The California Coastal Commission is pleased to announce the availability of Round 5 grant funding to support local governments in developing new or amending existing Local Coastal Programs (LCPs) pursuant to the California Coastal Act and with special emphasis on planning for strategies to reduce greenhouse gas emissions, adapt to the impacts of climate change, and maximize benefits to disadvantaged and low-income communities. Funding is provided by the California Climate Investments program, a statewide initiative funded by appropriations from the Greenhouse Gas Reduction Fund, which puts billions of Cap-and-Trade dollars to work by reducing greenhouse gas emissions, strengthening the economy, and improving public health and the environment—particularly in disadvantaged communities.

A total of $750,000 is available for this fifth round of grant funding.

Coastal Commission staff is available to assist during the application process. Applicants are encouraged to reach out to the LCP Grant team with any questions as they develop their applications.

Grant applications are due by September 14, 2018 at 5 pm.

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1 California Climate Investments is a statewide program that puts billions of Cap-and-Trade dollars to work reducing GHG emissions, strengthening the economy, and improving public health and the environment—particularly in disadvantaged communities. The Cap-and-Trade program also creates a financial incentive for industries to invest in clean technologies and develop innovative ways to reduce pollution. California Climate Investments projects include affordable housing, renewable energy, public transportation, zero-emission vehicles, environmental restoration, more sustainable agriculture, recycling, and much more. At least 35 percent of these investments are located within and benefiting residents of disadvantaged communities, low-income communities, and low-income households across California. For more information, visit the California Climate Investments website at: www.caclimateinvestments.ca.gov.
Please note the entire grant application will be public record upon submittal. Click in the shaded text fields to enter text, numbers and dates. The fields will expand to accommodate the data.

**APPLICANT INFORMATION**

Applicant name (agency): City of Manhattan Beach  
Address: 1400 Highland Ave. Manhattan Beach, CA 90266  
Contact name: Dana Murray  
Title: Environmental Manager  
Telephone: 310-802-5508  
Fax: .  
Email: dmurray@citymb.info  
Federal Tax ID#: 95-6000742

Person authorized to sign grant agreement and amendment:  
Name: Bruce Moe  
Title: City Manager  
Application prepared by: Name: Dana Murray  
Title: Environmental Manager  
Signature:  
Date: 9/14/2018

**PROJECT INFORMATION**

Project title: City of Manhattan Beach LCP Update and Sea Level Rise Planning  
LCP/ LCP Segment: Manhattan Beach  
Project location: City / Geographic area: Manhattan Beach  
County: Los Angeles  
Project timeline: Start date: 1/1/2019  
End date: 12/31/2020

**MAPS AND PHOTOS**

Applications must include a map showing the planning area for the project. Additional photos or maps may be included as attachments if needed to illustrate the proposed project, including maps or other information identifying disadvantaged and low-income communities within the planning area as identified through the California Climate Investments program (see https://www.arb.ca.gov/cc/capandtrade/auctionproceeds/communityinvestments.htm/). Please note: any photos and maps you submit are subject to the unqualified and unconditional right of the State of California to use, reproduce, publish, or display, free of charge. Please indicate if crediting is requested for the photos and/or maps.
1. **Project Description.**

The City of Manhattan Beach has demonstrated leadership and commitment to the environment and will be launching a project to actively plan for sea level rise (SLR) to protect local beaches, coastal bluffs and dunes, the public Pier Historic Landmark, Roundhouse Aquarium, Marvin Braude Bike Path, The Strand pedestrian walkway, public beach parking lots, lifeguard stations, public restrooms, public playgrounds, recreational facilities, stormwater filtration systems, maintenance facilities, and environmental resources to minimize impacts to residents, businesses, and visitors. As part of Manhattan Beach’s Coastal Resiliency and Climate Change Adaptation Project, and consistent with the California Coastal Act, the City of Manhattan Beach proposes to update the Local Coastal Program (LCP) to better plan for climate change in the Coastal Zone, particularly for sea level rise, extreme high tides, flooding, storm events, and coastal erosion.

The goal of the City of Manhattan Beach’s Coastal Resiliency and Climate Change Adaptation Project is to complete best-practice SLR and climate change analyses and planning, thereby providing a strong scientific basis to inform and enhance the preparation and implementation of the City's Climate Action and Adaptation Plan and update to the LCP, General Plan, and Hazard Mitigation Plan.

