ATTACHMENT 1 AGREEMENT FOR SERVICES OF INDEPENDENT CONTRACTOR



AGREEMENT FOR SERVICES OF INDEPENDENT CONTRACTOR

THIS AGREEMENT (hereafter Agreement) is made by and between the County of Santa Barbara, a political subdivision of the State of California (hereafter COUNTY) and Environmental Science Associates (ESA) with an address at 550 Kearny Street, San Francisco, CA 94108 (hereafter CONTRACTOR) wherein CONTRACTOR agrees to provide and COUNTY agrees to accept the services specified herein.

WHEREAS, CONTRACTOR represents that it is specially trained, skilled, experienced, and competent to perform the special services required by COUNTY and COUNTY desires to retain the services of CONTRACTOR pursuant to the terms, covenants, and conditions herein set forth;

NOW, THEREFORE, in consideration of the mutual covenants and conditions contained herein, the parties agree as follows:

1. **DESIGNATED REPRESENTATIVE**

David Lackie at phone number 805-568-2023 is the representative of COUNTY and will administer this Agreement for and on behalf of COUNTY. David Revell at phone number 831-272-0227 is the authorized representative for CONTRACTOR. Changes in designated representatives shall be made only after advance written notice to the other party.

2. NOTICES

Any notice or consent required or permitted to be given under this Agreement shall be given to the respective parties in writing, by personal delivery or facsimile, or with postage prepaid by first class mail, registered or certified mail, or express courier service, as follows:

To COUNTY:

Glenn Russell, Director, Planning and Development, 123 E. Anapamu Street, Santa

Barbara, CA 93101

To CONTRACTOR:

Gary Oates, President, ESA, 500 Kearney Street Suite 800, San Francisco, CA 94108

or at such other address or to such other person that the parties may from time to time designate in accordance with this Notices section. If sent by first class mail, notices and consents under this section shall be deemed to be received five (5) days following their deposit in the U.S. mail. This Notices section shall not be construed as meaning that either party agrees to service of process except as required by applicable law.

3. SCOPE OF SERVICES

CONTRACTOR agrees to provide services to COUNTY in accordance with EXHIBIT A attached hereto and incorporated herein by reference.

4. TERM

CONTRACTOR shall commence performance on July 8, 2014 and end performance upon completion, but no later than December 31, 2015 unless otherwise directed by COUNTY or unless earlier terminated.

5. COMPENSATION OF CONTRACTOR

In full consideration for CONTRACTOR's services, CONTRACTOR shall be paid for performance under this Agreement in accordance with the terms of EXHIBIT B attached hereto and incorporated herein by reference. Billing shall be made by invoice, which shall include the contract number assigned by COUNTY and which is delivered to the

address given in Section 2 <u>NOTICES</u> above following completion of the increments identified on EXHIBIT B. Unless otherwise specified on EXHIBIT B, payment shall be net thirty (30) days from presentation of invoice.

6. INDEPENDENT CONTRACTOR

It is mutually understood and agreed that CONTRACTOR (including any and all of its officers, agents, and employees), shall perform all of its services under this Agreement as an independent contractor as to COUNTY and not as an officer, agent, servant, employee, joint venturer, partner, or associate of COUNTY. Furthermore, COUNTY shall have no right to control, supervise, or direct the manner or method by which CONTRACTOR shall perform its work and function. However, COUNTY shall retain the right to administer this Agreement so as to verify that CONTRACTOR is performing its obligations in accordance with the terms and conditions hereof. CONTRACTOR understands and acknowledges that it shall not be entitled to any of the benefits of a COUNTY employee, including but not limited to vacation, sick leave, administrative leave, health insurance, disability insurance, retirement, unemployment insurance, workers' compensation and protection of tenure. CONTRACTOR shall be solely liable and responsible for providing to, or on behalf of, its employees all legally-required employee benefits. In addition, CONTRACTOR shall be solely responsible and save COUNTY harmless from all matters relating to payment of CONTRACTOR's employees, including compliance with Social Security withholding and all other regulations governing such matters. It is acknowledged that during the term of this Agreement, CONTRACTOR may be providing services to others unrelated to the COUNTY or to this Agreement.

CONTRACTOR shall perform all of its services under this Agreement as an independent contractor and not as an employee of COUNTY. CONTRACTOR understands and acknowledges that it shall not be entitled to any of the benefits of a COUNTY employee, including but not limited to vacation, sick leave, administrative leave, health insurance, disability insurance, retirement, unemployment insurance, workers' compensation and protection of tenure.

7. STANDARD OF PERFORMANCE

CONTRACTOR represents that it has the skills, expertise, and licenses/permits necessary to perform the services required under this Agreement. Accordingly, CONTRACTOR shall perform all such services in the manner and according to the standards observed by a competent practitioner of the same profession in which CONTRACTOR is engaged. All products of whatsoever nature, which CONTRACTOR delivers to COUNTY pursuant to this Agreement, shall be prepared in a first class and workmanlike manner and shall conform to the standards of quality normally observed by a person practicing in CONTRACTOR's profession. CONTRACTOR shall correct or revise any errors or omissions, at COUNTY'S request without additional compensation. Permits and/or licenses shall be obtained and maintained by CONTRACTOR without additional compensation.

8. DEBARMENT AND SUSPENSION

CONTRACTOR certifies to COUNTY that it and its employees and principals are not debarred, suspended, or otherwise excluded from or ineligible for, participation in federal, state, or county government contracts. CONTRACTOR certifies that it shall not contract with a subcontractor that is so debarred or suspended.

