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MEETING NOTICE AND AGENDA

SHORELINE PRESERVATION WORKING GROUP

The Shoreline Preservation Working Group may take action on any item appearing on this agenda.

Thursday, December 3, 2015

11:30 a.m. to 1 p.m.

SANDAG, 7th Floor Conference Room
 401 B Street, Suite 800
 San Diego, CA 92101

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MEMBER AGENCIES

- Cities of
- Carlsbad
- Chula Vista
- Coronado
- Del Mar
- El Cajon
- Encinitas
- Escondido
- Imperial Beach
- La Mesa
- Lemon Grove
- National City
- Oceanside
- Poway
- San Diego
- San Marcos
- Santee
- Solana Beach
- Vista
- and
- County of San Diego

ADVISORY MEMBERS

- Imperial County
- California Department of Transportation
- Metropolitan Transit System
- North County Transit District
- United States Department of Defense
- San Diego Unified Port District
- San Diego County Water Authority
- Southern California Tribal Chairmen's Association
- Mexico

AGENDA HIGHLIGHTS

- **LIVING SHORELINES – A SOFT SOLUTION FOR SEDIMENT RETENTION**

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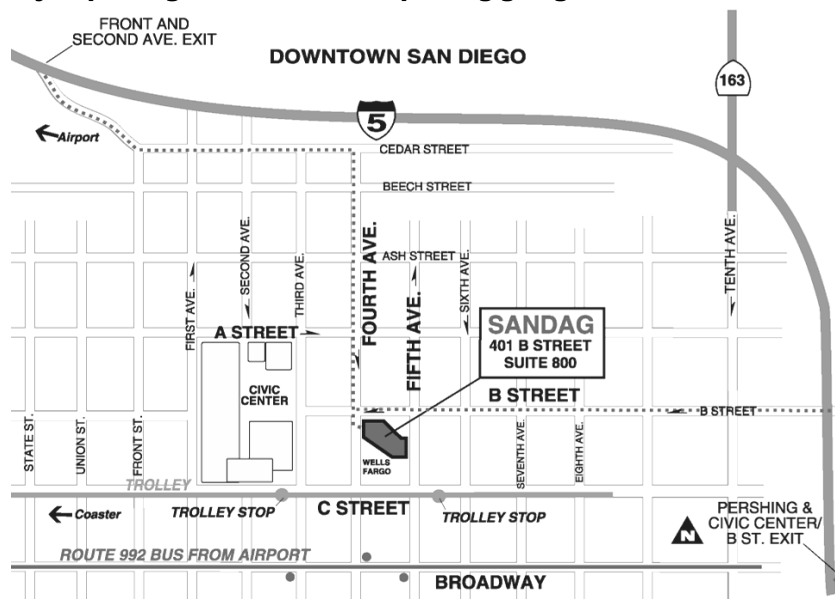
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SHORELINE PRESERVATION WORKING GROUP

Thursday, December 3, 2015

ITEM NO.		RECOMMENDATION
1.	WELCOME AND INTRODUCTIONS	
2.	PUBLIC COMMENTS/COMMUNICATIONS	
	<p>Members of the public shall have the opportunity to address the Shoreline Preservation Working Group (Working Group) on any issue within the jurisdiction of SANDAG that is not on this agenda. Anyone desiring to speak shall reserve time by completing a "Request to Speak" form and giving it to the meeting coordinator prior to speaking. Public speakers should notify the meeting coordinator if they have a handout for distribution to working group members. Public speakers are limited to three minutes or less per person. Working Group members also may provide information and announcements under this agenda item.</p>	
+3.	APPROVAL OF MEETING MINUTES	APPROVE
	<p>The Working Group is asked to review and approve the minutes from its September 3, 2015, meeting.</p>	
REPORTS		
4.	LIVING SHORELINES- A SOFT SOLUTION FOR SEDIMENT RETENTION (Eileen Maher, Port of San Diego; Brian Leslie, Moffatt & Nichol; Kathy Weldon, City of Encinitas; and Chris Webb, Moffatt & Nichol)	INFORMATION
	<p>SANDAG's Coastal Regional Sediment Management Plan acknowledges that predicted sea level rise will impact both our natural resources, such as our beaches, and infrastructure in the coastal zone. Several living shoreline (or "soft solution") projects are being considered in San Diego's coastal region to adapt to potential sea level rise and storm events. Unlike hardened structures, such as revetments or seawalls, living shoreline projects stabilize the coastline while also protecting coastal habitats and allowing the shoreline to carry out natural processes. This panel discussion will highlight some of the living shoreline projects being considered in the County of San Diego.</p>	
5.	UPCOMING MEETINGS	INFORMATION
	<p>The next meeting of the Working Group is scheduled for Thursday, March 3, 2016, from 11:30 a.m. to 1 p.m.</p>	
6.	ADJOURNMENT	

+ next to an agenda item indicates an attachment

San Diego Association of Governments
SHORELINE PRESERVATION WORKING GROUP

December 3, 2015

AGENDA ITEM NO.: **3**

Action Requested: APPROVE

SEPTEMBER 3, 2015, MEETING MINUTES

File Number 3200200

The meeting of the Shoreline Preservation Working Group (Working Group) was called to order by Supervisor Dave Roberts (County of San Diego), Chair of the Working Group, at 11:33 a.m.