In parallel with this SLR project, Manhattan Beach has committed funding to update the City’s outdated Climate Action Plan, with the aim to reduce Greenhouse Gas emissions (GHGs) both through climate action goals and projects, as well as through protecting and promoting multi-modal transportation along the coast. By investing in sound science-based SLR planning in Manhattan Beach, the CCC would be supporting efforts to preserve the beach bike path and pedestrian walkway along The Strand, as well as visitor-serving coastal infrastructure. As a coastal city along Santa Monica Bay in Los Angeles County, Manhattan Beach’s coast is a prime daytrip destination for Angelenos from across the County, including disadvantaged and low-income communities, especially on hot days when inland communities escape to the beaches for cooler weather and the ocean. Manhattan Beach is neighbor to several disadvantaged inland communities, whose residents frequent the City’s coast and beaches regularly for coastal recreation.

This analysis and update to the LCP will include a SLR vulnerability and risk analysis taking into consideration coastal storms and SLR overland flooding. The City plans to use the United States Geological Survey (USGS) Coastal Storm Modeling System 3.0 (CoSMoS), and analyze the impacts from SLR to the local groundwater table, and the confluence of precipitation and storm events' impact on stormwater infrastructure. Manhattan Beach plans to assess SLR vulnerability through scenario-based analyses and coordinate SLR preparedness work with other local jurisdictions and state agencies. The vulnerability assessment will show the City’s current hazards and project future flood impacts from coastal storm events, as well as risk to the Manhattan Beach shoreline from projected beach erosion. The assessment will be based on an initial
analysis using an approach developed to address Manhattan Beach’s existing hazards and supplement results from USGS’ CoSMoS. The City proposes to complete the SLR vulnerability assessment in-house utilizing City staff and Sustainability Task Force members and City funding, as well as in-kind staff time from USGS.

Once the coastal climate vulnerabilities have been assessed, the City plans to identify SLR adaptation strategies to incorporate into the development of a Climate Action and Adaptation Plan, and update the City’s LCP, Hazard Mitigation Plan, and General Plan. These plans will go for approval by the Manhattan Beach City Council and subsequent request for LCP certification by the California Coastal Commission (CCC).

The City of Manhattan Beach also plans to incorporate a strong public process and outreach to the community in partnership with USC Sea Grant (and AdaptLA) and USGS, utilizing innovative forms of communication such as virtual reality to complement deliberate stakeholder engagement. We will build on existing efforts developed by USC Sea Grant and the USGS in other L.A. County coastal communities. The City will utilize the Manhattan Beach Sustainability Task Force to help develop the SLR adaptation plan, to ensure the process is open, inclusive, and develops science-based recommendations amongst stakeholders.

The project will reflect the latest data and research in regard to coastal issues, including the effects of climate change and SLR, utilize the CCC’s Sea Level Rise Policy Guidance and perform grant work in accordance with climate change principles outlined in the Safeguarding California Plan and OPC’s Sea Level Rise Guidance Document. We will develop a trigger-based approach that will allow us to prepare for the impacts of coastal hazards under a range of scenarios. This will include discussion of the OPC’s H++ scenario, in concurrence with the CCC’s request to have communities consider the worst case scenario under the precautionary principle. An adaptation pathways approach will allow us to develop an economically and politically-feasible plan to prepare far into the future.

An LCP planning grant from the CCC, with supplemental funding from the City of Manhattan Beach and in-kind collaboration with USGS and USC Sea Grant, will make this effort to build coastal resiliency and plan for SLR possible.

