



A California Joint Powers Agency

Julia Mayer
City of Carpinteria

James Kyriaco
City of Goleta

Gabe Teran
City of Oxnard

Steven Gama, Vice-Chair
City of Port Hueneme

Doug Halter
City of San Buenaventura

Eric Friedman, Chair
City of Santa Barbara

Laura Capps
Roy Lee
County of Santa Barbara

Vianey Lopez
Matt LaVere
County of Ventura

Executive Director
Marc Beyeler

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<http://www.beacon.ca.gov>

MEETING NOTICE

BEACH EROSION AUTHORITY FOR CLEAN OCEANS AND NOURISHMENT (BEACON) September 19, 2025

NOTICE IS HEREBY GIVEN of a **MEETING** of the Beach Erosion Authority for Clean Oceans and Nourishment (BEACON). The date, time, and place of the meeting shall be as follows:

DATE: Friday, September 19, 2025

TIME: 9:00 AM

PLACE: IN-PERSON AND TELECONFERENCE (see details below)

The agenda of business to be conducted is below.

Eric Friedman, Chairperson

Members of the public may participate in-person for this meeting at the following locations:

City of Carpinteria
Carpinteria City Hall
City Council Chambers
5775 Carpinteria Ave
Carpinteria, CA 93013

County of Ventura Hall of
Administration, 4th Floor,
District 1 Office, Supervisor
Matt LaVere
800 S. Victoria Ave
Ventura, Ca 93009

Members of the public may also participate via teleconference for this meeting by:

1. You may observe the live meeting of the Board of Directors via Zoom Meeting:
<https://us02web.zoom.us/j/86477075113?pwd=0d34YrUbbjeUZgGXNK3Mlorr6nki2B.1>
Meeting ID: 864 7707 5113
Passcode: 395657

2. You may call in to listen live to the Board of Directors meeting by dialing [1669 444 9171](tel:16694449171) and then entering the following when prompted:
Meeting ID: [864 7707 5113](tel:86477075113) and Passcode: [395657](tel:395657).
3. If you wish to make a general public comment or to comment on a specific agenda, the following methods are available:
 - a. Distribution to the Board. Submit comments via email to Staff@Beacon.ca.gov prior to 5:00 p.m. on Wednesday, September 17, 2025, or through mail to BEACON at 501 Poli Street, Ventura, CA 93001 to be received no later than 5:00 p.m. on Wednesday, September 17, 2025. Your comment will be placed into the record and distributed appropriately.
 - b. Read into the record at the meeting. Submit comments of 250 words, or less, via email to Staff@BEACON.ca.gov prior to 5:00 p.m. on Wednesday, September 17, 2025 prior to the Board meeting. Please indicate if you would like to make a general public comment, a comment on a specific agenda item, or both. Please state in your email, or mail, if you would like the comment "read into the record." Every effort will be made to read your comment into the record, but some comments may not be read due to time limitations. Comments timely received on an agenda item will be placed into the record and distributed accordingly.
 - c. By Zoom. Log onto Zoom as described above. The meeting will be controlled by the BEACON Chair. If you wish to make a comment during the meeting, please raise your hand using the Zoom instructions on your computer. By using the typed messaging capability of Zoom you should also indicate to the Chair which Agenda Item you wish to speak on or if you wish to make a general comment that is not specific to an Agenda Item. BEACON Staff will make every effort to call you during the indicated item so that you may comment.

In compliance with the Americans with Disabilities Act, individuals needing special accommodations to participate in the meeting should contact BEACON at least three workingdays prior to the meeting.

MEETING AGENDA

1. Administrative Items

A. Call to Order, Roll Call and Introductions—Chair

Items 1B and 1C listed under Administrative Items constitute a consent agenda and will be acted upon by a single roll call vote of the Board. Matters listed as an Administrative Item will be read only on the request of a member of the Board or the public, in which event the matter shall be removed from the Administrative Agenda and considered as a separate item.

B. Approval of Agenda and Filing of Certificate of Agenda Posting.

C. Consideration and Approval of Minutes of the BEACON Meeting held on July 18, 2025. (Exhibit 1).

2. Public Comment and Other Matters not on the Agenda

3. Presentation

Receive a presentation on the Regional Coastal Adaptation Monitoring Program (RCAMP) from Beacon staff and from a representative with Environmental Science Associates (ESA).

4. Projects-No Items

5. BEACON Organization and Program

A. Board Member Reports

Directors are invited to provide reports and updates on items of interest in their County or City.

B. BEACON Contracts and Agreements

Recommended Actions:

RCAMP Project

- i. Approve and authorize the Executive Director to execute Amendment No. 1 to the Cooperative Agreement for Regional Coastal Adaptation Monitoring Program with the City of Santa Barbara with a revised Scope of Work, Budget, and Term extending the agreement through December 31, 2027, and adding \$50,000 to the budget for a total amount not to exceed \$525,000 (Attachment I).
- ii. Approve and authorize the Chair to execute an Agreement with United States Geological Survey (USGS) to assist BEACON in providing science and technical services to develop the Regional Coastal Adaptation Monitoring Program (RCAMP) and Monitoring Plan (MP) with a period of performance from September 19, 2025 to September 30, 2026 for a total amount not to exceed \$105,000 with funding provided by the California Coastal Commission. (Attachment II).
- iii. Approve and authorize the Chair to execute Amendment No. 2 with Environmental Science Associates (ESA) to add three tasks to assist BEACON in providing science and technical services to develop the RCAMP and MP to extend the period of performance by nine months with a revised end date of September 30, 2027, and to increase funding by \$95,000 with a revised total not to exceed \$332,705 with funding provided by the California Coastal Commission. (Attachment III).

Coastal Access Data Research Project

- iv. Approve and authorize the Chair to execute Amendment No. 1 to the Agreement with Nate Merrill/Matunuck Research, to provide scientific and technical services supporting coastal and beach access planning with funds provided by The Bay Foundation, to extend the period of performance three months with a revised ending date of December 31, 2025, and to increase funding by \$25,000 for a revised total amount not to exceed \$50,000 (Attachment IV).

Operational Agreement

- v. Approve, ratify, and authorize the Chair to execute Amendment No. 1 to the



Agreement with Marc Beyeler/Beyeler & Associates to provide Executive Director services to BEACON to clarify the reimbursement of expenses without a change to the period of performance from July 1, 2025, to June 30, 2026, and without a change in the amount not to exceed \$165,227.40. (Attachment V).

6. Executive Director's Report and Communications

The Executive Director will report on recent activities and achievements of BEACON, upcoming events of interest to the Board of Directors and the public, and general status of BEACON major projects, including the status of recent BEACON presentations on activities and accomplishments to our member agencies. There will be no Board discussion except to ask questions or refer matters to Staff; no action will be taken unless listed on a subsequent agenda.

November Meeting Agenda:

- A. Presentations
- B. Project Updates
- C. Beacon 26-27 Budget Review

7. Adjourn

Late Distribution of Materials

Any disclosable public records related to an open session item on a regular meeting agenda and distributed by the City Clerk to all or a majority of the members of the BEACON Board less than 72 hours prior to that meeting are available for inspection in the City Clerk Office, at 5775 Carpinteria Ave, Carpinteria, CA 93013 and on the Internet at: BEACON.CA.GOV. Any written ex-parte communication subject to disclosure by members of the BEACON Board may be published online as an attachment to the corresponding item.



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STAFF REPORT

Meeting Date: September 19, 2025
Agenda Item: 1B-C

To: BEACON Board of Directors
From: Executive Director
Date: September 8, 2025

Subject: Administrative Items

RECOMMENDED ACTIONS:

- B. Approval of Agenda and Filing of Certificate of Agenda Posting.
- C. Consideration and Approval of Minutes of the BEACON Meeting held on July 18, 2025 (Exhibit 1).

ITEM 1C

EXHIBIT 1

Minutes from July 18, 2025, Board Meeting

BEACON BOARD OF DIRECTORS' MEETING MINUTES

DATE: Friday, September 19, 2025

TIME: 9:00 AM

PLACE: IN-PERSON IN CARPINTERIA & TELECONFERENCE

Item	1A	Call to Order, Roll Call, and Introductions –Chair, Eric Friedman
Minutes/ Actions:	Members Present: <ul style="list-style-type: none"> • Vianey Lopez (County of Ventura) • Matt LaVere (County of Ventura) • Roy Lee (County of Santa Barbara) • Eric Friedman (City of Santa Barbara) • Jennifer Smith (City of Goleta) • Gabe Teran, (City of Oxnard) • Steven Gama (City of Port Hueneme) Members Not Present: <ul style="list-style-type: none"> • Doug Halter (City of Ventura) • James Kyriaco (City of Goleta) • Julie Mayer (City of Carpinteria) • Laura Capps (County of Santa Barbara) 	
Item	1B - C	Approval of Administrative Items B. Approval of Agenda and Filing of Certificate of Agenda Posting. C. Consideration and Approval of Minutes of the BEACON Meeting held on July 18, 2025.
Minutes/ Actions:	Board Members Comments: <ul style="list-style-type: none"> • None. Public Comments: <ul style="list-style-type: none"> • None. Motion to approve Items IB and IC as set forth in the agenda. Moved by LaVere / Second by Gama. Unanimously approved.	
Item	2	Public Comment and Other Matters not on the agenda Receive public comments.
Minutes/ Actions:	Board Members Comments: <ul style="list-style-type: none"> • None. Public Comments: <ul style="list-style-type: none"> • None. 	
Item	3	Presentations - Recommended Actions: <ol style="list-style-type: none"> Receive presentations on Dredging and Beach Nourishment Programs in the Santa Barbara Littoral Cell. Approve and authorize the Chair to sign letters of support for the federal projects aligned with BEACON’s purpose in the Santa Barbara Littoral Cell on behalf of BEACON.

BEACON BOARD OF DIRECTORS' MEETING MINUTES

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**Minutes/
Actions:**

Executive Director Marc Beyeler indicated that this morning there will be three presentations from each of the three harbors within the BEACON littoral Cell. All three harbors engage in harbor dredging and beneficial reuse of sediment. All the dredging is federally funded with separate federal authorizations. The local governments do not have the capacity to fund their dredging, and it is critical that the federal funding is maintained. Presentations will be made by Todd Mitchell from Ventura Harbor, Michael Tripp from Channel Islands Harbor and Mike Wiltshire from Santa Barbara Harbor. Each will brief us on the status of dredging and dredging finance. Every year BEACON hosts a Sand Summit to discuss the harbors.

- The first Presenter was Todd Michell, representing Ventura Harbor.
- The second presenter was Michael Tripp representing Channel Island Harbor.
- The third presenter is Mike Wiltshire representing Santa Barbaraa Harbor.

Copies of the three presentations will be posted to the BEACON Website.

Board Members Comments:

- Member Teran indicated that he will have to leave during the third presentation.
- Member Gama asked what is the breakdown of the \$26M referenced?
- Michael Tripp responded that there is \$8M/yr set aside in the President's Budget for two years and \$4M in total from the Navy for a total of \$20M over the two years. Based on the increased cost of \$26M, we are \$6M short.
- Member Lee indicated that we all represent our jurisdictions, and BEACON is a great supporter of the harbor dredging. Shouldn't the local jurisdictions identify funding for sand nourishment at a policy level?
- Chair Friedman indicated that this was a great question. If the local agencies were to step up locally it would be very challenging further necessitating the need for regional solutions.
- Member Gama indicated that Michael Tripp mentioned dune restoration at the Channel Island Sand Trap. There is a 30M CY sand deficit over time at Channel Islands Harbor. If you go back 20 years, there were no dunes. We must remind ourselves that we have cut off the natural flow of sand. Was the USACE responded to a Coastal Commission directive regarding the protection of the dunes?
- Michael Tripp indicated that the USACE responded to a California Department of Fish and Wildlife directive, and the Coastal Commission approved the project.
- Vice Chair Gama indicated that we do beach cleanup all the time and see that the birds are resilient and move to other areas as needed. It is frustrating, when the priorities get slightly muddled.
- Michael Tripp understands the frustration, especially from the residents, but the reality is that implementing any project is increasingly challenging from a permitting standpoint.
- Chair Friedman asked that staff provide an update on all three federal funding at the Executive Director Report.

Public Comments:

BEACON BOARD OF DIRECTORS' MEETING MINUTES

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	None.
	Motion to approve item - Moved by Gama / Second by Lopez. Unanimously approved.

Item	5A	BEACON Organization and Program Board Members Reports
Minutes/ Actions:		<p>Board Members Comments:</p> <ul style="list-style-type: none"> Member Gama reported that he sent a video at Perkins Road to the Executive Director yesterday. It's so beautiful and I appreciate to be part of this organization to help the coastline. Executive Director indicated Perkins Road, which is Orman Beach. Unfortunately, you cannot get there anymore, there is no coastal access. <p>Public Comments:</p> <ul style="list-style-type: none"> None.

