

EXHIBIT A**SCOPE OF WORK**

1. Grantee agrees to expend grant funds provided by the Commission only for and in accordance with project activities as described under the Scope of Work attached hereto as EXHIBIT A.
2. The Project representatives during the term of this agreement, and the person authorized to sign grant amendments and RFFs on behalf of the grantee, will be:

State Agency: California Coastal Commission	Grantee: City of Santa Barbara
Name: Kelsey Ducklow ("Grant Manager")	Name: Brian D'Amour, Acting Airport Director
Address: 455 Market St. Suite 300 San Francisco, CA 94105	Address: 601 Norman Firestone Road Santa Barbara, CA 93117
Phone: (415) 904-2335	Phone: (805) 692-6001
Fax: (415) 904-5400	Fax:
Email: kelsey.ducklow@coastal.ca.gov	Email: BDamour@SantaBarbaraCA.gov

3. Primary project contact:

State Agency: California Coastal Commission	Grantee: City of Santa Barbara
Section/Unit: Statewide Planning Unit	Section/Unit: Airport
Name: Karen Vu (Grant Coordinator)	Name: Sara Iza, Airport Development Manager
Address: 455 Market St. Suite 300 San Francisco, CA 94105	Address: 601 Norman Firestone Road Santa Barbara, CA 93117
Phone: (415) 904-5268	Phone: 805-692-6023
Fax: (415) 904-5400	Fax:
Email: karen.vu@coastal.ca.gov	Email: SIza@SantaBarbaraCA.gov

EXHIBIT A

SCOPE OF WORK

City of Santa Barbara

Airport and Goleta Slough Climate Adaptation Plan

Federal Tax ID#: 95-6000-787

Budget Summary:

CCC funding:	\$245,000
<u>Other funding:</u>	<u>\$263,500</u>
Total project cost:	\$508,500

Term of Project: June 15, 2022 (or grant agreement execution date)-June 2025

A. PROJECT DESCRIPTION

This project includes an infrastructure vulnerability assessment, sea-level rise adaptation plan, and Local Coastal Program (LCP) update for the Airport Segment of the City of Santa Barbara's Coastal Zone. The Airport LCP was last updated and certified by the California Coastal Commission in 2003. The project builds upon two major planning efforts that the City has already completed utilizing grant funding from the Federal Aviation Administration, the US Fish and Wildlife Service, Coastal Conservancy, UC Santa Barbara Associated Students, County of Santa Barbara Coastal Resource Enhancement Fund, Goleta West Sanitary District, and the Goleta Valley Land Trust: The 2015 [Goleta Slough Area Sea Level Rise and Management Plan](#) (Management Plan) and the 2017 Santa Barbara Airport Master Plan (Master Plan).

Santa Barbara Airport is one of the most vulnerable aviation facilities in the State of California and is regularly exposed to flooding, with flooding severe enough to close the airfield occurring in 1995, 1998, and 2018. Conveyance of floodwater is challenging because the airfield is a several hundred acre and nearly flat facility at the bottom of the watershed, and also dominated by impervious surfaces. The Santa Barbara Airport is entirely publicly owned and includes important transportation, utility, and coastal resource assets that are already at risk during major storm events, and which will experience increasing frequency and severity of flooding and erosion with sea-level rise.

B. TASKS

Task 1: Sea-Level Rise Vulnerability Assessment and Risk Evaluation

This task will update the hazard analysis that was conducted for the Management Plan and Master Plan utilizing up to date sea-level rise projections from the State of California and

EXHIBIT A

new coastal hazard modelling information to analyze near-, mid-, and long-term conditions (2030, 2060, 2100) under both low and medium-high risk scenarios. The report should include information that there are other potential sea-level rise scenarios, such as the extreme (H++) scenario, and that as we move closer to 2100 the likelihood of some of these more extreme scenarios could change, which may necessitate additional or different adaptation strategies. This, along with rising groundwater level data produced by USGS, will be used to assess vulnerabilities to the Airport's various area assets.