9. TAXES

CONTRACTOR shall pay all taxes, levies, duties, and assessments of every nature due in connection with any work under this Agreement and shall make any and all payroll deductions required by law. COUNTY shall not be responsible for paying any taxes on CONTRACTOR's behalf, and should COUNTY be required to do so by state, federal, or local taxing agencies, CONTRACTOR agrees to promptly reimburse COUNTY for the full value of such paid taxes plus interest and penalty, if any. These taxes shall include, but not be limited to, the following: FICA (Social Security), unemployment insurance contributions, income tax, disability insurance, and workers' compensation insurance.

10. CONFLICT OF INTEREST

CONTRACTOR covenants that CONTRACTOR presently has no employment or interest and shall not acquire any employment or interest, direct or indirect, including any interest in any business, property, or source of income, which would conflict in any manner or degree with the performance of services required to be performed under this Agreement. CONTRACTOR further covenants that in the performance of this Agreement, no person having any such interest shall be employed by CONTRACTOR. COUNTY retains the right to waive a conflict of interest disclosed by CONTRACTOR if COUNTY determines it to be immaterial, and such waiver is only effective if provided by COUNTY to CONTRACTOR in writing. The term "organizational conflict of interest" means that a relationship exists whereby CONTRACTOR has interests which may diminish the capacity to give impartial, technically sound, objective assistance and advice or may otherwise result in a biased work product or may result in an unfair competitive advantage.

CONTRACTOR agrees that if an organizational conflict of interest is discovered with respect to this CONTRACT, CONTRACTOR shall make an immediate and full disclosure in writing to COUNTY which shall include a description of the action which the CONTRACTOR has taken or proposes to take to avoid, eliminate or neutralize the conflict. COUNTY may, however, terminate the CONTRACT if it could be in the best interests of the COUNTY.

11. OWNERSHIP OF DOCUMENTS AND INTELLECTUAL PROPERTY

COUNTY shall be the owner of the following items incidental to this Agreement upon production, whether or not completed: all data collected, all documents of any type whatsoever, all photos, designs, sound or audiovisual recordings, software code, inventions, technologies, and other materials, and any material necessary for the practical use of such items, from the time of collection and/or production whether or not performance under this Agreement is completed or terminated prior to completion. CONTRACTOR shall not release any of such items to other parties except after prior written approval of COUNTY.

Unless otherwise specified in Exhibit A, CONTRACTOR hereby assigns to COUNTY all copyright, patent, and other intellectual property and proprietary rights to all data, documents, reports, photos, designs, sound or audiovisual recordings, software code, inventions, technologies, and other materials prepared or provided by CONTRACTOR pursuant to this Agreement (collectively referred to as "Copyrightable Works and Inventions"). COUNTY shall have the unrestricted authority to copy, adapt, perform, display, publish, disclose, distribute, create derivative works from, and otherwise use in whole or in part, any Copyrightable Works and Inventions. CONTRACTOR agrees to take such actions and execute and deliver such documents as may be needed to validate, protect and confirm the rights and assignments provided hereunder. CONTRACTOR warrants that any Copyrightable Works and Inventions and other items provided under this Agreement will not infringe upon any intellectual property or proprietary rights of any third party. CONTRACTOR at its own expense shall defend, indemnify, and hold harmless COUNTY against any claim that any Copyrightable Works or Inventions or other items provided by CONTRACTOR hereunder infringe upon intellectual or other proprietary rights of a third party, and CONTRACTOR shall pay any damages, costs, settlement amounts, and fees (including attorneys' fees) that may be incurred by COUNTY in connection with any such claims. This Ownership of Documents and Intellectual Property provision shall survive expiration or termination of this Agreement.

12. NO PUBLICITY OR ENDORSEMENT

CONTRACTOR shall not use COUNTY's name or logo or any variation of such name or logo in any publicity, advertising or promotional materials. CONTRACTOR shall not use COUNTY's name or logo in any manner that would give the appearance that the COUNTY is endorsing CONTRACTOR. CONTRACTOR shall not in any way contract on behalf of or in the name of COUNTY. CONTRACTOR shall not release any informational pamphlets, notices, press releases, research reports, or similar public notices concerning the COUNTY or its projects, without obtaining the prior written approval of COUNTY.

13. COUNTY PROPERTY AND INFORMATION

All of COUNTY's property, documents, and information provided for CONTRACTOR's use in connection with the services shall remain COUNTY's property, and CONTRACTOR shall return any such items whenever requested by COUNTY and whenever required according to the Termination section of this Agreement. CONTRACTOR may use such items only in connection with providing the services. CONTRACTOR shall not disseminate any COUNTY property, documents, or information without COUNTY's prior written consent.

14. RECORDS, AUDIT, AND REVIEW

CONTRACTOR shall keep such business records pursuant to this Agreement as would be kept by a reasonably prudent practitioner of CONTRACTOR's profession and shall maintain such records for at least four (4) years following the termination of this Agreement. All accounting records shall be kept in accordance with generally accepted accounting principles. COUNTY shall have the right to audit and review all such documents and records at any time during CONTRACTOR's regular business hours or upon reasonable notice. In addition, if this Agreement exceeds ten thousand dollars (\$10,000.00), CONTRACTOR shall be subject to the examination and audit of the California State Auditor, at the request of the COUNTY or as part of any audit of the COUNTY, for a period of three (3) years after final payment under the Agreement (Cal. Govt. Code Section 8546.7). CONTRACTOR shall participate in any audits and reviews, whether by COUNTY or the State, at no charge to COUNTY.

If federal, state or COUNTY audit exceptions are made relating to this Agreement, CONTRACTOR shall reimburse all costs incurred by federal, state, and/or COUNTY governments associated with defending against the audit exceptions or performing any audits or follow-up audits, including but not limited to: audit fees, court costs, attorneys' fees based upon a reasonable hourly amount for attorneys in the community, travel costs, penalty assessments and all other costs of whatever nature. Immediately upon notification from COUNTY, CONTRACTOR shall reimburse the amount of the audit exceptions and any other related costs directly to COUNTY as specified by COUNTY in the notification.