Item	5B	Science Advisory Committee (SAC) <i>Recommended Actions:</i> <ol style="list-style-type: none"> Confirm the appointment of Members and Co-Chairs of the Science Advisory Committee (SAC) (Exhibit 1). Adopt revisions to the SAC Bylaws, including 1) defining a quorum of the SAC as a majority of the members, and 2) making changes to the SAC Bylaws subject the vote of a majority of the Board Member. (7 votes required). (Attachment 1).
Minutes/ Actions:		<p>Executive Director Beyeler explained that four years ago the Board elected to approve a Science Advisory Committee and accepted the Chairs of the SAC. We would like to extend the terms of the Chairs and add a social and environmental justice member, as requested by the Board. We have now added the new member, Dr. Jose Casto-Sotomayor.</p> <p>There is a two-item request before the Board today. First to re-appoint the members of the SAC and the second is to modify the bylaws of the SAC, which now requires two-thirds of members to be present to constitute a quorum at the SAC meeting. Unlike the BEACON Board, the SAC members are spread all over California, therefore requiring that two thirds of them be present at the SAC meeting is onerous. We are therefore recommending changing the SAC bylaws to allow a simple majority to constitute a quorum.</p> <p>Board Members Comments:</p> <ul style="list-style-type: none"> Chair Friedman asked how often to the SAC meet? The Executive Director indicated that the SAC has one annual meeting. How, the SAC also attends a Managers-Scientists Summit. We have two manager liaisons from our member agencies. There is no compensation for SAC members, so we try not to put too much on their plates. That said, many of the SAC members also participate as agency, consultants, or university representatives on BEACON's various projects. Member LaVere asked who the new Social and Environmental Justice member of SAC

BEACON BOARD OF DIRECTORS' MEETING MINUTES

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	<p>is because there is no Social and Environmental Justice member on the SAC list attached to the staff report.</p> <ul style="list-style-type: none"> • The Executive Director indicated that the new SAC member is Dr. Jose Castro-Sotomayor, and the name will be added to the list. This was an erroneous omission. • Vice Chair Gama emphasized how impressive the SAC membership is, it gives significant credibility to BEACON. • Chair Friedman agreed that SAC is very important to BEACON's credibility and the scientific data that the SAC brings to BEACON. This is often brought up at public meetings throughout the State. <p>Public Comments:</p> <ul style="list-style-type: none"> • None. <p>Motion to approve item with the correction to the staff report to add Dr. Jose Castro-Sotomayor to the SAC member list - Moved by Teran / Second by Gama. Unanimously approved.</p>
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Item	<p>5C</p> <p>Presentation on the BEACON Financial Report for the Fiscal Years 2023 and 2024.</p> <p>Receive and file the BEACON Biennial Financial Report for Fiscal Years 2023 and 2024</p>
Minutes/ Actions:	<p>Executive Director Beyeler indicated he wanted to highlight one item on page 6 of the financial report. The Audit Firm concluded regarding the financial position of BEACON which is a review of the practices that BEACON follows which in turn, is the practices of the account practices of Centura County. The Audit references that over the last two years, we have strengthened our financial position primarily through grant funding and increasing our net reserves. We work very closely with the Audit Controller Office of Ventura.</p> <p>Board Members Comments:</p> <ul style="list-style-type: none"> • Member Teran asked if the Biennial Financial Report can be posted to the BEACON Website. • Executive Director Beyeler indicated that the Agenda Packet which includes the report is posted on the BEACON Website but that the financial report will be pulled out and posted separately. <p>Public Comments:</p> <ul style="list-style-type: none"> • None. <p>Motion to approve item - Moved by Gamsa / Second by Teran. Unanimously approved.</p>

Item	<p>5D</p> <p>BEACON Contracts and Agreements</p> <p><i>Recommended Actions:</i></p>
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BEACON BOARD OF DIRECTORS' MEETING MINUTES

DATE: Friday, September 19, 2025

TIME: 9:00 AM

PLACE: IN-PERSON IN CARPINTERIA & TELECONFERENCE

	<ul style="list-style-type: none"> i. Approve, ratify, and authorize the Chair to execute an Agreement with California State University Channel Islands (CSUCI), Kiersten Patsch, PhD to assist BEACON in providing science and technical services to the County of Santa Barbara to prepare a sediment management program (“the BeachSMART project”) for the southern area of Santa Barbara County with a period of performance from July 1, 2025 to June 30, 2028 for a total amount not to exceed \$45,000 with funding provided by the California State Coastal Conservancy (Attachment I). ii. Approve and authorize the Executive Director to amend the Agreement with the City of Santa Barbara to extend the Agreement for the Regional Coastal Adaptation Monitoring Program to December 31, 2027 and to shift funding between budget items without an increase to the total amount of \$475,000, upon approval of legal counsel and auditor-controller. (Attachment II). iii. Approve, ratify, and authorize the Chair to execute an Agreement with Marc Beyeler/Beyeler & Associates to provide Executive Director services to BEACON with a period of performance from July 1, 2025, to June 30, 2026, in an amount not to exceed \$165,227.40. (Attachment III)
Minutes/ Actions:	<p>Executive Director Beyeler reported that the SBCO BeachSMART Program is underway to develop a get debris basin material to the beach. BEACON was asked to assist them to construct this program. We worked with CSUCI to bring Dr. Patsch to advise the County on getting debris basin material to the coast, which surprisingly has never been a permitted activity outside of emergency conditions. We need thoughtful regional sediment management practices so we can honor ecological and human communities, and it is a balancing act. For example, in 2023 Carpinteria’s Ash Avenue received 50,000 CY of Sand to protect the beach. However, this required 5,000 dump truck trips through downtown Carpinteria, and there is an impact on the community. We are asking the Board to approve this contract with Dr. Patsch.</p> <p>The second item we bring to you is the Regional Coastal Adaptation Monitoring Program (RCAMP) which is developing a model to capture monitoring data to share with all jurisdictions. Today we are asking to amend the RCAMP Agreement to align funding.</p> <p>The third item is the approval of the FY 2025-2026 Executive Director agreement.</p> <p>Legal Counsel, Susan McKenzie, indicated that prior to the Board’s approval of this item, for agreement 5D iii, in accordance with Government Code Section 54953 subdivision (c)(3), the Executive Director’s salary shall be verbally summarized. The recommended action includes an increase of \$5,587 effective July 1, 2025, which results in an increase in the annual salary from \$159,640 to \$165,227.</p> <p>Board Members Comments:</p> <ul style="list-style-type: none"> • Chair Friedman indicated that the RCAMP is critical in capturing regional monitoring. It is one of the benefits of BEACON because we work with all the jurisdictions. It is so

BEACON BOARD OF DIRECTORS' MEETING MINUTES

DATE: Friday, September 19, 2025

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	<p>critical.</p> <p>Public Comments:</p> <ul style="list-style-type: none"> • None. <p>Motion to approve Items 5D as recommended on the agenda - Moved by LaVere / Second by Lee. Unanimously approved.</p>
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Item	<p>7</p> <p>Executive Director's Report and Communications The Executive Director will report on recent activities and achievements of BEACON, upcoming events of interest to the Board of Directors and the public, and general status of BEACON major projects, including the status of recent BEACON presentations on activities and accomplishments to our member agencies. There will be no Board discussion except to ask questions or refer matters to Staff; no action will be taken unless listed on a subsequent agenda.</p>
Minutes/ Actions:	<p>Executive Director Beyeler mentioned one of the actions of the Board today under Item 3 was the approval for the Chair to sign letters of support for the federal projects aligned with BEACON's purpose in the Santa Barbara Littoral Cell. The language of the letters is in development to support full federal funding for all three harbors. In addition, BEACON, through Brian Brennan, was in DC in March in lobbying for continued dredging.</p> <p>In addition, I wanted to make sure that it is understood that all the BEACON's studies eventually support on-the-ground projects. In that light, Phase 2 of the Surfers Point project is now complete. It is a project that has achieved all that it promised. The project was very costly, and it was delivered in phases. We will bring some more detailed information back to the Board. The project is being nominated for a National Award and in October at the ASBPA event the project may win one of the "best restored shoreline" awards.</p> <p>Similarly, a Best Practices Manual on the Santa Barbara County Debris Basin Project was completed and provided to the Board. The manual documents the design parameters for debris basin modifications that allow the flow of sediment downstream while still protecting the community from major flood events.</p> <p>BEACON has had a successful year, and we have a lot coming up this next fiscal year. We post all our presentations that are made at board meetings and at BEACON events on the BEACON Website and me, or our other staff can always provide more details on any of our projects to Board Members as needed or requested. We always try to have one Board Member present at our various events and request that Board Members speak at the events. We have a few online presentations being scheduled in the next few months – one of which will be the RCAMP.</p> <p>Also because of the board's visioning workshop last year, we are now preparing with Stacy Miller a BEACON 2025 Report which we can present to all your agencies, as we did a few</p>

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	<p>years ago. We also know that we need more effective reports for delivery to the larger community.</p> <p>Board Members Comments:</p> <ul style="list-style-type: none">• Brian Brennan mentioned that BEACON will be attending the ASBPA Conference in Long Beach in October and Board Members are always welcome to participate. Brian also mentioned that at the lobbying effort in DC we were able to meet with our State Senators and join our east coast colleagues also pressing for federal funding for coastal protection and dredging.• Chair Friedman adjourned the meeting. <p>Public Comments:</p> <ul style="list-style-type: none">• None.
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The next Board Meeting will be held on September 19, 2025, 9:00 AM, at the City of Carpinteria City Council Chambers.

Meeting Minutes by Gerald Comati, Program Manager, BEACON.

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STAFF REPORT

Meeting Date: September 19, 2025
Agenda Item: 2

To: BEACON Board of Directors
From: Executive Director
Date: September 8, 2025

Subject: Public Comment and Other Matters not on the Agenda

RECOMMENDED ACTION:

Receive Public Comments.

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STAFF REPORT

Meeting Date: September 19, 2025
Agenda Item: 3

To: BEACON Board of Directors
From: Executive Director
Date: September 8, 2025

Subject: Presentation on the Regional Coastal Adaptation Monitoring Program (RCAMP)

RECOMMENDED ACTION:

Receive a presentation on the Regional Coastal Adaptation Monitoring Program (RCAMP) from BEACON staff and from a representative with Environmental Science Associates (ESA).

DISCUSSION:

BEACON is partnering with the City of Santa Barbara and the California Coastal Commission on the RCAMP. Beacon and its partners worked with Environmental Science Associates (ESA) professional staff to complete the draft Monitoring Plan (MP) for the RCAMP.

We are sharing the draft Plan with the BEACON Board following the conclusion of the stakeholder and agency review of the draft. BEACON and our partners, with ESA have organized a series of outreach and input opportunities over the past two years, including meetings of the BEACON SAC and during the Manager-Scientist Summit meetings.

In addition, BEACON, and the City of Santa Barbara, along with ESA have provided presentations to other stakeholder agencies and representatives. Most recently, BEACON and its partners sponsored a remote Webinar (Zoom) that attracted more than four dozen Beacon SAC, agency staff and stakeholder participants.

The current draft incorporates all the input received through these multiple opportunities. The planning process for the grant project is identified in the graphic below (Figure ES-1) which details the planning process steps. We are at step 3: Public Review, including Public Review Draft for Beacon members, Board of Directors, stakeholders, California Coastal Commission, and public review and comment; Chumash Tribal consultation; Public stakeholder Workshop; Revised Draft Report and Recommendations in response to comments.

The next step involves Pilot Study Plans; Pilot projects activities; and a Pilot Study Report Draft for Beacon members, Board of Directors, stakeholders, California Coastal Commission, and public review and comment. This is followed by the final step, the preparation of the Revised Final Monitoring Plan and LCP Amendment. This step involves a Draft of the Revised/Updated Final Plan followed by review by BEACON members, Board of Directors, stakeholders, California Coastal Commission, and public review and comment, and a revised Final Plan. The City of Santa Barbara will then prepare an LCP Amendment

RCMP Planning Process



Figure ES-1. RCAMP Planning Process

BEACON Staff have attached the Executive Summary of the Plan to this staff report and provided the entire Plan report here at this [link](#). BEACON and ESA staff will make a short presentation followed by questions and comments from the BEACON Board, stakeholders, and members of the public.

<https://beacon.ca.gov/presentations/regional-coastal-adaptation-monitoring-program/>

ITEM 3

RCAMP – Executive Summary

EXECUTIVE SUMMARY

The purpose of the Regional Coastal Adaptation Monitoring Program (RCAMP) is to provide consistent data and analysis to support local government agencies and resource managers conducting coastal resilience planning and implementation in the BEACON (Beach Erosion Authority for Clean Oceans and Nourishment) region, which encompasses Santa Barbara and Ventura Counties. BEACON, a California Joint Powers Agency (JPA), provides regional coordination for coastal sediment management and coastal planning and adaptation within the Santa Barbara Littoral Cell (SBLC), spanning from the mouth of the Santa Maria River north of Point Conception to Point Mugu in the south, and the Mugu Submarine Canyon. The member agencies of BEACON include the Counties of Santa Barbara and Ventura as well as the coastal cities of Santa Barbara, Goleta, Carpinteria, Ventura, Oxnard, and Port Hueneme.

