

BOARD OF DIRECTORS' MEETING ANNOUNCEMENT

DATE: Friday, November 18, 2016
TIME: 9:00 AM
PLACE: Carpinteria City Hall, 5775 Carpinteria Ave, Carpinteria, CA. 93013

MEETING AGENDA

1. **Call to Order, Roll Call and Introductions – Janet Wolf**
2. **Approval of Agenda and Filing of Certificate of Agenda Posting**
Action: Approve and file.
3. **Consideration and Approval of Minutes of the BEACON Meetings held on September 16, 2016.**
Action: Approve and file.
4. **Public Comment and Other Matters not on the Agenda**
 - a. Receive public comments.
5. **Reports**
 - a. Reports from legislative offices.
 - b. Boating and Waterways.
 - c. Cal Coast.
6. **Calendar Year 2017 Meeting Schedule**
 - a. Consider and adopt meeting schedule for Calendar Year 2017
7. **Auditor Controller Recommended Actions**
 - a. Receive and file the Budget-to-Actual report for the year-to-date period ending October 31, 2016 (Exhibit 1).
 - b. Authorize the Auditor-Controller's Office to make budgetary adjustments as follows: (requires 7/10th vote):
 - i. INCREASE Contributions and Donations \$ 2,500
 - ii. INCREASE Other Professional and Specialized \$ 2,500
8. **Refugio Oil Spill.**
 - a. Approve and authorize BEACON to partner with the Santa Barbara County Flood Control District to submit a joint grant application to fund modifications to certain South Coast Debris Basins as a potential restoration project to be considered in the National Resource Damage Assessment (NRDA) for the Refugio Oil Spill.
 - b. Find that the proposed action is related to the creation of a government funding mechanism and other fiscal activities which do not involve a commitment to any specific project which may result in a potentially significant physical impact on the environment, and is therefore not a project under the California Environmental Quality Act (CEQA) pursuant to Guideline Section 15378 (b)(4).
9. **Ocean Foresters.**
 - a. Receive a short presentation from Ocean Foresters and consider approving a letter of support for research grant opportunities involving harvesting seaweed to produce energy.



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

A California Joint Powers
Agency

Member Agencies

City of Carpinteria
City of Goleta
City of Oxnard
City of Port Hueneme
City of San Buenaventura
City of Santa Barbara
County of Santa Barbara
County of Ventura

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Santa Barbara, CA 93101

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

10. Coastal Adaptation Planning.

- a. Receive a fifteen minute presentation from BEACON Intern Claudia Avendano on Trends and Innovations in Coastal Adaptation Planning.

11. Executive Director's Report and Communications.

- a. Receive and file report from Executive Director.

Adjourn to next regular meeting, January 20, 2017, 9:00 AM Carpinteria City Hall

Disability Access

The City of Carpinteria Council Chambers is located on the ground floor of City Hall located at 5775 Carpinteria Ave, Carpinteria, CA. 93013 Fourth Floor of the County. The Council Chambers is wheelchair accessible. Accessible public parking is available behind the Council Chambers.

American Sign Language interpreters, Spanish language interpretation and sound enhancement equipment may be arranged by contacting the City Clerk (Fidela Garcia) by 4:00 p.m. on Friday before the Board meeting. Contact information for the City Clerk is (805) 684-5405.

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.

STAFF REPORT

Meeting Date: November 18, 2016
Agenda Item: #3

To: BEACON Board of Directors
From: Executive Director
Date November 18, 2016

Subject: Consideration and Approval of Minutes of BEACON Meeting held September 16, 2016

REQUIRED ACTION:

a. Approve and file.