15. INDEMNIFICATION AND INSURANCE

CONTRACTOR agrees to the indemnification and insurance provisions as set forth in EXHIBIT C attached hereto and incorporated herein by reference.

16. NONDISCRIMINATION

COUNTY hereby notifies CONTRACTOR that COUNTY's Unlawful Discrimination Ordinance (Article XIII of Chapter 2 of the Santa Barbara County Code) applies to this Agreement and is incorporated herein by this reference with the same force and effect as if the ordinance were specifically set out herein and CONTRACTOR agrees to comply with said ordinance.

17. NONEXCLUSIVE AGREEMENT

CONTRACTOR understands that this is not an exclusive Agreement and that COUNTY shall have the right to negotiate with and enter into contracts with others providing the same or similar services as those provided by CONTRACTOR as the COUNTY desires.

18. NON-ASSIGNMENT

CONTRACTOR shall not assign, transfer or subcontract this Agreement or any of its rights or obligations under this Agreement without the prior written consent of COUNTY and any attempt to so assign, subcontract or transfer without such consent shall be void and without legal effect and shall constitute grounds for termination.

19. TERMINATION

- A. <u>By COUNTY</u>. COUNTY may, by written notice to CONTRACTOR, terminate this Agreement in whole or in part at any time, whether for COUNTY's convenience, for nonappropriation of funds, or because of the failure of CONTRACTOR to fulfill the obligations herein.
 - For Convenience. COUNTY may terminate this Agreement in whole or in part upon thirty (30) days
 written notice. During the thirty (30) day period, CONTRACTOR shall, as directed by COUNTY, wind
 down and cease its services as quickly and efficiently as reasonably possible, without performing
 unnecessary services or activities and by minimizing negative effects on COUNTY from such winding
 down and cessation of services.
 - 2. For Nonappropriation of Funds. Notwithstanding any other provision of this Agreement, in the event that no funds or insufficient funds are appropriated or budgeted by federal, state or COUNTY governments, or funds are not otherwise available for payments in the fiscal year(s) covered by the term of this Agreement, then COUNTY will notify CONTRACTOR of such occurrence and COUNTY may terminate or suspend this Agreement in whole or in part, with or without a prior notice period. Subsequent to termination of this Agreement under this provision, COUNTY shall have no obligation to make payments with regard to the remainder of the term.
 - 3. For Cause. Should CONTRACTOR default in the performance of this Agreement or materially breach any of its provisions, COUNTY may, at COUNTY's sole option, terminate or suspend this Agreement in whole or in part by written notice. Upon receipt of notice, CONTRACTOR shall immediately discontinue all services affected (unless the notice directs otherwise) and notify COUNTY as to the status of its performance. The date of termination shall be the date the notice is received by CONTRACTOR, unless the notice directs otherwise.
- B. <u>By CONTRACTOR</u>. Should COUNTY fail to pay CONTRACTOR all or any part of the payment set forth in EXHIBIT B, CONTRACTOR may, at CONTRACTOR's option terminate this Agreement if such failure is not remedied by COUNTY within thirty (30) days of written notice to COUNTY of such late payment.
- C. Upon termination, CONTRACTOR shall deliver to COUNTY all data, estimates, graphs, summaries, reports, and all other property, records, documents or papers as may have been accumulated or produced by CONTRACTOR in performing this Agreement, whether completed or in process, except such items as COUNTY may, by written permission, permit CONTRACTOR to retain. Notwithstanding any other payment provision of this Agreement, COUNTY shall pay CONTRACTOR for satisfactory services performed to the date of termination to include a prorated amount of compensation due hereunder less payments, if any, previously made. In no event shall CONTRACTOR be paid an amount in excess of the full price under this Agreement nor for profit on unperformed portions of service. CONTRACTOR shall furnish to COUNTY such financial information as in the judgment of COUNTY is necessary to determine the reasonable value of the services rendered by CONTRACTOR. In the event of a dispute as to the reasonable value of the services rendered by CONTRACTOR, the decision of COUNTY shall be final. The foregoing is cumulative and shall not affect any right or remedy which COUNTY may have in law or equity.

20. SECTION HEADINGS

The headings of the several sections, and any Table of Contents appended hereto, shall be solely for convenience of reference and shall not affect the meaning, construction or effect hereof.

21. SEVERABILITY

If any one or more of the provisions contained herein shall for any reason be held to be invalid, illegal or unenforceable in any respect, then such provision or provisions shall be deemed severable from the remaining provisions hereof, and such invalidity, illegality or unenforceability shall not affect any other provision hereof, and this Agreement shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein.

22. REMEDIES NOT EXCLUSIVE

No remedy herein conferred upon or reserved to COUNTY is intended to be exclusive of any other remedy or remedies, and each and every such remedy, to the extent permitted by law, shall be cumulative and in addition to any other remedy given hereunder or now or hereafter existing at law or in equity or otherwise.

23. TIME IS OF THE ESSENCE

Time is of the essence in this Agreement and each covenant and term is a condition herein.

24. NO WAIVER OF DEFAULT

No delay or omission of COUNTY to exercise any right or power arising upon the occurrence of any event of default shall impair any such right or power or shall be construed to be a waiver of any such default or an acquiescence therein; and every power and remedy given by this Agreement to COUNTY shall be exercised from time to time and as often as may be deemed expedient in the sole discretion of COUNTY.

25. ENTIRE AGREEMENT AND AMENDMENT

In conjunction with the matters considered herein, this Agreement contains the entire understanding and agreement of the parties and there have been no promises, representations, agreements, warranties or undertakings by any of the parties, either oral or written, of any character or nature hereafter binding except as set forth herein. This Agreement may be altered, amended or modified only by an instrument in writing, executed by the parties to this Agreement and by no other means. Each party waives their future right to claim, contest or assert that this Agreement was modified, canceled, superseded, or changed by any oral agreements, course of conduct, waiver or estoppel.

