

CALIFORNIA COASTAL COMMISSION

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September 11, 2017

TO: California Coastal Commission and Interested Parties

FROM: John Ainsworth, Executive Director

SUBJECT: Executive Director's Report, September 2017

Significant reporting items for the month. [Strategic Plan](#) (SP) reference provided where applicable:

LCP Program Status – San Luis Obispo County (SP Goal 4)

The Central Coast District (District) stretches from the San Mateo/Santa Cruz County border near Año Nuevo State Reserve in the north to San Luis Obispo County's southern border near the Guadalupe Dunes in the south, and constitutes nearly 300 miles of coastline. The Monterey Bay National Marine Sanctuary is located offshore of the majority of this coastline. The District has three coastal counties (Santa Cruz, Monterey, and San Luis Obispo) and 12 incorporated cities (Santa Cruz, Capitola, Watsonville, Marina, Sand City, Seaside, Monterey, Pacific Grove, Carmel, Morro Bay, Pismo Beach, and Grover Beach) each with a certified LCP, with the exception of the Cities of Monterey and Pacific Grove. There are also four major harbors (in Santa Cruz, Monterey, Morro Bay, and Port San Luis), numerous State Parks' Public Works Plans, and one coastal long range development plan (for the University of California at Santa Cruz's Marine Science Campus).

The Central Coast District's coastal zone is diverse, with both rugged and more pastoral rural areas interspersed between population centers. Planning issues include protecting agriculture and scenic rural areas and responding to coastal erosion and sea level rise in the more urban parts of the District. The District also has significant public park lands and popular visitor destinations, intensifying the need to provide visitor-serving facilities and opportunities. Each of the District's LCPs within San Luis Obispo County are summarized below (Santa Cruz and Monterey Counties and their incorporated cities will be detailed in an Executive Director's report for a future Commission meeting held in the Central Coast District).

San Luis Obispo County

San Luis Obispo County is located along 107 miles of California's temperate Central Coast, between Guadalupe Dunes in Santa Barbara County to the south and the Big Sur coast area of Monterey County to the north. Several major unincorporated communities are located within the San Luis Obispo County coastal zone, including Cambria, Cayucos, Los Osos, Avila Beach, and Oceano. About 251 square miles out of the County's overall 3,616 square miles is located in the coastal zone. This coastal zone area is diverse, both varied in terrain and use, and includes significant beaches, dune areas, rocky headlands, and vast woodland areas mixing with recreational uses, agriculture, visitor-serving facilities and ports, such as Port San Luis in Avila Beach. The San Luis Obispo County LCP was originally certified in 1988. Although the County has no plans for a comprehensive LCP update at this time, the County continues to pursue modifications to components of the LCP. Perhaps the most significant at this juncture is the County's ongoing development of an updated LCP Community Plan for the Los Osos community. Major resource issues in Los Osos include availability of water as well as the presence of significant environmentally sensitive habitat areas.

There are three cities within San Luis Obispo County with certified LCPs: Morro Bay, Pismo Beach and Grover Beach. Each of these is discussed below.

City of Morro Bay

The City of Morro Bay is located in San Luis Obispo County between the unincorporated areas of Cayucos and Los Osos. The City is approximately six square miles in size and includes large portions of the Morro Bay Estuary, Morro Bay State Park, and Atascadero Beach State Park. Almost all of Morro Bay is located within the coastal zone. Morro Bay provides a large number of important visitor-serving and recreational facilities, and is a popular visitor destination point along the Central Coast. Most of these facilities are concentrated along the bayfront area known as the Embarcadero, which abuts a commercial fishing and recreational boating harbor. Many significant coastal visual resources are located within Morro Bay including Morro Rock, the Morro Bay Estuary, and the surrounding foothills. Additionally, developed portions of Morro Bay, particularly the harbor facilities along the Embarcadero, constitute significant scenic aspects of the City. Morro Bay's LCP was first certified in October 1982, and it was last significantly updated in 1995. The City has recently been awarded several grants to help support a new LCP update effort, including to address coastal hazards, the development of a new wastewater treatment plant, potential reuse at and around the former Morro Bay Power Plant site, and continued enhancement of the visitor-serving and recreational areas at and along the Embarcadero. In particular, by leveraging grant funds from the Ocean Protection Council and two grant rounds from the Commission, the City has completed a sea level rise vulnerability assessment, and is working to complete technical studies related to environmentally sensitive habitat areas within the Morro Bay estuary, lateral access opportunities, an inventory of lower-cost accommodations, and the modelling and evaluation of possible sea level rise adaptation strategies. Commission staff continues to work closely with the City on this LCP update effort.

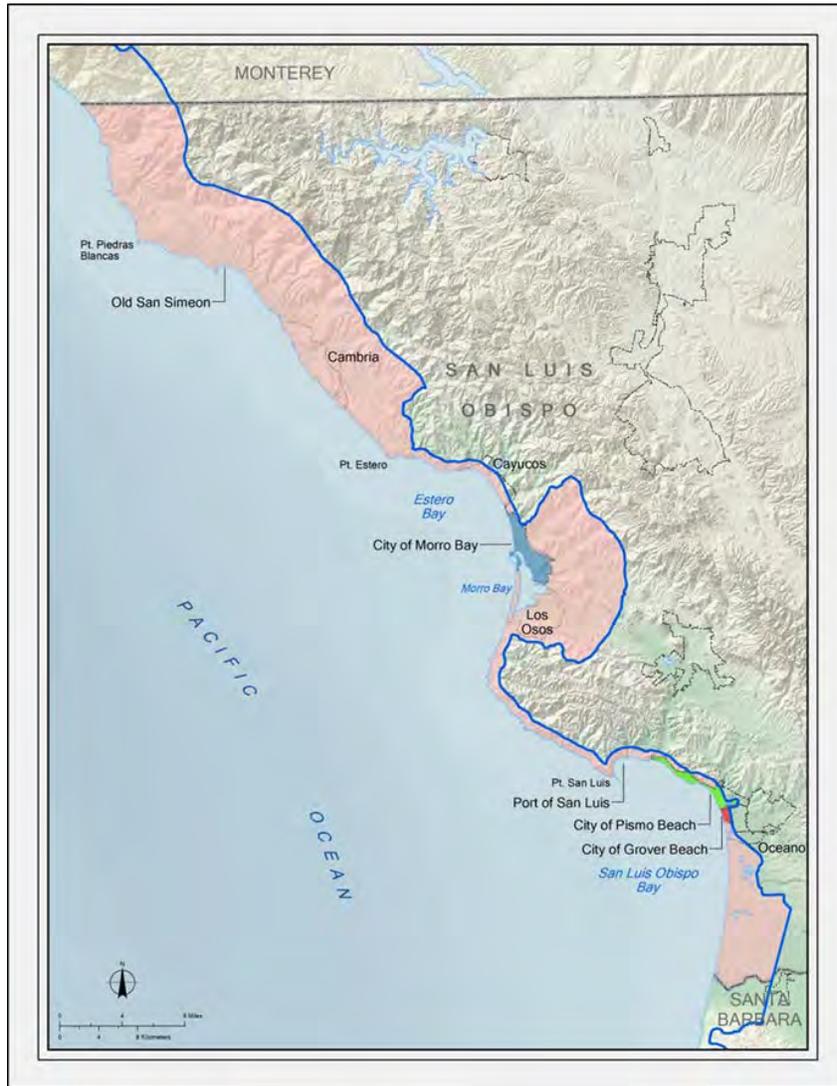
City of Pismo Beach

The City of Pismo Beach stretches along the shoreline for approximately seven miles, and most of the City lies within the coastal zone. The northwestern half of the City is generally confined by steep hillsides that rise to 1,000 feet in some areas and form a magnificent open-space backdrop to the City's northern neighborhoods and the beaches below. A series of recreational beaches stretch to the south, ultimately connecting to and including the beach and dune areas associated with the Oceano Dunes State Vehicular Recreational Area. Mobile home parks, RV parks, and camping areas extend along many of these beaches. North of the downtown, the shore is lined with steep cliffs up to 100 feet above ocean level. Much of this area nearest downtown is developed with larger hotels and restaurants. The remainder of the City is generally made up of the downtown area and residential neighborhoods with smaller beach oriented cottages and apartments in southern Shell Beach and the downtown area, and larger and newer homes and condos east of Highways 1 and 101 and in the northern Shell Beach and Palisades areas. Significant public access is available along much of the City's bluffs, with trail connections extending to the Avila Beach area to the north and to the City of Grover Beach to the south. Pismo Beach's LCP was first certified in 1984, and it was last significantly updated in 1993. The City received a Round 4 LCP Grant in August 2017 to complete technical studies and to draft LCP provisions related to sea level rise, short-term rentals, and low-cost visitor-serving accommodations. This project is intended to be the first phase of a broader effort to update the City's LCP.