A California Joint Powers Agency

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BEACON BOARD OF DIRECTORS' MEETING MINUTES

DATE: Friday, September 16, 2016

TIME: 9:00 AM

PLACE: City of Carpinteria, Council Hearing Room
5775 Carpinteria Avenue, Carpinteria, CA. 93013

Item	1	Call to Order, Roll Call and Introductions – Chair, Janet Wolf.
Minutes/ Actions:		<p>Directors Present:</p> <ul style="list-style-type: none"> • Jon Sharkey (City of Port Hueneme) • John Zaragoza (County of Ventura) • Janet Wolf (County of Santa Barbara) • Gregg Hart (City of Santa Barbara) • Paula Perotte (City of Goleta) • Christy Weir (City of Ventura) • Carmen Ramirez (City of Oxnard)

Item	2	<p>Approval of Agenda and Filing of Certificate of Agenda Posting Action: Approve and file</p>
Minutes/ Actions:		Approved.

Item	3	<p>Consideration and Approval of Minutes of the BEACON Meetings held on May 20, 2016. Action: Approve and file.</p>
Minutes/ Actions:		Approved.

Item	4	<p>Public Comment and Other Matters not on the Agenda Ms. Kiki Patsch, California Channel Islands State University. Ms. Patsch explained that is coastal geomorphologist studying the coast of California since 2001. With funding from the California Coastal Conservancy, the US Army Corps of Engineers, the Department of Boating and Waterways and with the Coastal Sediment Management Workgroup, she developed sediment budgets for the major littoral cells in California, inventoried the extent of coastal armoring along California’s 1100 miles of coastline, assessed the reductions to sand supply from the damming of rivers and the armoring of sea cliffs in the Santa Barbara and Oceanside littoral cells, and co-authored the book Living with the Changing California Coast. Ms. Patsch is currently an assistant professor in the environmental science and resource management department at Cal State Channel Islands and utilizing UAVs and LiDAR to quantify coastal change, and developing methodologies to assess storm-scale erosion of coastal bluffs and seacliffs with structure-from-motion photogrammetric techniques. She is also working with Dr. Gary Griggs researching sand supply changes to Malibu and updating the sediment budgets created 10 years prior. Ms. Patsch is very interested collaborating with BEACON with regards to the mutual interests of beach and cliff erosion, coastal resilience and beach nourishment.</p> <p>Mark Capron, Ocean Foresters. Mr. Capron indicated he was impressed with BEACON’s meeting agenda and in particular with the kelp anchor demonstration project. This project starts to address the concerns of the West Coast Ocean Acidification and Hypoxia Science Panel report. The essential message of the Science Panel report is that we need to remove carbon dioxide and dead organic matter from our coastal waters. The Ocean Foresters suggest doing so by growing and harvesting kelp as part of an integrated ecosystem of living shorelines. Globally, living shorelines include mangroves, coral reefs, sea grass, dune grass, and mounds of oysters or mussels. A mound of mussels would be an appropriate living shoreline for our counties. But</p>
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		the mussels cannot continue living, if the coastal water becomes too acidic. This concept titled "Big Picture Resilience via Ocean Forests" was Best Overall in the 2016 American Society of Civil Engineers' Innovation Contest. Mr. Capron requested that the Board allow at a future Board Meeting, a full presentation of this concept with some suggestions for how implementing coastal resilience and ocean restoration fits within BEACON's role.
Minutes/ Actions:	None.	

Item	5	Reports a. Reports from legislative offices. b. Boating and Waterways. c. Cal Coast.
Minutes/ Actions:	None.	

Item	6	Auditor Controller Recommended Actions a. Receive and file the Budget-to-Actual report for the year-to-date period ending June 30, 2016 (Exhibit 1)
Minutes/ Actions:	<ul style="list-style-type: none"> • Mr. Omar Arreola of Ventura County Auditor Controllers Office presented the Auditor Controller Recommended Action. • No discussion from the Board. • Public Comment: None. <p>BOARD ACTIONS:</p> <p>1. The Board approved unanimously the Auditor Controller Recommended Action.</p>	