26. SUCCESSORS AND ASSIGNS

All representations, covenants and warranties set forth in this Agreement, by or on behalf of, or for the benefit of any or all of the parties hereto, shall be binding upon and inure to the benefit of such party, its successors and assigns.

27. COMPLIANCE WITH LAW

CONTRACTOR shall, at its sole cost and expense, comply with all County, State and Federal ordinances and statutes now in force or which may hereafter be in force with regard to this Agreement. The judgment of any court of competent jurisdiction, or the admission of CONTRACTOR in any action or proceeding against CONTRACTOR, whether COUNTY is a party thereto or not, that CONTRACTOR has violated any such ordinance or statute, shall be conclusive of that fact as between CONTRACTOR and COUNTY.

28. CALIFORNIA LAW AND JURISDICTION

This Agreement shall be governed by the laws of the State of California. Any litigation regarding this Agreement or its contents shall be filed in the County of Santa Barbara, if in state court, or in the federal district court nearest to Santa Barbara County, if in federal court.

29. EXECUTION OF COUNTERPARTS

This Agreement may be executed in any number of counterparts and each of such counterparts shall for all purposes be deemed to be an original; and all such counterparts, or as many of them as the parties shall preserve undestroyed, shall together constitute one and the same instrument.

30. AUTHORITY

All signatories and parties to this Agreement warrant and represent that they have the power and authority to enter into this Agreement in the names, titles and capacities herein stated and on behalf of any entities, persons, or firms represented or purported to be represented by such entity(ies), person(s), or firm(s) and that all formal requirements necessary or required by any state and/or federal law in order to enter into this Agreement have been fully complied with. Furthermore, by entering into this Agreement, CONTRACTOR hereby warrants that it shall not have breached the terms or conditions of any other contract or agreement to which CONTRACTOR is obligated, which breach would have a material effect hereon.

31. SURVIVAL

All provisions of this Agreement which by their nature are intended to survive the termination or expiration of this Agreement shall survive such termination or expiration.

32. PRECEDENCE

In the event of conflict between the provisions contained in the numbered sections of this Agreement and the provisions contained in the Exhibits, the provisions of the Exhibits shall prevail over those in the numbered sections.

Agreement for Services of Independent Contractor between the County of Santa Barbara and ESA PWA.

IN WITNESS WHEREOF, the parties have executed this Agreement to be effective on the date executed by COUNTY.

ATTEST:	COUNTY OF SANTA BARBARA:
Mona Miyasato County Executive Officer Clerk of the Board	
By: Deputy Clerk	By: Steve Lavagnino, Chair Board of Supervisors
	Date:
RECOMMENDED FOR APPROVAL: Planning and Development	CONTRACTOR: ESA
By: Department Head	By: Authorized Representative Name: Title: Vice President
APPROVED AS TO FORM: Michael C. Ghizzoni County Counsel	APPROVED AS TO ACCOUNTING FORM: Robert W. Geis, CPA Auditor-Controller
By: By Down County Counsel	By: Kata H
APPROVED AS TO FORM: Risk Management	

EXHIBIT A

STATEMENT OF WORK

The following tasks have been identified to be performed by the CONTRACTOR to support Phase I of the Coastal Resiliency Project:

Task 1. Project Kick-off Meeting

ESA will participate in a kick-off meeting in Santa Barbara shortly after commencement of the contract to clarify the County's objectives, exchange documents, clarify the scope of work and schedule, and establish communication protocols.

Task 2. Stakeholder Meetings

ESA staff will participate in up to four (4) project meetings with key stakeholders to discuss coastal hazard modeling. ESA understands these meetings will be led by the County. ESA is available to provide input on the agenda and/or prepare presentations on our technical information relevant to the climate change modeling, as requested by the County.

Assumptions: ESA has budgeted for an average of ten (10) hours for each meeting, to include meeting time, preparation and follow-up.

Task 3. Spatially-explicit Resource Database

ESA will acquire regional databases for selected social and ecological resources from the County and or directly from other cooperating stakeholders. ESA will integrate the digital information into GIS and compile the individual jurisdictional information into a spatial data set.

(In executing this work, if ESA notes any apparent issues with the data ESA will notify the County and obtain direction on how to best proceed.)

Assumptions: ESA has budgeted 62 hours for this task. ESA assumes that the digital data can be readily incorporated into the GIS database. In executing this work, if ESA notes any apparent issues with the data ESA will notify the County and obtain direction on how to best proceed.) ESA will obtain and integrate the following data:

- Infrastructure and asset data to be provided in digital format by local jurisdictions; ESA understands the County and other agency partners will support this data acquisition.
- Habitat data to be provided in digital format by local jurisdictions, UCSB, or other national level data sets. (ESA will not be reclassifying disparate habitat data sets.)
- Coastal armoring ESA anticipates using the Coastal Commission shoreline armoring data set (Dare 2006)
 to identify shoreline armoring along the coast of Santa Barbara County. Additional armoring data can be
 used if provided at a suitable point in the study process.

Deliverables:

- (1) Summary table of all acquired and relevant data sets; and
- (2) GIS shapefiles with metadata of the compiled spatially-explicit regional GIS database.

Task 4. Model and Map Coastal Hazards for Climate Scenarios

ESA will model physical processes necessary to identify planning level changes in future coastal erosion and coastal flooding hazards. The coastal hazard modeling will be consistent with the Draft (2013) Guidance of Sea Level Rise by the California Coastal Commission. This will include modeling of at least two (2) sea level rise

scenarios and three (3) planning horizons (plus existing conditions). ESA proposes to follow a similar range of scenarios and planning horizons as those utilized in the Coastal Resilience Ventura Project so that there will be some consistency across the entire BEACON region.