City of Grover Beach

The City of Grover Beach is located in southern San Luis Obispo County, just south of the City of Pismo Beach and north of the unincorporated community of Oceano. The City's coastal zone is roughly one-half square mile in size. The coastal zone is generally bisected by Highway 1, with the beach, dunes, and visitor-serving facilities of Pismo State Beach on the west side of the highway, and urbanized residential, commercial, and industrial neighborhoods on the east side of the highway. The City's LCP was originally certified in 1982. The LCP was updated in January 2000, and was recently comprehensively updated in

August of 2014. The 2014 update included new protections for environmentally sensitive habitat, including wetlands and other sensitive habitats; new provisions to address sea level rise and flood hazards; and the re-zoning of parcels located within the urbanized portion of the coastal zone to accommodate additional visitor-serving development. After extensive collaboration between City and Commission staff, the comprehensive update was approved by the Commission as submitted by the City.



Sea Level Guidance Implementation and Outreach (SP 3.1)

Commission staff have been providing regular outreach and training sessions to support implementation of the Commission's Sea Level Rise (SLR) Guidance and in support of LCP Grant work. In August staff participated in several events:

Development in the Coastal Zone in an Era of Rising Seas - SF & LA County Bar Association

On August 15th, Chief Counsel Chris Pederson participated in a panel presentation entitled "Development in the Coastal Zone in an Era of Rising Seas." The Bar Association of San Francisco and the Los Angeles County Bar Association co-sponsored the event.

Summit for the Central Coast Climate Collaborative.

On August 23rd, Coastal Commission staff attended the Inaugural Summit for the Central Coast Climate Collaborative. This climate collaborative includes the coastal counties from Santa Cruz through Ventura, as well as San Benito. Like other climate collaboratives throughout the state, it is intended to engage community leaders to address climate change mitigation, adaptation, and resilience at the regional level. The Inaugural Summit brought together state and local climate leaders to discuss regional climate change vulnerabilities, as well as challenges and lessons learned from other climate collaboratives.

Meetings and Events

Association of Women in Water, Energy and the Environment

On August 24th Legislative Director, Sarah Christie participated in a panel discussion at the Association of Women in Water, Energy and the Environment meeting in Monterey Park. She gave a presentation on the history of Proposition 20 and the Coastal Act.

Draft Coastal Commission Tribal Consultation Policy

On August 18, 2017, Commission staff circulated a Draft Coastal Commission Tribal Consultation Policy, with a cover letter, to each of the 200 tribal representatives on the mailing list that the Native American Heritage Commission provided us. The cover letter requested feedback from the Tribes within 30 days of their receipt of the Policy. We have since received feedback indicating that tribes will be commenting, although we haven't yet received substantive comments. Once we get the feedback from the Tribes, we will schedule two public hearings for consideration of the policy - one in southern California and one in northern California. When we do, we will list the comments, respond to them, and make any modifications to the Policy that may be warranted, based on the comments.

Status of Draft Coastal Commission Environmental Justice Policy & Staff Training

On Tuesday, Sept. 5th in Sacramento the Commission's Environmental Justice (EJ) team and members of the Commission's management team completed our first EJ training. This was a joint training with the State Lands Commission EJ team members and management.

The training was conducted by five trainers from Cal EPA, the Office of Environmental Health Hazard Assessment and Cal Recycle who discussed the history and principles of EJ, key legislation, case studies and best practices for outreach. They demonstrated how to use mapping and screening tools such as CalEnviroScreen to identify vulnerable communities and assess population characteristics. The trainers also talked at length about outreach and communication techniques and applications in the Commission's work.

Staff is also been preparing for a public EJ webinar on October 24 specifically targeted for EJ groups across the state. The webinar will provide an introduction to the Commission's EJ efforts and outreach plan to develop an EJ policy. After the webinar is concluded, the newly trained EJ Team members will begin the outreach phase to solicit feedback for the new Commission EJ policy.

The current EJ outreach work plan timeline is to begin statewide outreach in October, and continue with focused outreach from November 2017 through April 2018. Feedback and comments will be integrated into a draft policy which will be brought to the Commission in the summer of 2018. This is the current working framework, however, before we fully commit to this timeline, we want to hear from participants in the webinar to get their input.

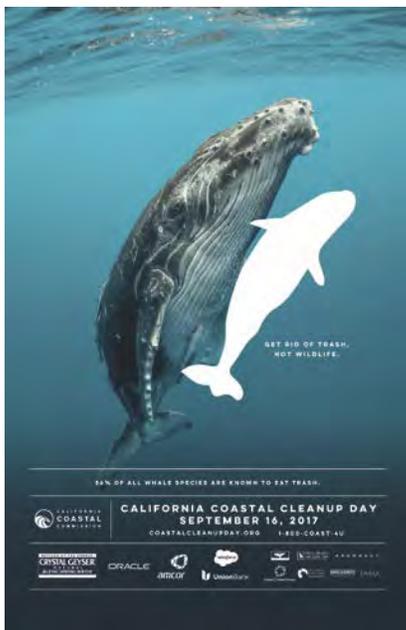
LCP Grant Status Reports (SP 4.1 & 4.2)

The Commission LCP Grants awarded for FY 2014-2015 (Round 2) are nearing completion, work has begun on the Round 3 grants, and the Round 4 grants will be executed soon. For the 13 Round 2 grants, there has been a significant amount of sea level rise technical work, as well as LCP policy development and public outreach (see [Attachment A](#)). For the 14 Round 3 grants, work programs have been finalized and work has begun (see [Attachment B](#)).

Coastal Clean Up Day, September 16th

Reminder that on Saturday, September 16th, the Commission will be celebrating the 33rd Annual California Coastal Cleanup Day. This is the Commission's largest public event, drawing more than 60,000 volunteers to California's beaches and inland waterways every year. Since the Commission began Coastal Cleanup Day in 1985, it has grown to become the state's largest annual volunteer event, and when combined with the International Coastal Cleanup, organized by the Ocean Conservancy, the largest such event in the world. During the past 32 years, over 1.4 million volunteers have removed over 23 million pounds of trash, helping to keep our state's beaches and ocean free of debris at the end of the beach-going season. The Cleanup is a fantastic entry point for Californians, young and old, and from across the spectrum of our population, to learn about coastal stewardship, the Commission's role in protecting our coast, and how they can become further involved in our efforts to keep the California coast clean, safe, and open to everyone. This will be the Commission's largest cleanup to date, covering 55 of California's 58 counties. More information about Cleanup Day, including a comprehensive site map of cleanup locations around the state, is available on the Commission's public education webpage [here](#).

The three weeks following Coastal Cleanup Day are celebrated as "Coastweeks," and the Coastal Commission creates a calendar of events related to the coast and inland waterways taking place all over California. Hundreds of events are included, hosted by many organizations and local governments. Groups can continue to submit events to PE staff to be included in the event calendar (<http://www.coastal.ca.gov/publiced/coastweeks>).