BEACON BOARD OF DIRECTORS' MEETING MINUTES

DATE: Friday, September 16, 2016

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**PLACE: City of Carpinteria, Council Hearing Room
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Item	7	<p>BEACON's Role and Next Steps</p> <p>a. Receive presentation from the Executive Director regarding discussions with member agencies on BEACON's role.</p>
Minutes/ Actions:		<p>The Executive Director explained that, as previously presented to the Board, BEACON recognizes that its historic role (established over the past 20 years) needs to be redefined and updated in response to the projected changes in local and regional climate, storms and sea level rise as well as the evolving role the BEACON Member Agencies are taking individually to address these same issues. At the beginning of the 2016 BEACON released a Questionnaire to its Member Agencies surveying how and what BEACON can do to better serve them. The survey results confirmed that BEACON does and should provide climate related services and can play more important roles going forward.</p> <p>As a follow up to the questionnaire, BEACON Staff has scheduled a series of face to face meetings with the Planning Departments and Public Works Departments of BEACON's member agencies in order to garnish direct feedback on how BEACON can better serve its member agencies. The first of these face to face meetings occurred on September 14, 2016 at the Santa Barbara County offices. Gerald Comati, Jim Bailard and Marc Beyeler were in attendance for BEACON and will report on the feed-back received.</p> <p>The member agencies participating at the September 14, 2016 meeting were unified in their desire for BEACON to support them in the following ways:</p> <ul style="list-style-type: none"> • Provide a regional views point and expertise. • Provide technical assistance as possible especially in "gap" areas of the coast where more detailed modeling may be required. • Assistance/partner in securing grant funding. • Interest in using BEACON as a public forum to provide public education on the results of the recent SLR and flood inundation modeling and to present strategies for moving forward. <p>Director Hart: Director Hart indicated that any community outreach must be balanced in that both the SLR/inundation impacts as well as solution strategies are presented.</p>

BEACON BOARD OF DIRECTORS' MEETING MINUTES

DATE: Friday, September 16, 2016

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Item	8	<p>Santa Barbara County Debris Basin Removal Project</p> <p>a. Accept Grant funding from the Ocean Protection Council for Santa Barbara County Debris Basin Removal Project in the Amount of \$539,000.</p>
Minutes/ Actions:		<p>In the fall of 2015, the Ocean Protection Council (OPC) released a call for proposals for Proposition 1 (Water Quality, Supply, and Infrastructure Improvement Act of 2014) funded projects that could “provide more reliable water supplies, restore important species and habitat, and develop a more resilient and sustainably managed coast that can better withstand inevitable and unforeseen pressures in the coming decades”.</p> <p>BEACON Staff approached the Santa Barbara County Flood Control District to identify debris basin removal projects already in development that could greatly benefit from an infusion of supplemental grant funding. The Flood Control District identified two debris basin removals, one at Rattlesnake Creek and one at San Ysidro Creek. BEACON with the SB Flood Control District submitted a grant proposal to fund the removal of these two basins. In June of 2016 the OPC Commission awarded to BEACON the \$539,000 of requested funding for the projects. The total project cost is estimated at \$1,076,000. OPC will fund \$539,000, the Santa Barbara County Flood Control District will fund \$532,000 and BEACON will contribute \$5,000. While BEACON is contributing \$5,000 of its own funds, \$40,000 of the OPC funding will be available to fund BEACON staff and any necessary consultants to administer the Grant and develop a “Best Practices Manual”.</p> <p>Director Wolf: Chair Wolf congratulated the BEACON Staff and indicated that this success was very impressive.</p>

Item	9	<p>Kelp Anchor Demonstration Project</p> <p>a. Accept a donation from Goleta City Councilman Jim Farr from City Council fund to contribute towards the construction cost of Goleta Bay Kelp Anchor Demonstration Project in the Amount of \$4,000.</p> <p>b. Accept Grant funding through the FY 2016-2017 Goleta City Grant Program towards construction of the Kelp Anchor Demonstration Project in the Amount of \$2,500.</p> <p>c. Receive a status report on the project.</p>
Minutes/ Actions:		<p>Gerald Comati Program Manager for BEACON provided a power point presentation to the Board. At the end of 2010, BEACON agreed to perform as the Lead Agency in delivering an innovative project to demonstrate a method to re-establish kelp in Goleta Bay. The method was developed by Mr. Bob Kiel of the Seattle Aquarium and consists of the insertion of 212 three-foot long (2-inch square) granite columns that are water-jetted into the sandy sea bed of Goleta Bay. The re-establishment of a kelp bed in Goleta Bay is considered an environmental benefit to marine life as well as a recreational opportunity.</p> <p>To date, Mr. Bob Kiel and his team have installed to date one hundred and twenty one (121) of the permitted two hundred and twelve (212) kelp anchors. The remaining kelp anchors will be installed in the Fall 2016. The initial eleven anchors installed at the beginning of the year were video surveyed in May of 2016 and all of them had juvenile kelp attached. Consequentially, so far the project is looking very successful. Gerald explained that post project monitoring efforts will continue for the next two years.</p>