To accomplish the modeling and mapping tasks, there are several subtasks with interim deliverables that ESA will accomplish:

4.1 Backshore Inventory

ESA will develop a backshore inventory that includes parameters necessary to drive the coastal response model. The inventory will be an update of the initial baseline developed for the Pacific Institute study. The inventory will be an offshore baseline segmented at a maximum of 500 meters (~1500 feet) spacing ("blocks") to conduct the coastal modeling at a scale appropriate to decision making. In areas of smaller geological units or backshore type (e.g. inlets, or pocket beaches), the block distance may be smaller. Each block will be assigned a set of parameters including backshore type (dune/cliff/inlet), presence of coastal armor, geology, erosion rates, median/minimum toe elevations, dune/cliff crest elevation, beach slope, foreshore slope, and the 100-year total water level.

ESA will utilize available LIDAR including the State funded LIDAR (2010/11), USGS and Scripps collected LIDAR (2005, 2009, 2010), and the NOAA, NASA, USGS LIDAR (1997 and 1998), and potentially other relevant data sets. ESA will also use readily available offshore depth data sets, and interpolate between LIDAR and underwater depths, as appropriate. Readily available nearshore profile data from BEACON will be reviewed to inform the profile generation. ESA will analyze a range of beach profiles from multiple seasons, at 300-foot spacing along the shoreline, and extract the following information:

- 1. Beach slopes (important for wave run-up)
- 2. Backshore toe elevation (important for calculating erosion potential)
- Crest elevation (important for calculating wave overtopping and flooding).

This geomorphic information will be included in the backshore inventory layer.

Assumptions: ESA has budgeted 110 hours for this task. The County will provide and or support available data sets to support the backshore inventory development (e.g. geology, shoreline inventory).

4.2 Erosion Rates

ESA will assimilate and compile existing erosion rates for sandy shorelines and cliffs backed shorelines throughout the Phase 1 study area. In addition, ESA will use erosion rate data from Revell 2007 to provide ground truthing on the USGS data sets.

Assumptions: ESA has budgeted 28 hours for this task. ESA assumes that the data available from the USGS National assessment of Shoreline Change is sufficient to be incorporated into an update of the erosion rate data using the Mean High Water shoreline and cliff edge extracted from the latest State LIDAR data collected between 2009-2011.

Subtask 4.1 and 4.2 Deliverables:

(1) GIS shapefiles with metadata of backshore classification attributed with geomorphic data¹, and erosion rate, data; and

Geomorphic data refers to the interpreted LIDAR data sets including toe and crest elevations, and beach slopes that are used in the modeling and analysis.

(Co of SB Std Terms Ver 4-21-95)

(2) A Mean High Water shoreline and cliff edge extracted from the most recent LIDAR data.

4.3 Wave Transformations

The complex setting of the Santa Barbara County South coast with Point Conception and the Channel Islands offshore require that wave transformation modeling be conducted to provide accurate wave conditions along the variety of shoreline orientations.

After discussions with the Coastal Conservancy staff and USGS, ESA PWA has identified the most efficient means to accomplish this wave transformation modeling in the near term while being consistent with other Southern California region-wide analysis to be conducted in collaboration with the USGS.

ESA will leverage ESA's existing wave transformation modeling initially developed for Coastal Resilience Ventura and further calibrated during Goleta Beach 2.0-Managed Retreat and Devereux Slough Restoration Design. This model uses the same fine scale modeling grid previously developed by the USGS, who ESA will continue to coordinate with to make the Santa Barbara County work consistent both with the Ventura Coastal Resilience work and upcoming USGS work. This will also facilitate the incorporation of results into the existing web mapping decision support tool (www.coastalresilience.org).

Note: that to accomplish this task and extract all of the necessary wave transformation model details, ESA allocated an additional \$4,600 from the contingency fund for this task.

Assumptions: ESA has budgeted 104 hours for this task. ESA assumes that ESA will obtain the offshore wave time series derived from the USGS COSMOS model by August 2014.

4.4 Mapping Future Coastal Hazards

ESA will model the impacts of storm waves and SLR onto the shoreline at 10-year time steps. The modeling will evaluate two (2) scenarios consistent with State and Federal guidance and the "DRAFT GUIDANCE ON SEA LEVEL RISE" issued by the California Coastal Commission. Output GIS shapefiles will be generated for multiple planning horizons (likely 2030, 2060, 2100 based on confirmation by the County). The modeling, as mentioned above, will generate hazard zones which will include:

- Coastal erosion from sea level rise
- Coastal erosion from storm impacts
- Coastal flooding from storms
- Coastal inundation

In addition, a spatial aggregation method is used provide spatial representation to the range of relative risk and uncertainties.

Assumptions: ESA has budgeted approximately 1,370 hours for this task.

Deliverables:

- (1) GIS shapefiles and metadata for each of the coastal erosion, coastal inundation, coastal flooding, and depth of flooding;
- (2) The spatial aggregation/relative uncertainty layers; and
- (3) Technical methods report.

(Co of SB Std Terms Ver 4-21-95)

4.5 Fluvial Flooding Extent

In addition, ESA will model climate change influences on fluvial (river) flood extents and sediment yields to one of the coastal watersheds in Santa Barbara County. This flood modeling will be conducted using the same method as that of the Coastal Resilience Ventura work which examined climate changes to precipitation and sea level rise and the resultant affect on fluvial flood extents.

Assumptions: ESA has budgeted 26 hours for this task. This work will require the use of an existing hydrodynamic flood model (e.g. HEC-RAS) for the selected watershed that ESA assumes will be made available by the County. The specific watershed will be determined based on County priorities and available models and data, but likely candidates include Carpinteria or Gaviota Creek. ESA assumes sediment yield will be based on readily-available sediment rating curves (from USGS or similar).

