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DATE: June 2, 2016

TO: California Coastal Commission and Interested Parties

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SUBJECT: Status Update on the Commission's Local Coastal Program (LCP) Grant Program

Summary

This report provides background information and a status update on the Commission's LCP Grant Program. There are three rounds of grants for the program, with a total of \$5 million in local assistance funds available. Round 1 work was completed on April 30, 2016, work on Round 2 grants is currently ongoing, and the Round 3 grant application period closed on May 20, 2016. Staff expects to bring award recommendations for the Round 3 grants to the Commission later this year.

Background

LCP planning is an essential component of the California Coastal Act. LCPs implement the statewide goals and policies of the Coastal Act at the local level and are required by the Coastal Act for each coastal jurisdiction. LCPs must specify the kind, location, and intensity of land uses, the applicable resource protection and development policies and implementing ordinances, and must be developed with the widest opportunity for public participation. LCPs and LCP updates are developed by local governments, and, once certified by the Commission, the local government assumes responsibility for issuance of most coastal development permits pursuant to the certified LCP. The Commission retains some continuing permit authority and authority to hear appeals of some local coastal permits acted on by local government.

Goal 4 of the Commission's adopted Strategic Plan¹ is to strengthen the Commission's LCP Program. One important way to do this is to complete the certification of LCPs. While most of the coast (approximately 85% of the geographic area) is governed by a certified LCP, there are some remaining uncertified areas. When these areas become certified, local government will assume responsibility for issuing most coastal development permits in these areas. This will allow local government more control and input with respect to coastal regulation, while at the same time allowing the Commission to focus more resources on assisting with matters of

¹ California Coastal Commission, Strategic Plan 2013-2018, Approved April 2013. See: <http://www.coastal.ca.gov/strategicplan/spindex.html>

statewide significance and oversight, including with respect to ongoing review and coordination with local governments on LCP updates and implementation.

In addition to the areas that are not yet certified, many of the LCPs that were certified in the 1980s and 1990s are out of date and would benefit from updating to reflect changed conditions, new information and knowledge, and new programs and policies, especially those related to climate change and sea-level rise. Updated LCPs provide more certainty for economic development and enable stronger coastal resource protection in light of current environmental conditions and other factors. In addition, updated LCPs result in fewer appeals of coastal development permits as updated LCPs include more current policies and ordinances and require less interpretation.

Financial assistance has been, and will continue to be, a critical way to assist local governments in their coastal planning. Financial assistance can serve as an incentive for local governments to undertake such planning work. Fortunately, the Budget Act of 2013 and the Budget Act of 2014 each provided an appropriation of \$1 million in local assistance funds for Coastal Commission grants to local governments to support LCP planning. The Budget Act of 2015 provides \$3 million in Prop 40 Bond funds transferred from the Coastal Conservancy to the Commission for LCP grants.

The Coastal Commission's LCP Planning Grant Program is one of several grant programs that have been available for local governments to update LCPs and plan for climate change. The Ocean Protection Council (OPC), in coordination with the State Coastal Conservancy (SCC) and the Coastal Commission, awarded \$2.5 million in grants to update LCPs to address sea-level rise. In addition, the SCC awarded \$1.5 million as part of its Climate Ready Grant Program.

Grant Priorities and Criteria

On August 14, 2013 the Commission adopted the priorities and criteria for reviewing and recommending awards for the LCP Grant Program and authorized staff to solicit and evaluate proposals subject to the requirement that the Commission approve final selection of any grants awarded under the program.²

Pursuant to the Commission's LCP Grant Program adopted priorities, projects may include:

- Completion, or continuation from previous grant round, of land use plan and/or zoning work to achieve certification of a Local Coastal Program (LCP) or an Area of Deferred Certification (ADC) resulting in the new transfer of coastal development permit authority to the local government in these areas;
- Planning and/or zoning work to significantly update certified LCPs or LCP segments in whole or in part to reflect changed conditions, new information and scientific knowledge, new programs and policies, or other significant changed circumstances;
- LCPs and Updates that address the effects of climate change, such as sea-level rise, will be given special consideration.

² See: <http://documents.coastal.ca.gov/reports/2013/8/W31b-8-2013.pdf>

Thus, priority for grants is given to new LCP Certification, including LCPs for Areas of Deferred Certification, LCP updates, and LCP amendments that address issues related to the effects of climate change. The Commission currently has a steady load of LCP amendment work, ranging from comprehensive LCP updates, to more targeted LCP amendments, and project-driven amendments. In assessing grant applications, lower priority is placed on more narrow amendment proposals as opposed to more comprehensive updates that address new information, changed conditions, scientific knowledge, etc. Stand-alone project-driven LCP amendments are not eligible.

The Commission also adopted criteria to use in evaluating the grant proposals. These criteria include:

- The public benefit and statewide Coastal Act significance of issues addressed by the amendment or submittal;
- The relative need for, and extent of, a proposed LCP update;
- The extent to which the proposal would address climate change concerns;
- The likelihood of success and effectiveness of the effort;
- The potential for reduction of Commission permit workload in uncertified areas;
- The relationship of the application to other related planning work or other state or regional planning efforts and opportunities for leveraging funds.

See [Exhibit 1](#) for the full text of the adopted criteria.

Requirements and Conditions for All Grants

All grant contracts contain provisions to ensure successful implementation of the work program. Specifically, contracts include requirements and conditions regarding the project schedule, progress reporting, reimbursement procedures, and stipulations and grant withholdings for projects not completed within the grant time period. See [Exhibit 2](#) for the general contract requirements and conditions that were used for the Round 2 grants. In addition to the general contract requirements and conditions, all grant projects include the following conditions:

1. Prior to the Executive Director's determination and reporting of certification pursuant to Section 13544 of the California Code of Regulations of a grant-funded LCP project, grantees shall submit LCP documents and maps in both paper and editable digital format to the Coastal Commission.
2. Grantees shall use the Coastal Commission's Sea Level Rise Policy Guidance to inform the development of sea-level rise impact assessments, vulnerability assessments, and LCP Land Use Plan and Implementation Plan completion or updates.
3. Sea-level rise work completed under the grant program shall be coordinated regionally to the extent feasible with other jurisdictions and entities working on sea-level rise projects

within the same county or broader regional area relevant for sea-level rise adaptation, such as the watershed, littoral cell, or area with similar geologic characteristics. Coordination includes early coordination meetings among the different entities, sharing of technical analyses and lessons learned, and consideration of regional adaptation policies.

4. Grant-funded work shall also be guided by the [*Safeguarding California Plan for Reducing Climate Risk*](#)'s recommended climate change preparedness actions and principles,³ as listed below, and as described in the adopted [*2014 Ocean Protection Council Resolution*](#) to support implementation of the *Safeguarding Plan*.⁴ The *Plan* states that projects or programs implemented with state funds should:

- Encourage innovative design of new structures and infrastructure in areas vulnerable to sea-level rise, storms and erosion, and give priority to green or nature-based solutions that use natural processes and habitats to reduce risk from flooding and erosion;
- Reduce risk from climate impacts to the coast and ocean, by implementing the *Safeguarding Plan*'s recommendation to incorporate climate risk considerations into all relevant decision-making, including related to infrastructure, in such a way that it:
 - Encourages iterative approaches;
 - Protects California's most vulnerable populations;
 - Achieves multiple benefits from efforts to reduce climate risks and prioritizes green infrastructure solutions;
 - Integrates climate risk reduction with emissions reductions to the fullest extent possible; and
 - Develops metrics and indicators to track progress on efforts to reduce climate risk.
- Adhere to the *Safeguarding Plan* principles:
 - Use the best available science to identify risks and adaptation strategies;
 - Understand that an effective strategy for preparing for climate risks should evolve as new information is available;
 - Involve all relevant stakeholders;
 - Establish and maintain strong partnerships across all levels of government, tribes, businesses, landowners, and non-governmental organizations;

³ California Natural Resources Agency 2014. Available. http://resources.ca.gov/docs/climate/Final_Safeguarding_CA_Plan_July_31_2014.pdf. Accessed 6 May 2016.

