

Meeting Summary

City of Pacifica Sea Level Rise Technical Work Group Meeting #1

Tuesday, January 23, 2018

2:00 to 4:00 p.m.

**Pacifica City Council Chambers
2212 Beach Blvd., 2nd Floor, Pacifica, CA 94044**

Welcome, Introductions and Agenda Review

Ben Gettleman, facilitator, welcomed technical work group (TWG) members and invited introductions. He continued by reviewing the meeting objectives and agenda.

Local Coastal Plan Background

Tina Wehrmeister, City of Pacifica, provided an overview of local coastal plans (LCP), which are utilized to inform policies that guide development within coastal zones. These policies are developed under the context of the Coastal Act, which also entitles permit authority to the Coastal Commission in coastal zones. The Coastal Act requires that a city or county submit its LCP to the Coastal Commission for approval of adoption. Once an LCP is adopted, the Coastal Commission transfers permitting authority of coastal zones to the city or county while the Coastal Commission retains permanent coastal permit jurisdiction over tidelands, submerged lands, and public trust lands.

Tina continued by reviewing the current status of Pacifica's LCP. The City has prepared a Draft LCP Update to its existing LCP, which was adopted in 1980. The Draft Update has not been approved by the City nor does it currently consider impacts from sea level rise (SLR) or provide comprehensive SLR adaptation policies. As such, the City is developing an SLR Adaptation Plan, which will be incorporated into the Draft LCP Update and bring the document into compliance with the Coastal Commission's policy directives for LCP certification. The Adaptation Plan will identify potential vulnerabilities within Pacifica resulting from SLR, coastal erosion, flooding and severe storms, and also identify options available to help prepare for future climate change impacts. Community benefits of the LCP Update process include:

- Bolster efficacy of public safety efforts
- Help respond to climate change
- Preserve housing and enhance environmental justice
- Promote local economic vitality
- Preserve and enhance coastal access

Sea Level Rise & Adaptation Planning Process

James Jackson, Environmental Science Associates (ESA), reviewed the Coastal Commission's process guidance for sea level rise and adaptation planning and noted the City's progress within this process. After having identified SLR projections and potential impacts, the City is currently assessing risks to coastal resources and infrastructure. Once the City has completed this assessment, it will identify one of

the following for adaptation measures and LCP policy options, per the guidance of the Coastal Commission:

- Accommodate: establishing siting and design standards; retrofitting existing structures; and stormwater management.
- Protect: developing hard protection (i.e. sea walls) and/or soft protection and soft shorelines and establishing and protecting agricultural barriers as a means of flood protection.
- Retreat: limiting new development in hazardous areas and areas adjacent to wetlands, environmentally sensitive habitat areas, and other habitats; removing vulnerable developments; and promoting preservation and conservation of open space.
- Hybrid: accommodating existing developments over the short-term and relocation of them over the long-term; updating land use designations and zoning ordinances; and instituting redevelopment restrictions and permit conditions.

Once an adaptation measure and/or LCP policy option has been identified, proposed updates to the current LCP will be reviewed by the City of Pacifica's Planning Commission and City Council before being submitted to the Coastal Commission for approval.

James continued by discussing the TWG's roles throughout the process, which include assisting in the identification of data gaps, identifying key considerations and perspectives of TWG member agencies, and providing feedback on draft deliverables. Future deliverables include the identification of adaptation strategies and a corresponding cost-benefit analysis of those strategies as well as a draft adaptation plan and draft policy language for the Pacifica LCP update.

Draft Sea Level Rise Vulnerability Assessment

James then discussed ESA's approach for developing the draft SLR Vulnerability Assessment, including incorporating the following elements and studies conducted by nonprofits and federal, state, and regional agencies:

- SLR Scenarios for 2050 and 2100 that are in-line with the Coastal Commission's guidance and the State of California's projection
- Hazard data pertaining to coastal flooding and erosion, via FEMA, Our Coast Our Future, the Pacific Institute, and the San Francisco Recreation and Parks Department
- Hazard exposure relating to long-term erosion and tidal inundation, storm wave damage, and storm flooding
- The identification of public access locations, recreational areas, and built and natural assets as well as data gaps pertaining to asset identification (discussed in further detail below).

James concluded by reviewing asset data gaps that ESA is hoping to address through collaboration with TWG member agencies. These gaps include the locations of drinking water resources, AT&T communications and Pacific Gas & Electric Infrastructure, additional public access and recreation areas, natural assets (i.e. critical species habitat), and economic considerations that will inform the cost-benefit analysis of adaptation strategies. James requested that TWG members provide information on data gaps and any feedback they may have on the draft Vulnerability Assessment by February 28, 2018.

Following the presentations, City staff and ESA staff responded to questions from TWG members. A summary of this discussion is captured below.

- Comment (C): San Francisco Parks & Recreation has been working with the Coastal Commission on species mapping in Pacifica that can be shared.
- C: While Sharp Park is not a critical habitat, it is a recognized area with significant populations of sensitive species, including Snowy Plover.
- C: Through a study conducted by Stanford University, the County of San Mateo has mapped the number of visitors to public use areas in Pacifica. The County also has PG&E data, however, it cannot be shared publicly. The County will look to work with PG&E to determine what information can be shared.
- Question (Q): Are the assets being considered in the LCP restricted to Pacifica's coastal zone and/or projections for SLR in 2050 or 2100?
 - Response (R): All assets within the coastal zone, as well as those the Linda Mar neighborhood, that could be impacted by coastal erosion or flooding will be considered. Please provide any data on assets that you feel may be within 2050 or 2100 SLR projections.
- Q: How will the Vulnerability Assessment lead to various adaptation planning options? Will adaptation options be considered equally regardless of specific locations or cost? Developing a menu of options and how decisions will be made with respect to those options would be of value to TWG members.
 - R: The decision-making process will be addressed in the Adaptation Plan. As required by the Coastal Commission, the City will consider all options and consider the preference and appropriateness of each by location. ESA will lay out all options and the City (with public input) will determine which options will be included in the submission to the Coastal Commission.