Following completion of an assessment of the resources at risk from sea level rise impacts, the project will consider the risk exposure to both the Airport and Goleta Slough on two dimensions: 1) uncertainty, which will be analyzed and assessed using a range of sea-level rise projections as described above; and 2) impacts or consequences which will require a combination of quantitative assessments by the consultant and qualitative assessments by the community. Risks associated with the Airport's critical infrastructure will include potential damage as well as service disruption and cost. Economic costs of service disruption and repairing or replacing airfield infrastructure will be quantitatively characterized, while impacts to the Goleta Slough Ecological Reserve will be qualitatively characterized.

This task involves funds for a consultant to prepare the analysis and report and City staff to manage the project. The draft report will be reviewed by the Sustainability Council Committee, Airport Commission, and CCC staff.

Subtasks:

- 1.1** Contracting, project kickoff, and data request
- 1.2** Development of Administrative Draft Sea-Level Rise Vulnerability Assessment and Risk Evaluation and 4-week CCC staff review
- 1.3** Public website release; review of Public Draft Sea-Level Rise Vulnerability Assessment and Risk Evaluation by CCC staff, Sustainability Council Committee, and Airport Commission
- 1.4** Revisions and issuance of Final Sea-Level Rise Vulnerability Assessment and Risk Evaluation

Deliverables: Administrative Draft, Public Review Draft, and Final Santa Barbara Airport Sea-Level Rise Vulnerability Assessment and Risk Evaluation

Task 2: Sea-Level Rise Adaptation Plan

This task will be a comprehensive study of adaptation options for threatened portions of the Airport, including relocation and redesign of underground utilities and adaptation options for the built environment including the airfield. The adaptation options will include

EXHIBIT A

a range of nature-based, hybrid, and other options. The analysis will study the feasibility and alternatives for relocating and flood proofing existing infrastructure such as water mains, sewer, and natural gas pipelines. A detailed evaluation of alternatives, feasibility, and order of magnitude cost estimates for all options to address transportation infrastructure in the Airport Segment will be provided. Additionally, the report will consider triggers for decision making on future adaptation options for the systems. This task will develop an Adaptation Plan that will strive to continue aviation transportation and coastal resource protection in this area, while preparing the Airport for increased hazards and planning for the relocation of critical infrastructure out of hazard prone areas to the extent feasible. Specifically, the Adaptation Plan will:

- Analyze adaptation options for the near-, mid-, and long-term with an emphasis on what should be prioritized in the near-term;
- Establish what amount of sea-level rise should be designed for at the Santa Barbara Airport for an approximate 30-year planning horizon;
- Assess the feasibility and cost and benefits of options to raise or modify the existing airfield or consider construction of defensive structures such as levees to retain a safe and functional airfield;
- Assess options for utilizing flood control dredged sediment for accretion in the Goleta Slough;
- Incorporate adaptation options for the major utilities located along the margin of the Goleta Slough developed through the Vulnerability Assessment under Task 1; and
- Establish specific triggers or thresholds for additional mid- and long-term adaptation actions and planning.

This task involves funds for a consultant to prepare the analysis and Adaptation Plan and to support City staff as they conduct public outreach and the public comment period. Public outreach will include at least one public workshop, as well as review of the plan at public meetings of the Sustainability Council Committee and Airport Commission. CCC staff will review the draft plan for comments. Outreach efforts will utilize the Airport's website, involve materials in both Spanish and English, and specifically target outreach to vulnerable communities.

Subtasks:

- 2.1** Feasibility analysis of options to modify the airfield and existing buildings and preparation of conceptual plan
- 2.2** Development of Administrative Draft Sea-Level Rise Adaptation Plan and 4-week review by CCC staff

EXHIBIT A

2.3 Revisions and issuance of Public Draft Sea-Level Rise Adaptation Plan; Public website release of Public Draft Plan; public workshop; review by Airport Commission and Sustainability Council Committee

2.4 Revisions and issuance of Final Sea-Level Rise Adaptation Plan

2.5 City Council review of Final Sea-Level Rise Adaptation Plan

Deliverables: Administrative Draft, Public Review Draft, and Final Santa Barbara Airport Sea-Level Rise Adaptation Plan.