⁴ Ocean Protection Council 2014. Available: http://www.opc.ca.gov/webmaster/ftp/pdf/agenda_items/20140827/Item5 OPC Aug2014 Exhibit 1 Safeguarding Resolution ADOPTED.pdf. Accessed 6 May 2016.

- Give priority to strategies that also achieve benefits other than climate risk reduction benefits, including additional benefits to public health, the economy, environmental justice, and conservation of natural resources; and
- Ensure that strategies to reduce climate risk are coordinated, to the extent possible, with the state's efforts to reduce GHG emissions and other local, national and international efforts.

LCP Grant Round 1

The Round 1 grants awarded \$1 million in local assistance funds (source General Fund) to eleven local governments. The Round 1 grants resulted in a significant amount of LCP planning work, including development of: a draft LCP for Goleta, which is currently uncertified; a draft comprehensive LCP Update for Arcata; draft Land Use Plan updates for Half Moon Bay, Pacific Grove, Hermosa Beach, City of Santa Barbara and San Clemente; and draft Implementation Plans for Pacific Grove, Hermosa Beach and San Clemente, which will result in certified LCPs for those currently uncertified jurisdictions.

In addition to work on new LCPs and comprehensive LCP Updates, Round 1 resulted in a significant amount of sea level rise planning work, including new sea level rise vulnerability assessments for the cities of Hermosa Beach, Goleta, Santa Barbara, Pacific Grove and Arcata, as well as the County of Marin. These vulnerability assessments were used to inform sea level rise adaptation strategies and LCP policy development in those jurisdictions.

Round 1 also resulted in LCP work in the City of LA Venice segment, Solana Beach and Humboldt. In Venice, the City developed an LCP Framework Plan to guide development of an LCP for this uncertified segment, which will be carried out with the support of a Round 2 grant. In Solana Beach, the City finalized a Recreation Impact Mitigation Fee Study and submitted an LCP Amendment to the Commission to incorporate that study into their certified Land Use Plan. The Fee Study provides a methodology for calculating in-lieu fees for beach recreational impacts caused by shoreline protection. And in Humboldt, the County completed LCPs for three areas of deferred certification (ADCs), and developed an LCP Amendment to address the need for interim uses in an area that is currently designated for coastal dependent uses.

A more detailed description of the work done pursuant to Round 1 of the grants is attached in [Exhibit 3](#).

LCP Planning work is an incredibly time-intensive process. Previous estimates made by the Commission, which were based on case study examples and Commission staff experience, concluded that a new LCP requires approximately 8,860 hours of Commission staff time, a comprehensive LCP Update requires approximately 6,820 staff hours, and a large LCP Amendment requires approximately 3,600 staff hours.⁵

⁵ Coastal Commission Budget Change Proposal for Fiscal Year 2016/2017, 3720-001-BCP-BR-2016-GB, Page 15. Available: http://web1a.esd.dof.ca.gov/Documents/bcp/1617/FY1617_ORG3720_BCP313.pdf Accessed 6 May 2016.

This need for large amounts of staff time is apparent in the Commission's work on the LCP grants. District staff and staff of the LCP Grant Team have put an extraordinary amount of effort into the LCP planning work that was completed throughout Round 1. District staff and Grant staff coordinated closely with each of the eleven grantees, including through regular staff coordination meetings on the work products, as well as through regular coordination on grant administration issues. Staff also participated heavily in the outreach and coordination events that took place as part of the grant work. For example, in Marin County, Commission staff met with County planning staff at seven coordination meetings, and attended nine public meetings. Commission staff were active participants on both the Technical Advisory Committee and Stakeholder Advisory Committee for the Collaboration: Sea-level Marin Adaptation Response Team (C-SMART) process, and participated in a presentation with a variety of other C-SMART stakeholders at an outreach event in Stinson Beach. In Hermosa Beach, Commission staff met with the City staff and consulting team on eight different occasions, along with additional coordination via phone and email.

In addition, staff reviewed and commented extensively on numerous drafts and draft revisions of work products in an effort to guide local jurisdictions towards LCP work that conforms to Coastal Act requirements. This iterative review process between Commission staff and local governments can be challenging and time consuming given the many complex and contentious issues that must be addressed in a new or updated LCP.

However, even with this iterative review process between Commission staff and local government staff, in many cases, the local government public hearing process took more time than originally anticipated. Additional public workshops and public hearings were needed to explore the myriad issues that were raised through the grant work, and to fully engage with the public.

Moreover, sea level rise planning is a new and emerging area of LCP planning. The Commission's Sea Level Rise Policy Guidance has helped guide the vulnerability assessments and adaptation policy work that was done in Round 1, but given the breadth and complexity of sea level rise planning, this process raised numerous issues that local governments and the Commission have never faced before. Staff is continuing to refine our approach to SLR planning, and the technical work is becoming more efficient all the time. However, the public and political process will continue to be extremely challenging, due to the complexity of the issues and the magnitude of future sea level rise impacts on our State's coastal resources. Identifying and implementing proactive, innovative, adaptive responses to sea level rise impacts will require continued collaboration with local jurisdictions, the Commission, and other interested parties, even after grant work is completed.

LCP Grant Round 2

For the second round of grants, Commission staff coordinated the application and review process with the Ocean Protection Council's (OPC) LCP Sea-Level Rise (SLR) Grant Program, which provides funds specifically for local and regional vulnerability assessments and updates to LCPs and other Coastal Act authorized plans to address sea-level rise, coastal hazards and other climate change related impacts. Because both grant programs share the common objective of certifying and updating LCPs, staff from both agencies conducted a joint solicitation for applications. Through the joint-application, applicants had the option to submit one work

program and budget for the two grant programs. This way, the applicants could demonstrate how the grant funds would be combined to fund a single LCP update or new LCP. This also eliminated the potential for applicants to submit duplicate requests to the two grant programs.

The Commission agreed to administer both the OPC and Commission grants, which provide a total of \$2.02 million to thirteen local governments for sea level rise and LCP planning. A single grant administrator for both grant programs allows jurisdictions that receive grants from both the OPC and the Coastal Commission to develop one work program and to execute a single grant agreement with the Coastal Commission for both awards. Development of the OPC work programs and sea-level rise vulnerability assessment details requires close coordination with the Commission's technical staff and District staff. For the joint-funded projects, Commission administration will allow this coordination to occur seamlessly with the development of the Commission work programs. This streamlines the grant execution process, simplifies reporting and invoicing requirements for local governments, and increases the ability of the Coastal Commission to track progress on grant implementation and monitor projects for success.