1. WELCOME AND INTRODUCTIONS

Supervisor Roberts welcomed everyone to the meeting and invited attendees to introduce themselves.

The attendance sheet for the meeting is attached.

2. PUBLIC COMMENTS AND COMMUNICATIONS

There were no public comments.

3. APPROVAL OF MEETING MINUTES (APPROVE)

Councilmember Lisa Schaffer (City of Encinitas) motioned to approve the June 4, 2015, meeting minutes and Councilmember Lorraine Wood (City of Carlsbad) seconded the motion.

The Working Group approved the June 4, 2015, meeting minutes.

Action: Yes: Supervisor Dave Roberts (County of San Diego), Councilmember Lorraine Wood (City of Carlsbad), Councilmember Dwight Worden (City of Del Mar), Councilmember Shaffer (City of Encinitas), Eileen Maher (Unified Port of San Diego), Walter Wilson (U.S. Navy). No: None. Abstain: Councilmember Esther Sanchez (City of Oceanside). Absent: City of San Diego, City of Cornado, City of Imperial Beach, City of Solana Beach.

REPORTS

4. SEA LEVEL RISE: VULNERABILITY, ADAPTATION, AND REGIONAL COLLABORATION (INFORMATION)

Supervisor Roberts introduced the presentation topic and Keith Greer (SANDAG) introduced panel members Laura Engeman, Manager of the San Diego Regional Climate Collaborative

(Climate Collaborative), and Dr. Amber Pairis, California Department of Fish and Wildlife and lead for the San Diego Climate Science Alliance (CSA).

Ms. Engeman explained that the Climate Collaborative allows local cities, non-profits, and public agencies to coordinate with one another, network, and leverage each other's resources and expertise with regard to climate change planning. Ms. Engeman previously worked for the State Coastal Conservancy and the Ocean Protection Council.

Dr. Pairis added that the CSA allows members of the natural resource community to collaborate with scientists and planners to manage local communities and resources in a changing climate. Dr. Pairis has worked as a scientist and for both the state and federal government on climate change policy.

Ms. Engeman stated that the Climate Collaborative has 17 members, including 5 cities, 5 regional entities (including SANDAG), 3 academic institutions, 2 non-profits, 1 utility, and 1 philanthropic agency. These members meet on a quarterly basis. This year the Climate Collaborative was recognized by the United States Environmental Protection Agency for being an innovative model for climate leadership. In addition, Ms. Engeman is fielding questions from other cities about how the Climate Collaborative was formed and what type of regional coordination is happening in San Diego with regard to sea level rise (SLR) planning.

Ms. Engeman went on to explain that the California Coastal Commission, Ocean Protection Council, and the Coastal Conservancy have started offering climate grants to assist local jurisdictions with updates to their Local Coastal Programs (LCPs) to address SLR and coastal resilience. The cities of Carlsbad, Solana Beach, Del Mar, Imperial Beach, and the county of San Diego have received state funding. In addition, The San Diego Foundation (TSDF) awarded funding to the City of Imperial Beach to assist with the completion of a vulnerability assessment and also awarded funding to the International Council for Local Environmental Initiatives to conduct an SLR vulnerability assessment for the cities of Oceanside, Encinitas, and San Diego. These coordinated efforts allow jurisdictions to collaborate and share information with regard to SLR and coastal resiliency planning.

Ms. Engeman went into more detail about some of the local SLR projects. The City of Encinitas has received funding for a dune restoration project, the Port of San Diego is considering an oyster reef restoration project, and the Tijuana River National Estuarine Research Reserve (TRNERR) is looking into salt marsh restoration. These projects are known as "living shoreline" projects and may serve as a buffer for SLR. San Diego Gas & Electric (SDG&E) has also received funding from the California Energy Commission to look at SLR vulnerability to natural gas and electricity infrastructure. In addition, the State funded SLR model, Coastal Storm Modeling System (CoSMoS) 3.0 has been funded for the Southern California Bight. CoSMoS 3.0 is being developed by the United States Geological Survey and will depict impacts from SLR and potential extreme storm events. Three model scenarios are expected to be released at the end of September and a suite of approximately 40 scenarios is expected to be released sometime in 2016. The Climate Collaborative will be hosting a regional workshop on November 18, 2015, where developers of the CoSMoS 3.0 model will discuss scenarios, data limitations, and what might need to be added or refined as the model is updated.