Task 5. Peer Review of County Vulnerability Assessment

ESA will support the County to interpret the results of the modeling and mapping, and provide interpretative input on the resulting analysis to include in the draft Vulnerability Assessment by the County. ESA will provide peer review and guidance on the draft Sea Level Rise Vulnerability Assessment report prepared by the County prior to final submittal to the Coastal Conservancy.

Assumptions: ESA has budgeted 26 hours for this task.

Deliverables:

Comments on one draft of the Sea Level Rise Vulnerability Assessment.

Cost Proposal

ESA has prepared a cost proposal in accordance with the scope of work identified in the RFP. The attached Table 2 provides ESA's estimated budget for each of the tasks described in the scope of work. As it is difficult to estimate the level of effort required for this scope, ESA recommends compensation on a time and materials basis, not to exceed the total estimate budget of \$187,000 without prior authorization. Please note that actual charges will likely differ from the estimate provided in Table 2.

ESA has also set aside the 7.5% contingency fund for which ESA commends the County for identifying. ESA's cost estimates come from their experience in doing similar projects; it is often difficult to know how the technical and process tasks will play out. Holding funding in reserve to allocate as the project develops will enable the project to move along despite unforeseen complications.

ESA will invoice monthly for actual time and materials according to our standard rate schedule in effect at the time the work is performed (see attached). ESA has attached a provisional rate schedule for work that they anticipate will be performed in 2014.

Suspension for Convenience. COUNTY may, without cause, order CONTRACTOR in writing to suspend, delay, or interrupt the services under this Agreement in whole or in part for up to 30 days. COUNTY shall incur no liability for suspension under this provision and suspension shall not constitute a breach of this Agreement.

Exhibits:

A.1: Table 2 - Pricing Proposal

// A.2: Environmental Science Associates and Subsidiaries 2014 Schedule of Fees

(Co of SB Std Terms Ver 4-21-95)

EXHIBIT A.1

TABLE 2 Pricing Proposal

TABLE 2: PRICING PROPOSAL ESA Labor Detail and Expense Summary

Total		\$	1,930	1	9,200	ŧ	8,950	,	1	15,200	3,900	16,800		17,900	14,700	17,500	8,900	10,100	7,500	7,600	25,300	•	4,900	•	14,100	•		184,500
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		á	1,930		9,200	,	8,950	1	ı	15,230	3,880	16,760	-	17,900	14,660	17,500	8,880	10,140	7,470	7,640	25,320	,	4,890	1	1	1		170,350
		တ	↔	63	ક્ક	63	છ	÷	ω	છ	₩	&	↔	બ	ω	63	क	θ	κ ν	↔	ક્ર	ઝ	&	s	ь	63		မာ
Assoc	\$120						40			80	20			80	90	90	48	40	40	24	100						592	\$71,040
SrAssoc	\$150											80			24	38											142	\$21,300
- MA/TA	\$155																				09						90	\$ 9,300
III MA/TA	\$185		8		40		20			28	8	16		40	16	20	12	24	12	16	12		24				296	\$54,760
r SrDir	\$225		2		8		2			2		8		4	4	4	4	4	2	8	8		2				62	\$13,950
Task Number / Description			Project Kick off meeting		Stakeholder meetings		Geospatial explicit resource data base		Model and Map mulitple sea level rise and climate scenarios	Backshore Inventory	Erosion Rates	Wave Transformation	Mapping future coastal hazard zones	Coastal Erosion	Coastal Inundation	Coastal Flooding	Depth of Flooding	Mapping of Coastal Hazards	Spatial Aggregation	Technical Report	Fluvial Flooding Extent		Peer Review of County Vulnerability Assessment		Contingency 7.5%			abor Costs
	Hourly Billing Rate		Task 1		Task 2		Task 3		Task 4	4.1	4.2	4.3	4.4	4.4.1	4.4.2	4.4.3	4.4.4	4.4.5	4.4.6	4.4.7	4.5		Task 5		Task 6		Total Hours	Subtotals - Labor Costs

Subtotal ESA Non-Labor Expenses

TOTAL PROJECT PRICE

2,500

187,000

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EXHIBIT A.2

ENVIRONMENTAL SCIENCE ASSOCIATES AND SUBSIDIARIES 2014 Schedule of Fees



Exhibit B

Environmental Science Associates & Subsidiaries 2014 Schedule of Fees

I. Personnel Category Rates

Charges will be made at the Category hourly rates set forth below for time spent on project management, consultation or meetings related to the project, field work, report preparation and review, travel time, etc. Time spent on projects in litigation, in depositions and providing expert testimony will be charged at the Category rate times 1.5.

Labor Category	Levell	Level I	Levelill
Senior Director	225	240	255
Director	190	205	215
Managing Associate	155	170	185
Senior Associate	130	140	150
Associate	95	110	120
Project Technicians	75	90	110

- (a) The range of rates shown for each staff category reflects ESA staff qualifications, expertise and experience levels. These rate ranges allow our project managers to assemble the best project teams to meet the unique project requirements and client expectations for each opportunity.
- (b) From time to time, ESA retains outside professional and technical labor on a temporary basis to meet peak workload demands. Such contract labor may be charged at regular Employee Category rates.
- (c) ESA reserves the right to revise the Personnel Category Rates annually to reflect changes in its operating costs.