The Round 2 grants provide for a significant amount of LCP planning work, including new LCPs for the City of Monterey, City of LA Venice segment, and County of San Diego, which are currently uncertified, and comprehensive LCP Updates for Trinidad, Morro Bay, Oxnard, and Carlsbad. In Santa Monica, the City will develop an LUP Update and a new IP, and in Newport Beach, the City will complete its IP. This work will allow both jurisdictions to achieve LCP certification. In addition, an LCP Amendment in San Francisco will reflect the significant sea level rise adaptation work done through the Ocean Beach Master Plan as well as add more general LCP policies to address sea level rise adaptation. The County of Santa Barbara and City of Del Mar will complete LCP amendments to address sea level rise. And finally, Humboldt County will be leveraging the large amount of work done as part of the Humboldt Bay Sea Level Rise Adaptation Planning Project to update the Humboldt Bay Area Plan portion of the LCP.

Work on the Round 2 grants began in spring of 2015 and significant progress has already been made. See [Exhibit 4](#) for the most recent progress report on work done pursuant to the Round 2 grants.

District staff and staff of the LCP Grant Team have been working extensively with the thirteen Round 2 grantees to help ensure the grants result in successful sea level rise and LCP planning work. Like the coordination effort that was made for Round 1, for Round 2, staff is participating in regular coordination meetings on substantive work products as well as on grant administration issues. Commission staff has been working closely with the grantees on the work that they are doing, and has been participating in outreach and coordination meetings.

LCP Grant Round 3

The Enacted Budget for FY 2015-2016 modified the past General Fund allocation for LCP Local Assistance Grants to an authorization to use Prop 40 Bond Funds: California Clean Water, Clean Air, Safe Neighborhood Parks and Coastal Protection Fund (3760-101-6029) held by the Coastal Conservancy. The appropriation in the State Coastal Conservancy's Budget for Prop 40 Bond funds includes a provision that states: "Of the funds appropriated in this item, \$3 million shall be available for Local Coastal Program grants to be administered by the California Coastal Commission." As approved in the Enacted Budget for FY 2015-2016, the Coastal Conservancy

will pass through the Prop 40 bond funds to the Commission for LCP grants of \$3 million through an Interagency Agreement.

This \$3 million is available for Round 3 of the LCP Grants, which was announced on March 28, 2016. Applications for Round 3 were due on May 20, 2016, and Staff expects to bring recommendations on grant awards to the Commission later this year. The work programs for the Round 3 grants are expected to begin in fall of 2016 and end in fall of 2018.

EXHIBIT 1

EVALUATION CRITERIA ADOPTED BY COASTAL COMMISSION ON AUGUST 14, 2013

- ◆ **Public benefit/Significance:** The Commission will consider the extent to which the proposed LCP planning effort will address issues of statewide significance and maximize public benefits of the coast. These can include: preserving and enhancing coastal habitat, protecting, providing and enhancing public access, protecting priority land uses such as agriculture, coastal dependent development or recreation, Smart Growth and sustainable development initiatives, protecting and providing lower cost visitor and recreational opportunities, and addressing climate change and sea-level rise. Provisions for citizen participation must be a part of the work program.
- ◆ **Relative Need for LCP/Extent of Update:** Related to the public benefits of a proposal, the Commission will consider the relative need for a LCP update, considering the length of time since a LCP or LCP segment has been updated and the significance of the issues proposed to be updated. For example, many sensitive species and habitats have been identified since the time of certification of many LCPs. A proposal to update a LCP's environmentally sensitive habitat (ESHA) policies, ordinances, resource maps, etc. may be an important update in specific jurisdictions. Other jurisdictions may benefit from updates in policy areas that will resolve known deficiencies or sources of conflict and/or appeals of local coastal development permits to the Commission. In addition, the extent or scope of an update is an important consideration, with higher priority being placed on proposed updates of greater extent/scope, such as a complete LUP/IP update, or an update that results in comprehensive updating of one or more policy areas or a geographic sub-area.
- ◆ **Addressing the Effects of Climate Change:** Climate change is one of the most significant policy areas to emerge since many of the LCPs have been certified. The Commission is seeking LCP updates that address the effects of climate change, including sea-level rise and other coastal hazards, as well as other issue areas affected by climate change, such as changes in habitat, fire hazards, and transportation and land use policy to facilitate reductions in greenhouse gas emissions and vehicle miles travelled. Special consideration will be given to LCP amendment proposals to address this policy area.
- ◆ **Likelihood of Success/Effectiveness:** The Commission has had past grant programs where the investment of public funds has not resulted in completed certified LCPs or LCP Amendments. In a few cases, funding has been awarded but reverted. Overall, the success of the Commission's grant program will be measured by the progress made toward LCP certification or update.

The Commission thus will consider the likelihood of success of each proposal, including evaluating the practicality, feasibility, and effectiveness of a proposed work program that may lead to successful implementation. Proposals should address the need for coordination with the public and the Commission, and provide for practicable benchmarks for LCP amendment development and review. Other evidence in support of this criteria may include resolutions of intent and endorsement for the proposed work

from the jurisdiction and other organizations, matching funds or other complementary efforts (see below), or other factors that may affect the likelihood that a LCP amendment will be successfully completed. Grantees will be asked to describe any LCP planning work that has been initiated or is already underway at the local level and how this grant program is needed to substantially further that effort. A resolution from the grantee committing to completing a LCP Amendment submittal to the Commission will be required as part of the application.

For new LCP development, the local government should demonstrate its willingness and capacity to assume local coastal development permit processing. Related, some areas of the coastal zone remain uncertified because the Commission and local government have been unable to reach agreement on the resolution of issues or the issue is particularly intractable. The Commission will consider the likelihood that such areas and specific policy questions can be successfully addressed, leading to certification of the area.

- ◆ **Workload:** The Commission will consider the level of existing permit workload generated by uncertified jurisdictions and thus the relative statewide benefits of certification of any particular jurisdiction.

While most of the geographic area of the coastal zone is under certified LCPs, there are 36 segments that are not yet certified and 44 specific Areas of Deferred Certification. The Commission is responsible for review of all coastal development permits in these uncertified areas. If LCPs were certified for these areas, then most coastal development permits would be reviewed at the local level and the Commission's staff resources could be reallocated to assist matters of more statewide significance and importance, such as early coordination with local government on LCP planning matters, as well as oversight, review, and coordination with local governments on LCP implementation.

- ◆ **Project Integration/Leverage/Matching Funds:** The Commission will consider the relationship of the LCP work program to other planning work being undertaken by the jurisdiction. Grantees will be asked to describe any other related grant awards (such as through the Ocean Protection Council, Coastal Conservancy or the Strategic Growth Council) that may support the LCP planning work and any availability and amount of local matching funds.

There are several related grant programs underway which may positively integrate with this LCP Planning Grant program. For example, the Ocean Protection Council is currently processing applications for grants to update LCPs to address Sea-level Rise. The Coastal Conservancy is administering a Climate Ready grant program (http://scc.ca.gov/files/2013/07/Climate-Ready-grant-announcement-July-18_FINAL.pdf). The Strategic Growth Council provides a Sustainable Communities Planning Grant and Incentives Program to fund efforts to conduct planning activities that will foster sustainable communities, lead to reduced greenhouse gas emissions, and achieve other sustainability objectives, and for which coastal jurisdictions are eligible to apply. The Commission will consider the ability to integrate and leverage any additional program funds available that could help support a comprehensive LCP certification effort or update.