Ms. Engeman explained that the Climate Collaborative hosts a monthly SLR working group to allow cities and other partners to share information. The CSA participates in these meetings to facilitate coordination between city planners and the science community. Dr. Pairis added that there is a lot of work being done around the region with regard to climate change planning. The CSA was formed in February 2015 and is working to bring together natural resource managers, scientists, researchers, local governments, tribes, and the public to safeguard local communities and natural resources from climate change impacts. The CSA is focused on three key pillars: (1) Science Based Partnerships; (2) Promote Climate Smart Conservation; and (3) Innovative Community Engagement.

Sixty-seven partners have joined the CSA, including state, local, and federal government entities, tribal partners, local research partners, conservation Non-Governmental Organizations and foundations, a number of collaborative and community partnerships, and one utility company (SDG&E). These groups are joining together to build peer to peer networks to share and exchange information. Dr. Pairis stated, as an example, that Kim Roeland from the City of San Diego is coordinating with other entities to incorporate new information on climate change planning into City planning documents.

The CSA has a vision team made up of representatives from the natural resources community, local governments, County Department of Public Health, and the Department of Food and Agriculture. These entities are working together to determine how the region can minimize the risks from climate change. As part of this vision, the CSA is supporting local SLR planning efforts.

Councilmember Shaffer (City of Encinitas) asked if both the CSA and the Climate Collaborative were looking at the broader impacts of climate change and not just coastal SLR. Dr. Pairis explained that the CSA serves the entire south coast eco-region and that SLR adaptation planning is just one part of the work supported by the CSA. Ms. Engeman added that both the CSA and Climate Collaborative serve as a bridge for the staff of local jurisdictions to help gather information on climate change, which may be informative during their planning processes.

Ms. Engeman reiterated that the Climate Collaborative hosts a monthly SLR working group. These meetings are set up with web and phone capabilities for those who cannot attend the meetings in person and allows members to share information and leverage resources and capacity with regard to SLR planning. Ms. Engeman added that the Climate Collaborative recently applied for a \$600,000 National Oceanic and Atmospheric Administration grant to assist with stakeholder outreach and communication needs to ensure that sea level modeling information is translated into usable materials for City staff and the public.

Councilmember Shaffer expressed her enthusiasm that this type of collaborative work was going on in the region to ensure that there was consistency in the modeling and the baseline information being used by local jurisdictions to plan for climate change impacts. She asked if SANDAG provided any resources to either the Climate Collaborative or the CSA and asked if either organization would be eligible to apply for grant funding through one of SANDAG's grant programs. Mr. Greer (SANDAG) responded that SANDAG is involved with both of these organizations and that the Board of Directors determines how funding for grant programs is distributed. Susan Freedman (SANDAG) added that SANDAG currently provides approximately \$15,000 per year to support the operation of the Climate Collaborative as part of the San Diego Regional Energy Partnership (SDREP). She elaborated that SDREP is comprised of several agencies represented on the Working Group: the City of San Diego, City of Chula Vista, Port of San Diego, County of San Diego, and

SANDAG. These agencies worked collectively to found the Climate Collaborative with additional support from SDG&E, TSDf, and the University of San Diego. Ms. Freedman also responded to Councilmember Shaffer's question regarding what aspects of climate change the Climate Collaborative addresses by stating that the organization supports both adaptation as well as mitigation efforts, which reduce greenhouse gas through energy efficiency, cleaner energy, and cleaner transportation options.

Councilmember Worden (City of Del Mar) commented that the State has endorsed SLR projections as a matter of policy to assist in the planning process and expressed concern that SLR projection scenarios determined to be appropriate by the Climate Collaborative's SLR working group would not be ready in the timeframe the City of Del Mar and other cities need to have their LCPs updated. Dr. Pairis clarified that the information provided by the State's 2009 Climate Adaptation Strategy serves as a baseline for SLR projections to ensure that, at a minimum, cities utilize a minimum SLR projection in their planning process. However, cities are not limited to that baseline projection and Dr. Pairis explained that the Climate Collaborative's SLR working group and the CSA's technical advisory group are working to identify a range of baseline SLR scenarios that would provide consistency in local planning processes. Ms. Engeman added that the November workshop would allow city planners to be in the same room with scientists to engage in discussions about SLR projections with the goal of reaching some general consensus on what SLR scenarios will be planned for in the future. Gabe Buhr (California Coastal Commission [Commission]) commented that at the Commission's August meeting, the Commission adopted their final SLR guidance document and noted that the best available science is recognized as an appropriate level of SLR to use in the planning process.