Coastal Trail Videos (SP 1.4)

The Coastal Commission funded a series of short videos about segments of the California Coastal Trail along California's coast. The videos are produced by Rigler Creative with support of a Commission Whale Tail grant and grants from the Coastal Conservancy to the International Documentary Association. This series of videos about the coastal trail originally started at the San Diego border and the producers are working their way up the coast. Last year the series focused on the central coast. This year the video series continues north from San Francisco up through Sonoma County. The new videos have now just started to be posted at <https://www.kcet.org/shows/california-coastal-trail>. The new videos are also available through the Commission's website, the Public Education YouTube channel, and on social media.

This month we are highlighting the video featuring the Moonstone Beach segment of the Coastal Trail in Cambria:

<https://www.kcet.org/shows/california-coastal-trail/moonstone-beach-where-elephant-seals-roam>.

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**ATTACHMENT A****8th Status Report on Round 2 Local Coastal Program Grants**

The following is a summary of the work completed under the 13 Local Coastal Program Grant agreements (listed from North to South) awarded in Fiscal Year 2014-2015 from April 1, 2015 through June 30, 2017. Funds spent up to June 30, 2017 total \$1,484,520.64 of \$2,015,750.00 awarded.

1) Humboldt County – Grant Total \$125,000

- **Project Summary:** Humboldt County will complete a comprehensive update of the Humboldt Bay Area Plan, which was certified in 1982 and governs the use of approximately 21,500 acres of land around Humboldt Bay and over 20 miles of Pacific coastline. The Local Coastal Program (LCP) update includes regional coordination with the Cities of Eureka and Arcata (two local governments that hold jurisdiction within the Humboldt Bay Coastal Zone and are in the process of updating their own LCPs), establishing baseline environmental and community conditions, completing a sea level rise risk assessment, and directing policy initiatives to give priority protection for coastal-dependent land uses. The grant will also support Humboldt Bay-wide tsunami safety planning and foster public engagement.
- **Work Completed:** The County has continued to coordinate closely with the Humboldt Bay Sea Level Rise Adaptation Planning Working Group and with Coastal Commission district staff (Task 1) in preparation of the Baseline Conditions and Sea Level Rise Sensitivity Analysis Report that is underway (Task 2). The County also co-sponsored a workshop on Adapting to Sea Level Rise on Humboldt's Agricultural Land, with participants discussing sea level rise projections, impacts to agriculture, adaptation strategies, and planning and permitting. In preparation of developing SLR policy options (Task 4), the County has reviewed the Commission's SLR policy guidance and has coordinated with its public works department to obtain input on risk assessment approaches related to hazard mapping. Public outreach has also been maintained through an informational website displaying the LCP update process for community members and interested parties; more recently, the County has publicized the upcoming forum on Adapting to Sea Level Rise on Humboldt Bay's Agricultural Lands, scheduled for early May. For Humboldt Bay-wide tsunami safety planning (Task 3), the County has continued to coordinate with the National Oceanic and Atmospheric Administration regarding Tsunami Ready Status for unincorporated communities in Humboldt County, as well as meeting with regional agencies and stakeholders to discuss new tsunami mapping techniques and modelling. Lastly, the County is working with Commission Staff to amend its grant agreement and extend its work program out until December 2018.
- **Grant Term:** April 27, 2015 - April 30, 2018

2) **City of Trinidad** – *Grant Total \$80,000*

- **Project Summary:** The City of Trinidad will complete a comprehensive update of its Local Coastal Program (LCP) to address climate change and current community conditions. The grant project includes: certification of the Trinidad Harbor Area of Deferred Certification; development of a cultural resources element of the Land Use Plan, with an emphasis on the Tsurai Study Area, and incorporation of policies and recommendations of the Tsurai Management Plan; integration of policies and adaptation measures to address the impacts of climate change, and in particular sea level rise; coordination and consultation with Coastal Commission staff and other stakeholders; revision of the Implementation Plan; and adoption and certification of the LCP.
- **Work Completed:** The City of Trinidad has continued with its efforts to coordinate with targeted stakeholders over the LCP update process, with two recent meetings held on the Harbor Area (Task 1). The City has also continued to respond to inquiries from the public and has provided regular updates to the Planning Commission and the City Council, while public informational sessions have been held to respond to General Plan and LCP-related inquiries from community advocacy groups, such as the Trinidad Rancheria (Task 1). Data collection and analysis of local climate change and adaptation resources has been completed (Task 2). This has resulted in the draft Climate Change Vulnerability Report being posted online, with sea level rise and tsunami hazard maps now completed (Task 2). The City has also worked to identify where Climate Change is already addressed in the LCP and has drafted additional policies and recommendations based on the Vulnerability Reports to incorporate into the LCP (Task 2). The City has also completed and submitted a draft of its Needs Assessment for the Implementation Plan (IP), with no additional work occurring this quarter (Task 3). The City has also continued to consult with (and encourage further input from) Tribal entities for the purpose of incorporating the Tsurai Management Plan into the LCP. The City has met with the Tsurai Ancestral Society, the Yurok Tribe and the Trinidad Rancheria over the development of a Cultural Resources Element in the LUP (Task 4). The City has also coordinated with relevant stakeholders in the development of policies and regulations for the Trinidad Harbor Area of Deferred Certification, with a stakeholder contact list developed and research on Tribal Trust transfer issues drafted (Task 5). For its work on updating the LCP (Task 6), the City has commenced with updating individual LCP policies related to public access and recreation. Lastly, the City has worked with Commission Staff to amend its grant agreement and extend the grant term to October 2018 to allow for more time to complete the grant project.
- **Grant Term:** April 13, 2015 – October 31, 2018

3) **City and County of San Francisco** – *Grant Total \$173,750*

- **Project Summary:** The City and County of San Francisco will amend its Local Coastal Program (LCP) to reflect the Ocean Beach Master Plan (2012), as well as add more general policies to address sea level rise adaptation. LCP policies will be based on best available science, including the Federal Emergency Management Agency and San Francisco Public Utilities Commission sea level rise and coastal flood hazard

studies and adopted guidance from the National Research Council and Coastal Commission. The LCP Amendment includes an extensive public outreach component, a review of existing data and assessments on sea level rise (SLR), policy development, and submittal of the LCP Amendment to the Coastal Commission.

- **Work Completed:** The City and County of San Francisco has completed its Public and Agency Engagement Plan (Task 1), including the engagement vision, goals, and objectives. The strategy of the Public and Agency Engagement Plan is to establish communication and public participation programs to be implemented by the City and County during the LCP Amendment process, while also representing a continuation of the Ocean Beach Master Plan's multi-stakeholder engagement process. Recent public and agency engagement-related activities include a public engagement meeting held in May 2017. The City and County has also completed a final draft of the Existing Data and Analysis summary, including technical LCP appendices (Task 2). In collaboration with FEMA, the City and County has also obtained data and maps for its completed FEMA Open Coast SLR Pilot Study. The City and County has also developed draft policy language for its LCP Amendment and submitted a draft to the Planning Commission and Coastal Commission in May 2017 (Task 3). For the approval process of the LCP Amendment, the City and County has submitted its Planning Commission Hearing Packet, which was approved in March 2017. The City and County is currently working with Commission Staff on potential revisions (Task 4).
- **Grant Term:** May 1, 2015 - December 31, 2017