EXHIBIT 2

GENERAL CONTRACT REQUIREMENTS FOR ROUND 2 GRANTS

1. All grantees shall work with Commission staff to finalize the work program, including progress benchmarks, and budget for Executive Director review and approval that reflects the amount of the grant award and final products that will be produced as a result of the grant funding. For programs that extend beyond the grant period, grantees shall include a schedule and benchmarks that show the plan for completing the certification process. The final work program, schedule, and budget shall be part of the grant contract.
2. Since the funds for these grants were appropriated in FY2014/2015, which ends on June 30, 2015, proposals must include work tasks that begin on or before May 1, 2015. Grantees must complete all funded tasks by April 30, 2017.
3. All grant contracts shall require progress reports at least every 3 months, and all subject to Executive Director review and approval. Each grant contract shall include the standards Commission staff will use to assess whether work progress reflected in such reports is adequate and procedures to address any grantee that is not meeting the final approved work program and benchmarks.
4. Grant funds will not be available in advance of expenditures. Expenses will be paid in arrears no more than once per month upon submission of an approved invoice by the grantee. That is, all funds will be provided on a reimbursement basis, and payments will be made to local governments only after work tasks are completed.
5. If a grantee fails to properly execute the contract or fails to meet the performance criteria and benchmarks in the grant contract, the Executive Director or his designee may cancel the contract and re-allocate any unspent funds to one or more of the other approved grantees whose grant was not fully funded.
6. Complete reimbursement of grant funds will be dependent upon successful completion of the final deliverable of the contract. Up to 20% of the grant award may not be reimbursable until all final deliverables have been completed by the grantee.
7. Should a jurisdiction not need the full amount of funds awarded by the Coastal Commission, they shall notify Commission staff as soon as possible so that any remaining allocated but unspent funds may be redistributed, as feasible. In addition, should a local government fail to enter into a contract in a timely manner or fail to meet work program benchmarks as noted above, the Executive Director or his designee may reallocate funds to supplement an already awarded grant.
8. Travel Reimbursement shall be at the same rates as similarly situated State employees. If any conflicts exist between the Contractor's rates and those applicable to State employees, the State's reimbursement rates shall prevail. Receipts will be required. All travel costs are inclusive within the budgeted amount referenced in the contract.

EXHIBIT 3

California Coastal Commission Local Coastal Program Planning Grant Program

FY 2013-2014 LCP Grants – Final Status Report

The following is a final summary of the work completed under the 11 LCP Local Assistance Grant contracts awarded in Fiscal Year 2013-2014 from April 30, 2014 to April 30, 2016.

1) Humboldt County – Grant Total \$29,000

- **Project Summary:** Humboldt County will complete and submit administrative drafts of LCP amendments for three Areas of Deferred Certification (ADC): Azalea Habitat Areas on Stagecoach Hill, portions of the Big Lagoon subdivision, and portions of the Trinidad Area Shoreline. The grant also includes submittal of an administrative draft LCP amendment to the Coastal Commission to establish an inventory of Industrial/Coastal Dependent (CDI) land and to develop policies to allow for the potential interim use of such land. Upon certification of these LCP Amendments, which will occur outside the scope of the grant, the ADCs will become part of the County's land use jurisdiction.
- **Work Completed:** Humboldt County has completed administrative draft LCP amendments for three Areas of Deferred Certification (Tasks 1-3) and for the expansion of uses allowed in the Industrial/Coastal-Dependent zone (Task 4). For its efforts to achieve certification of the Stagecoach Hill ADC within the Northcoast Area Plan (Task 1), Humboldt County completed background research on Azalea Habitat by reviewing past, approved coastal development permit conditions for Azalea habitat; by evaluating assessor parcels for illegal subdivisions and in accordance with the Subdivision Map Act to ensure agricultural and timber productivity; and by reviewing issues concerning water quality, habitat protection, and scenic views. The completed LCP Amendment for Stagecoach Hill recommends amending the Environmentally Sensitive Habitat Area policies for Western Azalea Habitats; modifying the Visual Resource Protection policies to clarify the status of Azalea Habitat protection; amending the Coastal Zone Regulations to ensure that development within coastal Western Azalea Habitat is sited and designed to mitigate impacts; and applying Rural Residential and Rural Residential Agriculture zoning designations in the Stagecoach Hill ADC (Task 4). In the Big Lagoon Area of the Northcoast Area Plan (Task 2), the County reviewed current and historic coastal bluff erosion reports and Big Lagoon Community Services District infrastructure and service studies with the support of Humboldt State University students. County staff also analyzed relevant coastal development permit conditions, parcel sizes, and methodologies for determining setbacks and erosion rates in order to refine policies on bluff retreat in the Big Lagoon Area. The County also updated the Trinidad Area Plan Coastal Access Inventory and drafted policy language for the Trinidad Area Shoreline ADC based on Coastal Commission permit conditions that relate to public access (Task 3). The LCP Amendment for the Trinidad Area Shoreline consists of

modifications to the Coastal Access policies to be consistent with the Coastal Act and amending the Coastal Zone Regulations to add a new combining zone to establish regulations to minimize risks to life and property, as well as ensuring that any development permitted near coastal bluff retreat hazards would be setback and sited to assure geologic stability over the economic life of the development. Lastly, the County established an inventory of Industrial/Coastal-Dependent land and recommends amending the LCP by allowing for uses such as minor generation and distribution facilities; warehousing, storage, and distribution; retail services, timber production, and general agriculture amongst others. The LCP Amendment further recommends that the interim use of these lands must be compatible with and must not interfere with existing onsite and offsite CDI uses, while also requiring a use permit and coastal development permit. Throughout the grant project, the County held numerous outreach events to incorporate public feedback and concerns, while also maintaining coordination meetings with Coastal Commission staff to discuss potential issues and progress on the grant (Tasks 1-4).

- **Grant Term:** April 30, 2014 - April 30, 2016

2) **City of Arcata** – *Grant Total \$54,000*

- **Project Summary:** The City of Arcata will complete a draft comprehensive update of its 1989 LCP to address sea level rise (SLR) and changed community conditions. The work program includes: an evaluation of the effects of SLR; development of LCP policy options and an Adaptation Plan to address SLR; an update to the Existing Conditions Report and LCP background sections; and other modifications as needed. The project also includes public workshops and regular coordination with Coastal Commission staff.
- **Work Completed:** The City of Arcata submitted an administrative draft of its LCP update after recently finalizing Land Use Plan (LUP) chapters on Natural Hazards, Environmentally Sensitive Habitat Areas, and Water Quality. As part of its efforts to update the LCP, the City established a range of SLR projections using current regional data and mapping in accordance with the Commission's SLR policy guidance for the years 2030, 2050, and 2100. This led to the development of the SLR Mapping and Risk Assessment (Task 1), which informed the development of a SLR Scenarios Report (Task 2). The SLR Scenarios Report includes an assessment of hazards, identifies areas at risk from these hazards, and includes a variety of adaptation measures to address these hazards. The City also updated its Existing Conditions Report (Task 3), which was originally prepared for a specific area, but now includes all of the lands within the Coastal Zone throughout the City's jurisdiction; the Existing Conditions Report evaluates and inventories coastal resources (i.e. public access, water quality, visual resources). For its preparation of the Coastal Land Use Plan update (Task 4), the City completed drafts of all chapters consisting of policies and standards informed directly by the results of the updated Existing Conditions Report and the SLR Scenarios Report. The City's draft Implementation Plan (IP) (Task 5), including permit requirements, permitting procedures, and local responsibilities in the appeal process, has also been updated. Throughout the grant term, consultation with Coastal Commission staff was

maintained (Task 6), while the City also held numerous public outreach meetings in conjunction with regularly scheduled Planning Commission meetings (Task 7).

