtures; replacing the partitions; adding hand dryers; replacing the tile; and painting the interior and exterior of the building.

Status: Project is in review for pricing and is due to be completed in Spring 2016.

Renovate restroom at Malibu Surfrider – \$250,000

The scope includes replacing old plumbing fixtures with modern, more efficient fixtures; replacing the partitions and benches; adding hand dryers; replacing the doors and tile; repairing the damaged sewer laterals; refinishing the floors; and painting the interior and exterior of the building.

Status: Project is in review for pricing and is due to be completed in Spring 2016.

GJ:KF:chc



October 22, 2015

Caring for Your Coast

Gary Jones
Director

Kerry Silverstrom
Chief Deputy

John Kelly
Deputy Director

Brock Ladewig
Deputy Director

TO: Beach Commission
FROM: *fn* Gary Jones, Director

SUBJECT: **AGENDA ITEM 5D – CAPITAL PROJECTS STATUS REPORT/RELATED ACTIVITIES**

Item 5D on your agenda provides the Commission with a status report on the Department's two beach capital projects.

CAPITAL PROJECTS

Supervisory District 3

No current capital projects

Supervisory District 4

(1) Beach Restrooms Refurbishment Project	<u>\$ 2,686,400</u>
GRAND TOTAL	\$ 2,686,400

(1) Beach Restrooms Refurbishment Project

The project will refurbish five beach restrooms, including two at Manhattan Beach (El Porto and 8th Street), two at Redondo Beach (Avenues I and G), and the one at Royal Palms Beach. The scope at each of the restrooms will include repair of damaged roof structure, structural masonry walls, and wood beams; ADA upgrades; replace sinks, toilets, shower heads, partitions, doors, and gates; refinish interior floors and walls; repaint exterior of the building; and upgrade electrical service panel and wall-mounted security lighting.

The project will also replace 20 stand-alone pylon showers, including 12 located along the Marvin Braude bike path at Manhattan Beach, five at Redondo Beach, two at Torrance Beach, and one at Royal Palms Beach. Also, two stand-alone drinking fountains will be replaced at Redondo Beach.

Status: Construction at Royal Palms Beach restroom began in June 2015 with completion expected by end of January 2016. Construction completion on these restrooms was extended due to additional scope, which includes replacing of internal plumbing that was not anticipated to be damaged.

Construction started at 8th Street restroom in Manhattan Beach on October 12, 2015. Construction completion is expected by end of February, 2016. The El Porto restroom is on hold until contractor confirms plumbing supplies are received.

Contractor is providing temporary restrooms during construction at all locations.

GJ:JK:CM:ce

LOS ANGELES COUNTY BEACH COMMISSION ATTENDANCE REPORT 2015

Commissioner/ Appointed by	Jan.	Feb.	March	April	May	June	July	Sept	Oct	Nov	Total Meetings Attended 2015
Barnes/ _{Knabe}			*		*		*				
Brewer/ _{Knabe}	X	X	*	X	*	X	*				
Dagit/ _{Yaroslavsky}		X	*	X	*	X	*				
Dougher/ _{Knabe}	X	X	*	X	*	X	*	X			
Kruger/ _{Yaroslavsky}	X	X	*	X	*		*				
Levy/ _{Kuehl}		X	*	X	*	X	*				
Liban/ _{Kuehl}					*	X	*	X			
McDowell/ _{Knabe}	X		*		*		*				
Milam/ _{Knabe}	X	X	*		*	X	*	X			
O'Donnell/ _{Knabe}	X	X	*	X	*		*	X			
Powell/ _{Knabe}	X	X	*	X	*	X	*	X			
Raymond/ _{Kuehl}					*	X	*	X			
Sachs/ _{Ridley-Thomas}			*	X	*	X	*	X			
Saito/ _{Solis}		X	*	X	*		*	X			
Sallee/ _{Knabe}		X	*	X	*	X	*				
Tucker/ _{Knabe}			*		*		*	X			
Ward/ _{Knabe}	X	X	*	X	*	X	*	X			
Dupont/ _{Yaroslavsky} **	X	X	*								
Woodell/ _{Yaroslavsky} **	X	X	*								
VACANT/ _{Kuehl}											
VACANT/ _{Kuehl}											
VACANT/ _{Antonovich}											

INACTIVE MEMBERS (Missed three or more meetings in a row)

** Resigned this year

No regularly scheduled meetings in August or December *=No meeting X=Present Blank=Absent