4) **City of Monterey** – *Grant Total \$235,000*

- **Project Summary:** The City of Monterey will prepare a new Local Coastal Program (LCP) that consolidates five coastal planning subareas – Cannery Row, Harbor, Del Monte Beach, Skyline and Laguna Grande – into one LCP for the City. The grant project includes a public outreach program; an existing conditions and issues assessment encompassing risks from sea level rise, tsunamis, flooding, and fire; development of LCP visions and goals; and the preparation of the LCP and its submittal to the Coastal Commission.
- **Work Completed:** As part of its effort to develop a robust outreach program during the LCP grant project (Task 2), the City of Monterey created a web page, an email notification list, a social media platform, newsletter template, and web-based community questionnaire. The City also held informational sessions as needed with the City's Planning Commission and City Council to discuss the LCP planning process. Numerous public workshops have also been held with topics centering on the LCP planning process, shoreline and intertidal importance, Sea Level Rise (SLR) impacts, and alternative adaptation strategies to address SLR (Task 2). The City has also completed its Existing Conditions Report (Task 3) following its compilation of land use and infrastructure data, setting SLR projection ranges for its planning area, and identifying potential physical SLR impacts and risks to coastal resources. The key findings of the Existing Conditions Report include the following findings: that coastal hazards with five feet of SLR pose a greater risk to the City than a FEMA mapped 500 year storm event; that coastal flooding poses the largest vulnerability to public transportation in the City; and that most existing hazardous material storage

areas are located in the harbor and are associated with coastal dependent uses. The City has also completed its Vision, Goals and Objectives Report (Task 4) to represent the community's general direction on LCP planning topics. The Alternatives Report (Task 5) is also completed and includes alternative LCP policies, including adaptation measures, to address Climate Change. The City has also completed an administrative draft LCP Outline, a draft Land Use Plan and has commenced refining the LCP in preparation of releasing the Public Review Draft LCP (Task 6). An administrative LCP draft is now being reviewed in anticipation of submitting the LCP to the City's Planning Commission and City Council.

- **Grant Term:** May 1, 2015 - December 31, 2017

5) **City of Morro Bay** – *Grant Total \$147,000*

- **Project Summary:** The City of Morro Bay will complete a comprehensive update of its Local Coastal Program (LCP) and General Plan in accordance with the California Coastal Act and the City's Goals of 2013. The project's primary objective is to provide an updated Land Use Plan (LUP) and Implementation Plan (IP), which will result in a comprehensively updated LCP. The grant project will build off a sea level rise project funded by the Ocean Protection Council (OPC) and includes public engagement; a climate change vulnerability assessment; an issues, opportunities, and constraints study; LUP and IP updates; and certification of the LCP update.
- **Work Completed:** Following a special joint meeting of the City Council, Planning Commission, and the General Plan and Local Coastal Program Advisory Committee (GPAC) in February 2016 to kick off the grant project, the City hired a consultant for grant-related work; held informational meetings to discuss general concepts of the LCP grant project with members of the public; and coordinated with the GPAC to support policy direction and to provide input and guidance to City staff and the consultant team working on the LCP update. Since then, the City has held bimonthly meetings with Commission staff (Task 1). The City has also conducted Sea Level Rise (SLR) and coastal asset stakeholder meetings and presented coastal resilience, shoreline protection, and SLR topics at GPAC meetings (Task 2). The City has also carried out numerous public outreach events (Task 3), including two recent GPAC meetings which covered input on the City's Vulnerability Assessment, updates on the Downtown Waterfront Strategic Plan, as well as a review of the Zoning Code update. For the City's SLR Vulnerability Assessment funded by the OPC (Task 4), the City completed its identification of existing coastal conditions; prepared an inventory of infrastructure and systems potentially affected by SLR; identified SLR scenarios and modeled cumulative effects; and analyzed SLR vulnerability. To complete this task, the City still has to identify an appropriate adaptation policy framework and continue with project-specific collaboration and outreach. The City has also completed its Issues, Opportunities, and Constraints Study (Task 5), with its SLR analysis incorporated as Chapter 3.0 and Appendices A and B of the Community Baseline Assessment (CBA). SLR analysis has also been incorporated throughout the Community Vulnerability and Resilience Assessment (CVRA). The City has also conducted its economic and market analysis, which is included as Chapter 5.0 of the CBA and is integrated throughout the CVRA. For its evaluation efforts pertaining to developing a strategy to create the LCP/GP (Task 6), the City has drafted the key

issues and policies report, as well as a draft land use map and land use designations, which will be presented to the GPAC in July 2017. The City has also commenced with its consistency analysis between existing General Plan land use classifications and zoning districts as part of its preparation of the Land Use Plan, with land use alternatives completed (Task 7). Work on the Implementing Ordinances (Task 8) progressed following a zoning update that was initiated in March 2017, with zoning code users interviewed and a Zoning Code Diagnosis Memo being drafted.

- **Grant Term:** June 1, 2015 - April 30, 2019

6) County of Santa Barbara – Grant Total \$183,000

- **Project Summary:** The County of Santa Barbara will complete an amendment to its LCP to identify and plan for mitigation of potential coastal hazards associated with climate change. The project is comprised of two phases, with the first phase including a coastal hazard modeling and vulnerability assessment based on two regional databases that the County will compile. The second phase includes the development of a Coastal Hazard Adaptation Plan and the LCP amendment.
- **Work Completed:** The County initiated its grant project by holding a kick-off meeting (Task 1) and first stakeholder modeling and mapping meeting (Task 2) in August of 2015, with its most recent stakeholder meeting held in September 2016. In completing the regional resource database (Task 3), the County has collected a variety of information that was digitized into ArcGIS data, including data on demographics, critical infrastructure, coastal habitats, and economic data related to potential future property loss and building damage estimates. An update to the County's Policy and Planning Tool Database (Task 4) has also been completed so that each jurisdiction within the County can screen and rank policies and tools based on criteria that measure governmental support, scale of area impacted, timing and cost of implementation, flexibility, and the available policy framework for coastal hazard planning activities. The County has also completed modeling and mapping coastal hazards for climate scenarios (Task 5) by developing a backshore characterization inventory that includes the parameters necessary to drive the coastal hazards model; collecting data on erosion rates based on the geology of the shoreline; combining the updated coastal armoring database with LIDAR elevations of armored structures; modeling wave transformations; and mapping coastal hazards with and without armoring. A technical method report on the Task 5 Modelling and Mapping of Multiple Coastal hazards has now been updated to include phase II methodology and information, with the Final Technical Report submitted to the County Board of Supervisors in September 2016. For its analysis of the social, economic, and ecological conditions (Task 6) through the mapping application produced in Task 5, the County has also completed mapping habitat data with different SLR scenarios and Census block demographic data combined with economic data. These maps are included within the Coastal Hazard Vulnerability Assessment (Task 7), in which the County completed its review of the Multi-Jurisdictional Hazard Plan, the City of Santa Barbara's Sea Level Rise Vulnerability Assessment, and other documents that include information on historical vulnerability and damage from coastal hazards. The final Vulnerability Assessment was submitted to Commission staff in December 2016. The County also held numerous workshops to discuss new and existing coastal

Attachment A

hazard policies and adaptation strategies with the public (Task 8), with the report on Stakeholder Input integrated within the Vulnerability Assessment. The County has also completed its draft LCP Amendment (Task 9) having completed its review of regional coastal development and adaptation strategies (of the County's current LCP) in conjunction with the Commission's Sea Level Rise Policy Guidance document. The draft LCP was submitted to Commission staff in November 2016, with comments from Commission staff provided to the County in January 2017. The draft LCP is now being finalized, with local planning hearings set for the summer.