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Item	10	Intern a. Receive an informational report from the Executive Director introducing Claudia Avendano as the BEACON Intern.
Minutes/ Actions:	The Executive Director introduced the new BEACON Intern, Ms Claudia Avendano, a graduate student at USC. Ms Avendano made a presentation on her research at USC.	

Item	11	Executive Director's Report and Communications.
Minutes/ Actions:	• None	

Meeting Minutes by Gerald Comati, Program Manager, BEACON.

Adjourn to next regular meeting November 18, 2016 at 9:00 AM in Carpinteria City Hall

STAFF REPORT

Meeting Date: November 18, 2016
 Agenda Item: 6

To: BEACON Board of Directors
 From: Executive Director
 Date: November 18, 2016

Subject: Calendar Year 2017 Meeting Schedule

REQUIRED ACTION: Consider and adopt meeting schedule for
 Calendar Year 2017

DISCUSSION:

It is proposed that BEACON's usual bi-monthly meeting schedule continue for the calendar year 2017 starting on the 3rd Friday in January, and then continuing on the third Friday on alternating months. As before, all meetings will be in Carpinteria, unless otherwise designated by the Board.

The proposed remaining schedule is as follows:

- January 20, 2017
- March 17, 2017
- May 19, 2017
- July 21, 2017
- September 15, 2017
- November 17, 2017



A California Joint Powers Agency

Member Agencies

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 County of Santa Barbara
 County of Ventura

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STAFF REPORT

Meeting Date: November 18, 2016
Agenda Item: 7



To: BEACON Board of Directors
From: Ventura County Auditor-Controller's Office
Date: November 9, 2016

A California Joint Powers Agency

Subject: Auditor-Controller Recommended Actions
(Recommendation b requires 7/10^{ths} vote)

Member Agencies

Recommendations:

- a. Receive and file the Budget-to-Actual report for the year-to-date period ending October 31, 2016 (Exhibit 1).
- b. Authorize the Auditor-Controller's Office to make budgetary adjustments as follows: (requires 7/10th vote):

City of Carpinteria
 City of Goleta
 City of Oxnard
 City of Port Hueneme
 City of San Buenaventura
 City of Santa Barbara
 County of Santa Barbara
 County of Ventura

INCREASE	Contributions and Donations	\$ 2,500
INCREASE	Other Professional and Specialized	\$ 2,500

Santa Barbara Address:

105 East Anapamu, Suite 201
Santa Barbara, CA 93101

Discussion for Recommendation a:

Receive and file report from Ventura County Auditor-Controller's Office on Budget-to-Actual for Fiscal Year 2016-17 for the period ending October 31, 2016 (Exhibit 1).

Ventura Address:

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

Discussion for Recommendation b (requires 7/10ths vote):

To increase Contributions and Donations by \$ 2,500 to accommodate for City of Goleta – Kelp Anchor Demonstration Project Grant, accepted by BEACON's Board at September 16, 2016 Board Meeting.

Telephone:

(805) 662-6890

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To increase Other Professional and Specialized Services by \$ 2,500 to accommodate for Bob Kiel professional services in installing and reporting on the Kelp Anchor Demonstration Project.