In-kind services will be provided by Manhattan Beach Community Development Department Environmental Sustainability Staff, Planning Staff, and IT GIS staff for the following components of the Update: manage day-to-day project organization, communication, and consultant services; develop maps, GIS layers, graphics, and descriptions to communicate impacts; analyze and model the SLR vulnerability and risk assessment; review technical reports for consistency with existing policy and practice; facilitate stakeholder outreach including meeting organization, communication, and presentation materials; process the plans through the Planning Commission, City Council, and CCC for review and approval.
2. **Task Descriptions and Schedule.**

A. **Task Descriptions:**

The proposed project will include completion of technical studies and incorporation of SLR adaptation options into an LCP Update, as well as finalization and local adoption of an LCP Update that will be submitted to the CCC. Specific project tasks and deliverables include:

- Sea Level Rise Vulnerability Assessment including Confluence Modeling
- Sea Level Rise Adaptation Plan
- Public Outreach
- LCP and General Plan Policy Development
- Local Adoption and Commission Review
- General Plan Update
- Local Hazard Mitigation Plan Update

**Task 1. Project Initiation**

- **Task 1.1: Project Initiation and Professional Consultant RFP**
  - **Objectives:**
    - Executing the grant agreement with the California Coastal Commission (CCC) and determining information and resource needs.
    - Preparing a request for proposal (RFP). The RFP will seek proposals from professional consultants and/or researchers who are qualified to assist the City primarily in completing tasks outlined below.
    - Evaluating consultant proposals and completing the selection process.
    - Updating the work program and schedule once a consultant is under contract.
    - Identify stakeholders and decision makers, and initiate the SLR Vulnerability and Risk Assessment with the Manhattan Beach Sustainability Task Force, USGS, USC Sea Grant, and City Staff.
  - **Deliverables:**
    - RFP process
    - Professional consultant under contract
    - Updated work program and schedule
    - Team kick-off
    - CCC coordination meeting
    - Project Website

**Task 2. Sea Level Rise Vulnerability and Risk Assessment**

- **Task 2.1: Research Sea Level Rise Impacts (Funding Source: City, with in-kind support from partners)**
  - **Objectives:**
    - Gather existing conditions information, data on historic coastal or shoreline erosion rates, review climate change research needs and methodology.
Potential physical SLR impacts in the LCP planning area will be identified including inundation, flooding, wave impacts, erosion and saltwater intrusion impacts.

Coordination with the USC Sea Grant team on SLR vulnerability report and evaluating the study’s anticipated impacts on current specific plans and Land Use Plan (LUP).

- Deliverables:
  - Stakeholder meeting to identify key issues.
  - Draft key issues analysis including any maps, GIS layers, graphics, figures, etc.

Task 2.2: Sea Level Rise Risk, Hazards, and Vulnerability Assessment (Funding Source: City, with in-kind support from partners)

- Objectives:
  - Potential current and future impacts from SLR hazards and coastal storm events will be identified based on a range of SLR projections as outlined in OPC’s Sea Level Rise Guidance Document.
  - Develop descriptions of the characteristics that influence risk, including exposure, sensitivity, and adaptive capacity of each coastal resource to SLR impacts, along with the expected consequences of those impacts for the resource and broader community.
  - Using the best available science, analyses will be performed for different future planning horizons, such as 2050 and 2100.
  - The flood analysis will examine direct connectivity through pipes and storm drains, as well as storm-related impacts. Flood and wave impacts will examine, among other scenarios, the impact from a 100-year storm event when the beach is narrowed by both seasonal erosion and long-term erosion.
  - Maps, GIS layers, graphics, figures, charts, tables, descriptions or other systems will illustrate the impacts of current and future hazards and changes to current and future coastal resources, including beaches and dunes that may be restricted from future migration by natural or human-constructed barriers.
  - A range of sea level rise projections relevant to the Manhattan Beach LCP planning area will be developed
  - Inform a risk assessment including probabilities of future occurrences of events, such as future threats, the magnitude of impacts, timing and certainty using the USGS Hazard Exposure Risk & Analysis (HERA) tool.
  - Assess potential risks from SLR to coastal resources and development in Manhattan Beach’s LCP planning area.

- Deliverables:
  - Focusing on coastal storm and SLR overland flooding, assess land uses at risk through CoSMoS modeling and create maps of resources and land uses at risk.
  - Communicate the risks and impacts of current and future hazards through maps, graphics, figures, charts, tables, descriptions and other systems.
Dissemination of results and comparison of impact analyses with neighboring coastal governments through coordination with regional stakeholders.

Commission staff and City will meet to discuss staff comments on analysis.