- **Grant Term:** June 18, 2015 – December 31, 2017

7) **City of Oxnard** – *Grant Total \$150,000*

- **Project Summary:** The City of Oxnard will complete a comprehensive update to its Local Coastal Program (LCP). The grant project consists of interagency coordination and public involvement, the development of a Sea Level Rise (SLR) Analysis and Adaptation Policies Report, and an update to the Land Use Plan and Implementation Plan.
- **Work Completed:** As part of its public outreach efforts (Tasks 1 and 9), the City of Oxnard has continued to update its website on the LCP grant project, including opportunities for public involvement. The City has also held numerous Agency Stakeholder Committee (ASC) and Technical Advisory Committee (TAC) meetings, with regional stakeholders such as Port Hueneme, the County Harbor Department, and State Parks participating. More recently, the City has coordinated with State and Federal agencies to review the Final Staff Assessment of the Energy Commission's NRG power plant application related to the siting of the Mandalay Generation Station. The City has also continued reviewing preliminary FEMA coastal hazards FIRM maps in coordination with Port Hueneme and Ventura County (Task 1). The City has also completed its SLR Report (Task 2) following local hydrology modeling and drainage scenario mapping. The final SLR Map Atlas & Report has also been reviewed by the ASC, TAC, and Coastal Commission Staff and has been uploaded to the City's LCP webpage (Task 2). Administrative drafts for each LCP Planning Area have also been completed and submitted to the Commission in May 2017 (Task 3). For its efforts on preparing SLR Adaptation Policies and Programs (Task 4), the City has continued with its compilation of LCP policies from around the State and holding internal discussions with stakeholders, such as the LA Regional Water Quality Control Board and City Parks. The City has also continued drafting chapters on public access, hazards and shorelines, environmentally sensitive habitat areas, agricultural preservation, water quality, and archeological and scenic resources for all planning areas. The City also continues to work with the County Harbor Department in regards to Harbor development that will require both a Public Works Plan amendment and a City LCP amendment. For SLR adaptation policies related to energy uses and wetlands, the City has coordinated with Coastal Commission Staff regarding the City's moratorium on new power plants (to be incorporated in the LCP), and with the Coastal Conservancy regarding the cleanup of Ormond Beach. The City has also completed updating the existing Land Use Plan and has incorporated preliminary SLR results from Tasks 3 and 4 as part of the overall LCP

update, with finalized results to be incorporated by August 2017; a complete draft LUP is anticipated to be completed by May 2018 (Task 5).

- **Grant Term:** June 1, 2015 – March 1, 2019

8) **City of Santa Monica** – *Grant Total \$225,000*

- **Project Summary:** The City of Santa Monica will produce a revised Land Use Plan to reflect the latest data and research in regard to coastal issues, including the impacts associated with climate change, and will incorporate multi-modal transportation policies of the City and of regional agencies. The project includes identifying and updating relevant LUP policies, community engagement, developing an implementation plan outline, assessing climate change vulnerability, and developing policies to address potential threats from sea level rise (SLR) and climate change. In conjunction with the LUP update under this grant project, the City will complete its Implementation Plan under a separate grant awarded by the Coastal Commission in August 2016.
- **Work Completed:** The City of Santa Monica has prepared a detailed scope of work and has hired a grant-funded assistant planner and consultant for the duration of the grant project, thus completing the Project Initiation task (Task 1). The City has also completed its data gathering, research and analysis of key issue areas (Task 2) by reviewing adopted plans in the City’s coastal zone, evaluating current coastal transportation investments and future budgeted capital improvements, and preparing an LUP outline and memo identifying LUP areas of revision. Additionally, the City has held numerous meetings with stakeholders and Commission Staff regarding the use of CoSMoS modeling techniques and data, with preliminary results discussed with USC Sea Grant members and in a workshop on Sea Level Rise in April 2016 (Task 2). A project website has also been created as part of the City’s community outreach efforts (Task 3), while multiple outreach meetings with neighborhood, civic, and business organizations have been held as part of the City’s Phase I outreach efforts, which are now complete (Task 3). Outreach under the second phase of the grant project coincides with the development of the draft LUP and will include three outreach activities on the topics of SLR, transportation, access to the beach area, and endangered species protection. The City has also completed its draft annotated LUP policies (Task 4) and has completed all LUP chapters as part of the administrative and public draft LUP (Task 5). Before the public draft is released, policy sections are being reviewed and revised in coordination with Commission staff.
- **Grant Term:** April 13, 2015 – October 30, 2017

9) **City of Los Angeles** – *Grant Total \$250,000*

- **Project Summary:** The City of Los Angeles will prepare an update to the certified Venice Segment Land Use Plan (LUP) based on work completed as part of a grant that the City received from the Coastal Commission in fiscal year 2013-14 (Round 1). The grant project consists of updating the Land Use Plan (LUP) and preparing a draft outline for the Implementation Plan (IP), as well as public outreach and the preparation of a sea level rise (SLR) vulnerability assessment for the Venice segment.
- **Work Completed:** The City of Los Angeles initiated its grant project by developing and maintaining a project website that is updated periodically with public outreach

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announcements and background information on Venice (Task 1). The City completed its first public workshop in August 2016 on the policy objectives of the Venice LCP and on sea level rise. More recently, a public workshop on Mass, Scale and Character was held in March 2017 to collect preliminary input on existing and proposed LUP policies (Task 1). The City has also continued holding LCP Technical Advisory Group (TAG) meetings, with a recent TAG meeting held in April 2017 (Task 1). The City has also continued to coordinate with regional partners, like the City of Santa Monica, on Sea Level Rise work via the Adapt LA project (Task 1). For the Venice LUP update (Task 2), the City has completed a SLR scope of work and has commenced with its Venice Community Plan Amendment Recommendations. More recently, the City organized a field visit to Venice to document examples of potentially desirable and undesirable development as it relates to community mass, scale and character (as part of its preparation for the public workshop). The City also mapped storm drains and investigated both a proposed site for an auxiliary pump station and the Grand Canal and Ballona Lagoon. Data collected from these field visits will be incorporated into the Draft LUP. Work on the development of a draft LUP has also continued, with a policy matrix completed and draft chapters on Planning and Land Use, Environmental Sensitive Habitat Areas, Water Quality Protection, and Public Access now complete (Task 2). For work related to the Implementation Plan outline (Task 3), the City has commenced with identifying the structure and organization of the IP by meeting with the City's Code Studies Division to determine how the IP can leverage the new zoning layout that will be created from a separately funded effort. An organizational component of the IP, titled the Coastal Context, has been developed that can house process and procedures, coastal related development standards, and other planning and zoning for all coastal segments within Los Angeles.

- **Grant Term:** June 29, 2015 - April 30, 2019

10) City of Newport Beach – *Grant Total \$67,000*

- **Project Summary:** The City of Newport Beach will complete the certification phase of its Local Coastal Program Implementation Plan as part of the second phase of the City's LCP work. Phase I began in 2012, and involved the formation of a General Plan/Local Coastal Program Implementation Committee to provide oversight and direction to City staff and the preparation of the Administrative Draft Implementation Plan. Phase II involves community outreach, continued coordination with Coastal Commission staff, local public hearings, and submittal of the Implementation Plan to the Coastal Commission.
- **Work Completed:** The City has completed its grant project and has a certified LCP as of January 30, 2017. Task 1 (Community Outreach) included the completion of the City's Public Review Draft of the Implementation Plan (IP) and its posting on the City's website and mailing to community members and civic organizations. As part of these outreach efforts (Task 1), the City also conducted a series of community workshops in which the Public Review Draft was exhibited and explained. Planning Commission and City Council Study sessions were also completed, with additional workshops and study sessions held as needed. The IP was revised following public comment and Coastal Commission input (Task 2 and 3), with the finalized IP

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approved by the City's Planning Commission and City Council in November 2015 (Task 4). Subsequently, the City submitted the IP application package to the Coastal Commission, which deemed the application package complete on February 19, 2016. The draft IP was reviewed by Commission Staff and presented to the Commission at the September 2016 hearing, thus completing Task 5. The IP was then adopted with suggested modifications by the City Council on November 8, 2016 (with a second reading on November 22, 2016) and transmitted to the Coastal Commission on November 29, 2016. At the Commission's January 2017 hearing, the City's LCP was certified.