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BEACON FUND 0025
YEAR TO DATE BUDGET TO ACTUAL FY 2016-17
FOR THE MONTH ENDING OCTOBER 31, 2016 (33.33% of year)

Unit	Account Number	Title	BUDGET			ACTUAL YTD				
			Adopted Budget	Budget Mod	Revised Budget	Actual	Encumbered	Total Revenue/Obligation	Variance Favorable (Unfavorable)	
UNASSIGNED FUND BALANCE										
		Beginning Balance	82,510		82,510	95,484.19		95,484.19	12,974.19	
	5995	Unassigned Fund Balance	82,510	-	82,510	95,484.19		95,484.19	12,974.19	
REVENUE										
5665	8911	Investment Income - (Interest Earnings)	430		430	(117.98)		(117.98)	(547.98)	-27%
5665	9371	Other Governmental Agencies - (Member Dues)	131,200		131,200	111,700.00		111,700.00	(19,500.00)	85%
		Total Revenue	131,630	-	131,630	111,582.02		111,582.02	(20,047.98)	85%
		TOTAL SOURCES	214,140	-	214,140	207,066.21		207,066.21	(7,073.79)	97%
EXPENDITURES										
5665	2072	Insurance	3,500		3,500	3,209.15		3,209.15	290.85	92%
5665	2131	Membership Dues (Cal Coast)	2,000		2,000	(500.00)		(500.00)	2,500.00	-25%
5665	2179	Miscellaneous Expenses (Admin/Legal - Bag Ban, Kelp Anchor Permits, Misc Office Exp. Permit /Planning Fees.	11,000		11,000	95.88		95.88	10,904.12	1%
5665	2183	Engineering and Technical Surveys (Tech Advisor- J Bailard, Proj Mgmt - COM3, Tech Services-SAIC)	62,000		62,000	17,010.00	45,800.00	62,810.00	(810.00)	101%
5665	2185	Attorney Services (Co of Sta Barbara)	12,000		12,000	-	12,000.00	12,000.00	-	100%
5665	2199	Other Professional & Spe Srvs (Accounting Srv - Co of Ventura, Biennial Audit, Marc Beyeler, Pam Baumgardner)	39,980		39,980	4,400.00	20,580.00	24,980.00	15,000.00	62%
5665	2292	Travel Expenses (Misc Payments, Travel & Conf.)	4,000		4,000	2,530.77		2,530.77	1,469.23	63%
		Total Overhead Expenditures	134,480	-	134,480	26,745.80	78,380.00	105,125.80	29,354.20	78%
5665	6101	Contingency	79,660		79,660	0.59		-	79,660.00	0%
		TOTAL EXPENDITURES	214,140	-	214,140	26,745.80	78,380.00	105,125.80	109,014.20	49%
		Ending Unassigned Fund Balance			-			180,320.41		

Note: Amounts with "()" in the ACTUAL column reflect FY15 accruals in excess of actual expenditures to date

STAFF REPORT

Meeting Date: November 18, 2016
Agenda Item: 8

To: BEACON Board of Directors
From: Executive Director
Date: November 9, 2016

Subject: Refugio Oil Spill

Required Action:

- a. Approve and authorize BEACON to partner with the Santa Barbara County Flood Control District to submit a joint grant application to fund modifications to certain South Coast Debris Basins as a potential project to be considered in the National Resources Assessment (NRDA) for the Refugio Oil Spill.
- b. Find that the proposed action is related to the creation of a government funding mechanism and other fiscal activities which do not involve a commitment to any specific project which may result in a potentially significant physical impact on the environment, and is therefore not a project under the California Environmental Quality Act (CEQA) pursuant to Guideline Section 15378 (b)(4).

DISCUSSION:

The following background information is provided on the California Department of Fish and Wildlife website:

“As a result of the Refugio Beach Oil Spill, State and Federal trustee agencies (trustees), in cooperation with local cities, counties, and other organizations, are working to assess the ecological injuries and human use losses caused by the spill. Through this process, known as a natural resource damage assessment (NRDA), the trustees intend to quantify the injuries to wildlife, habitat, and lost use of those resources, and to develop a restoration plan. The trustees will ultimately make a claim for funds from the responsible party to implement restoration projects designed to both restore and compensate for the injured resources and human activities.