- **Task 2.3: USGS groundwater-SLR hazard analysis (Funding Source: CCC)**
  - **Objectives:**
    - Using research underway by the USGS and the University of Wyoming (which will be complete by this proposed project’s inception), this analysis will project where sea level rise will raise groundwater water tables and potentially lead to surfacing of the water table.
    - Assess how water table shoaling may impact subterranean city infrastructure (storm drains, pipes, utility assets) and/or where the shoaling may lead to ponding of groundwater in low-lying sections of the coast under a range of sea level rise scenarios.
    - Develop descriptions of the characteristics that influence risk, including exposure, sensitivity, and adaptive capacity of each coastal resource to water table shoaling, along with the expected consequences of those impacts for the resource and broader community.
  - **Deliverables:**
    - USGS groundwater-SLR hazard maps demonstrating water table elevations with associated sea level rise projects.
    - Table and associated GIS shapefile that identifies subterranean City assets and their vulnerability to water table shoaling; as well as locations of potential backshore water table surfacing.

- **Task 2.4: Confluence Modeling on Stormwater Infrastructure (Funding Source: CCC)**
  - **Objectives:**
    - Assess the confluence of precipitation rain and coastal wave-driven storm events and impacts on stormwater infrastructure
    - Determine which of the City’s stormwater conveyance assets may be impacted by the confluence of coastal and rain-driven events.
    - Develop descriptions of the characteristics that influence risk, including exposure, sensitivity, and adaptive capacity of the City’s stormwater system to the confluence of coastal and precipitation events, along with the expected consequences of those impacts for the resource and broader community
  - **Deliverables:**
    - Table and associated GIS shapefile that identifies subterranean City assets and their vulnerability to water table shoaling; as well as locations of potential backshore water table surfacing.

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**Task 3. SEA LEVEL RISE ADAPTATION PLAN**

- **Task 3.1: Sea Level Rise Adaptation Research and Impacts**
  - **Objectives:**
The City will use the products developed in Task 2, the best available science on SLR, including the CCC’s SLR Guidance document, to inform the adaptation plan.

Outreach will include discussion of the scientific information as well as discussion with key stakeholders to draft SLR risk assessment, as well as identify potential adaptation measures and strategies.

- **Deliverables:**
  - Stakeholder meeting to identify SLR adaptation measures and strategies
  - Outline of SLR adaptation measures and strategies

**Task 3.2: Sea Level Rise Adaptation Plan**

- **Objectives:**
  - Develop adaptation measures/strategies to minimize risks from hazards and to protect coastal resources.
  - Evaluate and prioritize adaptation measures that may be appropriate to both minimize hazards and protect coastal resources in Manhattan Beach.
  - Identify measures/strategies to address Manhattan Beach’s specific SLR vulnerabilities, including minimizing impacts and risks to coastal resources, infrastructure, and development.
  - Provide guidance on how to assess and determine which adaptation measure/strategy is appropriate and when to implement adaptation measures/strategies.
  - Ensure that SLR adaptation measures/strategies utilize guidance from *Safeguarding California Plan for Reducing Climate Risk* and incorporate measures that protect California’s most vulnerable populations, achieve multiple benefits from efforts to reduce climate risks, prioritize green infrastructure solutions, and integrate climate risk reduction with emissions reductions where possible.
  - Develop a trigger-based, adaptation pathway strategy for implementing identified adaptation measures with the goal of having an economically and politically feasible plan that prepares the City for the worst case scenario of the hazards described above (to be developed with stakeholders and CCC staff).

- **Deliverables:**
  - Draft Sea Level Rise Adaptation Plan for incorporation into the City’s Climate Adaptation Plan, LCP, General Plan, and Hazard Mitigation Plan.
  - The City and CCC will meet and coordinate to exchange drafts and comments prior to drafting the LCP amendment.

**Task 4. DEVELOP LCP LANGUAGE**

- **Task 4.1 Preparation of LCP Annotated Outline**
  - **Objectives:**
    - Preparation of an LCP annotated outline for the project. The outline will identify the required components of the updated LCP Land Use Plan, including new provisions to address SLR, as well as areas of revision.
consistent with California Coastal Act compliance and updates to the City’s General Plan.