- **Grant Term:** May 1, 2014 - April 30, 2016

3) **County of Marin** – *Grant Total \$54,000*

- **Project Summary:** As part of the C-SMART project (Collaboration: Sea-level Marin Adaptation Response Team), the County of Marin will complete and submit an LCP Amendment to prepare for sea level rise. The C-SMART project will develop a scientific and technical basis for assessing the potential changes, vulnerabilities, and impacts that sea level rise may bring to Marin and the Tomales Bay coast. The project will also identify appropriate response and resilience strategies to address these effects through agency coordination and will plan for the implementation of such measures, including their integration into Marin's Local Coastal Program. In addition to the local assistance grant from the Coastal Commission, Marin County received \$200,000 from the Ocean Protection Council to support the LCP amendment project.
- **Work Completed:** The County of Marin has completed and submitted its LCP amendment (Task 4) to the Coastal Commission. At the outset of the grant project, the County established a Stakeholder Advisory Committee and a Technical Advisory Committee for increased expertise and public involvement throughout the LCP process (Task 1). This resulted in numerous committee meetings for the public, the creation and launching of a bilingual website, ongoing asset/property manager interviews (which involved questions for asset managers on conditions and potential impacts from flooding, erosion, saltwater intrusion and more), and coordination with C-SMART partner organizations like Point Blue Conservation Science and the Center for Ocean Solutions, amongst others. Numerous community workshops were also held throughout the grant term, with community members informing the planning and policy development process by participating in design charrettes and the County's Game of Floods interactive board game, which involved participants collaborating to create adaptation plans for a conceptual Marin Island. The County also completed a Vulnerability Assessment (Task 2). This assessment utilized a variety of data sources and modelling efforts, including the Our Coast Our Future CoSMoS model, FEMA's Open Pacific Coast Study, the County's Department of Public Works studies on riverine flooding, and the Natural Capital Project's InVEST (Integrated Valuation of Ecosystem Services and Tradeoffs) modelling work, to map various sea level rise scenarios and analyze potential impacts. Additionally, the C-SMART effort combined the results of its asset manager interviews with geostatistical analyses, literature review findings and information gathered from public workshops into "Asset Profiles" (i.e. parcels and buildings, utilities, armoring, and recreation) and "Community Profiles" (which highlight the key issues, impacts, and critically-vulnerable assets for the seven study area communities). The Vulnerability Assessment was also comprehensively reviewed by C-SMART's Technical and Stakeholder Advisory Committees, partner organizations, and internal staff. Lastly, a draft of the Adaptation Strategies Report has also been completed (Task 3) and is being prepared for public release in May 2016, with the report translating the SLR vulnerabilities and risks identified through the Vulnerability Assessment into implementable actions.

- **Grant Term:** June 1, 2014 - April 30, 2016

4) **City of Half Moon Bay** – *Grant Total \$75,000*

- **Project Summary:** The City of Half Moon Bay will complete a draft of its Land Use Plan (LUP) in conjunction with an update of its General Plan. In addition to the local assistance grant from the Coastal Commission, the City of Half Moon Bay received \$70,000 from the Ocean Protection Council to support its sea level rise vulnerability assessment and policy development.
- **Work Completed:** The City of Half Moon Bay completed an administrative draft LUP Update (Task 6) following additional efforts to revise LUP maps and background information, and after conducting further research and consistency review of LUP policies with the Coastal Act. A public draft of the LUP has also been prepared and is now posted to the city's website, with the General Plan Advisory Committee (GPAC) expected to continue the review process over the next few months. The initial task of the Local Assistance grant, the Preferred Plan and Policy Framework (Task 5), which outlined the policy development process, was also completed with public input provided through online forums and interactive community workshops. The City developed the Preferred Plan in relation to a delineated Core Area and building block topic areas, including conservation and open space, climate action and healthy communities, transportation, and land use. Numerous community engagement activities, many with a focus on Half Moon Bay's youth, elderly, and Spanish-speaking communities, have also been held in the form of Neighborhood Listening sessions and Open Houses. LUP policy development, as well as the variety of outreach events that have been completed, were informed by a sea level rise vulnerability assessment that was completed through funding from a grant from the Ocean Protection Council. This vulnerability assessment identified vulnerable areas and assets for multiple sea level rise and storm scenarios. Although LCP planning work is ongoing and will incorporate feedback from both Commission staff and local stakeholders, the City has identified proactive adaptation planning to ensure continued public access and recreation opportunities even as sea levels rise as a priority topic to be addressed.
- **Grant Term:** April 30, 2014 - April 30, 2016

5) **City of Pacific Grove** – *Grant Total \$130,000*

- **Project Summary:** The City of Pacific Grove will draft a comprehensive update to its Land Use Plan (LUP), which was certified in 1991, as well as draft a new Implementation Plan (IP). The project also includes updating technical information of the City's coastal zone resources with an emphasis on vulnerability to climate change and sea level rise, and improved coordination with local, regional, and state coastal stakeholders.
- **Work Completed:** The City of Pacific Grove completed and submitted drafts of its revised LUP and IP to Commission staff following an iterative review process. The LCP update was informed by regular collaboration with Commission Staff (Task 1) and the Background Report and Climate Change Vulnerability Assessment (Task 2), which were completed by identifying existing LUP topics in need of updates (i.e.

natural hazards, public shoreline access), conducting policy audits to ensure consistency with planning documents adopted after the City's original Coastal LUP was certified, and screening for exposures and sensitivities to climate change. These efforts resulted in the preparation of a revised Final Coastal Zone LUP (Task 3), which was submitted to Commission staff in January 2016 and is now under internal review following Commission Staff comments and public input. A draft of the Implementation Plan (Task 4) has also been prepared and submitted to Commission staff for review, with the IP now being revised to incorporate Commission Staff comments and public input as well. Throughout the grant project, the City has also incorporated information gathered from numerous community engagement activities, including public workshops and study sessions on the LCP and public hearings before the Planning Commission and City Council (Task 5).

- **Grant Term:** April 30, 2014 - April 30, 2016

6) **City of Goleta** – *Grant Total \$125,000*

- **Project Summary:** The City of Goleta will complete a draft LCP. The City recently prepared a General Plan in 2006 and proposes to develop a Coastal Land Use Plan (LUP) that is integrated with the General Plan. A draft Implementation Plan will also be prepared in conjunction with the preparation of the City's first Zoning Code. The project includes special emphasis on sea level rise, which will be implemented through collaborative efforts with both the City and County of Santa Barbara.
- **Work Completed:** The City of Goleta recently completed a draft of the City's first Local Coastal Program, with the public review process and Commission certification process to occur beyond the grant term. Completion of the draft LCP was accomplished by first drafting a project Work Plan and an Issues and Resource Analysis Report (Task 1), which identified the relevant guidance to incorporate from the "2013 Coastal Commission LCP Land Use Plan Policy Update", the corresponding policy from the adopted "2006 Goleta General Plan/Coastal Land Use Plan", and the gaps between the two. The Issues and Resource Analysis Report thus served to inform the scope of LUP revisions needed under subsequent tasks in the grant project. Indeed, building off of Task 1, the City completed various technical studies (Task 2) to identify information that needed updating, including information on archaeological resources, water supply, and circulation for example. One such technical study was the *Backshore Characterization and Initial Vulnerability findings for the City of Goleta's coastal zone*, which mapped potential coastal hazards associated with SLR, assessed risks that infrastructure, coastal resources, and communities face due to SLR vulnerabilities, and analyzed the fiscal impacts of climate-induced hazards. Following these technical studies, the City completed a draft LUP (Task 3) that included all General Plan/Local Coastal Plan Elements with the exception of the Housing and Noise Elements. The City also completed its draft Implementation Plan (Task 4) in conjunction with the citywide Zoning Ordinance Project to ensure consistency and an efficient regulatory framework.
- **Grant Term:** April 30, 2014 - April 30, 2016