The SBLC and the BEACON coastal region, including the Santa Barbara Channel (SBC), are home to world-renowned and locally cherished sandy beaches, as well as numerous threatened natural coastal resources, importantly including several Marine Protected Areas. In addition, a large portion of the Chumash Heritage National Marine Sanctuary (established 2024), the newest federally designated sanctuary, lies within the SBLC, covering extensive areas along the central coast in San Luis Bay and the SBC. The sanctuary's eastern boundary extends just west of the City of Goleta near Naples.

Key RCAMP objectives are to provide local management agencies with the information needed to:

- Assess whether changed conditions within the coastal zone require new adaptation planning approaches;
- Evaluate the effectiveness of implementation projects; and
- Promote regional collaboration.

The Monitoring Plan provides a roadmap for BEACON, its members and agency representatives, other interested agency representatives, stakeholders, and members of the public to implement the RCAMP by establishing recommended monitoring strategies and pilot studies. The Monitoring Plan considered a wide range of monitoring options that could improve the understanding of local physical, ecological, social, and Chumash cultural resources conditions within the coastal zone. These options were evaluated and prioritized by key RCAMP objectives. The Monitoring Plan was informed by robust collaboration between BEACON members, the BEACON Science Advisory Committee (SAC), and stakeholders.

Monitoring Plan Recommendations Summary

The Monitoring Plan outlines a strategic framework with two parallel paths for the RCAMP to pursue:

1. **Utilize existing data:** Use existing available data to develop new data analyses, syntheses, and products useful to BEACON members for adaptation planning, and
2. **Collect new data:** Collect new data to fill identified data gaps and provide important information for adaptation planning.

All recommended Monitoring Plan components are critical to advance scientific understanding of local sea level rise and climate change impacts such as coastal storms and extreme climate events. However, resource constraints necessitate prioritizing Monitoring Plan components, and each has been assigned one of the following rankings:

1. **Critical Priority.** Critical for decision-making, high alignment with RCAMP goals, and required to complete other monitoring topics.
2. **High Priority.** High need for decision-making and alignment with RCAMP goals.
3. **Priority.** Advances priority scientific need or requires another component to be completed.

A complete list of potential Monitoring Plan components is provided in Chapter 5, and detailed information about how those were evaluated and recommended is found in Chapter 6. A summary of recommended Critical Priority and High Priority components is found in Table ES-1 and Table ES-2.

TABLE ES-1. RECOMMENDED CRITICAL PRIORITY MONITORING COMPONENTS

Topic	Recommended Analysis	Recommended Monitoring Approach
Sea Level Rise	<u>Every three to five years:</u> <ul style="list-style-type: none"> Determine sea level rise amount and rate of change. Compare change in sea level to sea level rise projections using a baseline year of 2000 for both. Indicate any coincidence with El Niño-Southern Oscillation events. 	<u>Continuously:</u> <ul style="list-style-type: none"> Monitor sea levels. <u>Approach:</u> <ul style="list-style-type: none"> Use the existing Santa Barbara Tide Gage. Partner with National Oceanic and Atmospheric Administration (NOAA) to determine when additional sea level rise analysis will be available and if the Ventura Tide Gage can be re-established.
Sandy Beach Shoreline Change	<u>Annually:</u> <ul style="list-style-type: none"> Map spring shoreline position (Mean High Water). <u>Every three to five years:</u> <ul style="list-style-type: none"> Assess recovery from storm erosion. Determine Spring beach width, change, and rate of change analysis. 	<u>Annually (spring) or biannually (fall and spring):</u> <ul style="list-style-type: none"> Monitor seasonal shoreline positions and beach width using surveys and/or satellite imagery. <u>Approach:</u> <ul style="list-style-type: none"> Support continued USGS data collection using best practices to be identified in the pilot study. Partner with USGS to release information and analysis on a standardized and regular interval.
Bluff Erosion	<u>Annually:</u> <ul style="list-style-type: none"> Determine position of bluff top edge and base. <u>Every three to five years:</u> <ul style="list-style-type: none"> Determine rate of change of position of bluff top edge and base. 	<u>Annually:</u> <ul style="list-style-type: none"> Monitor bluff top edge and base position. <u>Approach:</u> <ul style="list-style-type: none"> Support continued USGS data collection using best practices to be identified in the pilot study. Partner with USGS to release information and analysis on a standardized and regular interval.

TABLE ES-2. RECOMMENDED HIGH PRIORITY MONITORING COMPONENT

Topic	Recommended Analysis	Recommended Monitoring Approach
Sandy Beach Shoreline Change	<u>Annually:</u> <ul style="list-style-type: none"> Determine maximum winter erosion extent. 	<u>Annually and after storm events:</u> <ul style="list-style-type: none"> Monitor shoreline position and beach width. <u>Approach:</u> <ul style="list-style-type: none"> Coordinate with USGS on regular satellite imagery analysis and products. Consider on-call arrangements or contracts with universities, surveyors, or consultants.
Storm Events	<u>Annually:</u> <ul style="list-style-type: none"> Determine storm event intensities (rainfall, flood levels, wave heights). Estimate storm recurrence frequency based on comparison with historical frequencies and climate model projections. 	<u>Annually and after storm events:</u> <ul style="list-style-type: none"> Monitor and analyze rainfall, stream flow rates, wave heights and periods, water levels in lagoons. <u>Approach:</u> <ul style="list-style-type: none"> Coordinate with county flood control districts and BEACON member cities, USGS, and/or California Department of Water Resources (DWR) to develop and plan for new stream flow and estuary water level gages (e.g., Gaviota Creek, Carneros Creek and Tecolito Creek tributaries of Goleta Slough, Arroyo Burro Creek, Laguna Channel, Sycamore Creek, multiple creeks from Montecito to Carpinteria, Franklin Creek, Santa Monica Creek, and multiple creeks between Carpinteria and Ventura). Consider on-call arrangements or contracts with universities or consultants. Continue to support and coordinate with Coastal Data information Program (CDIP) and Southern California Coastal Ocean Observing System (SCCOOS) to deploy a roving CDIP buoy in the Santa Barbara Channel to improve the CDIP Monitoring and Prediction (MOP) system and wave runup modeling.
	<u>Annually:</u> <ul style="list-style-type: none"> Summarize standardized documentation of storm event extents and impacts. Estimate the extent and duration of flooding and erosion. 	<u>Annually during storms and after the storm season:</u> <ul style="list-style-type: none"> Document the physical extent of storm events, costs to resource managers, and a storm event narrative. <u>Approach:</u> <ul style="list-style-type: none"> Consider video cameras at flood- and erosion-prone sites, PlaneCam, CoastSnap at high public use sites, coordination with Surfline. Consult and coordinate with County Office of Emergency Services (which serves the cities of Ventura, Oxnard, and Port Hueneme), Santa Barbara County Office of Emergency Management, and emergency service and other relevant departments for the cities of Goleta, Santa Barbara, and Carpinteria to confirm and detail what and how storm reports, damage assessments, Federal Emergency Management Agency (FEMA) claims, asset management, and Customer Relations Management (CRM) is being collected and could be used or modified.
Combined Flooding	<u>Every three to five or more years:</u> <ul style="list-style-type: none"> Update vulnerability modeling and mapping of combined coastal and fluvial flooding, including lower-level and more frequent storm events (aka 10- and 20-year events). 	<u>Continuously:</u> <ul style="list-style-type: none"> Monitor and analyze rainfall, stream flow rates, lagoon water levels, wave heights and periods, information on flooding extents and duration. See Storm Events above.

Topic	Recommended Analysis	Recommended Monitoring Approach
Sediment Movement	<u>Every three to five or more years:</u> <ul style="list-style-type: none"> Determine sediment movement through the littoral cell. Project future sediment movement patterns. 	<u>In conjunction with sediment management actions:</u> <ul style="list-style-type: none"> Gather or monitor dredging and sediment/debris basin removal volumes and grain size data and shoreline topography, bathymetry and beach widths including at sediment placement sites in various portions of the littoral cell. Consider conducting topographic/bathymetric surveys of sediment placements (before and after placement). <u>Annually:</u> <ul style="list-style-type: none"> Gather/collect the above sediment management data within the littoral cell. <u>Approach:</u> <ul style="list-style-type: none"> Explore data repository options.
	<u>Every three to five or more years:</u> <ul style="list-style-type: none"> Evaluate effectiveness of nourishment placement. 	<u>Biannually (fall and spring):</u> <ul style="list-style-type: none"> Survey beach topography and width before and after placement. <u>Annually:</u> <ul style="list-style-type: none"> Gather/collect the above sediment management data within the littoral cell. <u>Approach:</u> <ul style="list-style-type: none"> Consider supplemental surveys at placement sites within USGS shoreline change data collection.
Chumash Cultural Resources	<u>Every three to five or more years:</u> <ul style="list-style-type: none"> Compare cultural resource locations with existing hazard maps to identify potential future impacts. 	<u>Approach:</u> <ul style="list-style-type: none"> Collaborate with Chumash tribal representatives to develop and implement a cultural resource sites erosion monitoring plan Consider utilizing current hazard maps and confidential cultural site locations to identify potential erosion impacts.
Social Vulnerability	<u>Every three to five or more years:</u> <ul style="list-style-type: none"> Determine which communities, including Disadvantaged Communities, are being impacted by storms, flooding, and erosion events. 	<u>Approach:</u> <ul style="list-style-type: none"> Leverage available data, studies, and Storm Damage Analysis (see above). Utilize current hazard maps, census data, and storm damage documentation. Prioritize new Storm Damage monitoring and updated flood hazard mapping in disadvantaged communities

Recommended Pilot Studies Summary

The recommended pilot studies are:

1. **Develop a demonstration RCAMP Monitoring Report.** This demonstration report will serve as a template and prototype for what will become the regularly updated monitoring report that is expected to be updated every three to five years. This demonstration report will be a proof-of-concept that maximizes the use of available grant funding to summarize and document available data, document shoreline position data provided by the pilot study below, establish a baseline to compare future changes against (as possible based on available data), and create a document outline that implements the RCAMP Monitoring Plan recommendations and priorities discussed above. At a minimum, the demonstration report will include:
 - A framework, example, and template for future RCAMP Monitoring Reports to build from.
 - Baseline data and priority monitoring components identified in the RCAMP, intended to establish a foundation to support future analysis, comparison, and decision-making.
 - Recommendations of additional data and analysis to include in future Monitoring Reports.
 - An assessment of RCAMP Monitoring Plan needs, priorities, and utility.
2. **Develop a new shoreline data analysis and monitoring framework in partnership with the United States Geological Survey (USGS).** In this pilot study, USGS will finalize and analyze USGS shore profile surveys, PlaneCam topography data, CoastSat data, and other relevant data sources. USGS will use this information to provide shoreline data and make recommendations on how best to leverage new monitoring techniques to conduct future shoreline monitoring.

Process and Next Steps

Figure ES-1 summarizes the RCAMP development process and next steps. The process has included multiple technical, stakeholder and public outreach opportunities in the development of this Public Draft Monitoring Plan. The next step in the process is for the BEACON Science Advisory Committee and stakeholders to review the Public Draft Monitoring Plan and the recommended pilot studies. A final Monitoring Plan will then be developed to incorporate feedback.

Pilot studies will begin in fall 2025 and conclude in winter 2026/2027, with pilot study reports completed by spring 2027. A pilot study results report will be prepared and presented to the BEACON Science Advisory Committee and stakeholders in the first quarter of 2027 to share lessons learned and identify needed Monitoring Plan revisions. The City of Santa Barbara will then prepare an amendment to the City's fully certified Local Coastal Program (LCP) to incorporate the Final Monitoring Plan into the City's Coastal Land Use Plan.



SOURCE: ESA, BEACON, City of Santa Barbara, 2025

Figure ES-1. RCAMP Planning Process

After completion of the Final Monitoring Plan and dependent on future funding, the RCAMP anticipates preparing an RCAMP monitoring results report every three to five years.

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A California Joint Powers Agency

Member Agencies

Julia Mayer
City of Carpinteria

James Kyriaco
City of Goleta

Gabe Teran
City of Oxnard

Steven Gama, Vice-Chair
City of Port Hueneme

Doug Halter
City of San Buenaventura

Eric Friedman, Chair
City of Santa Barbara

Laura Capps
Roy Lee
County of Santa Barbara

Vianey Lopez
Matt LaVere
County of Ventura

Executive Director
Marc Beyeler

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105 East Anapamu, Suite 201
Santa Barbara, CA 93101

Ventura Address:
501 Poli St.
P.O. Box 99
Ventura, CA 93001

Email:
Office@Beacon.ca.gov

Website:
<http://www.beacon.ca.gov>

STAFF REPORT

Meeting Date: September 19, 2025
Agenda Item: 5A

To: BEACON Board of Directors
From: Executive Director
Date: September 8, 2025

Subject: Board Member Reports

Directors are invited to provide reports and updates on items of interest in their County or City.