- The City will submit a draft of the annotated outline to the CCC for review. The City and CCC will exchange drafts and comments through iterative review prior to completing the outline.
  - Deliverable: Annotated LCP Land Use Plan Outline

- Task 4.2 Draft LCP Land Use Plan
  - Objectives:
    - Comprehensive update to Manhattan Beach's LCP Land Use Plan which will incorporate the SLR adaptation measures and strategies identified in Task 3, and will be consistent with the California Coastal Act and updated Manhattan Beach General Plan.
    - Graphics will clearly delineate the Coastal Zone Boundaries, as well as the City’s zoning and land use designations within these zones.
    - The updated LCP Land Use Plan will include policies that address protection of coastal resources, including: planning and new development; hazards/shoreline development; public access and recreation; coastal habitats; coastal resources; agricultural resources; water quality; archaeological/paleontological resources; scenic resources; energy, industrial, and other coastal development uses.
    - Assess, or specify a program/process to assess, whether current and planned land uses are feasible given SLR impacts and if land uses should be revised accordingly.
    - Identify new policies and ordinances to implement the adaptation measures.
  - Deliverable: Draft updated Manhattan Beach LCP Land Use Plan
    - The City will provide an initial draft of the LCP amendment to the CCC for review prior to any formal LCP amendment submittal.
    - The City and CCC will exchange drafts and comments through an iterative review process prior to completing the Draft LUP amendment.

- Task 4.3 Draft LCP Implementation Plan
  - Objectives:
    - Prepare a new/updated LCP Implementation plan (zoning ordinances) to implement the updated General Plan and LCP.
    - Measures and standards that address SLR adaptation will be incorporated into the updated LCP Implementation Plan (IP).
  - Deliverable: Draft LCP Implementation Plan
    - The city will provide an initial draft of the IP amendment to the ccc for review prior to any formal LCP amendment submittal.
    - The City and CCC will exchange drafts and comments through an iterative review process prior to completing the Draft IP.

Task 5. PUBLIC PROCESS & OUTREACH
- Task 5.1: Public Review
  - Objectives:
Public review of the draft Manhattan Beach LCP will be initiated with an emphasis on the need to analyze, plan for, and adapt to the effects of SLR along the coast, the City will conduct community outreach to inform and consult with key stakeholders, decision-makers, and other interested parties prior to City adoption of the LCP.

- USC Sea Grant and the USGS CoSMoS Director of Outreach will assist with public meetings. As the consultant comes on board, they will be incorporated into the public outreach events.
- Building on past efforts in LA County, the City of Manhattan Beach will work with USC Sea Grant and USGS to develop virtual reality applications that help the community visualize the projected impacts, as well as the potential adaptation solutions.
- The draft LCP Land Use Plan will be revised as necessary following public review. The City will provide a summary of changes to the LCP from public review to the CCC.
- Communicate the risks and impacts of current and future hazards through maps, graphics, figures, charts, tables, descriptions and other systems.

Deliverables:
- Virtual Reality Applications
- Updated draft Manhattan Beach SLR Adaptation Plan
- Updated draft LCP amendment

**Task 5.2: Planning Commission**
- Objectives:
  - The draft LCP will be presented to the Planning Commission for consideration and recommendation to the City Council.
  - The professional consultant will assist with public hearings.
  - The City will inform CCC regarding any recommended changes in the Planning Commission recommendation.
- Deliverable: Obtain recommendation from Planning Commission

**Task 5.3: Manhattan Beach City Council and Submit to CCC**
- Objectives:
  - The draft LCP and Planning Commission recommendation will be presented to City Council for consideration.
  - The professional consultant will assist with public hearings.
  - Following the City Council approval of the LCP and authorizing to submit, the plan will be submitted to CCC for review and consideration. Completion of this task does not require the CCC to have approved the LCP update.
  - The City will submit the draft LCP documents (text, maps, and/or exhibits) to CCC staff in paper hardcopy as well as an electronic copy in permanent format (such as an Adobe Acrobat .pdf file) and one electronic copy in an editable format (such as in Microsoft Word .doc).
- Deliverable: City Council approved LCP update.

**Task 6. AGENCY, REGIONAL, AND STAKEHOLDER COORDINATION**
- Task 6.1: Coordination with CCC staff
Objectives: The City will continue to hold regular coordination meetings (phone or in-person) with Coastal Commission district staff on a monthly basis, or as needed.