Mapping Exercise

Following the question and answer session, James introduced a mapping exercise in which TWG members were provided an opportunity to locate various assets throughout Pacifica. Maps indicating public access, recreation, ecology, land use, and hazard mitigation were provided of the Sharp Park, Fairmont, Manor, Rockaway, and Linda Mar neighborhoods. TWG members were asked to place post-it notes on the various maps to indicate high use areas, areas of concern, areas where they have missing asset data, and/or areas where there are existing adaptation SLR plans. A summary of input provided during this exercise is available in Appendix A.

Action Items and Next Steps

After the mapping exercise, Ben reconvened TWG members and concluded the meeting by recapping action items and next steps for the TWG, noting the following:

- The meeting agenda and PPT presentation are available for reference on the Public Participation page of the project website.
(http://www.cityofpacific.org/depts/planning/sea_level_rise_public_participation.asp)
- All documents discussed during the meeting are available in the Deliverables section of the Project website: www.cityofpacific.org/sealevelrise. TWG members were asked to review the

Draft Sea Level Rise Vulnerability Assessment and send any comments on the draft to Bonny O'Connor (sealevelrise@ci.pacifica.ca.us), Assistant Planner, City of Pacifica, by **February 28, 2018**.

- Kearns & West will develop a meeting summary which will be shared with TWG members and posted on the City's website.
- The first Pacifica Sea Level Rise public workshop will occur on Tuesday, February 13th at 6:00 pm (Pacifica Council Chambers, 2212 Beach Blvd., 2nd Floor).
- The next TWG meeting is anticipated to be held in May 2018.

Appendix A: Mapping Exercise to Identify Pacifica's Coastal Resources

Linda Mar

- There is no sewer service in the Shelter Cove area
- Pacifica State Beach attendance numbers and permit/usage info
- Add Western Snowy Plover habitat at Pacifica State Beach
- Add CRLF habitat to San Pedro Creek and Pedro Point

Manor

- USACE started Federal Interest Determination (FID) for Milagra Creek outfall. FID's status is uncertain
- Storm drain alignment update
- Add beach access
- Two homes were demolished

Fairmont

- Updated storm drain outfall alignment
- USACE started FID on Esplanade Avenue erosion. Status of study is uncertain
- California State Lands Commission has lease rock revetment adjacent to 528-572 Esplanade Avenue

Rockaway

- What about the wastewater treatment plant? Is this considered in the danger zone?
- Flood mitigation banks in quarry?

Sharp Park

- Add Western Snowy Plover habitat at Sharp Park Beach
- Future stairways to beach and overlook
- California coastal trail/emergency access route
- Coastal Commission retained jurisdiction (former tidal lands)
- Information on permitted activities beach
- CRLF & SFGS habitat maps
- State Lands Commission leases at: fishing piers; sewer outfall; riprap adjacent to Beach Boulevard, between Bella Vista Avenue and Santa Rosa Avenue; storm water outfall at Clarendon Avenue and Beach Boulevard.
- Recognize wetlands as flood control structure and natural asset flood control

Appendix B: Meeting Attendees

Name	Organization
<i>Technical Work Group Members</i>	
Ray Donguines	City of Pacifica, Engineering Department
Kelsey Ducklow	California Coastal Commission
Andrew Gillings	California Office of Emergency Services
Katie Hart	San Francisco Bay Regional Water Quality Control Board
Kelly Keen	California State Lands Commission
Joanne Kerbavaz	California State Parks
Wendy Leardley	Office of Emergency Services
Jessica Lovering	United States Geological Survey
Patrick O'Brian	United States Army Corps of Engineers
Andrea O'Neil	United States Geological Survey
Van Ocampo	City of Pacifica, Public Works Department
Mike Perez	City of Pacifica, Parks, Beaches, and Recreation Department
Spencer Potter	San Francisco Parks & Recreation
Melissa Rosa	National Oceanic and Atmospheric Administration
Jasneet Sharma	County of San Mateo
Joe Spanheimer	City of Pacifica, Police Department
Brian Stokle	San Francisco Parks & Recreation
Louis Sun	City of Pacifica, Wastewater District
Hilary Walacka	California Coastal Conservancy
Megan Walton	California Office of Emergency Services
James Zoulas	United States Army Corps of Engineers
<i>Members of the Public</i>	
Bridget Duffy	R Evolution Solutions
Andrew Gillings	California Office of Emergency Services
Wendi Leadley	California Office of Emergency Services
Patrick O'Brian	United States Army Corps of Engineers
Melissa Rosa	National Oceanic and Atmospheric Administration
Brian Stokle	San Francisco Parks & Recreation
<i>City of Pacifica/Support Staff</i>	
Bonny O'Connor	City of Pacifica, Planning Department
Tina Wehrmeister	City of Pacifica, Planning Department
Kevin Woodhouse	City of Pacifica, City Manager's Office
Bob Battalio	ESA
James Jackson	ESA
Phil King	Consultant
Ben Gettleman	Kearns & West
Matt Marvin	Kearns & West