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A California Joint Powers Agency

Member Agency
Representatives

Julia Mayer
City of Carpinteria

James Kyriaco
City of Goleta

Gabe Teran
City of Oxnard

Steven Gama, Vice-Chair
City of Port Hueneme

Doug Halter
City of San Buenaventura

Eric Friedman, Chair
City of Santa Barbara

Laura Capps
Roy Lee
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STAFF REPORT

Meeting Date: September 19, 2025
Agenda Item: 5B

To: BEACON Board of Directors
From: Executive Director
Date: September 12, 2025

Subject: Contracts and Agreements

RECOMMENDED ACTIONS:

RCAMP Project

- i. Approve and authorize the Executive Director to execute Amendment No. 1 to the Cooperative Agreement for Regional Coastal Adaptation Monitoring Program (RCAMP) with the City of Santa Barbara with a revised Scope of Work, Budget, and Term extending the agreement through December 31, 2027, and adding \$50,000 to the budget for a total amount not to exceed \$525,000 (Attachment I).
- ii. Approve and authorize the Chair to execute an Agreement with United States Geological Survey (USGS) to assist BEACON in providing science and technical services to develop the Regional Coastal Adaptation Monitoring Program (RCAMP) and Monitoring Plan (MP) with a period of performance from September 19, 2025 to September 30, 2026 for a total amount not to exceed \$105,000 with funding provided by the California Coastal Commission. (Attachment II).
- iii. Approve and authorize the Chair to execute Amendment No. 2 with Environmental Science Associates (ESA) to add three tasks to assist BEACON in providing science and technical services to develop the RCAMP and MP to extend the period of performance by nine months with a revised end date of September 30, 2027, and to increase funding by \$95,000 with a revised total not to exceed \$332,705 with funding provided by the California Coastal Commission. (Attachment III).

Coastal Access Data Research Project

- iv. Approve and authorize the Chair to execute Amendment No. 1 to the Agreement with Nate Merrill/Matunuck Research to provide scientific and technical services supporting coastal and beach access planning with funds provided by The Bay Foundation, to extend the period of performance three months with a revised ending date of December 31, 2025, and to increase funding by \$25,000 for a revised total amount not to exceed \$50,000 (Attachment IV).

Operational Agreement

- v. Approve, ratify, and authorize the Chair to execute Amendment No. 1 to the Agreement with Marc Beyeler/Beyeler & Associates to provide Executive Director services to BEACON to clarify the reimbursement of expenses without a change in the period of performance from July 1, 2025, to June 30, 2026, and without a change in the amount not to exceed \$165,227.40. (Attachment V).

DISCUSSION:

Grant Project Agreements

BEACON receives various grant funds to undertake research and to support its project activities. BEACON is currently involved in projects to address improvements in beach access planning, regional monitoring, ecological assessment, and expanded regional sediment management to support climate adaptation.

BEACON RCAMP Project

Staff is proposing the Board approve one new agreement and two amendments to existing agreements for this Project.

- The first amendment is Amendment No. 1 to the Cooperative Agreement with the City of Santa Barbara to extend the term and increase the funding (Attachment I).
- The new agreement is with USGS to assist BEACON in providing science and technical services to develop the RCAMP and MP for two years from September 19, 2025, to September 30, 2027, for \$105,000 with funding from the California Coastal Commission in partnership with the City of Santa Barbara (Attachment II).
- Staff is also recommending the Board approve Amendment No. 2 to a current agreement with Environmental Science Associates (ESA) to further implement BEACON's RCAMP and more specifically to assist BEACON in implementing the MP in the next two years from September 19, 2025, to September 30, 2027, for \$95,000 with funding from the California Coastal Commission. (Attachment III).

Coastal Access Data Research Project

Earlier this year BEACON contracted with Dr. Nathaniel Merrill as an independent contractor. Dr. Merrill has been involved in BEACON's beach access data research from the beginning of 2021.

Dr. Merrill was employed by the United State Environmental Protection Agency (EPA), BEACON's previous federal supporter, but the EPA withdrew from the project. At the same time, Dr. Merrill became available to BEACON as a grant-funded contractor. In the past six months since his hiring, Dr. Merrill has worked with BEACON staff, and the staff of our project partners, to fulfill grant objectives. This contract Amendment No. 1 will allow Dr. Merrill to continue his work through the conclusion of the grant in 2025 (Attachment IV).



BEACON Operational Agreement

BEACON staff is recommending that the Board approve a contract amendment with Marc Beyeler/Beyeler & Associates to clarify the reimbursement of expenses for direct BEACON related meeting and presentation expenses. All costs directly related to BEACON activities undertaken by its professional consultants have been treated as reimbursable outside of their professional services agreements. As Executive Director there are many different reimbursable expenses outside of only minor expenses that are and should be reimbursable separately from the Professional Services agreement with BEACON. Staff are recommending the Board approve the amendment to support essential Executive Director services for the current year (Attachment V).

ITEM 5B

ATTACHMENT I

**RCAMP - Amendment No. 1 to the Cooperative Agreement with the City of
Santa Barbara**

Amendment No. 1
Between
Beach Erosion Authority for Clean Oceans and Nourishment
And
City of Santa Barbara

The Cooperative Agreement (hereafter, "Agreement") made July 2022 by and between the BEACH EROSION AUTHORITY FOR CLEAN OCEANS AND NOURISHMENT (hereafter, "BEACON") and City of Santa Barbara (Contractor), individually referred to as Party, or collectively as Parties, is hereby amended ("Amendment No. 1") as follows:

Recitals Section 9 is deleted in its entirety and replaced with:

The City applied for a Round 7 Local Coastal Program Planning Grant, herein referred to as "LCP GRANT," from the California Coastal Commission (CCC) in the amount of \$630,000 for development of the PROJECT that was fully funded by the CCC at its March 9, 2022 hearing. BEACON was listed as a partnering agency in the LCP GRANT application and work plan. The LCP GRANT for the PROJECT was signed by CCC and the City on June 21, 2022 and amended in 2025, collectively herein referred to as "LCP GRANT AGREEMENT" and is included as ATTACHMENT 1.

Section II subsection 3 is deleted in its entirety and replaced with:

To limit the total compensation to BEACON for all services provided pursuant to this Agreement to \$525,000 as outlined in ATTACHMENT 1 Exhibit A.

Section III subsection 1 is deleted in its entirety and replaced with:

BEACON shall commence performance upon approval of this Agreement by both parties and end performance upon completion, but no later than December 31, 2027 unless otherwise directed by City or BEACON's Board, or unless earlier terminated. In the case of a conflict between this Section and ATTACHMENT 1, this Section 1 shall control.

Section III subsection 7.A. "Termination" is deleted in its entirety and replaced with:

Unless this Agreement is extended pursuant to Section III, paragraph 5, this Agreement shall terminate upon the earlier of the completion of the PROJECT or the expiration of LCP GRANT AGREEMENT, which presently is set to expire December 31, 2027.

Agreement ATTACHMENT 1 Exhibit A "Scope of Work" is deleted and replaced in its entirety as attached hereto and incorporated herein by this reference.

Agreement ATTACHMENT 1 Exhibit B "Budget" is deleted and replaced in its entirety as attached hereto and incorporated herein by this reference.

Ratifications. The terms and provisions set forth in this Amendment No. 1 shall modify and supersede all inconsistent terms and provisions set forth in the Agreement. The terms and provisions of the Agreement, except as expressly modified and superseded by this Amendment No. 1 are ratified and confirmed and shall continue in full force and effect, and shall continue to be legal, valid, binding, and enforceable obligations of the parties.

Counterparts. This Amendment No. 1 may be executed in several counterparts, all of which taken together shall constitute a single agreement between the parties.

IN WITNESS WHEREOF, this Amendment was executed by the Parties hereto and shall be effective as of September 19, 2025.

Beach Erosion Authority for Clean
Oceans and Nourishment

City of Santa Barbara
A Municipal Corporation


By: _____
Chair

By: _____

Date: _____

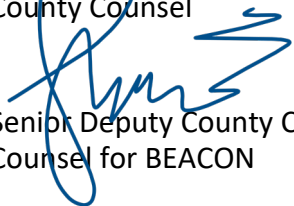
Date: _____

ATTEST:

By: 

Marc Beyeler
Executive Director, BEACON

Approved as to Form:
Rachel Van Mullem
County Counsel

By: 
Senior Deputy County Counsel
Counsel for BEACON

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ATTACHMENT 1

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: Alelia Parenteau, Acting Sustainability and Resilience Director
Address: 455 Market St. Suite 300 San Francisco, CA 94105	Address: 616 Laguna Street Santa Barbara, CA 93101
Phone: (415) 904-2335	Phone: (805) 564-5474
Email: kelsey.ducklow@coastal.ca.gov	Email: AParenteau@SantaBarbaraCA.gov

3. Primary project contact:

State Agency: California Coastal Commission	Grantee: City of Santa Barbara
Section/Unit: Statewide Planning Unit	Section/Unit: Sustainability and Resilience Department
Name: Karen Vu (Grant Coordinator)	Name: Melissa Hetrick, Acting Energy and Climate Manager
Address: 455 Market St. Suite 300 San Francisco, CA 94105	Address: 616 Laguna Street Santa Barbara, CA 93101
Phone: (415) 904-5268	Phone: 805-897-2590
Email: karen.vu@coastal.ca.gov	Email: MHetrick@SantaBarbaraCA.gov

EXHIBIT A

SCOPE OF WORK

City of Santa Barbara

Regional Coastal Adaptation Monitoring Program

Federal Tax ID#: 95-6000-787

Budget Summary:

CCC funding:	\$630,000
<u>Other funding:</u>	<u>\$66,000</u>
Total project cost:	\$696,000

Term of Project: June 1, 2022 (or grant agreement execution date) – December 31, 2026

A. PROJECT DESCRIPTION

This project will involve development of a Regional Coastal Adaptation Monitoring Program for the BEACON coast, encompassing Santa Barbara and Ventura Counties, to provide consistent data and analysis to implement sea-level rise adaptation plans in the region. The objectives of the program are to provide local management agencies with the information needed to assess if changed conditions warrant new adaptation approaches and if implementation actions are resulting in regional resilience benefits or impacts. Establishing a regional scope for the monitoring program will encourage coordinated adaptation responses across jurisdictions. It will also be designed as a transferable program that could be adopted and replicated in other coastal regions and jurisdictions in California.

To the extent feasible, the monitoring program will utilize existing monitoring efforts and datasets (e.g., USGS and NOAA monitoring data), but would present that data in a manner that efficiently and effectively informs decision making. The program will be designed to be cost effective and targeted to only those parameters necessary so as to ensure monitoring efforts continue into the long-term and are focused on regional-level climate and sea-level rise adaptation. The type of monitoring parameters that will be explored for inclusion in the program include physical attributes, such as sea levels, shoreline position, and bluff position, as well as social attributes, such as inventorying the parcels and socioeconomic status of census tracts affected by flooding events. The program will be developed through a stakeholder process involving representatives from multiple jurisdictions within Santa Barbara and Ventura Counties and a science advisory team led by members of the BEACON Science Advisory Committee in addition to outside technical advisors. A robust public outreach and comment process will occur on the Draft Regional Coastal Adaptation Monitoring Plan.

Counties and a science advisory team led by members of the BEACON Science Advisory Committee in addition to outside technical advisors. A robust public outreach and comment process will occur on the Draft Regional Coastal Adaptation Monitoring Plan.

Following development of the Monitoring Plan, select pilot monitoring will be conducted. At the conclusion of the monitoring period, a monitoring results report will be prepared. The science advisory team and agency stakeholder group will then reconvene to examine the lessons learned from the monitoring and prepare revisions to the Monitoring Plan accordingly. The City of Santa Barbara will then prepare an amendment to the City's fully certified Local Coastal Program (LCP) to incorporate the final monitoring protocols into the City's Coastal Land Use Plan.

B. TASKS

Task 1: Grant and Project Management

This task is for general project management, development of request for proposals, management of consultant contracts, administration of grant agreements and records, invoicing, and submittal of requests for funds and grant progress reports.

