

EXHIBIT A
SCOPE OF WORK

Name of Local Government: County of Humboldt

Name of Project: Humboldt Bay Sea Level Rise Regional Planning Feasibility Study

Funding Source: Greenhouse Gas Reduction Fund

Specific Program: Local Coastal Program Local Assistance Grant Program

Federal Tax ID#: 94-6000513

Budget Summary:

CCC funding: \$100,000

Other funding: \$ 0

Total project cost: \$100,000

Term of Project: February 15, 2020 or grant agreement execution date – March 31, 2022

A. PROJECT DESCRIPTION

Humboldt County will conduct a feasibility study to develop options for implementing a Humboldt Bay regional sea level rise adaptation planning effort to facilitate regional coordination and cooperation in developing and implementing sea level rise adaptation strategies in the Humboldt Bay area. Not only will this effort be important to advance local adaptation efforts, but the effort may also serve as a model that can be transferred to other communities along the coast struggling to adapt to sea level rise.

The focus of this regional planning effort will be the lands surrounding Humboldt Bay within the City of Eureka's and City of Arcata's local coastal programs (LCPs), and the County's Humboldt Bay Area Plan (HBAP), one of six coastal land use plans in the County's LCP, hereafter referenced as the Humboldt Bay region or project area. Lands in the project area that could be impacted by one meter or more of sea level rise contain many critical assets owned and operated by various entities, located in multiple hydrologic units and in multiple federal, state and local governmental jurisdictions with regulatory authority over development or public trust responsibilities for natural resources. A regional sea level rise regulatory framework, and ultimately a regional sea level rise adaptation plan, would be the best approach to addressing sea level rise in the Humboldt Bay region given these circumstances. A sea level rise regional planning feasibility study is the first step toward creating such a framework and plan.

The goal of this project is to develop options for sea level rise adaptation planning in the Humboldt Bay region that will foster a cooperative and coordinated regional approach to the identification, funding, and implementation of various sea level rise adaptation

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(protection, accommodation, and retreat) policies, strategies, and measures , with resulting regulatory and financial benefits. This goal will be achieved by preparing a feasibility study considering the following project objectives:

- Outreach
 - Local LCP agencies
 - Permitting and public agencies
 - Asset owners
 - Community
- Research
 - Types of regulatory frameworks for a regional planning effort
 - Opportunities for cross-jurisdictional coordination
 - Opportunities for funding
 - Regulatory pathways and barriers
- Report
 - Regional planning framework options
 - Summary of outreach and research
 - Meeting notes
 - Recommendations for next steps

B. TASKS

Task 1. Outreach

Identify asset owners and managers that will be implicated in sea level rise planning efforts for Humboldt Bay. Conduct meetings with the various parties listed below to discuss and understand their role, responsibilities, needs, concerns, and eventually project outcomes related to a Humboldt Bay regional sea level rise planning effort. Information gained from meetings will be incorporated into the feasibility study. Humboldt County intends to continue coordination with relevant stakeholders and Coastal Commission staff throughout the grant project, both to inform the research and to keep relevant stakeholders apprised of progress on this work effort.

- 1.1. Local LCP agencies – Eureka and Arcata
- 1.2. Permitting and public trust agencies – Federal, state, and local agencies with permitting authority for sea level rise adaptation projects or public trust responsibilities in impacted areas within the Humboldt Bay region
- 1.3. Asset owners – Public and private owners, operators, or other parties with specific interest in transportation, utilities, shoreline protection, recreational, cultural, marine, and environmental assets

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- 1.4. Community – At least one public meeting to gather community input during the initial outreach process, and at least one public meeting to gather community input on regional framework options

Outcome/Deliverables:

- Inventory of relevant asset owners/managers
- Meeting agendas, presentation materials, and notes as may be applicable

Task 2. Research:

Conduct and document research in the various areas listed below to inform the feasibility study in alignment with project goals and objectives, including evaluating the below areas with respect to how various approaches/frameworks would be able to support the broad categories of sea level rise protection, accommodation, and retreat strategies.

- 2.1. Potential regulatory frameworks – identify various types of regulatory frameworks (e.g., a collaborative formed by a non-binding agreement with no authority, a joint powers authority with varying degrees of authority, etc.) that could be potentially suitable for a Humboldt Bay regional planning effort, including the pros and cons of each
- 2.2. Cross-jurisdictional coordination – identify assets and locations that present a need or opportunity for cross-jurisdictional coordination in consideration of hydrologic unit/subunit and jurisdictional boundaries; other geographic features, asset importance or priority, etc.; and how LCP authorities and the Coastal Commission could implement the Coastal Act and their respective LCPs to facilitate cross-jurisdictional coordination
- 2.3. Funding frameworks and opportunities – identify ways in which sea level rise adaptation strategies and measures could be funded, including but not limited to identification of how funding could be received (i.e. what entity could apply for and receive funding), funding avenues or sources, and the pros and cons of various approaches
- 2.4. Regulatory and feasibility pathways and barriers – identify regulatory and feasibility pathways and barriers to forming and implementing a regional sea level rise planning framework, and ultimately to adopting and implementing a Humboldt Bay regional sea level rise adaptation plan

Outcome/Deliverables:

- Report summarizing the research that was conducted, which will eventually become sections of the feasibility study

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Task 3. Feasibility Study:

Utilizing information gathered from work completed for Tasks 1 and 2, prepare a Humboldt Bay Sea Level Rise Regional Planning Feasibility Study that contains the below sections/discussion. Additionally, the County will hold at least one meeting of the relevant agencies/asset owners (e.g., those stakeholders that may be part of the preferred framework(s) identified in the Feasibility Study) after the release of the draft Study to ensure that the research and feasibility analysis is reviewed, commented on, and discussed by those who may use it in the future.