- **Grant Term:** May 1, 2015 – April 30, 2017

11) County of San Diego – *Grant Total \$52,000*

- **Project Summary:** The County of San Diego will update its existing Local Coastal Program (LCP) to reflect present community conditions and the potential effects of climate change and sea level rise (SLR). The project will include an analysis of the portion of the unincorporated County located within the coastal zone and the development of related policy for public access, recreation and visitor-serving facilities, water quality protection, sensitive natural habitats, land use and development standards, and coastal scenic resource protection. The County's adopted General Plan will be used as the foundation of the LCP and the project will include collaboration with the Cities of Del Mar, Solana Beach, Encinitas, Carlsbad, and other relevant regional entities.
- **Work Completed:** As part of its preparation for the grant project (Task 1), the County of San Diego drafted a project charter, formed a Stakeholder Group (including district Commission staff), launched a webpage on LCP-related items, and developed a Public Engagement Plan for Land Use Plan (LUP) development. A draft of the methodology for LUP development and identification of key issues (Task 1) has also been revised to address Commission staff comments, thus completing Task 1. The County has also completed its Existing Conditions Report and Climate Change Vulnerability and Risk Assessment (Task 2), though the County will continue to refine the Existing Conditions Report as the LUP is refined. County Staff has also held numerous public outreach events on the LCP update project, with a presentation on the project scope held for the Rancho Santa Fe Association Covenant board, the San Dieguito Community Planning Group, and the County's Planning Commission (Task 2). The County has also attended the SLR working group meeting held at the San Diego Foundation and a SLR workshop held at the Central Library as part of its efforts to gather existing conditions data and participate in outreach events (Tasks 2 and 3). Phase III of the public outreach process has also commenced, with local hearings for the LUP held in December 2016 and January 2017 following the County's revision of the draft LUP and its posting online in September 2016 (Task 4). For its development of an Implementation Plan (IP), the County drafted and submitted the draft IP to Commission staff for review, and posted the draft IP online (Task 5). The IP is set to be revised and completed by September 2017, with the working draft LCP reviewed concurrently (Task 6). The public review period (Task 7) has yet to commence, though the LUP has been approved by the County's Planning Commission (Task 8).

- **Grant Term:** May 1, 2015 – February 28, 2018

12) City of Carlsbad – Grant Total \$228,000

- **Project Summary:** The City of Carlsbad will update its Local Coastal Program (LCP) and obtain certification for its Areas of Deferred Certification (ADC) within the City’s coastal zone. Certification of a fully updated LCP will be based upon policies and adaptation measures for sea level rise (SLR), and will include updates needed for public access and recreation, the marine environment, land resources and industrial development, and coastal-dependent development.
- **Work Completed:** The City of Carlsbad completed its kick-off task for the grant project by selecting a consultant and holding a kick-off and outreach planning meeting in October and December of 2015 (Task 1). For its research efforts on SLR impacts (Task 2), the City has attended regular USGS and San Diego Climate Collaborative Sea Level Rise meetings, SANDAG Shoreline Preservation Group seminars and AdaptLA webinars as part of its collaboration with regional stakeholders (Task 5). Following a series of SLR interviews with local stakeholders, as well as coastal resident surveys, work on the Sea Level Rise Risk Assessment Summaries has progressed, with a draft SLR vulnerability Assessment completed that is now being finalized to incorporate Commission staff comments and released to the public in August 2017 (Task 2). Public hearings with the Planning Commission and City Council are also scheduled for August 2017. For the preparation of a draft LUP and IP (Task 3), the City has completed its LCP outline and commenced with drafting the LUP. The City has also continued reviewing internal drafts of the Zoning Ordinance chapters and has consulted with Commission staff on coastal zone boundary demarcations, as well as policies on lower cost overnight accommodations (Task 3). The revised and updated draft final Sea Level Rise Vulnerability Assessment dated May 2017 is being made available for public review in July-August 2017, as well as review and adoption by the Planning Commission and City Council in August 2017 (Task 4).
- **Grant Term:** April 1, 2015 - April 30, 2018

13) City of Del Mar – Grant Total \$100,000

- **Project Summary:** The City of Del Mar will submit an amendment to its Local Coastal Program (LCP) that will incorporate adaptation strategies into its certified LCP. The LCP Amendment will address sea level rise (SLR) and coastal flooding impacts to the City’s most vulnerable coastal resources, visitor-serving amenities, and residences. The project includes the preparation of a Vulnerability Assessment, Risk Assessment, and Adaptation Plan. A public involvement process will also be outlined by the Stakeholder Advisory Committee and the City, while the City will also coordinate and share information with other LCP planning grant recipients and local governments. Following the drafting of the LCP Amendment and its adoption by the City Council, the City will submit the LCP Amendment to the Coastal Commission for review and certification.
- **Work Completed:** The City of Del Mar completed its project commencement task by selecting its consultant, establishing a Stakeholder Technical Advisory Committee (STAC), preparing the public involvement process and scheduling community

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meetings (Task 1). The City has also completed its Vulnerability and Risk Assessment with preliminary 100-year data from CoSMoS 3.0, while STAC meetings have also been held to obtain input on Planning Area refinement and proposed methodologies for SLR modeling (Task 2). The SLR Vulnerability and Risk Assessment found that wetlands in the San Dieguito Lagoon will be inundated more frequently in the future and eventually drowned out entirely, and that the dry beach could be lost between 2030 and 2070. A supplemental study that utilizes the final CoSMoS 3.0 data and thus refines the analysis of potential beach loss and wetland habitat evolution will be addressed in the Round 3 LCP grant that the City was awarded in August 2016. The City has also nearly completed its Adaptation Plan (Task 3) that will include adaptation strategies for beaches, coastal bluffs, wetlands, and lagoons and rivers; additional revisions to incorporate the supplemental Hazards Analysis being prepared under the City's Round 3 grant currently underway will be completed by the end of the grant term. The City has also submitted its Draft LCP Amendment, Post LCP Permit and Appeal Jurisdiction Map and amended LCP Overlay Zone and received feedback from Commission staff in January 2017 (Task 4). The City also recently conducted pre-hearing outreach from February 2017 and anticipates additional outreach through November 2017 (Task 5). Planning Commission hearings were held in May and June 2017, with City Council hearings anticipated to occur in July and September 2017 (Task 5).

- **Grant Term:** April 16, 2015 - October 31, 2017

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**ATTACHMENT B****2nd Status Report on Round 3 Local Coastal Program Grants**

The following is a summary of the work completed under the 14 Round 3 Local Coastal Program Grants awarded in August 2016 (listed from North to South) from December 15, 2017 through June 30, 2017. Funds spent up to June 30, 2017 total \$207,228.92 of \$2,476,011 awarded.

1) City of Pacifica – Grant Total \$188,000

- **Project Summary:** The City of Pacifica will update its Local Coastal Program (LCP) by incorporating findings from a Sea Level Rise Vulnerability and Risk Assessment and Adaptation Plan. The City will assess vulnerabilities and risks to key infrastructure, coastal resources and populations as a result of sea level rise, flooding, and erosion. Utilizing the Our Coast Our Future tool, three sea level rise scenarios will be studied, while erosion potential will be evaluated using data from the Pacific Institute. The City will evaluate sea level rise strategies and compare how they address identified vulnerabilities and risks. This evaluation will include an in-depth assessment of the costs and benefits of implementing each strategy, including the costs and benefits related to recreational and ecological values of beaches and other coastal resources, along with consideration of community input. The City will also consult with San Mateo County and leverage the County's Sea Change SMC strategies to identify how the City and County can work together to implement strategies that protect the City. Identified adaptation approaches will be integrated into LCP policies and an updated LCP will be presented for local adoption and submittal to the Coastal Commission for certification, which will occur outside the grant term.
- **Work Completed:** The City of Pacifica executed its grant agreement in May 2017 and issued a Request for Proposals for the grant project.
- **Grant Term:** 5/10/2017 – 12/31/2018

2) City of Half Moon Bay – Grant Total \$85,000

- **Project Summary:** The City of Half Moon Bay will complete several technical studies that will be integrated into its LCP and General Plan update. The technical studies include assessments of the Land Use Plan with respect to buildout, transportation system performance, coastal resources, air quality, energy and climate change (including greenhouse gas emissions), infrastructure, and noise. The grant project also includes public outreach opportunities and finalization of the LCP through local hearings and adoption, as well as submittal of the LCP to the Commission for certification, which will occur outside the grant term.
- **Work Completed:** The City continues to revise its first public draft Land Use Plan and is identifying additional technical studies that may be necessary. The Half Moon

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Bay City Council requested that the General Plan and LCP update be bifurcated such that the Local Coastal Land Use Plan can be prioritized over the General Plan Elements and the Local Coastal Implementation Plan. This change affects the previously anticipated environmental review process and will require an amendment to the grant project schedule, which the City is working on with Commission staff.