- Task 6.2 Regional and LCP Planning Grant Coordination
  - Objectives: The City will coordinate and share information and lessons learned as appropriate with other LCP planning grant recipients, regional local coastal jurisdictions, and stakeholders. This includes participating in webinars, regional workshops, and scheduling coordination meetings as needed.
  - Deliverable: Updated draft documents; Notes from meetings.

### B. SCHEDULE:

Proposed starting date: 1/1/2019
Estimated completion: 12/31/2020

<table>
<thead>
<tr>
<th>Task 1. Project Initiation</th>
<th>Projected start/end dates: 1/1/2019/ 7/1/2019</th>
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<tbody>
<tr>
<td>1.1 Project Initiation and Professional Consultant RFP</td>
<td>Projected start/end dates: 1/1/2019/ 7/1/2019</td>
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**Task 1 Outcome/Deliverables:** RFP process, professional consultant under contract, updated work program and schedule, team kick-off, CCC coordination meeting, project website

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<tr>
<th>Task 2. Sea Level Rise Vulnerability &amp; Risk Assessment</th>
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<tr>
<td>2.1 Research Sea Level Rise Impacts</td>
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<tr>
<td>2.2 Sea Level Rise Risk, Hazards, &amp; Vulnerability Assessment</td>
<td>Projected start/end dates: 2/1/2019/ 7/1/2019</td>
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<tr>
<td>2.3 Groundwater &amp; Sea Level Rise Hazard Analysis</td>
<td>Projected start/end dates: 7/1/2019/ 12/31/2019</td>
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<tr>
<td>2.4 Confluence Modeling on Stormwater Infrastructure</td>
<td>Projected start/end dates: 7/1/2019/ 12/31/2019</td>
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</table>

**Task 2 Outcome/Deliverables:** Stakeholder meetings; draft key issues analysis; CoSMoS models and maps; communication of risks and impacts through maps, reports, graphics, etc.; dissemination of results; Sea Level Rise Vulnerability and Risk Assessment; Groundwater & SLR Hazard Analysis, Maps, & Tables; Confluence Modeling on Stormwater Infrastructure Tables and Maps; CCC and City meetings.

|-------------------------------------------------------|-----------------------------------------------|
### 3.1 Sea Level Rise Adaptation Research & Impacts
Projected start/end dates: 7/1/2019/ 10/1/2019

### 3.2 Sea Level Rise Adaptation Plan
Projected start/end dates: 10/1/2019/ 2/1/2020

**Task 3 Outcome/Deliverables:**
- Stakeholder meetings; outline of SLR adaptation measures and strategies; draft Sea Level Rise Adaptation Plan; CCC and City meetings.
Projected start/end dates: 7/1/2019/ 2/1/2020

### Task 4. Develop LCP Language
Projected start/end dates: 1/1/2020/ 12/31/2020

#### 4.1 Preparation of LCP Annotated Outline
Projected start/end dates: 1/1/2020/ 3/1/2020

#### 4.2 Draft LCP Land Use Plan
Projected start/end dates: 3/1/2020/ 12/31/2020

#### 4.3 Draft LCP Implementation Plan
Projected start/end dates: 3/1/2020/ 12/31/2020

**Task 4 Outcome/Deliverables:**
- Annotated LCP Land Use Plan Outline, Draft LCP amendment to CCC for review; Draft updated LCP Land Use Plan; Draft LCP Implementation Plan
Projected start/end dates: 1/1/2020/ 12/31/2020

### Task 5. Public Process & Outreach
Projected start/end dates: 1/1/2019/ 12/31/2020

#### 5.1 Public Review
Projected start/end dates: 1/1/2019/ 12/31/2020

#### 5.2 Planning Commission
Projected start/end dates: 9/1/2020/ 12/31/2020

#### 5.3 Manhattan Beach City Council & CCC
Projected start/end dates: 11/1/2020/ 12/31/2020

**Task 5 Outcome/Deliverables:**
- Virtual Reality Applications; Updated draft Manhattan Beach SLR Adaptation Plan; Updated draft LCP amendment; Obtain recommendation from Manhattan Beach Planning Commission; City Council approved LCP Update.
Projected start/end dates: 7/1/2020/ 12/31/2020