Subtasks:

1.1 Grant management: progress report submittals and request for funds

1.2 Project management: management of consultants, scope of work, budget, outreach processes, and overall project work

Deliverables: All grant submittals, invoicing, and progress reports

Task 2: Development of Regional Coastal Adaptation Monitoring Plan

BEACON, with the assistance of a chosen consultant, will manage the creation of a Regional Coastal Adaptation Monitoring Plan. The process for development of the Monitoring Plan will include a science advisory team and agency stakeholder group including representatives throughout Santa Barbara and Ventura Counties and CCC staff. The process will commence with development of joint goals for the program and an assessment of stakeholders' monitoring needs related to adaptation planning, implementation of adaptation projects, and assessment of adaptation project impacts and benefits. The team will evaluate various existing monitoring datasets and programs at the local, regional, state, and federal level. Monitoring parameters for the program will then be analyzed with respect to their effectiveness at implementing the goals of the project, costs, and ease of implementation. Parameters to be explored include physical attributes such as groundwater levels, sea levels, shoreline position, and bluff position, and social attributes such as the parcels and socioeconomic status of census tracts affected by flooding events. A Public Draft Monitoring Plan will then be prepared that includes clear goals and outcomes of the monitoring program and identifies, in detail, chosen monitoring protocols and data sources, methods of monitoring, and frequency and timing of monitoring to be conducted. The plan will also outline the parameters for pilot monitoring to be conducted under Task 3.

The Public Draft Regional Coastal Adaptation Monitoring Plan will be released on the project website and outreach will be targeted to regulatory agencies, funding partners, BEACON members and stakeholders, and others who will support or rely on the information produced by this effort. CCC staff will review the Public Draft Plan concurrently with the other regulatory agencies to streamline the project schedule. Revisions to the plan will then be made based on CCC staff and public comments and a Final Draft Regional Coastal Adaptation Monitoring Plan will be prepared.

Subtasks:

2.1 Finalize plan development scope of work: identify resource needs for project, consultant needs, and assignment of work duties.

2.2 Assemble and organize technical review panel: technical review panel will include the Science Advisory Team and possibly additional technical expertise from consultants.

2.3 Identify and compile agency stakeholder group

2.4 Project work sessions: work sessions will include technical and stakeholder teams to scope out goals and parameters of plan.

2.5 Develop Administrative Draft and Public Draft Regional Coastal Adaptation Monitoring Plan

2.6 Public outreach and comment on Public Draft Monitoring Plan, including concurrent 4-week CCC staff review of draft

2.7 Prepare Final Draft Regional Coastal Adaptation Monitoring Plan

Deliverables: Administrative Draft, Public Draft, and Final Draft Regional Coastal Adaptation Monitoring Plan

Task 3: Pilot Monitoring Project(s)

Following public review of the Draft Regional Coastal Adaptation Monitoring Plan, which will include the specific recommended pilot monitoring project(s), a draft Pilot Monitoring Study Plan will be developed to further detail the pilot project(s) scope, schedule, and implementation. The pilot project(s) may include developing a demonstration RCAMP Monitoring Report framework that would serve as the foundation for the regularly updated report, developing a new shoreline data analysis and monitoring framework in partnership with the USGS, and other pilot projects identified through the engagement process. After pilot project(s) implementation, a draft monitoring results report will be prepared that will serve as an example of regular monitoring results reports to be delivered in the future. Following CCC staff review, a final Pilot Monitoring Results Report will be prepared.

Subtasks:

3.1 ~~Identify and evaluate pilot project site locations~~ Develop Pilot Monitoring Study Plan

3.2 Implement pilot monitoring

3.3 Prepare Draft Pilot Monitoring Results Report and 4-week CCC staff review

3.4 Prepare Final Pilot Monitoring Results Report

Deliverables: Draft and Final Pilot Monitoring Results Report

Task 4: Revised Protocols

Following pilot monitoring, the science advisory team and agency stakeholder group will be reconvened to examine the lessons learned from the pilot monitoring and to recommend refinements to the monitoring protocols in the Final Draft Regional Coastal Adaptation Monitoring Plan and identify any further needs for the program. Based on this analysis, a revised Final Regional Coastal Adaptation Monitoring Plan will be prepared.

Subtasks:

4.1 Reassess Final Draft Monitoring Plan: reassess Final Draft Monitoring Plan from task 2.7 based on monitoring results.

4.2 Prepare revised Final Regional Coastal Adaptation Monitoring Plan with 4-week CCC staff review

Deliverables: Final Regional Coastal Adaptation Monitoring Plan

Task 5: Local Coastal Program Amendment

This task includes preparation of a Draft LCP Amendment to incorporate the Regional Coastal Adaptation Monitoring Plan into the City of Santa Barbara Coastal Land Use 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:

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

5.2 Public release of Draft LCP Amendment

5.3 Revisions and release of Final Draft LCP Amendment

5.4 Planning Commission and City Council review of Final Draft LCP Amendment

5.5 Submittal of LCP Amendment to CCC for review

Deliverables: Draft and Final Draft Local Coastal Program Amendment-Regional Coastal Adaptation Monitoring Program

C. SCHEDULE

Project start/end dates: 6/1/22 (or grant agreement execution date) – 12/30/26

Task 1. Grant and Project Management	6/1/22 – 12/30/26 12/31/27
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1.1 Grant management	6/1/22 – 12/30/26 12/31/27
1.2 Project management	6/1/22 – 12/30/26 12/31/27
Deliverables: a. All grant submittals, invoicing, and progress reports	Ongoing
Task 2. Development of Regional Coastal Adaptation Monitoring Plan	6/1/22 – 10/13/25
2.1 Finalize plan development scope of work	6/1/22 – 8/1/22
2.2 Assemble and organize technical review panel	6/1/22 – 8/1/22
2.3 Identify and compile agency stakeholder group	6/1/22 – 10/1/22
2.4 Project work sessions	7/1/22 – 1/1/23
2.5 Develop Administrative Draft and Public Draft Regional Coastal Adaptation Monitoring Plan with 4-week CCC staff review of draft	10/1/22 – 10/1/23 8/13/25
2.6 Public outreach and comment on Public Draft Monitoring Plan, including concurrent 4-week CCC staff review of draft	11/1/23 – 12/30/23 8/14/25 – 9/12/25
2.7 Prepare Final Draft Regional Coastal Adaptation Monitoring Plan	12/30/23 – 1/30/24 9/13/25 – 11/19/25
Deliverables: a. Administrative Draft Regional Coastal Adaptation Monitoring Plan b. Public Draft Regional Coastal Adaptation Monitoring Plan c. Final Draft Regional Coastal Adaptation Monitoring Plan	9/1/23 9/5/24 11/1/23 8/13/25 1/30/24 11/19/25
Task 3. Pilot Monitoring Project(s)	8/1/23 – 6/30/26 11/19/25 – 4/9/27
3.1 Identify and evaluate pilot project site locations Develop Pilot Monitoring Study Plan	8/1/23 – 2/30/24 11/19/25 – 1/13/26
3.2 Implement pilot monitoring	2/30/24 – 2/30/26 1/14/26 – 11/8/26
3.3 Prepare Draft Pilot Monitoring Results Report including 4-week CCC staff review	5/30/26 11/9/26 – 2/26/27
3.4 Prepare Final Pilot Monitoring Results Report	6/30/26 2/27/27 – 4/9/27
Outcome/Deliverables: a. Pilot Monitoring Study Plan b. Draft Pilot Monitoring Results Report c. Final Pilot Monitoring Results Report	 a. 1/13/26 b. 4/30/26 1/28/27 c. 6/30/26 4/9/27
Task 4. Revised Protocols	2/30/26 – 8/30/26 4/10/27 – 8/31/27
4.1 Reassess Final Draft Monitoring Plan	2/30/26 – 4/30/26 4/10/27 – 6/22/27

4.2 Prepare Revised Final Regional Coastal Adaptation Monitoring Plan including 4-week CCC staff review	7/30/26 6/23/27 – 8/31/27
Outcome/Deliverable: a. Final Regional Coastal Adaptation Monitoring Plan	8/30/26 8/31/27
Task 5. Local Coastal Program Amendment	1/1/26 – 12/30/26 9/1/27 – 12/31/27
5.1 Development of Draft LCP Amendment with CCC consultation and 4-week CCC staff review	1/1/26 – 7/30/26 9/1/27 – 10/19/27
5.2 Public release of Draft LCP Amendment	8/30/26 – 9/30/26 10/20/27 – 11/4/27
5.3 Revisions and release of Final Draft LCP Amendment	9/30/26 – 10/30/26 11/5/27 – 11/12/27
5.4 Planning Commission and City Council review of Final Draft LCP Amendment	10/30/26 – 12/30/26 11/13/27 – 12/30/27
5.5 Submittal of LCP Amendment to CCC for review	12/30/26 12/31/27
Deliverable: a. Draft LCP Amendment-Regional Coastal Adaptation Monitoring Program b. Final LCP Amendment -Regional Coastal Adaptation Monitoring Program	a. 6/30/26 9/15/27 b. 12/30/26 12/31/27

D. BENCHMARK SCHEDULE

ACTIVITY	COMPLETION DATE
Public Draft Regional Coastal Adaptation Monitoring Plan	11/1/23 8/13/25
Final Draft Regional Coastal Adaptation Monitoring Plan	1/30/24 11/19/25
Draft Pilot Monitoring Results Report	4/30/26 1/28/27
Final Pilot Monitoring Results Report	6/30/26 4/9/27
Revised Final Regional Coastal Adaptation Monitoring Plan	8/30/26 8/31/27
Final LCP Amendment	12/30/26 12/31/27

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ATTACHMENT 1

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 – Grant and Project Management	\$75,000 \$80,000	\$35,000	\$110,000 \$115,000
Task 2 – Development of Regional Coastal Adaptation Monitoring Plan	\$0	\$0	\$0
Task 3 – Pilot Monitoring Project(s)	\$0	\$0	\$0
Task 4 – Revised Protocols	\$0	\$0	\$0
Task 5 – LCP Amendment	\$20,000	\$10,000	\$30,000
Total Labor Costs	\$95,000 \$100,000	\$45,000	\$140,000 \$145,000
DIRECT COSTS			
County/City Staff Project Supplies			
Printing and Noticing	\$10,000 \$5,000	\$0	\$10,000 \$5,000
Pilot Monitoring Project Supplies	\$50,000 \$0	\$0	\$50,000 \$0
Total	\$60,000 \$5,000	\$0	\$60,000 \$5,000
County/City Staff Travel in State²			
Mileage	\$0	\$0	\$0
Hotel, etc.	\$0	\$0	\$0
Total	\$0	\$0	\$0
Consultants³/Partners			
Task 1 – Grant and Project Management	\$75,000 \$62,295	\$0	\$75,000 \$62,295
Task 2 – Development of Regional Coastal Adaptation Monitoring Plan	\$225,000 \$237,705	\$0	\$225,000 \$237,705
Task 3 – Pilot Monitoring Project(s)	\$150,000 \$200,000	\$0	\$150,000 \$200,000
Task 4 – Revised Protocols	\$25,000	\$0	\$25,000
Task 5 – LCP Amendment	\$0	\$0	\$0
Consultants Total	\$475,000 \$525,000	\$0	\$475,000 \$525,000
Total Direct Costs	\$530,000	\$0	\$530,000

<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>
OVERHEAD/INDIRECT COSTS¹			
Total County/City Staff Overhead/Indirect Costs	\$0	\$21,000	\$21,000
TOTAL PROJECT COST	\$630,000	\$66,000	\$696,000

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."

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ITEM 5D

ATTACHMENT II

RCAMP - Agreement with United States Geological Survey (USGS)

COLLABORATIVE AGREEMENT

This Collaborative Agreement (“Agreement”) is entered into by and between the U.S. Geological Survey (USGS), a bureau of the Department of the Interior, through the offices of its Pacific Coastal and Marine Science Center, Santa Cruz, California (PCMSC), hereinafter referred to as the “USGS” and Beach Erosion Authority for Clean Oceans and Nourishment (BEACON), located in Ventura and Santa Barbara, California, hereinafter referred to as “BEACON” or “BEACON”. USGS and BEACON are sometimes herein referred to as a “Party” and collectively as the “Parties.” Any inconsistency between the standard terms of Articles 1 through 21 of this Agreement and any attachments to this Agreement shall be resolved by giving precedence to Articles 1 through 21.

Whereas, the USGS is authorized to perform collaborative work and prosecute projects in cooperation with other agencies, Federal, State or private, pursuant to 43 USC §36c; and

Whereas, the USGS is authorized to receive payments in arrears from any Tribe, State, Territory, possession, or political subdivision by 43 USC §50b; and

Whereas, the USGS has a mission in Coastal and Marine Hazards and Resources and has need of shoreline position and change data and/or materials on the patterns, rates and causes of coastal erosion to support this mission; and

Whereas, BEACON has responsibilities for regional sediment management and regional-level coastal erosion adaptation planning and coordination and has need of USGS expertise in shoreline change patterns, rates and causes within and across the Santa Barbara Littoral Cell; and

Whereas, the Project entitled *Data to Support Coastal Management and Adaptation in the Santa Barbara Littoral Cell, California* is intended by the Parties to be mutually beneficial and to benefit the people of the United States;

Now, therefore, the Parties hereto agree as follows:

1. Statement of Work.

See the attached Statement of Work (SOW) (Attachment A), incorporated by reference herein.