7) City of Santa Barbara – Grant Total \$123,000

- **Project Summary:** The City of Santa Barbara will complete a draft update to its certified Land Use Plan, with special emphasis on addressing climate change and the associated impacts of sea level rise (SLR), extreme high tides, storm events and coastal erosion. The primary goals of the project are to: 1) comprehensively update the City's Land Use Plan (LUP) and Land Use Map to include recently adopted City plans and ordinances, such as the 2011 General Plan Update and recent climate change adaptation actions; 2) update a targeted portion of the Implementation Plan (IP); and 3) encourage citizen participation throughout the planning process.
- **Work Completed:** The City of Santa Barbara completed a draft update to the LUP (Task 3) that includes specific adaptation policies and the procedures required to evaluate a proposed development's exposure to future hazards relative to climate-induced increases in flooding, erosion, and other coastal hazards. The LUP update was informed by the City's LUP Baseline Assessment (Task 1) and the completed SLR Report (Task 2), which was designed to assess vulnerable populations and coastal resources and provide adaptation options. Revisions to the Coastal Hazards and Adaptation chapter of the LUP (Task 3) were accomplished by collaborating with multiple public agencies and jurisdictions on modelling techniques and adaptation policies. For its targeted update of the Implementation Plan (Task 4), the City reviewed available GIS data on SLR vulnerability, with the use of CoSMos (Coastal Storm Modeling System for Southern California) and other modeling sources, and initiated development of an automated ArcGIS tool to compare projected SLR impact scenarios for project-level screening. However, the City ultimately determined that including specific SLR guidelines for development in an IP is not feasible at this time given that vulnerability depends on specific existing public infrastructure that needs further analysis. As such, the City continues to collect data on SLR and will use public feedback on the *Sea Level Rise Vulnerability Assessment*, input from Commission staff and consultants, and modeling and best practice approaches to determine actionable interim measures appropriate to address climate change hazards. The results of all SLR modeling efforts and adaptation studies will inform further updates of the IP beyond the scope of the grant.
- **Grant Term:** April 30, 2014 - April 30, 2016

8) City of Los Angeles – Grant Total \$100,000

- **Project Summary:** The City of Los Angeles will complete a LCP Framework Plan for the community of Venice, which will include an issues assessment of the land use and environmental concerns involved with the development of a successful Local Coastal Program for Venice. The project includes: research of existing community issues and previous attempts at LCP certification; a public involvement process; development of an issues assessment report; public presentations; and regular coordination with Coastal Commission staff.
- **Work Completed:** The City of Los Angeles completed all tasks under the first phase of its grant project. At the outset of the grant, the City conducted internal research (Task 1) by evaluating and compiling past attempts at LCP Certification. This resulted in the drafting of an Issues Assessment that explores key substantive land

use, planning and regulatory issues in the Venice coastal zone and was heavily informed by interviews with City staff that have a role in reviewing land use and development proposals in the Venice area. Revisions to the Issues Assessment incorporated Commission staff requests to: clarify the public shoreline access component; consider opportunities for providing more parking and creating actionable plans for vehicular in-lieu fee programs; include the need for a beach ecology program that will include beach grooming restrictions and standards; consider adding setbacks from cultural resources and refining what "new" development constitutes; and include shoreline armoring policies in the LUP. The City also conducted a community outreach event (Task 2) to disseminate the Issues Assessment and the Framework Study (Task 3) in the form of an Open House at Westminster School in April 2016. The Open House included a number of stations with topics centering on public access to the shoreline, coastal resources and hazards, housing, mobility, cultural and historic resources, and public participation. The City also finalized the draft Venice Local Coastal Program Framework Study (Task 3) by incorporating Commission comments into a revised version that was resubmitted in mid-April. The Framework Study provides an issues assessment and set of alternatives that will aid in the organization, preparation and funding for the creation of a Venice LCP and Climate Resilience Plan. As part of its deliverables for Task 3, the City also presented the Framework Study to the Planning and Land Use Management Subcommittee and the Mayor's Office. Lastly, the City has maintained coordination with Commission staff throughout the grant project to discuss project challenges and requested product revisions (Task 4).

- **Grant Term:** June 15, 2014 – April 30, 2016

9) City of Hermosa Beach – Grant Total \$100,000

- **Project Summary:** The City of Hermosa Beach will prepare a draft LCP, with the certification process to commence outside the grant term. The project includes an update to the Land Use Plan that was certified in April 1982 and the drafting of the Implementation Plan in order to achieve certification and assume authority for issuing coastal development permits. The project also includes completion of several technical studies that will guide the development of the LCP, including a parking utilization and use study, a beach use survey and management plan, a sea level rise (SLR) vulnerability assessment, and a subsurface stormwater runoff analysis.
- **Work Completed:** The City of Hermosa Beach completed and submitted draft versions of its LUP and IP to Commission Staff for iterative review (Task 4 and 5). This was accomplished following multiple coordination meetings with the Coastal Commission to discuss its grant progress (Task 1), including recent discussions on the City's identification and review of issues of statewide importance and existing issues and constraints (Task 1). Numerous stakeholder engagement activities have also been carried out through Community and Technical Working Groups and by holding community workshops that have included visioning and charrette exercises (Task 2). More recently, the City met with members of the public to review the draft PLAN Hermosa, which is comprised of the City's General Plan and the Coastal Land Use Plan. The City has also completed its outline of the Coastal Boundary and has continued its work on the Issues, Opportunities, and Trends Report (Task 3). All

studies pursuant to Task 3 have also been completed, including: the Parking Utilization and Use Study; Beach Use Survey and Management Plan; Sea Level Rise Vulnerability Assessment (funded through City funds and an OPC Sea Level Rise Planning Grant); and the Subsurface Stormwater Runoff Analysis (partially funded through a Climate Ready Grant) (Task 3). In December, an administrative draft of the integrated General Plan/Land Use Plan -PLAN Hermosa- was completed, with the draft available for public comment until February 2106 (Task 4). Study sessions with the Planning Commission, Public Works Commission, Parks and Recreation Commission, Emergency Preparedness Advisory Committee, and City Council are scheduled through June (Task 7). The City has also completed working drafts of its Implementing Ordinances (Task 5) and awaits Commission Staff revisions that the City will incorporate beyond the scope of the grant term.