- **Grant Term:** 1/17/2017 – 9/30/2018

3) City of Morro Bay – Grant Total \$200,000

- **Project Summary:** The City of Morro Bay will complete technical studies designed to ensure that priority coastal issues in Morro Bay are addressed in greater depth, while also establishing new and improving upon existing data resources to support future implementation of proposed LCP policies. These data resources will include: 1) a comprehensive update to and documentation for the City's Environmentally Sensitive Habitat Area (ESHA) map; 2) dynamic modeling of potential sea level rise scenarios, and commensurate adaptation strategies; 3) a comprehensive plan to address lateral access along the Embarcadero; 4) a detailed inventory and action plan for low-cost visitor serving accommodations; and 5) updates to existing sea level rise modeling as new best available science projections are identified. Findings from these additional studies will be incorporated into the City's LCP update, which is scheduled for local adoption in December 2018 as part of Plan Morro Bay, an integrated planning project which includes a General Plan update, LCP update, Zoning Code update, and Downtown Waterfront Strategic Plan.
- **Work Completed:** The City has completed its field reconnaissance of Environmentally Sensitive Habitat Areas (ESHAs) and has completed a draft report as part of the ESHA Map update (Task 2) and the Sea Level Rise Adaptation Strategy Modeling and Evaluation (Task 3). As part of the SLR Adaptation Strategy (Task 3), the City plans on reviewing the draft ESHA report at a General Plan Advisory Committee meeting in July 2017. The City has also begun drafting a memo and identifying information gaps as part of the Bayside Lateral Coastal Access Plan (Task 4), with additional outreach on lateral coastal access to commence in July and August 2017. The City has also developed a methodology for addressing existing low-cost visitor serving accommodations (LCVSA) by examining case studies, existing policies, and Coastal Commission guidance as part of its LCVSA inventory and implementation strategy (Task 5).
- **Grant Term:** 2/27/2017 – 12/31/2018

4) City of Santa Barbara – Grant Total \$285,892

- **Project Summary:** The City of Santa Barbara will develop a draft Local Coastal Program (LCP) amendment to incorporate information from a comprehensive Sea Level Rise (SLR) Adaptation Plan that will build off of prior SLR planning work under the Commission's Round 1 LCP grant. The City will review additional modeling products for applicability and complete an analysis of impacts and feasible adaptation strategies for low-lying and coastal bluff areas in the City's coastal zone. This information will be synthesized with an economic analysis of a range of adaptation strategies to be used to draft policies and development standards for inclusion in the City's Land Use Plan (LUP) and Implementation Plan (IP). This will

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be closely aligned with the City's public outreach efforts. A draft LCP Amendment will be developed as part of the City's grant project, with the final LCP Amendment and certification to occur outside the grant term.

- **Work Completed:** The City of Santa Barbara has not completed any grant work to date, but has executed an amendment to its grant agreement adding in the development of policies for Lower-Cost Visitor Serving Accommodations (Task 3). A Request for Proposals has also been issued for a public outreach consultant.
- **Grant Term:** 1/1/2017 – 4/15/2019

5) City of Carpinteria – Grant Total \$150,000

- **Project Summary:** The City of Carpinteria will develop a draft Land Use Plan (LUP) update to address Climate Change and Sea Level Rise (SLR). Grant work includes extensive public outreach and engagement; formation of a General Plan / Local Coastal Land Use Plan Committee to guide the update process; and development of technical studies, including a SLR Vulnerability Assessment and Adaptation Plan. The technical studies will examine policies that protect public access to beaches, parks and other recreational facilities, climate adaptation strategies along the coast and creeks to ensure resiliency, the promotion of a healthy quality of life for residents and visitors to the community, and sustainable economic planning to ensure long-term success of all strategies and goals. The grant project will also include a comprehensive policy update, as well as the development of updated maps and diagrams. The final LUP update, including local adoption and a zoning code update, will be completed outside the grant term.
- **Work Completed:** The City has completed its initiation task related to grant execution and City Council approval of the GP/LCP Committee (Task 1), as well as selecting a consultant for the grant project (Task 2). As part of the City's identification of active participants and stakeholders (Task 3), the City has selected a project manager and has drafted and contacted an initial list of stakeholders. The City also plans on holding a Stakeholder and Participant Meeting (Task 4) in July 2017. The City has also provided Committee and Coastal Commission staff with historic documents for review (Task 5), including the City Mission Statement, Baseline GP/LCP, Legal Requirements, local, state and federal requirements, forecasts, and related data and surveys. Lastly, the City has commenced with its review of existing relevant climate change and sea level rise studies, as part of the City's preparation of a Sea Level Rise Vulnerability Assessment and Adaptation Plan (Task 6).
- **Grant Term:** 3/22/2017 – 2/1/2019

6) County of Ventura – Grant Total \$225,000

- **Project Summary:** The County of Ventura will update its Local Coastal Program (LCP) by addressing the effects of Sea Level Rise (SLR). Grant-funded work will include development of a Coastal Hazard Vulnerability and Risk Assessment that uses the Nature Conservancy's SLR modeling tool, the FEMA web mapper, and other data sources as necessary and applicable; development of adaptation strategies based on the findings of the vulnerability assessment as well as stakeholder outreach and coordination with Commission staff; and development of an amendment to the

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County's Land Use Plan (LUP) to address SLR. Local adoption and Commission certification of the LCP update will occur outside the grant term.

- **Work Completed:** The County initiated the grant project by executing the grant agreement and developing the consultant Request for Proposals (Task 1), with a consultant hired in May 2017. The County has also commenced gathering data on coastal resources and existing development for the purpose of developing a Coastal Hazard Vulnerability and Risk Assessment (Task 2). More specifically, the County has created a GIS inventory consisting of the County's numerous coastal resources. The County's consultant has also begun preparing models in order to recommend which projections should be used. County Staff has also met internally and with other agencies, such as State Parks, to compile a list of adaptive strategies that have been used in the County, with additional meetings scheduled with the Public Works Director, the Navy Base, and the Nature Conservancy.
- **Grant Term:** 3/22/2017 – 5/31/2019

7) City of Santa Monica – Grant Total \$100,000

- **Project Summary:** The City of Santa Monica will prepare and complete a draft Local Coastal Program (LCP) Implementation Plan (IP) for City Council adoption and submittal to the Coastal Commission. The grant project will entail increased community outreach through public meetings, local government study sessions, and public comment periods to inform the IP development process, and will coincide with the City's Round 2 grant project in which the City is updating its Land Use Plan (LUP).
- **Work Completed:** The City initiated the grant project by executing the grant agreement and developing the consultant Request for Proposals (Task 1), with a consultant anticipated to be hired in the coming months. Work on the Implementation Plan (Task 2) is set to commence in the fall or winter of 2017.
- **Grant Term:** 1/19/2017 – 9/30/2019

8) City of Hermosa Beach – Grant Total \$135,899

- **Project Summary:** The City of Hermosa Beach will develop an Implementation Plan (IP) and incorporate findings from additional technical studies into its Local Coastal Program (LCP). The City will build off of its Round 1 LCP work, which resulted in the drafting of an updated Land Use Plan (LUP) in conjunction with the City's ongoing work to update its General Plan (together, *PLAN Hermosa*), by refining its LUP (and initiating a targeted LUP amendment if needed) and by carrying out additional technical analyses on three topic areas: sea level rise (SLR), affordable accommodations, and parking. The City will also implement a public outreach program to support LCP development and will submit the IP to the Commission, with certification to occur outside the grant term.
- **Work Completed:** The City of Hermosa Beach executed its grant agreement and held a kickoff meeting on the Parking Management Study.
- **Grant Term:** 6/5/2017 – 5/30/2019