II. ESA Expenses

A. Travel Expenses

- 1. Transportation
 - a. Company vehicle IRS mileage reimbursement rate
 - b. Common carrier or car rental actual multiplied by 1.15
- 2. Lodging, meals and related travel expenses direct expenses multiplied by 1.15



B. Communications Fee

In-house costs for phone, e-mail, fax, regular postage, walk-up copier, and records retention – project labor charges multiplied by 3%

C. Printing/Reproduction Rates

from	Rate/page
8 1/2 x 11 b/w	\$0.05
11 x 17 b/w	\$0.10
8 1/2 x 11 color	\$1.00
11 x 17 color	\$1.50
Covers	\$0.50
Binding	\$1.00
HP Plotter	\$25.00
CD	\$10.00
Digital Photography	\$20.00 (up to 50 images)

D. Equipment Rates

ltem	Rate/Day	Rate/Week	Rate/Month
Project Specific Equipment:			
Vehicles – Standard size	\$ 40 ^a	\$ 180	
Vehicles – 4x4 /Truck	85		:
Laptop Computers	50	200	\$ 500
LCD Projector	200	600	
Noise Meter	50		
Electrofisher	300	1,200	
Sample Pump	25		
Auto Level	40		
Total Station	200	600	:
RTK-GPS	300	1,200	
RTS-GPS Smartnet Subscription	50	200	
Field Traps	40		
Digital Planimeter	40		
Cameras/Video/Cell Phone	20		200
Miscellaneous Small Equipment	5		
Computer Time (i.e. GIS)	120 ^b	/	
Trimble GPS	75	350	900
Tablet GPS	100	400	1,000
Laser Level	60		
Garmin GPS or equivalent	25		250
Stilling Well / Coring Pipe (3 inch aluminum)	\$3/ft		
Hydrologic Data Collection, Water Current, Level and Wave Measu	irement Equipm	nent:	
ISCO 2150 Area Velocity Flow Logger	\$ 25	\$ 100	\$ 400
Logging Rain Gage	10	40	125
Marsh-McBirney Hand-Held Current Meter	50	200	
FloWav Surface Velocity Radar	50	200	-
Logging Water Level - Pressure Transducer	10	40	125

2



ltem	Refelley	Rate/Week	Rate/Month
Logging Barometric Pressure Logger	10	40	125
Well Probe	20	80	
Bottom-Mounted Tripod / Mooring	25	100	400
Handheld Suspended Sediment Sampler	20	1	250
Water Quality Equipment:	Total Control of the		
Logging Turbidimeter/Water Level Recorder	\$ 25	\$ 100	\$ 400
In-Situ Troll 9500 logging water quality multiprobe	*	200	800
Logging Temperature Probe	3	10	40
Hach Hand-Held Turbidimeter Recording Conductivity Meter w/Datalogger	50	200 .	
Refractometer	20	80	
YSI Hand-Held Salinity Meter or pH meter	30	120	
Hand-Held Conductivity/Dissolved Oxygen Probe (YSI 85)	40	160	
Water Quality Sonde			800
YSI 650 with 6920 Multi Probe	180	500	1500
ISCO 6712 Portable Sampler w/ISCO 2105 Module	40	250	900
Sedimentation / Geotechnical Equipment:			
Peat Corer	\$ 75	\$ 300	:
60lb Helly-Smith Bedload Sampler with Bridge Crane	175	700	
Suspended Sediment Sampler with Bridge Crane	75	300	1
Vibra-core	100	400	:
Shear Strength Vane	50	200	:
Auger (brass core @ \$ 5/each)	20	80	
Boats:			
14 foot Aluminum Boats with 15 HP Outboard Motor	\$ 100	\$ 400	
Single or Double Person Canoe	30	120	
17' Boston Whaler w/ 90 HP Outboard	500	2,000	: }
8 Actual arginal charges will be either the IRS mileage raimburgament rate or the dai	ilu esta whichover ic	higher	

Actual project charges will be either the IRS mileage reimbursement rate or the daily rate, whichever is higher.
 GIS computer time will be charged at \$15,00 per hour.

III. Subcontracts

Subcontract services will be invoiced at cost multiplied by 1.15.

IV. Other

There shall be added to all charges set forth above amounts equal to any applicable sales or use taxes legally levied in lieu thereof, now or hereinafter imposed under the authority of a federal, state, or local taxing jurisdiction.

EXHIBIT B

PAYMENT ARRANGEMENTS Periodic Compensation

- A. For CONTRACTOR services to be rendered under this Agreement, CONTRACTOR shall be paid the base contract amount, including cost reimbursements, not to exceed \$172,900. The Director of Planning & Development or designee is authorized to approve changes or additions in the services being performed under this contract in an amount not to exceed \$14,100. COUNTY will provide CONSULTANT no compensation for such changes or additions in services being performed under this contract unless approved in advance and in writing by the COUNTY.
- B. Payment for services and /or reimbursement of costs shall be made upon CONTRACTOR's satisfactory performance, based upon the scope and methodology contained in **EXHIBIT A** as determined by COUNTY.
- C. Monthly, CONTRACTOR shall submit to the COUNTY DESIGNATED REPRESENTATIVE an invoice or certified claim on the County Treasury for the service performed over the period specified. These invoices or certified claims must cite the assigned Board Contract Number. COUNTY REPRESENTATIVE shall evaluate the quality of the service performed and if found to be satisfactory shall initiate payment processing. COUNTY shall pay invoices or claims for satisfactory work within 30 days of receipt of correct and complete invoices or claims from CONTRACTOR.
- D. COUNTY's failure to discover or object to any unsatisfactory work or billings prior to payment will not constitute a waiver of COUNTY's right to require CONTRACTOR to correct such work or billings or seek any other legal remedy.

EXHIBIT C

Indemnification and Insurance Requirements (For Professional Contracts)

INDEMNIFICATION

CONTRACTOR agrees to indemnify, defend (with counsel reasonably approved by COUNTY) and hold harmless COUNTY and its officers, officials, employees, agents and volunteers from and against any and all claims, actions, losses, damages, judgments and/or liabilities arising out of this Agreement from any cause whatsoever, including the acts, errors or omissions of any person or entity and for any costs or expenses (including but not limited to attorneys' fees) incurred by COUNTY on account of any claim except where such indemnification is prohibited by law. CONTRACTOR's indemnification obligation applies to COUNTY's active as well as passive negligence but does not apply to COUNTY's sole negligence or willful misconduct.