Councilmember Shaffer asked if there was a way to have either Dr. Pairis or another scientist speak at a City Council meeting to explain SLR research and modeling. Dr. Pairis explained that she could assist local city councils in organizing speakers to suit their needs based on the audience and the needs of the group. Councilmember Shaffer asked for clarification on the content of the November 18 workshop. Ms. Engeman responded that it would be a public workshop and would likely have both a public discussion and a technical science component. Danielle Boudreau (TRNERR) added that as part of the City of Imperial Beach resiliency grant funding, TRNERR would be having a workshop with City of Imperial Beach councilmembers and staff in November and would be happy to share any lessons learned about communicating information about climate change and SLR to council staff with other local jurisdictions.

Supervisor Roberts offered San Diego County space for the November 18 meeting and expressed his gratitude for the informative presentation.

5. UPCOMING MEETINGS (INFORMATION)

The next meeting of the Shoreline Preservation Working Group is scheduled for Thursday, December 3, 2015, from 11:30 a.m. to 1 p.m.

6. ADJOURNMENT

Supervisor Roberts adjourned the meeting at 12:36 p.m.

**SHORELINE PRESERVATION WORKING GROUP
 MEETING ATTENDANCE FOR September 3, 2015**

JURISDICTION/ORGANIZATION	NAME	ATTENDING
County of San Diego	Supervisor Dave Roberts, Chair	Yes
City of San Diego	Councilmember Lorie Zapf, Vice Chair (Primary)	No
	Council President Sheri Lightner (Alternate)	No
City of Carlsbad	Councilmember Lorraine Wood (Primary)	Yes
City of Coronado	Councilmember Bill Sandke (Primary)	No
	Councilmember Richard Bailey (Alternate)	No
City of Del Mar	Councilmember Dwight Worden (Primary)	Yes
City of Encinitas	Councilmember Lisa Shaffer (Primary)	Yes
	Councilmember Tony Kranz (Alternate)	No
City of Imperial Beach	Mayor Pro Tem Brian Bilbray (Primary)	No
	Councilmember Robert Patton (Alternate)	No
City of Oceanside	Councilmember Esther Sanchez (Primary)	Yes
	Deputy Mayor Chuck Lowery (Alternate)	No
City of Solana Beach	Councilmember Mike Nichols (Primary)	No
	Mayor Lesa Heebner (Alternate)	No
San Diego Unified Port District	Commissioner Garry Bonelli (Primary)	No
	Eileen Maher (Alternate)	Yes
United States Navy	Mitchell Perdue (Primary)	No
	Walter Wilson (Alternate)	Yes

ADVISORY MEMBERS LISTED BELOW (ATTENDANCE NOT COUNTED FOR QUORUM PURPOSES)		
California Coastal Commission	Gabe Buhr	Yes
National Marine Fisheries Service	Bryant Chesney	No
State Dept. of Boating & Waterways	Steve Watanabe	No
State Dept. of Fish and Wildlife	Loni Adams	No
State Department of Parks and Recreation	Darren Smith	No
State Lands Commission	Jane Smith	No
U.S. Army Corps of Engineers	Heather Schlosser	No
California Coastal Coalition	Steve Aceti	No
California Lobster and Trap Fisherman's Association	August Felando	No
Coastal Environmental Rights Foundation	Marco Gonzalez	No
Scripps Institution of Oceanography	Michele Okihiro	No
Southern California Tribal Chairmen's Association	Vacant	No
Surfrider Foundation	Julia Chunn-Heer	Yes

Other Attendees:

Amber Pairis, California Department of Fish and Wildlife
 Annabelle Bernabe, City of San Diego
 Carl Stiehl, City of Carlsbad
 Chris Webb, Moffat & Nichol
 Dani Boudreau, Tijuana River National Estuarine Research Reserve (TRNERR)
 Daniel Schwartz, City of San Diego
 Greg Hearon, Coastal Frontiers
 Jim Nakagawa, City of Imperial Beach
 Kathy Weldon, City of Encinitas
 Kim Roeland, City of San Diego
 Laura Engeman, San Diego Regional Climate Collaborative
 Leslea Meyerhoff, City of Solana Beach
 Mark Francois, Seacoast Preservation Association

Clare Kane, SANDAG
 Keith Greer, SANDAG
 Michelle Martinez, SANDAG
 Rob Rundle, SANDAG
 Sarah Pierce, SANDAG
 Shelby Tucker, SANDAG
 Susan Freedman, SANDAG