- **Grant Term:** April 30, 2014 - April 30, 2016

10) City of San Clemente – *Grant Total \$90,000*

- **Project Summary:** The City of San Clemente will prepare a draft LCP Update and a draft IP. Over the past three years, the City has been working on a new General Plan and Coastal Element, with coordination between the City and Coastal Commission staff ongoing. The Land Use Plan was last updated in 1995, and City staff began a LUP update in 2012. The grant project includes: 1) completing a biological and ESHA inventory; 2) evaluating hazards related to the coastal canyon and bluff areas and developing policies and measures to mitigate threats; and 3) completing an administrative draft of the LUP Update and IP. Certification of the LCP will commence after the grant period closes.
- **Work Completed:** The City of San Clemente has completed administrative drafts of its LUP Update and IP, with the LUP recently modified and approved by the City Council in February 2016 and the IP currently under iterative review with Coastal Commission Staff. Key modifications to the draft LUP encompassed updated background descriptions of ESHAs and updates to the Biological Inventory to more accurately describe the degraded habitat condition of the majority of the coastal canyons in San Clemente. Policies related to wetlands and ESHAs were also updated to reflect Commission staff's request that buffer setbacks be established in relation to existing conditions, while policies in the Hazards chapter of the LUP were reorganized and modified for increased clarity. Earlier in the grant project, the City held a kickoff meeting (Task 1) to discuss the project scope and to identify key topics to address in the LCP. This was followed by the City preparing a Biological Inventory and GIS Base Map of coastal canyons and coastal bluffs that includes vegetation and animal distribution, land use patterns, geological and hydrological processes, and sensitive habitat distribution (Task 2). The City has also maintained its public outreach efforts, with numerous LCP-related informational workshops held, a website launched, and more workshops anticipated to coincide with development of the IP (Task 3).
- **Grant Term:** April 30, 2014 - April 30, 2016

11) City of Solana Beach – Grant Total \$120,000

- **Project Summary:** The City of Solana Beach will update and complete the Solana Beach Land Lease/Recreation Impact Mitigation Fee Study for shoreline protection devices, as well as submit an LCP amendment to incorporate the methodology developed as part of the study. The study was first prepared in 2010 as part of the City's LCP, but was not completed due to a lack of funding. The Local Assistance grant will assist the City in completing the study and submitting an LCP amendment. The project will include review of the comments received on the 2010 report; consideration of sea level rise and changing erosion rates; and updates to the report to ensure adequate representation of surfing resources, aesthetic values, and ecological values in the impact fee calculations.
- **Work Completed:** The City of Solana Beach has completed and submitted to Coastal Commission Staff both the draft Land Lease/Recreation Fee Study (Tasks 1 and 7) and the LCP Amendment incorporating the findings of the draft Fee Study (Tasks 7-11). This was accomplished by ongoing coordination and data collection efforts throughout the grant term (Tasks 2 and 3), with more recent data collection encompassing coordination with Surfrider to obtain monitoring data and with Commission staff to incorporate data from the National Oceanic and Atmospheric Administration (NOAA) Funded Beach Evaluation Study. In February 2016, the City released the second revised draft of the Fee Study incorporating Commission Staff and public comments (Task 4). The City also held numerous public workshops and meetings as part of its commitment to gather public input on the Fee Study update (Task 5 and 8), while meetings with the City Council LCP Ad-Hoc Committee were held as needed to obtain direction on the grant project schedule and deliverables (Task 6).
- **Grant Term:** May 30, 2014 - April 30, 2016

EXHIBIT 4

California Coastal Commission Local Coastal Program Planning Grant Program

FY 2014-2015 LCP Grants – 4th Status Report

The following is a summary of the work completed under the 13 Local Coastal Program (LCP) Grant agreements awarded in Fiscal Year 2014-2015 from April 1, 2015 to March 31, 2016.

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 of Humboldt has continued with its collaborative efforts initiated during the Round 1 LCP grant by coordinating with the Humboldt Bay Harbor Recreation and Conservation District (HBHRCD) and the Cities of Eureka and Arcata over the collection and analysis of data pertaining to coastal dependent industrial land (CDI) (Task 1). CDI data that has been collected has been refined with parcel specific data from the County GIS system (Task 5), a task that is being prepared in concert with the Round 1 LCP grant. The County has also 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 (Task 2). Additionally, public outreach has commenced with an informational website displaying the LCP update process for community members and interested parties. For Humboldt Bay-wide tsunami safety planning (Task 3), the County has maintained coordination with the National Oceanic and Atmospheric Administration (NOAA) regarding Tsunami Ready Status for unincorporated communities in Humboldt County. Recently, County staff held a meeting on California Tsunami Hazard Mitigation with Humboldt Bay Local Coastal Planners and the California Geological Survey on January 20, 2016 to discuss new tsunami mapping techniques and modelling.
- **Grant Term:** April 27, 2015 - April 30, 2017

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 (ADC); 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 (Task 1). For example, in January 2016, the Trinidad Bay Watershed Council held a meeting in which an update on the LCP Grant project was provided to the public. Informational flyers were also distributed that directed interested parties to the City's LCP Grant webpage (Task 1). As part of its efforts to engage key stakeholders in the LCP update, the City has also continued to respond to General Plan and LCP-related inquiries from the public and community advocacy groups, such as the Trinidad Rancheria. Data collection and analysis of local climate change and adaptation resources has been completed, with the City now revising the draft Climate Change Vulnerability Report following the release of the report to the public (Task 2). The City has also completed and submitted a draft of its Needs Assessment for the Implementation Plan (Task 3). This has entailed a review of its zoning ordinance to assess for data gaps and deficiencies after inconsistencies between its draft LUP elements and the Commission's LCP Update Guide were identified. Lastly, the City has continued its Tribal consultation for the purpose of incorporating the Tsurai Management Plan into the LCP. Recently, the City met with the Tsurai Ancestral Society, the Yurok Tribe and the Trinidad Rancheria over the development of a Cultural Resources Element (Task 4).
- **Grant Term:** April 13, 2015 - April 30, 2017

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 tasks include 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; it also represents a continuation of the Ocean Beach Master Plan's multi-stakeholder engagement process. Recent public and agency engagement-related activities have included an Ocean Beach Steering Committee meeting and an Interagency Advisory Committee meeting held in March 2016; coordination with District 1-3 Board of Supervisors in April 2016; and the first public open house on April 19, 2016. Earlier in the grant term, the City and County held a kick-off meeting with the Interagency Advisory Committee and visited Ocean Beach with stakeholders and consultants. The City and County has also completed a public review draft of the Sea Level Rise (SLR) Existing Data and Analysis Technical memorandum as part of the Existing Data and Analysis summary (Task 2). In collaboration with FEMA, the City and County has obtained data and maps for its completed FEMA Open Coast SLR Pilot Study. Efforts to translate the vision of the Ocean Beach Master plan into a draft set of policies that will address sea level rise in San Francisco's Coastal Zone (Task 3) also continues with the City and County refining policy language as additional FEMA data and public input are received. Lastly, the City and County has also discussed its policy approach with the Planning Department's Senior Policy Advisor, the SPUR Ocean Beach Master Plan Project Manager, members of the Steering Committee, Community Advisory Group, and Coastal Commission Staff.

- **Grant Term:** May 1, 2015 - April 30, 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 for Coastal Commission review and certification.
- **Work Completed:** As part of its effort to develop a robust outreach program during the LCP grant term (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 has also recently held a joint informational session with the City's Planning Commission and City Council to discuss the LCP planning process, while three public workshops have 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 sea level rise 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 threat 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. Lastly, the City has completed a draft Vision, Goals and Objectives Report and submitted it to the City Council for approval (Task 4). The purpose of the Report is to represent the community's general direction on LCP planning topics.