Task 3: Local Coastal Program Amendment

This task includes preparation of a draft Airport and Goleta Slough LCP Amendment to incorporate the Airport and Goleta Slough Sea-Level Rise Adaptation Plan and associated studies into the 2003 Airport and Goleta Slough Coastal Plan, which is part of the City's fully certified LCP. CCC staff will be consulted prior to and following release of the draft LCP Amendment.

Subtasks:

3.1 Development of Draft LCP Amendment with CCC consultation and 4-week CCC staff review

3.2 Public release of Draft LCP Amendment and public review process

3.3 Revisions and release of Final LCP Amendment

3.4 City Council review of Final LCP Amendment

3.5 Submittal of LCP Amendment to CCC for review

Deliverables: Draft and Final Airport and Goleta Slough Local Coastal Program Amendment

Task 4: Project Management

Management of the project, grant, and contract will be conducted by Santa Barbara Airport staff with funds identified in the Airport Operating Fund.

Deliverables: Executed consultant contracts, invoice packages, and quarterly progress reports.

EXHIBIT A

C. SCHEDULE

Project start/end dates: June 15, 2022 (or grant agreement execution date) – June 2025

Task 1. Sea-Level Rise Vulnerability Assessment and Risk Evaluation	6/1/22 – 2/1/24
1.1 Contracting, project kickoff, and data request	6/1/22 – 11/1/22
1.2 Development of Administrative Draft Vulnerability Assessment and Risk Evaluation and 4-week CCC staff review	11/1/22 – 10/1/23
1.3 Public website release; review of Public Draft Report by Sustainability Council Committee and Airport Commission	11/1/23 – 1/1/24
1.4 Revisions and issuance of Final Sea-Level Rise Vulnerability Assessment and Risk Evaluation	1/1/24 – 2/1/24
Deliverables: a. Administrative Draft Santa Barbara Airport Sea-Level Rise Vulnerability Assessment and Risk Evaluation b. Public Review Draft Santa Barbara Airport Sea-Level Rise Vulnerability Assessment and Risk Evaluation c. Final Santa Barbara Airport Sea-Level Rise Vulnerability Assessment and Risk Evaluation	9/1/23 11/1/23 2/1/24
Task 2. Sea-Level Rise Adaptation Plan	11/1/22 – 5/1/25
2.1 Feasibility analysis of options to modify the airfield and existing buildings and preparation of conceptual plan	11/1/22 – 11/1/23
2.2 Development of Administrative Draft Sea-Level Rise Adaptation Plan and 4-week CCC staff review	11/1/22 – 8/1/24
2.3 Revisions and issuance of Public Draft Sea-Level Rise Adaptation Plan; public website release of Public Draft Plan; public workshop; Sustainability Council Committee and Airport Commission review	9/1/24 – 12/1/24
2.4 Revisions and issuance of Final Sea-Level Rise Adaptation Plan	12/1/24 – 3/1/25
2.5 City Council review of Final Sea-Level Rise Adaptation Plan	3/1/25 – 5/1/25
Deliverables: a. Administrative Draft Sea-Level Rise Adaptation Plan b. Public Review Draft Sea-Level Rise Adaptation Plan c. Final Sea-Level Rise Adaptation Plan	7/1/24 9/1/24 5/1/25
Task 3. Local Coastal Program Amendment	2/1/24 – 6/1/25
3.1 Development of Draft LCP Amendment with CCC consultation and 4-week CCC staff review	2/1/24 – 8/1/24
3.2 Public release of Draft LCP Amendment and public review process	9/1/24 – 12/1/24
3.3 Revisions and release of Final LCP Amendment	12/1/24 – 3/1/25
3.4 City Council review of Final LCP Amendment	3/1/25 – 5/1/25
3.5 Submittal of LCP Amendment to CCC for review	5/1/25 – 6/1/25

EXHIBIT A

Deliverables: a. Draft LCP Amendment b. Final LCP Amendment	9/1/24 6/1/25
Task 4. Project Management	6/1/22-6/1/25
Deliverables: Executed consultant contracts, invoice packages, and quarterly progress reports	Ongoing

D. BENCHMARK SCHEDULE

ACTIVITY	COMPLETION DATE
Final Santa Barbara Airport Sea-Level Rise Vulnerability Assessment and Risk Evaluation	2/1/24
Final Sea-Level Rise Adaptation Plan	5/1/25
Final LCP Amendment	6/1/25