2. Principal Investigator.

The USGS principal investigator (PI) for this Project is Dr. Jonathan A. Warrick, 831-566-7206, jwarrick@usgs.gov, and USGS Pacific Coastal and Marine Science Center, 2885 Mission St., Santa Cruz, CA 95060. The PI for the BEACON is Marc Beyeler, 510-316-6095, beyeler@beacon.ca.gov, and 26416 Mulholland Highway, Calabasas, CA 91302. In the event that a PI is unable to continue in this Project, the sponsoring agency will make every effort to provide a replacement acceptable to the other Party.

3. Title to Equipment.

There will be no joint property purchased as a result of the collaborative effort outlined in the SOW. Each Party will provide its own equipment necessary to support its participation in the



SOW.

4. Term.

The collaborative effort contemplated by this Agreement will commence on the effective date of this Agreement. The effective date of this Agreement shall be the later date of (1) 8/1/2025 or (2) the date of the last signature by the Parties. The expiration date of this Agreement shall be 9/30/2026.

5. Funding/Resource Share.

(a) The BEACON will provide an estimated \$105,000 in funds-in to the Project. The BEACON is providing in-kind services and or resources with an estimated value of: \$24,000.

(b) If the BEACON is a non-governmental organization, the USGS requires an advance of Not Applicable.

(c) This agreement has been negotiated to be paid based on expenses incurred. The USGS will submit invoices to the BEACON's administrative contact, identified in Article 9, on a quarterly basis. Invoices not paid within 60 days from date of bill for Tribal, State, and local government customers will bear Interest, and other fees required by Federal Law, at the annual rate pursuant the Debt Collection Act of 1982, (codified at 31 U.S.C. § 3717) established by the U.S. Treasury.

(d) The USGS is providing in-kind services and or resources with an estimated value of: \$12,000 to the Project. These contributions will consist of the value of salary and benefits of the USGS PI.

6. Amendments/Termination.

This Agreement can be changed or amended only by a written instrument signed by the Parties. This Agreement may be terminated by either Party on thirty (30) days written notice to the other Party. In the event of an early termination, USGS shall be reimbursed for any completed work or work in progress on the effective date of termination (i.e., when the Agreement actually terminates following the receipt of written notice from the other Party). Any unspent advanced funds will be returned to BEACON. The USGS shall provide a copy of the outcomes completed as of the effective date of termination in the event of an early termination of the Agreement.

7. Scientific Information/Data.

Each Party is free to publish the information and data developed in the performance of the statement of work (SOW) and data management plan (DMP). Before a Party submits the information and data for publication or otherwise intends to publicly release or disclose scientific information and data that is jointly developed, the other Party will be provided thirty (30) days for review of the proposed release or disclosure, prior to submission for publication. The Parties acknowledge that scientific information and data developed as a result of the SOW are subject to applicable [USGS Fundamental Science Practices \(FSP\)](#) review, approval, and release requirements, which are available in [Survey Manual Chapter \(SMC\) 502.4, Fundamental Science Practices: Review, Approval, and Release of Information Products](#). The USGS is required to provide timely public access to the results of scientific information and data that does not contain sensitive protected information. Data and associated metadata will be open format and publicly



accessible. The data and metadata will also be open access and machine readable in accordance with USGS FSP requirements available in [SMC 502.7, Fundamental Science Practices: Metadata for USGS Scientific Information Products Including Data](#) and [SMC 502.8, Fundamental Science Practices: Review and Approval of Scientific Data for Release](#).

8. (Reserved)

9. Notices.

Any notice required to be given or which shall be given under this Agreement shall be in writing and delivered by first-class mail to the Parties as follows:

USGS Technical:

Dr. Jonathan A. Warrick
USGS Pacific Coastal and Marine Science Center
2885 Mission St.
Santa Cruz, CA 95060
jwarrick@usgs.gov
831-566-7206
<https://www.usgs.gov/pacific-coastal-and-marine-science-center>

USGS Administrative:

Nadine Golden
USGS Pacific Coastal and Marine Science Center
2885 Mission St.
Santa Cruz, CA 95060
ngolden@usgs.gov
[831-460-7530]

BEACON Technical:

Marc Beyeler
26416 Mulholland Highway
Calabasas, CA 91302
beyeler@beacon.ca.gov
510-316-6095
<https://beacon.ca.gov/>

BEACON Administrative:

Marc Beyeler
26416 Mulholland Highway
Calabasas, CA 91302
beyeler@beacon.ca.gov
510-316-6095

BEACON Financial Information:

Gerald Comati
1943 Grand Ave.



Santa Barbara, CA 93103
comati@beacon.ca.gov
805-962-0488
DUNS No. 117328818, ax No. 77-0557953

10. Independent Organization.

For purposes of this Agreement and all research and services to be provided hereunder, each Party shall be, and shall be deemed to be, an independent Party and not an agent or employee of the other Party. Each Party shall have exclusive control over its employees in the performance of the SOW. While in field locations, a Party's employees must adhere to the safety and technical requirements imposed by the Party controlling the work site.

Neither Party has authority to make any statements, representations, or commitments of any kind, or take any action, which shall be binding on the other Party, except as may be explicitly provided for herein or authorized in writing. Neither Party has authority to use the name of the other in advertising or in other forms of publicity without the written permission of the other.

11. Governing Law.

(a) This Agreement is subject to interpretation under State and Federal law. If there is inconsistency between the laws, then Federal law is controlling. Each Party agrees to be responsible for the activities, including the negligence, of their employees. Responsibility of the USGS for the payment of claims for loss of property, personal injury, or death caused by the negligence or wrongful act or omission of a USGS employee, while acting within the scope of their employment, is limited to provisions of the Federal Tort Claims Act, 28 USC §§ 2671-80. USGS warrants that it is self-insured for the purposes of Worker's Compensation.

(b) The USGS and the BEACON make no express or implied warranty as to the conditions of the research, merchantability or fitness for a particular purpose of the research, data, or resulting product incorporating data developed and exchanged under the SOW.

12. Force Majeure. Neither Party shall be held liable for any unforeseeable event beyond its control, not caused by the fault or negligence of such Party, which causes such Party to be unable to perform its obligations under this Agreement, and which it is unable to overcome by the exercise of due diligence including, but not limited to, flood, drought, earthquake, storm, fire, pestilence, lightning, and other natural catastrophes; epidemic, war, riot, civil disturbance, or disobedience; strikes, labor disputes, or failure, threat of failure, or sabotage; or any order or injunction made by a court or public agency. In the event of the occurrence of such a force majeure event, the Party unable to perform must promptly notify the other Party. It shall further use its best efforts to resume performance as quickly as possible and shall suspend performance only for such period of time as is necessary as a result of the force majeure event.

13. Entire Agreement.

This Agreement contains all of the terms of the Parties and supersedes all prior Agreements and understandings related thereto. Due to the specialized nature of the collaborative work, this Agreement is non-assignable by both Parties.

14. Disputes.

The signatories to this Agreement shall expend their best efforts to amicably resolve any dispute that may arise under this Agreement. Any dispute that the signatories are unable to resolve shall be submitted to the Director of the USGS or his/her designee and the Executive Director of the BEACON or his/her designee for resolution.

15. Miscellaneous Provisions.

Pursuant to the Anti-Deficiency Act, 31 U.S.C. §1341 (a)(1), nothing herein contained shall be construed as binding the USGS to expend in any one fiscal year any sum in excess of its appropriations or funding in excess of what it has received for the collaborative work outlined in the SOW.

16. Survivability.

The following provisions shall survive the termination of this Agreement: 7. Publications/Reports/Data, and 14. Disputes.

17. Nondiscrimination.

During the performance of this Agreement, USGS and its subcontractors shall not unlawfully discriminate, harass, or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, physical disability (including HIV and AIDS), mental disability, medical condition (e.g., cancer), age (over 40), marital status, and denial of family care leave. USGS and subcontractors shall ensure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment. USGS and subcontractors shall comply with the provisions of the Fair Employment and Housing Act (Cal. Gov. Code § 12990 (a-f) et seq.) and the applicable regulations promulgated thereunder (California Code of Regulations, Title 2, Section 7285 et seq.). The applicable regulations of the Fair Employment and Housing Commission implementing California Government Code Section 12990 (a-f), set forth in Chapter 5 of Division 4 of Title 2 of the California Code of Regulations, are incorporated into this Agreement by reference and made a part hereof as if set forth in full. USGS and subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreement. USGS shall include the nondiscrimination and compliance provisions of this clause in all subcontracts to perform work under the Agreement.

18. Travel Reimbursement.

BEACON will reimburse travel and related expenses at actual costs not to exceed the State rates provided in Title 2, Division 1, Chapter 3, Subchapter 1, Article 2 of the California Code of Regulations. USGS may seek reimbursement for any travel expenses that are in excess of these state rates, but only if the USGS has received *prior* written approval from BEACON permitting the expenses in excess of state rates on the basis that state rates were not reasonably available. Reimbursement for the cost of operating a private vehicle shall not, under any circumstance, exceed the current rate specified by the State of California for unrepresented state employees as of the date the cost is incurred. Receipts will be required for all travel related reimbursements. All travel costs are inclusive within the total amount referenced in this Agreement. USGS shall ensure that travel and related expenses, including any of USGS's subcontractors travel and related expenses, submitted to the Commission for reimbursement, do not exceed the State rates provided in Title

2, Division 1, Chapter 3, Subchapter 1, Article 2 of the California Code of Regulations, unless prior written approval permitting the expenses to be in excess of state rates was obtained, as noted above.

19. Prevailing Wage.

USGS agrees to comply with California Labor Code Section 1771 regarding the payment of prevailing wages and the labor compliance program as outlined in the California Labor Code Section 1771, as applicable.

20. Records, Audit, And Review.

USGS shall keep such business records pursuant to this Agreement as would be kept by a reasonably prudent practitioner of USGS's profession and shall maintain such records for at least three (3) years following the termination of this Agreement. All accounting records shall be kept in accordance with generally accepted accounting practices. BEACON, the City of Santa Barbara, and the State of California (State) shall have the right to interview staff and audit and review all such documents and records at any time during USGS's regular business hours or upon reasonable notice. In addition, if this Agreement exceeds ten thousand dollars (\$10,000.00) USGS shall be subject to the examination and audit of the State Auditor General for a period of three (3) years after final payment under the Agreement (Cal. Govt. Code Section 8546.7). USGS shall participate in any audits and review, whether by BEACON, City, or the State, at no charge to BEACON.

21. Acknowledgement.

In order to acknowledge the California Coastal Commission's ("Commission") support of the project, the Commission's name and logo shall be included in a prominent location in all materials related to the Local Coastal Plan Grant Project, including, but not limited to: reports or website postings about the grant program; draft and final work products, such as vulnerability assessments, adaptation plans, land use plans and implementation plans; and public outreach-related materials, including workshop announcements, press releases, contacts with the media, signage, invitations, and other media-related and public outreach products. Less formal materials, such as stakeholder participation rosters and outreach agendas, do not need to include acknowledgement of Commission support.

The USGS shall include in any agreement with any subcontractor under the Local Coastal Plan Grant Program terms that preserve the rights, interests, and obligations created by this section, and that identify the Commission as third-party beneficiaries of those provisions. The Commission shall have the right to republish any material generated as a result of this Agreement.

22. Indemnity

In lieu of and notwithstanding the pro rata risk allocation which might otherwise be imposed between the Parties pursuant to California Government Code Section 895.6, the parties agree that all losses or liabilities incurred by a Party shall not be shared pro rata but instead all Parties agree that pursuant to California Government Code Section 895.4, each of the Parties hereto shall fully indemnify and hold each of the other Parties, their officers, board members, employees and agents, harmless from any claim, expense or cost, damage or liability imposed for injury (as defined by California Government Code Section 810.8) occurring by reason of the negligent acts or omissions or willful misconduct of the indemnifying party, its officers, board members,



employees or agents, under or in connection with or arising out of any work, authority or jurisdiction delegated to such party under this Agreement. No Party, nor any officer, board member, employee or agent thereof shall be responsible for any damage or liability occurring by reason of the negligent acts or omissions or willful misconduct of other parties hereto, their officers, board members, employees or agents, under or in connection with or arising out of any work, authority or jurisdiction delegated to such other Parties under this Agreement.

[This area intentionally left blank. Signatures on following page.]



IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed on the last date listed below.

ACCEPTED AND AGREED

The USGS signatory certifies that:

- The USGS signatory is consistent with the delegations of authority to sign agreements, [SM 205.13](#).
- The BEACON is a U.S. owned organization.
- The COI form has been coordinated with the Ethics Office, as applicable.
- This Collaborative Agreement contains standard terms only or, if it contains non-standard terms, it was sent to OPA for review.