- 3.1. Outreach – describe the Task 1 outreach process and provide the outreach results regarding the role, responsibilities, needs, and concerns for the various entities
- 3.2. Research – describe the Task 2 research scope and methods and provide the research results
- 3.3. Planning framework – drawing from the outreach and research in Tasks 1 and 2, describe and recommend one or more potentially appropriate approaches for a managing sea level rise in the Humboldt Bay area, including at a minimum the type of regulatory framework; how cross-jurisdictional coordination will be facilitated; the funding framework and funding opportunities; the role and responsibilities of asset owners/managers, regulatory and trustee agencies, and private landowners; and the regulatory and feasibility pathways and barriers for each option
- 3.4. Recommendations for next steps – Recommendations regarding how to move forward with implementing a Humboldt Bay Sea Level Rise Regional Planning effort

Outcome/Deliverables:

- Draft Humboldt Bay Sea Level Rise Regional Planning Feasibility Study
- Stakeholder meeting and review
- Final Humboldt Bay Sea Level Rise Regional Planning Feasibility Study

C. SCHEDULE

Project Start/End Dates: Date of grant agreement execution – March 31, 2022

Task 1 – Outreach	Date of grant agreement execution – 3/31/2022
1.1. Local LCP agencies	Date of grant agreement execution – 3/31/2022
1.2. Permitting and Public Trust Agencies	Date of grant agreement execution – 3/31/2022
1.3. Asset Owners	Date of grant agreement execution – 3/31/2022
1.4. Community	Date of grant agreement execution – 3/31/2022

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Outcomes/Deliverables:	
a. Inventory of relevant asset owners/managers	a. 12/31/2020
b. Meeting agendas, presentation materials, and notes as may be applicable	b. 3/31/2022
Task 2 – Research	Date of grant agreement execution – 7/1/2021
2.1. Potential regulatory framework	Date of grant agreement execution – 7/1/2021
2.2. Cross-jurisdictional coordination	Date of grant agreement execution – 7/1/2021
2.3. Funding frameworks and opportunities	Date of grant agreement execution – 7/1/2021
2.4. Regulatory and feasibility pathways and barriers	Date of grant agreement execution – 7/1/2021
Outcomes/Deliverables: Report summarizing the research that was conducted	7/1/2021
Task 3 – Feasibility Study	7/1/2021 – 3/31/2022
3.1. Outreach	7/1/2021 – 3/31/2022
3.2. Research	7/1/2021 – 3/31/2022
3.3. Planning framework	7/1/2021 – 3/31/2022
3.4. Recommendations for next steps	7/1/2021 – 3/31/2022
Outcomes/Deliverables:	
a. Draft Humboldt Bay Sea Level Rise Regional Planning Feasibility Study	a. 12/31/2021
b. Stakeholder Meeting/review	b. 1/31/2022
c. Final Humboldt Bay SLR Regional Planning Feasibility Study	c. 3/31/2022

D. BENCHMARK SCHEDULE

ACTIVITY	COMPLETION DATE
Inventory of asset managers/owners	12/31/2020
Report summarizing research (Task 2)	7/1/2021
Draft Feasibility Study	12/31/2021
Final Feasibility Study	3/31/22

EXHIBIT B

BUDGET

<i>Humboldt County</i>	<i>CCC Grant Total</i>	<i>Match/Other Funds (Source #1)</i>	<i>Total (LCP Grant Funds + Match/ Other Funds)</i>
LABOR COSTS¹			
County/City Staff Labor			
Task 1 – Outreach	\$40,000	--	\$40,000
Task 2 – Research	\$20,000	--	\$20,000
Task 3 – Feasibility Study	\$30,000	--	\$30,000
Total Labor Costs	\$90,000	\$0	\$90,000
DIRECT COSTS			
City Staff Project Supplies			
A	--	--	--
B, etc.	--	--	--
Total	--	--	--
City Staff Travel In State²			
Mileage	--	--	--
Hotel, etc.	--	--	--
Total	--	--	--
Consultants³			
Task 2 – Research	\$10,000	--	\$10,000
Total Consultants	\$10,000	--	\$10,000
Total Direct Costs	\$10,000		\$10,000
OVERHEAD/INDIRECT COSTS⁴			
Total County/City Staff Overhead/Indirect Costs			
TOTAL PROJECT COST	\$100,000	\$0	\$100,000

¹ Amount requested should include total for salary and benefits.

² Travel reimbursement rates are the same as similarly situated state employees.

³ All consultants must be selected pursuant to a bidding and procurement process that complies with all applicable laws.

⁴ 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."