NOTIFICATION OF ACCIDENTS AND SURVIVAL OF INDEMNIFICATION PROVISIONS

CONTRACTOR shall notify COUNTY immediately in the event of any accident or injury arising out of or in connection with this Agreement. The indemnification provisions in this Agreement shall survive any expiration or termination of this Agreement.

INSURANCE

CONTRACTOR shall procure and maintain for the duration of this Agreement insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder and the results of that work by the CONTRACTOR, his agents, representatives, employees or subcontractors.

A. Minimum Scope of Insurance

Coverage shall be at least as broad as:

- Commercial General Liability (CGL): Insurance Services Office (ISO) Form CG 00 01 covering CGL on an "occurrence" basis, including products-completed operations, personal & advertising injury, with limits no less than \$1,000,000 per occurrence and \$2,000,000 in the aggregate.
- 2. Automobile Liability: ISO Form Number CA 00 01 covering any auto (Code 1), or if CONTRACTOR has no owned autos, hired, (Code 8) and non-owned autos (Code 9), with limit no less than \$1,000,000 per accident for bodily injury and property damage.
- 3. Workers' Compensation: as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than \$1,000,000 per accident for bodily injury or disease.
- Professional Liability (Errors and Omissions) Insurance appropriate to the CONTRACTOR'S profession, with limit of no less than \$1,000,000 per occurrence or claim, \$2,000,000 aggregate.

If the CONTRACTOR maintains higher limits than the minimums shown above, the COUNTY requires and shall be entitled to coverage for the higher limits maintained by the CONTRACTOR. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the COUNTY.

B. Other Insurance Provisions

The insurance policies are to contain, or be endorsed to contain, the following provisions:

- 1. Additional Insured COUNTY, its officers, officials, employees, agents and volunteers are to be covered as additional insureds on the CGL policy with respect to liability arising out of work or operations performed by or on behalf of the CONTRACTOR including materials, parts, or equipment furnished in connection with such work or operations. General liability coverage can be provided in the form of an endorsement to the CONTRACTOR's insurance at least as broad as ISO Form CG 20 10 11 85 or if not available, through the addition of both CG 20 10 and CG 20 37 if a later edition is used).
- 2. Primary Coverage For any claims related to this Agreement, the CONTRACTOR's insurance coverage shall be primary insurance as respects the COUNTY, its officers, officials, employees, agents and volunteers. Any insurance or self-insurance maintained by the COUNTY, its officers, officials, employees, agents or volunteers shall be excess of the CONTRACTOR's insurance and shall not contribute with it.
- 3. Notice of Cancellation Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the COUNTY.
- 4. Waiver of Subrogation Rights CONTRACTOR hereby grants to COUNTY a waiver of any right to subrogation which any insurer of said CONTRACTOR may acquire against the COUNTY by virtue of the payment of any loss under such insurance. CONTRACTOR agrees to obtain any endorsement that may be necessary to effect this waiver of subrogation, but this provision applies regardless of whether or not the COUNTY has received a waiver of subrogation endorsement from the insurer.
- 5. Deductibles and Self-Insured Retention Any deductibles or self-insured retentions must be declared to and approved by the COUNTY. The COUNTY may require the CONTRACTOR to purchase coverage with a lower deductible or retention or provide proof of ability to pay losses and related investigations, claim administration, and defense expenses within the retention.
- 6. Acceptability of Insurers Unless otherwise approved by Risk Management, insurance shall be written by insurers authorized to do business in the State of California and with a minimum A.M. Best's Insurance Guide rating of "A- VII".
- 7. Verification of Coverage CONTRACTOR shall furnish the COUNTY with proof of insurance, original certificates and amendatory endorsements as required by this Agreement. The proof of insurance, certificates and endorsements are to be received and approved by the COUNTY before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive the CONTRACTOR's obligation to provide them. The CONTRACTOR shall furnish evidence of renewal of coverage throughout the term of the Agreement. The COUNTY reserves the right to require complete, certified copies of all required insurance policies, including endorsements required by these specifications, at any time.
- 8. Failure to Procure Coverage In the event that any policy of insurance required under this Agreement does not comply with the requirements, is not procured, or is canceled and not replaced, COUNTY has the right but not the obligation or duty to terminate the Agreement. Maintenance of required insurance coverage is a material element of the Agreement and failure to maintain or renew such coverage or to provide evidence of renewal may be treated by COUNTY as a material breach of contract.

- Subcontractors CONTRACTOR shall require and verify that all subcontractors maintain insurance meeting all the requirements stated herein, and CONTRACTOR shall ensure that COUNTY is an additional insured on insurance required from subcontractors.
- 10. Claims Made Policies If any of the required policies provide coverage on a claims-made basis:
 - i. The Retroactive Date must be shown and must be before the date of the contract or the beginning of contract work.
 - ii. Insurance must be maintained and evidence of insurance must be provided for at least five (5) years after completion of contract work.
 - iii. If coverage is canceled or non-renewed, and not replaced with another claims-made policy form with a Retroactive Date prior to the contract effective date, the CONTRACTOR must purchase "extended reporting" coverage for a minimum of five (5) years after completion of contract work.
- 11. Special Risks or Circumstances COUNTY reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.

Any change requiring additional types of insurance coverage or higher coverage limits must be made by amendment to this Agreement. CONTRACTOR agrees to execute any such amendment within thirty (30) days of receipt.

Any failure, actual or alleged, on the part of COUNTY to monitor or enforce compliance with any of the insurance and indemnification requirements will not be deemed as a waiver of any rights on the part of COUNTY.