One of the steps within the NRDA process is to identify potential restoration ideas that will then be evaluated within the Damage Assessment Restoration Plan (DARP). The trustees work with the public to select and implement restoration projects which are best suited to recover damages to injured wildlife, habitats or lost services. Examples of restoration include replanting wetlands, improving fish access sites, and restoring bird habitat.”
(<https://www.wildlife.ca.gov/OSPR/NRDA/Refugio>)

Staff has researched the NRDA process for the selection of projects that could be allocated funding resulting from the oil spill and believes that a “debris basin removal project” would compete well in the process. The NRDA selection criteria for the Refugio Oil Spill are listed below along with Staff’s assessment on how a debris basin removal project would meet each criterion.



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NRDA – Restoration Project Selection Criteria	BEACON Staff Assessment of a “Debris Basin Removal Project” against the selection criteria
Nexus to Injured Resources	The NRDA process identified a number of injured resource categories towards which restoration projects would be considered. The list of categories included “Sandy Beach Habitat” and “Subtidal Habitat”. Contaminated sand was removed with the oil spill clean-up and therefore any project restoring the removed sand would benefit the Sandy Beach Habitat and Subtidal Habitat resources. A debris basin removal project on an existing creek will remove a significant obstacle to the natural transport of sediment from the creek to the coast.
Technical Feasibility	Debris basin removal projects have and are being done in Santa Barbara County very successfully and easily.
No Duplicate or Replacement Funding	The debris basin removal project that would be offered as a candidate is not currently funded.
Legality	No legal obstacles to the delivery of a debris basin removal project.
Likelihood of Success	If a debris basin is removed from a creek, sediment that is normally trapped in the basin will be allowed to flow naturally to the coast during storm events. By allowing this enhanced sediment transport to the coast the coastal beaches downstream of the creek mouth will benefit with a wider beach. This benefit will be forever unless the creek is obstructed again in the future.
Cost Effectiveness	The cost to remove a debris basin is not a very expensive endeavor. Depending on the specifics of the location, the delivery costs (environmental, design, construction and monitoring) vary from \$500K to \$1M.
Multiple Resource Benefits	When more sediment (sand) reaches the coast the benefits are to the natural coastal beach habitat, recreation, as well as a defense against sea level rise storm surges.
Duration of Benefits	The duration of the benefits of a debris basin removal is continuous.
Public Health and Safety	Assuming the debris basin removal project is completed per the required permit conditions and complying with industry design standards.
Avoidance of Adverse Impacts	The removal of debris basin constitutes a positive environmental impact.
Opportunities for Collaboration	This application is a joint application with the Santa Barbara County Flood Control District which will be responsible for the delivery of a debris basin removal projects.

On November 8, 2016 the Santa Barbara County Flood Control District Board authorized The Flood Control District to proceed with a joint grant application to NRDA to fund modifications to certain South Coast Debris Basins as a restoration project for the Refugio Oil Spill.

STAFF REPORT

Meeting Date: November 18, 2016
Agenda Item: 9

To: BEACON Board of Directors
From: Executive Director
Date: November 9, 2016

Subject: Ocean Foresters

Required Action:

- a. Receive a short presentation from Ocean Foresters and consider approving a letter of support for research grant opportunities involving harvesting seaweed to produce energy.

DISCUSSION:

Ocean Foresters is a non-profit organization headquartered in Ventura California that was established in 2012. Ocean Foresters participants are marine biologists and engineers pursuing marine biological innovations to address climate change challenges and other issues. Mr. Mark Capron is the principal of the organization and is seeking a letter of support from BEACON for grant funding opportunities.



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STAFF REPORT

Meeting Date: November 18, 2016
Agenda Item: 10

To: BEACON Board of Directors
From: Executive Director
Date: November 9, 2016

Subject: Coastal Adaptation Planning

Required Action:

- a. Receive a fifteen minute presentation from BEACON Intern, Claudia Avendano on Trends and Innovations in Coastal Adaptation Planning.

DISCUSSION:

The BEACON Intern Claudia Avendano (introduced to the Board at the September 16, 2016 Board Meeting), will make a brief power point presentation on current Trends and Innovations related to Coastal Adaptation Planning.



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