EXHIBIT A1

DEFINITIONS

1. The term “Agreement”; this Grant Agreement.
2. The term “Budget Act”; the annual enacted version of the Budget Bill which makes appropriations for the support of the government of the State of California.
3. The term “Chief Deputy Director”; the Chief Deputy Director of the Commission.
4. The terms “Commission” or “Coastal Commission” and the acronym “CCC” all refer to the California Coastal Commission.
5. The term “Executive Director”; the Executive Director of the Commission.
6. The term “Grant” or “Grant Funds”; in the case of LCP grants, the money provided by the California Climate Investments program or, in the case of Public Education grants, sales and renewals of the WHALE TAIL[®] Specialty License Plate, or California’s Voluntary Tax Check-Off Program, and administered by the Coastal Commission to the Grantee pursuant to this Agreement.
7. The term “Grant Manager”; the representative of the Commission with authorization per the Executive Director to administer and provide oversight of the Grant.
8. The term "Grantee"; an applicant who has a signed agreement for Grant Funds.
9. The term "Project"; the activity described under the Scope of Work, attached as EXHIBIT A, to be accomplished with Grant Funds.
10. The term “Project Budget”; the Commission approved cost estimate submitted to the Commission’s Grant Manager for the Project. The Project Budget shall describe all labor and material costs of completing each component of the Project. The Project Budget shall contain itemized amounts permissible for each item or task described in the Scope of Work. The Project Budget must include the set administrative and indirect costs agreed upon by the Parties if applicable.
11. The term “Public Agency”; any State of California department or agency, a county, city, public district or public agency formed under California law.
12. The term “Scope of Work” refers to EXHIBIT A, including the approved Project Description, Tasks, and Schedules.
13. The term “Termination Date”; the date by which all activity for the project must be concluded, as specified in the signature page of this Agreement. Work performed after this date cannot be reimbursed.

EXHIBIT B

BUDGET

<i>City of Santa Barbara</i>	<i>CCC Grant Total</i>	<i>Match/Other Funds</i>	<i>Total (LCP Grant Funds + Match/Other Funds)</i>
LABOR COSTS¹			
County/City Staff Labor			
Task 1 – <i>Sea-Level Rise Vulnerability Assessment and Risk Evaluation</i>	\$0	\$70,000	\$70,000
Task 2 – <i>Sea-Level Rise Adaptation Plan</i>	\$0	\$50,000	\$50,000
Task 3 – <i>Local Coastal Program Amendment</i>	\$0	\$50,000	\$50,000
Task 4 – <i>Project Management</i>	\$0	\$30,000	\$30,000
Total Labor Costs	\$0	\$200,000	\$200,000
DIRECT COSTS			
County/City Staff Project Supplies			
Printing and Noticing	\$0	\$5,000	\$5,000
Total	\$0	\$5,000	\$5,000
Consultants²/Partners			
Task 1 – <i>Sea-Level Rise Vulnerability Assessment and Risk Evaluation</i>	\$125,000	\$0	\$125,000
Task 2 – <i>Sea-Level Rise Adaptation Plan</i>	\$70,000	\$0	\$70,000
Task 3 – <i>Local Coastal Program Amendment</i>	\$50,000	\$0	\$50,000
Task 4 – <i>Project Management</i>	\$0	\$0	\$0
Consultants Total	\$245,000	\$0	\$245,000
Total Direct Costs	\$245,000	\$5,000	\$245,000
OVERHEAD/INDIRECT COSTS³			
Total County/City Staff Overhead/Indirect Costs	\$0	\$58,500	\$58,500

¹ Amount requested should include total for salary and benefits.

² All consultants must be selected pursuant to a bidding and procurement process that complies with all applicable laws.

³ 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.”

EXHIBIT B

<i>City of Santa Barbara</i>	<i>CCC Grant Total</i>	<i>Match/Other Funds</i>	<i>Total (LCP Grant Funds + Match/Other Funds)</i>
TOTAL PROJECT COST	\$245,000	\$263,500	\$508,500