9) **City of Seal Beach** – *Grant Total \$200,000*

- **Project Summary:** The City of Seal Beach will develop its first Local Coastal Program (LCP) for submittal and Commission certification. Grant work includes a community outreach program; development of a Sea Level Rise (SLR) Vulnerability Assessment and Adaptation Plan; preparation of LCP drafts and maps (including a programmatic inventory of biological and wetland resources); local adoption of the LCP, and submittal of the LCP to the Commission for certification.
- **Work Completed:** The City of Seal Beach’s grant agreement has not yet been executed; accordingly, no work under the grant was completed to date.
- **Grant Term:** Not yet finalized

10) **City of Dana Point** – *Grant Total \$135,000*

- **Project Summary:** The City of Dana Point will amend its Local Coastal Program (LCP) to incorporate findings from a Sea Level Rise (SLR) Vulnerability and Risk Assessment. The City will conduct its Vulnerability Assessment according to recent SLR scenarios and by using the latest data and modeling, including CoSMos 3.0. Grant work will also include public and stakeholder outreach; development of a Coastal Resource Database including information on infrastructure and assets, habitats, and coastal armoring; a Risk Assessment for infrastructure, economic, and ecological resources including development of possible adaptation measures and a qualitative evaluation of the costs and benefits of various strategies; and development of the draft LCP amendment for submittal, with certification to occur outside the grant term.
- **Work Completed:** The City of Dana Point recently issued a Request for Proposals and selected its Consultant in June 2017, with the City Council set to award the consultant contract in August 2017 (Task 1). As part of the efforts to develop a Coastal Resource Database (Task 2), City Staff has reached out to Commission Staff to gather relevant data sets for the consultant team to assist in their analysis and work on the Vulnerability Assessment. The City also anticipates reaching out to the County of Orange and State Parks to gather additional information for the project.
- **Grant Term:** 6/19/2017 – 12/31/2018

11) **City of San Clemente** – *Grant Total \$135,000*

- **Project Summary:** The City of San Clemente will submit its Land Use Plan (LUP) to the Commission for certification and develop its Implementation Plan (IP). Grant work will include possible revisions to the LUP; further development of existing Sea Level Rise (SLR) studies based on best available science, including the City’s Vulnerability Assessment; and the drafting and development of the City’s IP, which will incorporate implementation measures based on the findings of the SLR studies. The City will also conduct public outreach meetings and workshops focused on the SLR studies and IP draft, as well as executing a targeted LUP amendment to incorporate SLR findings. Following submittal of the IP to the Commission, certification will occur outside the grant term.
- **Work Completed:** The City held internal kickoff meetings to commence the grant project, as well as numerous meetings with Commission staff to discuss grant project processes and LCP issues (Task 1). The City also received preliminary comments

from Commission staff on various chapters of its LUP and is targeting December 2017 for Commission approval of the LUP (Task 2). The City has also commenced with its drafting of public notices and mailing lists for the purpose of publicizing the SLR study and the draft IP (Task 3 and 4). A kickoff meeting for the SLR study and targeted LUP amendment was also held in April 2017, with comments on SLR scenarios provided by Commission Staff. Lastly, the City has commenced with drafting the IP map and IP graphics as part of the Draft IP (Task 5), but this task is progressing slowly pending review of all LUP chapters.

- **Grant Term:** 3/13/17 – 2/1/2019

12) City of Oceanside – Grant Total \$200,000

- **Project Summary:** The City of Oceanside will update the City’s Land Use Plan (LUP) with a focus on planning for Sea Level Rise (SLR). The City will prepare a coastal hazards vulnerability assessment and a separate adaptation plan in conjunction with the City’s participation in the coastal hazard vulnerability assessment now being prepared by Local Governments for Sustainability (ICLEI). The City will also prepare an economic and fiscal impact analysis as part of the adaptation plan to estimate the costs of coastal hazard impacts as well as the costs of adaptation strategies and implementation measures. Numerous public outreach meetings and workshops will also be held, including two public workshops to allow the public an opportunity to review and provide input regarding the City’s SLR work. The LUP will be finalized based on the results of its SLR technical analyses, community and intergovernmental input, and in coordination with the City’s General Plan, namely the Economic Development and Energy/Climate Action elements. Following submittal and certification of the LUP during the grant term, the City will undertake an update to the Implementation Plan (IP) outside the grant term.
- **Work Completed:** The City of Oceanside commenced with its grant project by holding a kickoff meeting and selecting a consultant for the duration of the grant project (Task 1 and 2). The City has also commenced with its Coastal Hazard Vulnerability Assessment and Adaptation Plan (Task 3), with City staff having reviewed the ICLEI Vulnerability Assessment. As part of the City’s public outreach (Task 4), the City anticipates developing a webpage in August 2017 and has commenced with developing a list of stakeholders for interviewing.
- **Grant Term:** 4/27/2017 – 12/31/2018

13) City of Del Mar – Grant Total \$211,220

- **Project Summary:** The City of Del Mar will supplement its Round 2 LCP grant project with additional technical studies, including supplemental hazard analyses, a sediment management plan, and a San Dieguito Lagoon wetland habitat migration assessment. For the supplemental hazard analyses, the City will review the final results of CoSMoS 3.0, compare CoSMoS results to the supplemental analysis for Del Mar, and incorporate the CoSMoS results into the hazard analyses as appropriate. The Sediment Management Plan will identify “soft” sediment management solutions to protect development and coastal resources, including beach nourishment, dune management, San Dieguito River Lagoon mouth and channel dredging (for river flood management and beneficial reuse of dredge material for beach nourishment),

and integration with the San Diego Regional Sediment Management Program. For the San Dieguito Lagoon wetland habitat migration assessment, the City will assess the potential for wetland habitats to migrate upstream and to upland areas adjacent to the Lagoon to complete the wetland vulnerability assessment and develop adaptation measures that facilitate habitat migration and avoid habitat disruption. Throughout the grant project, the City will also hold public outreach events to inform the development of these technical studies. Following the completion of these technical studies, the findings of the supplemental SLR analyses will be incorporated into the LCP Amendment scheduled to be completed during the City's Round 2 grant.

- **Work Completed:** The City of Del Mar has hired a consultant and has been working on the Supplemental Sea Level Rise Hazard Analysis (Task 1). The final updated Hazard Analysis is anticipated to be completed by October 2017, with the Adaptation Plan currently undergoing review. For the City's Sediment Management Plan (Task 2), the City has continued with its analysis and anticipates a draft outline to be provided along with the LCP Amendment under Round 2. The City has also commenced with its draft assessment outline as part of the San Dieguito Lagoon Wetland Habitat Migration Assessment (Task 3).
- **Grant Term:** 12/20/2016 – 9/30/2018

14) City of Imperial Beach – Grant Total \$225,000

- **Project Summary:** The City of Imperial Beach will update its Local Coastal Program (LCP), with special emphasis on Climate Change and Sea Level Rise (SLR). The grant project will build on a number of local and regional efforts to understand and address sea level rise issues that are either completed or underway, including the San Diego Bay Sea Level Rise Adaptation Strategy and the Climate Understanding and Resilience in the River Valley Project. Grant work will include translation of SLR adaptation strategies into LCP policy language; a public outreach program consisting of workshops and regional collaboration efforts to inform the update process; Land Use Plan (LUP) and Implementation Plan (IP) updates to address sea level rise as well as other Coastal Act issues; and submittal of the LCP update for adoption and certification, with certification likely to occur outside the grant term.
- **Work Completed:** As part of its initial tasks to commence the grant project, the City has selected its consultant (Task 0) and refined its work plan and Issues Analysis Report (Task 1). The City has also scheduled a Steering Committee meeting as part of the Land Use Plan Update (Task 2).
- **Grant Term:** 2/24/2017 – 12/31/2018