### Task 6. Agency, Regional, & Stakeholder Coordination
Projected start/end dates: 1/1/2019/ 12/31/2020

#### 6.1 Coordination with CCC Staff
Projected start/end dates: 1/1/2019/ 12/31/2020

#### 6.2 Regional and LCP Grant Coordination
Projected start/end dates: 1/1/2019/ 12/31/2020

**Task 6 Outcome/Deliverables:**
- Updated Draft Documents; Notes from Meetings
Projected start/end dates: 1/1/2019/ 12/31/2020

Please list (1) all significant and pertinent project benchmarks related to the project for which funds are being requested, (2) expected dates for reaching or completing those steps. These dates will be used in monitoring grant progress and in grant reporting under approved grant agreements.
### Benchmark Schedule

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<td>Consultants hired</td>
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<td>Draft LCP Implementation Plan</td>
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<td>Complete Public Review</td>
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<td>Planning Commission Approval</td>
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<tr>
<td>City Council Approval and Submittal to CCC</td>
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3. **Budget.** Please include a task-by-task budget for both County/City staff labor and for potential consultants. Budget detail on sub-tasks is not necessary. Note that consultant costs must be listed by task and must include all costs relating to consultant labor, travel, supplies, overhead, etc. If consultants will be hired at a later date, please include a budget estimate per task that can be updated after hiring the consultants.

### Application Budget Information

**Funding Request:** $300,000.  
**Total Project Cost:** $1,065,918.

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<tr>
<th>CCC Grant Total</th>
<th>Match/Other Funds (In-kind City)</th>
<th>Match/Other Funds (City Funding)</th>
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**Task 1 – Project Initiation**

City Staff: Environmental Manager, Planning Manager, Community Development Director  
City Staff: Environmental Manager, Planning Manager, Community Development Director

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**Task 2 – Sea Level Rise Vulnerability & Risk Assessment**

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City Staff: Environmental

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² Amount requested should include total for salary and benefits.
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<th>Description</th>
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<tr>
<td>Task 3 – Sea Level Rise Adaptation Plan</td>
<td>City Staff: Environmental Manager, Planning Manager, Community Development Director, Associate Planner, GIS Analyst; Utilities Manager</td>
<td>Partners: USGS</td>
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<td>Task 4 – Develop LCP Language</td>
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<td>CCC Grant Total</td>
<td>Match/Other Funds (In-kind City)</td>
<td>Match/Other Funds (City Funding)</td>
<td>Match/Other Funds (In-Kind Partners)</td>
<td>Total (LCP Grant Funds + Match/Other Funds)</td>
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<td>Development Director, Associate Planner</td>
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<td><strong>Task 6 – Agency, Regional, &amp; Stakeholder Coordination</strong></td>
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<td>$47,351.</td>
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<td>City Staff: Environmental Manager, Planning Manager, Community Development Director, Associate Planner,</td>
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<td>County/City Staff Project Supplies</td>
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<td>B, etc.</td>
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<td>County/City Staff Travel In State</td>
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<td>Mileage</td>
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<td>Hotel, etc.</td>
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<td><strong>Task 2 – Sea Level Rise Vulnerability &amp; Risk Assessment</strong></td>
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<td>$25,000</td>
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</tbody>
</table>

3 Travel reimbursement rates are the same as similarly situated state employees.
4 All consultants must be selected pursuant to a bidding and procurement process that complies with all applicable laws.
<table>
<thead>
<tr>
<th>Task</th>
<th>Description</th>
<th>CCC Grant Total</th>
<th>Match/Other Funds (In-kind City)</th>
<th>Match/Other Funds (City Funding)</th>
<th>Match/Other Funds (In-Kind Partners)</th>
<th>Total (LCP Grant Funds + Match/Other Funds)</th>
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<tbody>
<tr>
<td>Task 3 – Sea Level Rise Adaptation Plan</td>
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<td>$50,000</td>
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<td>Task 5 – Public Process &amp; Outreach</td>
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<td>$10,000</td>
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<td>Task 6 – Agency, Regional, &amp; Stakeholder Coordination</td>
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<td>$10,000</td>
<td>$20,000</td>
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<td><strong>Total</strong></td>
<td></td>
<td><strong>$300,000</strong></td>
<td><strong>$150,000</strong></td>
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<tr>
<td><strong>Total Direct Costs</strong></td>
<td></td>
<td><strong>$300,000</strong></td>
<td><strong>$585,918</strong></td>
<td><strong>$150,000</strong></td>
<td><strong>$30,000</strong></td>
<td><strong>$1,065,918.</strong></td>
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</tbody>
</table>