U.S. GEOLOGICAL SURVEY

BEACON

By: _____

By: _____

Name: Louis Licate

Name: _____

Title: Director, PCMSC

Title: Chair, Beacon, Board of Directors

Date: _____

Date: _____

Attachment A: Statement of Work between USGS and BEACON

I. Objectives or Specific Aims

The collaborative effort proposes to develop better understanding of the patterns, rates and locations of coastal changes from the processing and publication of existing datasets to inform sediment management activities and coastal management actions.

II. Term and Proposed Project Schedule/Milestones

The collaborative effort summarized in this agreement will commence on the effective date of this Agreement. The effective date of this Agreement shall be the later date of (1) August 1, 2025 or (2) the date of the last signature by the Parties. The expiration date of this Agreement shall be September 30, 2026.

III. BEACON's Role and Expertise

Specific BEACON Tasks

BEACON will provide contact and project management, coordination of final project designs, and outreach and engagement with the member agencies represented under BEACON's California Joint Powers Authority (Executive Director, Marc Beyeler and BEACON staff) to facilitate information transfer from this collaborative effort to the parks, planning and public works departments of BEACON's member agencies.

IV. USGS' Role and Expertise

Specific USGS Tasks

Staff of the USGS will be responsible for the data processing, publication and synthesis of results from field-based coastal surveys within the Santa Barbara Littoral Cell (SBLC; Santa Maria River Mouth, California to Point Mugu, California) and satellite-derived imagery of shoreline positions in the SBLC. These data will be published using the USGS Fundamentals of Science Practices (FSP; <https://www.usgs.gov/office-of-science-quality-and-integrity/fundamental-science-practices>) and a synthesis memo and presentation will be provided from USGS to BEACON describing the uncertainty and completeness of each data set, with the goal of informing BEACON about the potential for application of these data sets for understanding and planning for coastal change.

V. Anticipated Outcomes/Expected Results (Joint Outcomes and Results)

USGS:

- a. Topographic and bathymetric data for USGS surveyed transects along the coast of the Santa Barbara Littoral Cell study area.
- b. Shoreline position data for available Landsat and Sentinel-2 satellite imagery spanning 1984-2025 along the Santa Barbara Littoral Cell study area. Data output along transects spaced every 50 m along the coast.
- c. A synthesis memo and presentation from USGS to BEACON describing the



uncertainty and completeness of each data set, with the goal of informing BEACON about the potential for application of these data sets for understanding and planning for coastal change.

Joint Outcomes and Results:

The goal of the program is to develop a regional understanding for the availability and utility of data to track shoreline change patterns and rates across the Santa Barbara Littoral Cell study area.

Budget and Resources Worksheet:

Cost Activity Funded by BEACON	Required Amount
Personnel labor cost for study conduct, analysis and report generation, completed by USGS; funded by BEACON	\$66,300
Materials or supplies to be purchased by USGS; funded by BEACON	
Equipment to be purchased by USGS; funded by BEACON	
USGS indirect costs; funded by BEACON	\$38,700
USGS travel; funded by BEACON	
Projected Total (funds to USGS, from BEACON)	\$105,000

Cost Activity Funded by USGS	Required Amount
Personnel labor cost for study conduct, analysis and report generation; completed by USGS	\$12,000
Materials or supplies purchased by USGS	
Equipment purchased by USGS	
USGS travel	
Projected Total	\$12,000

Estimated Grand Total Project Resources: \$117,000

Attachment A (Continued)
Statement of Work
USGS-BEACON Collaborative Agreement

Tasks and Deliverables

Task 1 – Data Processing and Publication of Coastal Topographic and Bathymetric Surveys. The USGS has regularly surveyed the coast of the Santa Barbara Littoral Cell since 2005. This task will ensure all survey data is processed and published using the USGS Fundamental Science Practices.

Deliverable: Published USGS data product providing topographic and bathymetric survey data from USGS surveys.

Deliverable Timing: 9 months from the effective date of this Agreement

Task 2 – Satellite-Derived Shorelines (SDS). The USGS has pioneered the use of SDS for measuring coastal change in California. Current SDS data available for the Santa Barbara Littoral Cell (SBLC) from the CoastSat database does not include the western and northern portions of this littoral cell. This task will produce SDS data for the entire SBLC from Shell Beach to Pt. Mugu at 50 m transect spacing over the full range of available Landsat and Sentinel-2 satellite imagery (1984-2025). Workflow will follow standard procedures established and published for the USGS CoastSeg analysis tool (Fitzpatrick et al., 2024; Janda et al., 2025)

Deliverable: Published USGS data product providing shoreline positions for Santa Barbara Littoral Cell transects from satellite source data.

Deliverable Timing: 9 months from the effective date of this Agreement

Task 3 – Synthesis and Summary of Coastal Data. This task will compare the coastal data generated in tasks 1 and 2 along with other available data (lidar, USGS historic shorelines). The summary will focus on uncertainty and completeness of each data set, with the goal of informing BEACON about the potential for application of these data sets for understanding and planning for coastal change. Results will be communicated in a presentation and memo to BEACON.

Deliverable: USGS Presentation to BEACON including a memo summarizing findings.

Deliverable Timing: 12 months from the effective date of this Agreement



References Cited

Fitzpatrick, S., D. Buscombe, J. Warrick, M.A. Lundine, K. Vos, 2024, CoastSeg: An accessible and extendable hub for satellite-derived-shoreline (SDS) detection and mapping. *Journal of Open Source Software*, doi: 10.21105/joss.06683

Janda, C.N., J. Warrick, D. Buscombe, S. Batiste, 2025, Shoreline change of western Long Island, New York, from satellite-derived shorelines. *Coasts*, doi: 10.3390/coasts5010002

ITEM 5B

ATTACHMENT III

RAMP - Amendment No. 2 with Environmental Science Associates (ESA)

Amendment No. 2
Between
Beach Erosion Authority for Clean Oceans and Nourishment
And
Environmental Science Associates (ESA)

THE AGREEMENT (hereafter, "Agreement") made on September 19, 2025 by and between the BEACH EROSION AUTHORITY FOR CLEAN OCEANS AND NOURISHMENT (hereafter, "BEACON") and ESA-Environmental Science Associates (hereafter, "CONTRACTOR"), individually referred to as Party, or collectively as Parties, is hereby amended ("Amendment No. 2") as follows:

Agreement, Section 4 "Term" is deleted in its entirety and replaced with:

4. **TERM.** CONTRACTOR shall commence performance on December 15, 2022 and end performance upon completion, but no later than September 30, 2027 unless otherwise directed by BEACON or unless earlier terminated.

Agreement, EXHIBIT A: Scope of Services, is amended to add three additional tasks:

Task 3 - RCAMP Pilot Demonstration Report

CONTRACTOR will prepare an RCAMP Pilot Demonstration Report ("Report") with a framework of sections based on the RCAMP Monitoring Plan and prioritization tables. The Report will serve as an example report and partial guide to available data. In addition, the Report will be a framework and partial draft of a regularly updated RCAMP monitoring report (i.e., a RCAMP monitoring report that is updated every two to five years). The Report will include:

- A. Documentation of available data, focusing on the high priority components from the RCAMP Monitoring Plan.
- B. Descriptions of planned/desired data analyses to be performed in the future. Recommended new data collection and additional studies, which will be documented as next steps.
- C. A review of tide gage records for the Santa Barbara and Los Angeles NOAA stations, including coordination with NOAA to confirm datasets, datums, sea level rise rates, and other results from NOAA.
- D. A summary of the U.S. Geological Survey's shoreline data processing, publication, synthesis, and summary, which USGS will perform under a separate contract to BEACON.

The Report will also include a framework and partially complete draft of the following:

- A. A framework, example, and template for future RCAMP Monitoring Reports to build from.
- B. Baseline information on RCAMP Monitoring Plan priority data.
- C. Recommendations of additional data and analysis to include in future Monitoring Reports.
- D. A brief updated assessment of RCAMP Monitoring Plan needs, priorities, and utility.

The data presented in the Report will have a range of topics at different levels of completion based on priorities and available data. The intent is that the Report will be developed into a data synthesis report in successive years.

The budget for this Task 3 includes an allocation of 68 hours to complete the Task 3 Deliverables including a final Report. CONTRACTOR will allocate up to 12 hours in addition to the 68 hours to address one set of consolidated comments on the draft Report. No reorganization of the draft Report structure is included and no new sections will be added for the final Report.

CONTRACTOR will prepare and deliver one virtual stakeholder presentation (with up to two CONTRACTOR staff), allocating up to 8 hours total for preparation and presentation. CONTRACTOR assumes up to two (2) staff will participate in one (1) virtual Stakeholder presentation for the Final Report.

Task 3 Deliverables:

- A. Administrative draft Report for review by BEACON and the City of Santa Barbara including the requirements above (approximate 30-pages memo).
- B. Revised BEACON member/stakeholder draft Report in response to comments.
- C. Revised final Report in response to BEACON member/stakeholder comments.
- D. One (1) virtual stakeholder presentation.

Task 4 - RCAMP Implementation Plan

The prior scope of work for the development of the RCAMP (Task 1) was focused on a technical monitoring plan and did not include the preparation of an RCAMP Implementation Plan. CONTRACTOR will work with BEACON and the City to develop an Implementation Plan memorandum that is up to 10 pages in length as follows:

- A. Research implementation of example programs such as the Regional Water Quality Control Board (RWQCB) and San Francisco Estuary Institute's Regional Monitoring Program for Water Quality in San Francisco Bay, and Southern California Coastal Water Research Project (SCCWRP) programs.
- B. Identify potential groups and contacts that can assist with implementation, including UCSB, CSUCI, USGS, SCCWRP, and SFEI.
- C. Select and meet with up to four groups to discuss implementation options.
- D. Identify funding options such as a programmatic State grant.
- E. Support BEACON and the City to select a plan or options to include in the Implementation Plan.

CONTRACTOR will prepare a RCAMP Implementation Plan to include in the RCAMP Plan, Pilot Monitoring Report, or as a separate document within the time specified below.

The budget for this Task 4 includes an allocation of 38 hours to complete Task 4 Deliverables including a final Implementation Plan. CONTRACTOR will allocate up to 10 hours in addition to the 38 hours to address one set of consolidated comments on the draft Implementation Plan. No reorganization of the draft Implementation Plan structure is included and no new sections will be added for the final Implementation Plan.

Task 4 Deliverables:

- Administrative draft Implementation Plan memorandum for review by BEACON, and the City of Santa Barbara (up to 10 pages in length).
- Revised BEACON member/stakeholder draft Implementation Plan memorandum in response to comments.
- Revised final Implementation Plan memorandum in response to BEACON member/stakeholder comments.

Task 5 – Final Monitoring Plan

CONTRACTOR will update the draft RCAMP Monitoring Plan based on the outcomes from the RCAMP Pilot Demonstration Report (Task 3) and the RCAMP Implementation Plan (Task 4). If necessary, updates will incorporate relevant findings, data sources, priorities, and recommendations from Tasks 3 and 4 into the Monitoring Plan.

The budget for this task includes an allocation of 30 hours to prepare an updated draft Final Monitoring Plan. CONTRACTOR will allocate up to 8 hours in addition to the 30 hours to address one set of consolidated comments on the draft Final Monitoring Plan; no reorganization of the report structure is included. CONTRACTOR will add up to one (1) new section to the Final Monitoring Plan based on the outcomes from Tasks 3 and 4.

CONTRACTOR will prepare and deliver one virtual stakeholder presentation (with up to two CONTRACTOR staff), allocating up to 8 hours total for preparation and presentation. CONTRACTOR assumes up to two (2) staff will participate in one (1) virtual Stakeholder presentation for the Final Monitoring Plan.

Task 5 Deliverables:

- Administrative draft Final Monitoring Plan for review by BEACON, and the City of Santa Barbara
- Revised BEACON member/stakeholder draft Report in response to comments
- Revised Final Monitoring Plan in response to BEACON member/stakeholder comments
- One (1) virtual stakeholder presentation

Task 6 – Project Management

Overall project and contract management duties, meeting attendance, and monthly invoices and progress tracking, will extend through the duration of the contract. Throughout the process, CONTRACTOR will maintain regular communication with BEACON and its partners, incorporating their input as applicable and sharing findings and refinements to maintain alignment with project goals. This task includes:

- A. Kickoff meeting.
- B. Tracking the schedule and budget.
- C. Coordination with USGS.

- D. Attending progress meetings with BEACON, the City of Santa Barbara, and other project partners.
- E. CONTRACTOR Project Manager will be the primary day-to-day contact for BEACON staff and will be available via phone and email and for project meetings and conference calls. CONTRACTOR's Project Manager will be responsible for tracking budget, progress, and schedule, and for notifying BEACON of any contractual issues as they arise.
- F. CONTRACTOR's Project Director will also be actively engaged in project management and oversight of the team effort and technical work products.