- **Grant Term:** May 1, 2015 - April 30, 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 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 Local Coastal Program (LCP). The grant project will build off a sea level rise project funded by the 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:** A special joint meeting of the City Council, Planning Commission, and the General Plan and Local Coastal Program Advisory Committee (GPAC) was held on February 23 to kick-off the LCP grant project. The City has also hired a consultant for grant-related work; held an informational meeting to discuss general concepts of the LCP grant project with members of the public; and formed the GPAC to support the policy direction provided by the Council and to provide input and guidance to city staff and the consultant team on the planning process and its products. The GPAC will also serve as a liaison to the community on General Plan related topics and will seek consistency with the City's vision during General Plan/LCP deliberations.
- **Grant Term:** June 1, 2015 - April 30, 2017

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 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, with an additional stakeholder meeting held in February 2016. For the purpose of populating the regional resource database (Task 3), the County has digitized its Coastal Armoring Permit data and converted Census data in ArcGIS; to complete this task, the County will finish compiling Assessor data based on 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 continued with its development of a

backshore characterization inventory that includes the parameters necessary to drive the coastal hazards model (Task 5). Currently the County is collecting data on erosion rates based on the geology of the shoreline; combining the updated coastal armoring database with LIDAR elevations of armoring structures; and modeling wave transformations. A technical method report on the Task 5 Modelling and Mapping of Multiple Coastal hazards is available and is being revised to include coastal armoring. For work on the Coastal Hazard Vulnerability Assessment (Task 7), the County has continued to review 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. Lastly, the County held a workshop in February 2016 to discuss new and existing coastal hazard policies and adaptation strategies with the public (Task 8), while a comparison of existing coastal development and adaptation strategies (of the County's current LCP) with the Commission's adopted Sea Level Rise Policy Guidance document continues (Task 9).

- **Grant Term:** June 18, 2015 - April 30, 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. Additionally, the City has held Agency Stakeholder Committee (ASC) and Technical Advisory Committee (TAC) meetings, with regional stakeholders such as Port Hueneme and State Parks participating (Task 1). Work on the SLR Report (Task 2) has also been completed following local hydrology modeling. 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). The City has also commenced with preparing SLR Risk Assessments (Task 3) for all planning areas, with the Storm Drain SLR Vulnerability mapping, Tsunami Vulnerability Assessment, and Channel Islands Harbor Vulnerability Assessment already drafted. 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, and environmentally sensitive habitat areas. For SLR adaptation policies related to energy uses and wetlands, the City has coordinated with Coastal Commission Staff, and with the Coastal Conservancy regarding the cleanup of Ormond Beach. Lastly, work has continued on updating the existing Land Use Plan and Implementation Plan, with the City in ongoing contact with UCLA's Law School regarding policy development (Task 5).
- **Grant Term:** June 1, 2015 - April 30, 2017

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

- **Project Summary:** The City of Santa Monica will develop a new Local Coastal Program (LCP), consisting of a revised Land Use Plan and new Implementation Plan. The LCP will 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, providing for community engagement, developing an implementation plan structure, assessing climate vulnerability, and developing policies to address potential threats from climate change.
- **Work Completed:** The City of Santa Monica has hired a grant-funded assistant planner for the duration of the grant project and selected a consultant following a review of consultant teams (Task 1). For its efforts on data gathering, research and an analysis of key issue areas (Task 2), the City has reviewed adopted plans in the City's coastal zone, evaluated current coastal transportation investments and future budgeted capital improvements, and prepared an LUP outline and memo identifying LUP areas for 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 been created as part of the City's community outreach efforts (Task 3), while multiple stakeholder outreach meetings have been held, including meetings involving the City's Planning Commission; the Pier Corporation Board; the Task Force on the Environment; the Landmarks Commission; and the Commission for the Senior Community (Task 3). Lastly, the City has commenced with developing its LUP Update Framework (Task 4), which will present, when complete, the key LUP issues in need of updating as well incorporating the preliminary results of the SLR study and outlining the overall process for updating the LUP.
- **Grant Term:** April 13, 2015 - April 30, 2017

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

- **Project Summary:** The City of Los Angeles will prepare a new Local Coastal Program for the Venice LCP segment based on work completed as part of a grant that the City Planning Department received from the Coastal Commission in fiscal year 2013-14. The Venice LCP will act as a pilot LCP, providing the City a foundation upon which to develop future LCPs for other segments within the City. This grant project consists of updating the Land Use Plan and drafting a new Implementation Plan through an analysis of climate change impacts, as well as drafting policies to address sea level rise.
- **Work Completed:** The City is now preparing for its first public workshop on the policy objectives of the Venice LCP having prepared maps, a preliminary outreach strategy and communication materials (Task 1). Moreover, the City has coordinated with regional partners on Sea Level Rise work via Adapt LA and has participated in regional meetings and webinars to date (Task 1). Lastly, a project website for

stakeholders to access documents, meeting notices and other information about the grant is anticipated to be completed in the next quarter (Task 1).

- **Grant Term:** June 29, 2015 - April 30, 2017

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 tasks 1-4 of the Phase II grant project. Task 1 (Community Outreach) commenced with the completion of the City's Public Review Draft of the Implementation Plan (under Phase I) and its posting on the City's website and mailing to community members and civic organizations. As part 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 to be held as needed. The IP was then revised following public comment and Coastal Commission input (Task 2 and 3), with the finalized IP approved by the City's Planning Commission and City Council in November (Task 4). Subsequently, the City submitted the IP application package to the Coastal Commission, which deemed the application package complete on February 19, 2016 (Task 5). At present, the City is awaiting comments from Commission Staff, while the City prepares for a public hearing on the IP in May 2016 (Task 5). Moving forward, the City will initiate the adoption phase of the IP pending Commission approval, which will involve incorporating any Commission suggested modifications and submitting the revised IP to the City Council (Task 6).
- **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 develop a 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 been revised to address Commission staff comments. Likewise, a draft of the Existing Conditions Report (Task 2) has been submitted to Commission Staff for review as the County continues to refine its data on sea level rise, erosion, storm water management, and climate change. County Staff has also held numerous public outreach events on the LCP update project, with a presentation on the project scope held at the Rancho Santa Fe Association Covenant board, the San Dieguito Community Planning Group, and the County's Planning Commission (Task 2). The County 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). Lastly, a draft and final LUP outline was submitted to Commission Staff and is currently under review, while an outline for the creation of an IP has also commenced (Task 5).

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

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 within the City's coastal zone. The LCP will include policies and adaptation measures for sea level rise, 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 initial task for the grant project by evaluating consultant proposals and selecting a consultant, while a kick-off and outreach planning meeting were held in October and December of last year (Task 1). For its research efforts on Sea Level Rise (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 participated in the AdaptLA webinar on SLR as part of its collaboration with regional stakeholders (Task 5). SLR research continues as the City evaluates a range of SLR projections relevant to the Carlsbad planning area and data on historic coastal erosion rates (Task 2). A draft SLR Vulnerability Assessment has also been completed, with the City now incorporating Commission comments and adaptation measures and strategies into a finalized version (Task 2). Lastly, an LCP outline has been completed and shared with Commission Staff in March 2016; the City is now revising the outline and has begun preparing drafts of both the Land Use Plan and Implementation Plan (Task 3), while also regularly coordinating with Commission Staff (Task 5).
- **Grant Term:** April 1, 2015 - April 30, 2017

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 has selected its consultant following a review of 5 consultant proposals (Task 1). This was followed by the City Council establishing a Stakeholder Technical Advisory Committee (STAC), which held its first meeting in July to review the Committee's mission and work program, review public meeting laws, make committee nominations, and provide updates on regional sea level rise efforts (Task 1). The City has also completed its assessment of existing conditions by compiling data and determining information gaps (Task 2). An extensive refinement of the Planning Area boundaries continues, with the City working with the Commission's Mapping Unit on the development of coastal zone and coastal appealable zone maps; GIS layers for the project area were completed in January 2016 (Task 2). Initial CoSMoS 3.0 100-year data results have also been incorporated into the model for defining the planning area (Task 2). Furthermore, STAC meetings have been held to obtain input on Planning Area refinement and proposed methodologies for SLR modeling, including a recent meeting in December 2015 (Task 2), while work on the Vulnerability Assessment has continued as the City works to refine a draft that was completed in April.
- **Grant Term:** April 16, 2015 - April 30, 2017