| Total County/City Staff Overhead/Indirect Costs |  |  |  |  |  |  |
| **TOTAL PROJECT COST** |  |  |  |  |  | **$1,065,918.** |

City of Manhattan Beach LCP Update and Sea Level Rise Planning Project

In-Kind City Staff Labor 2019-2020

*Calculations based on FY18/19 Billing Rates

<table>
<thead>
<tr>
<th>Task</th>
<th>Description</th>
<th>Hourly Rate</th>
<th>Hours</th>
<th>Total In-Kind</th>
<th>Total In-Kind Task</th>
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<tbody>
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<td>Task 1 – Project Initiation</td>
<td>Environmental Manager</td>
<td>$128.07</td>
<td>120</td>
<td>$15,368.40</td>
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<td>Community Development Director</td>
<td>$180.09</td>
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<td>$7,203.60</td>
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<td></td>
<td>Planning Manager</td>
<td>$171.45</td>
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<td>$8,572.50</td>
<td><strong>$31,144.50</strong></td>
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<td>Task 2 – Sea Level Rise Vulnerability &amp; Risk Assessment</td>
<td>Environmental Manager</td>
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<td>500</td>
<td>$64,035.00</td>
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<td>Community Development Director</td>
<td>$180.09</td>
<td>100</td>
<td>$18,009.00</td>
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<td></td>
<td>Planning Manager</td>
<td>$171.45</td>
<td>200</td>
<td>$34,290.00</td>
<td><strong>$152,298.00</strong></td>
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</tbody>
</table>

Indirect costs include, for example, a pro rata share of rent, utilities, and salaries for certain positions indirectly supporting the proposed project but not directly staffing it. Amount requested for indirect costs should be capped at 10% of amount requested for “Total Labor.”
Associate Planner  | $140.95 | 100 | $14,095.00  
Utilities Manager | $148.73 | 100 | $14,873.00  
GIS Analyst       | $116.60 | 60  | $6,996.00   

**Task 3 – Sea Level Rise Adaptation Plan**

Environmental Manager | $128.07 | 400 | $51,228.00  
Community Development Director | $180.09 | 100 | $18,009.00  
Planning Manager       | $171.45 | 200 | $34,290.00  
Associate Planner      | $140.95 | 100 | $14,095.00  
Utilities Manager      | $148.73 | 100 | $14,873.00  
GIS Analyst            | $116.60 | 40  | $4,664.00   

**Task 4 – Develop LCP Language**

Environmental Manager | $128.07 | 300 | $38,421.00  
Community Development Director | $180.09 | 100 | $18,009.00  
Planning Manager       | $171.45 | 200 | $34,290.00  
Associate Planner      | $140.95 | 150 | $21,142.50  

**Task 5 – Public Process & Outreach**

Environmental Manager | $128.07 | 200 | $25,614.00  
Community Development Director | $180.09 | 100 | $18,009.00  
Planning Manager       | $171.45 | 200 | $34,290.00  
Associate Planner      | $140.95 | 200 | $28,190.00  

**Task 6 – Agency, Regional, & Stakeholder Coordination**

Environmental Manager | $128.07 | 100 | $12,807.00  
Community Development Director | $180.09 | 100 | $18,009.00  
Planning Manager       | $171.45 | 80  | $13,716.00  
Associate Planner      | $140.95 | 20  | $2,819.00   

TOTAL IN-KIND CITY LABOR | $585,918.00

4. **A RESOLUTION FROM THE APPLICANT’S GOVERNING BODY.**

Please see attachments, and note that the Manhattan Beach City Council will be adopting an amendment to the Resolution on 10/2/2018 to correct the amount of funding the City is seeking from CCC.