Task 6 Deliverables:

- A. Kick-off meeting (virtual)
- B. Monthly Project invoices and progress reports
- C. Project schedule and periodic updates
- D. Progress bi-weekly meetings (virtual)

Assumptions:

- A. All meetings are assumed to be virtual.
- B. CONTRACTOR's estimated budget can accommodate up to eleven (11) progress meetings at one (1) hour duration, or up to twenty-two (22) progress meetings at one-half (0.5) hour duration (approximately bi-weekly). CONTRACTOR can discuss and refine the best way to schedule regular progress meetings with BEACON and its partners.
- C. CONTRACTOR's budget estimates one (1) kickoff meeting with BEACON and its partners, and up to six (6) coordination meetings with USGS up to one (1) hour each.
- D. Typically, progress meetings would include one (1) or two (2) ESA staff, but some instances may warrant participation by up to three (3) ESA staff.
- E. BEACON and the City will provide one set of consolidated comments on all draft deliverables included in this scope of work.

Agreement, EXHIBIT B: PAYMENT ARRANGEMENTS, Section 1 is deleted in its entirety and replaced with:

1. For CONTRACTOR services to be rendered under this Agreement, CONTRACTOR shall be paid a total amount, including cost reimbursements, up to but not to exceed **\$332,705**.

Ratifications. The terms and provisions set forth in this Amendment No. 2 shall modify and supersede all inconsistent terms and provisions set forth in the Agreement and Amendment No. 1. The terms and provisions of the Agreement and Amendment No. 1, except as expressly modified and superseded by this Amendment No. 2 are ratified and confirmed and shall continue in full force and effect, and shall continue to be legal, valid, binding, and enforceable obligations of the parties.

Counterparts. This Amendment No. 2 may be executed in several counterparts, all of which

taken together shall constitute a single agreement between the parties.

IN WITNESS WHEREOF, this Amendment is executed by the Parties hereto and shall be effective as of September 19, 2025.

**Beach Erosion Authority for Clean
Oceans and Nourishment**

By: _____
Chair

Date: _____

ATTEST:

By: _____
Marc Beyeler
Executive Director, BEACON

Approved as to Form:
Rachel Van Mullem
County Counsel

By:  _____
Senior Deputy County Counsel
Counsel for BEACON

**Environmental Science Associates
(CONTRACTOR)**

By: _____

Name: _____

Position: _____

Date: _____

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ITEM 5B

ATTACHMENT IV

**Coastal Access Data Research Project - Amendment No. 1 to the Agreement
with Nate Merrill/Matunuck Research**

Amendment No. 1
Between
Beach Erosion Authority for Clean Oceans and Nourishment
And
Matunuck Research Group LLC

This Agreement (hereafter, "Agreement") made March 2024 by and between the BEACH EROSION AUTHORITY FOR CLEAN OCEANS AND NOURISHMENT (hereafter, "BEACON") and Nathaniel Merrill/Matunuck Research Research Group LLC (Contractor), individually referred to as Party, or collectively as Parties, is hereby amended ("Amendment No. 1") as follows:

Agreement Section 4. "Term" is deleted in its entirety and replaced with:

CONTRACTOR shall commence performance on March 20, 2025 and end performance upon completion, but no later than December 31, 2025 unless otherwise directed by BEACON or unless earlier terminated.

Agreement Exhibit B Payment Arrangements Section A is deleted in its entirety and replaced with:

For CONTRACTOR services to be rendered under this Agreement, CONTRACTOR shall be paid a total amount, including cost reimbursements, up to but not to exceed \$50,000.

Ratifications. The terms and provisions set forth in this Amendment No. 1 shall modify and supersede all inconsistent terms and provisions set forth in the Agreement. The terms and provisions of the Agreement, except as expressly modified and superseded by this Amendment No. 1 are ratified and confirmed and shall continue in full force and effect, and shall continue to be legal, valid, binding, and enforceable obligations of the parties.

Counterparts. This Amendment No. 1 may be executed in several counterparts, all of which taken together shall constitute a single agreement between the parties.

[This area intentionally left blank. Signatures on following page.]

IN WITNESS WHEREOF, this Amendment is executed by the Parties hereto and shall be effective as of September 19, 2025.

Beach Erosion Authority for Clean
Oceans and Nourishment

Matunuck Research Group LLC

By: _____

Chair

By: _____

Nathaniel Merrill

Date: _____

Date: _____

ATTEST:

By: 

Marc Beyeler
Executive Director, BEACON

Approved as to Form:
Rachel Van Mullem
County Counsel

By: 

Senior Deputy County Counsel
Counsel for BEACON

ITEM 5B

ATTACHMENT V

**Amendment 1 to Agreement with Marc Beyeler/Beyeler & Associates for
Executive Director Services**

Amendment No. 1
Between
Beach Erosion Authority for Clean Oceans and Nourishment
And
Beyeler & Associates

This Agreement (hereafter, "Agreement") made March 2024 by and between the BEACH EROSION AUTHORITY FOR CLEAN OCEANS AND NOURISHMENT (hereafter, "BEACON") and Beyeler & Associates ("CONTRACTOR"), individually referred to as Party, or collectively as Parties, is hereby amended ("Amendment No. 1") as follows:

Agreement Attachment 1 "Schedule of Fees" is deleted and replaced in its entirety with:

ATTACHMENT 1

Beyeler & Associates 2025-2026 Rates*

Principal	\$175-\$225/hour
Senior Associates	\$100-\$175/hour
Associates	\$100-\$125/hour
Specialists	Various
Administrative	\$75-\$100/hour
Reasonable Travel and transportation	Billed at cost
Mileage	\$0.54/mile
Copying and printing	Billed at cost

*Any and all rates not listed or appearing in this Attachment 1, shall be agreed to and approved in writing by both Parties prior to CONTRACTOR invoicing.

CONTRACTOR is responsible for providing all tools, vehicles, and equipment necessary to perform the services such as telephones, computers, printers, and computer software which are not subject to reimbursement under this Agreement. Any and all purchase of same, directly and exclusively for BEACON related activities, including specialized meeting, software, or internet or telecommunication services will be separately reimbursed at cost to the CONTRACTOR, consistent with the approved BEACON Budget.

Only incidental minor expenses, including those listed below, shall be reimbursed under this Agreement. All BEACON-related expenses, including those listed in Notes 1 and 2 below, incurred by the CONTRACTOR shall be reimbursed separately, consistent with the approved BEACON Budget.

Mileage ¹	\$0.54 per mile
Copying and printing ¹	Billed at cost
Travel Costs, and Transportation ^{1,2}	Billed at cost
Office supplies ¹	Billed at cost
Postage ¹	Billed at cost

¹Expenses related to Beacon activities, including Educational events, Conferences, Seminars, and BEACON related workshops and meetings, including copying and printing, office supplies, reasonable Travel Costs², registration fees, hotel accommodations, food and meals, and/or mileage (reimbursed at \$0.54 per mile) to

and from such activities are not included under this Agreement. BEACON shall separately reimburse CONTRACTOR for expenses related to these events and activities, consistent with the approved BEACON budget. For Food and Meals only reimbursement rates set forth by the California Department of Human Resources, incorporated herein by reference, (available at: <https://www.calhr.ca.gov/employees/pages/travel-reimbursements.aspx>), as may be periodically updated.

² "Travel Costs" are defined as reimbursement of authorized out-of-pocket expenses that are reasonably, actually, and necessarily incurred as a result of conducting BEACON business. If CONTRACTOR incurs Travel Costs while representing multiple clients, CONTRACTOR agrees BEACON shall not be responsible for all Travel Costs, but only for a pro rata share as determined based on the percentage of time allocable to BEACON. The reimbursement rate for hotel accommodations shall not exceed \$350 per night including all taxes and fees. BEACON and CONTRACTOR agree the following is **not** authorized unless pre-approved in writing by BEACON: Out-of-country travel, Private Aircraft Transportation, First Class airline travel, and Relocation.

Ratifications. The terms and provisions set forth in this Amendment No. 1 shall modify and supersede all inconsistent terms and provisions set forth in the Agreement. The terms and provisions of the Agreement, except as expressly modified and superseded by this Amendment No. 1 are ratified and confirmed and shall continue in full force and effect, and shall continue to be legal, valid, binding, and enforceable obligations of the parties.

Counterparts. This Amendment No. 1 may be executed in several counterparts, all of which taken together shall constitute a single agreement between the parties.

IN WITNESS WHEREOF, this Amendment is executed by the Parties hereto and shall be effective as of July 1, 2025.

Beach Erosion Authority for Clean
Oceans and Nourishment

Beyeler & Associates

By: _____
Chair

By: _____
Marc Beyeler

Date: _____

Date: _____

Approved as to Form:
Rachel Van Mullem
County Counsel

By:  _____
Senior Deputy County Counsel
Counsel for BEACON

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A California Joint Powers Agency

Member Agencies

Julia Mayer
City of Carpinteria

James Kyriaco
City of Goleta

Gabe Teran
City of Oxnard

Steven Gama, Vice-Chair
City of Port Hueneme

Doug Halter
City of San Buenaventura

Eric Friedman, Chair
City of Santa Barbara

Laura Capps
Roy Lee
County of Santa Barbara

Vianey Lopez
Matt LaVere
County of Ventura

Executive Director
Marc Beyeler

Santa Barbara Address:
105 East Anapamu, Suite 201
Santa Barbara, CA 93101

Ventura Address:
501 Poli St.
P.O. Box 99
Ventura, CA 93001

Email:
Office@Beacon.ca.gov

Website:
<http://www.beacon.ca.gov>

STAFF REPORT

Meeting Date: September 19, 2025

Agenda Item: 6

To: BEACON Board of Directors
From: Executive Director
Date: September 8, 2025

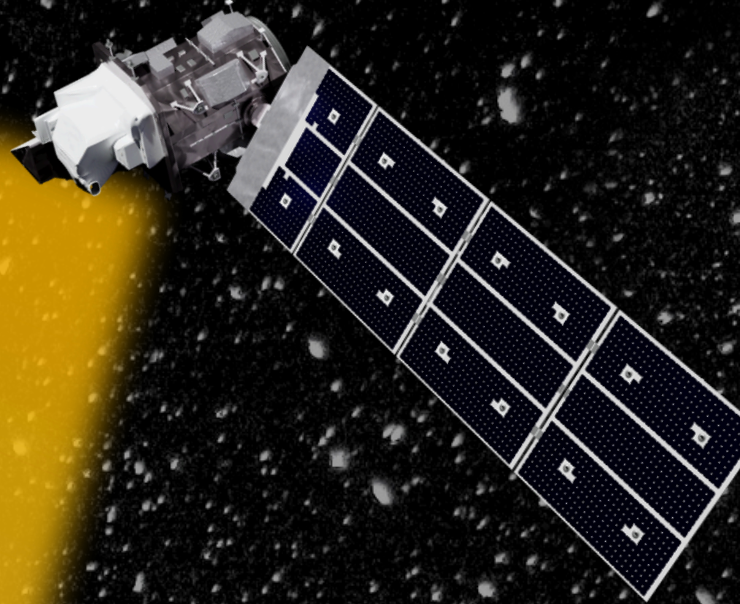
Subject: Executive Director's Report and Communications

The Executive Director will report on recent activities and achievements of BEACON, upcoming events of interest to the Board of Directors and the public, and general status of BEACON major projects, including the status of recent BEACON presentations on activities and accomplishments to our member agencies. There will be no Board discussion except to ask questions or refer matters to Staff; no action will be taken unless listed on a subsequent agenda.

November Meeting Agenda:

- A. Presentations.
- B. Project Updates
- C. BEACON FY 26-27 Budget Review

BEACHES from SPACE



BEACON Webinar Series: Utilizing Satellites to Detect Coastal Change

Satellites are providing unprecedented coastal change information, resulting in a revolution in the understanding of our littoral systems. In this presentation Dr.

Warrick will provide an overview of this data revolution and highlight new understanding gained from new satellite data about California's beaches.

With a focus on the Santa Barbara Littoral Cell and the broader southern California coast, this presentation will highlight newly identified beach behaviors and the important linkages between satellite data and other coastal surveying tools.

Dr. Jonathan Warrick, USGS

Jonathan Warrick PhD is a Research Geologist at the U.S. Geological Survey (USGS) in Santa Cruz, California. His research focuses on coastal change and the movement of sediment from rivers to the sea. Jon has led efforts to characterize the outcomes of the massive dam removal project on the Elwha River of Washington in collaboration with the

Lower Elwha Klallam Tribe, federal agencies, and several universities. Recently, Dr. Warrick has led the USGS Remote Sensing Coastal Change project, which has collected and interpreted remote sensing data to better understand changes to U.S. coasts from wildfires, floods, landslides, hurricanes, and other storm events.

August 27, 2:00-3:30pm

Virtual Zoom Webinar

Zoom Link

***Brought to you by the
Beach Erosion Authority for
Clean Oceans and Nourishment***