

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Division of Water Resource Management

Beach Management Funding Assistance Program

Fixed Capital Outlay Local Government Funding Requests Fiscal Year 2015-16

January 22, 2015



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
Fiscal Year 2015-16 Local Government Funding Requests

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INTRODUCTION

Florida is dependent on its 825 miles of sandy beaches fronting the Atlantic Ocean, Gulf of Mexico and Straits of Florida for storm protection for public infrastructure and private upland development, the enjoyment of its residents and non-resident tourists and boosting the state's economy. Critical habitat for many species, including many that are endangered and threatened, is also provided along the state's sandy shoreline. Each state dollar spent protecting Florida's beaches with widespread public access prevents the loss of \$8 in state taxes paid by out-of-state tourists and resident users of Florida's beaches (Florida Atlantic University, 2003).

Florida's beach management program, pursuant to Chapter 161, Florida Statutes (F.S.), the "Beach and Shore Preservation Act", provides for a variety of local government-sponsored erosion control activities (e.g., feasibility and design studies, construction of erosion control structures and engineered sand placement and post-construction monitoring to document project performance and potential impacts). Restoration involves the initial placement of sand to rebuild a beach that has been severely eroded. Beach nourishment, or periodic maintenance, places sand on previously restored beaches at specific intervals based on project performance in order to maintain original design intent, such as storm protection, recreational beach area and habitat enhancement. Inlet management and inlet sand bypassing is also critical to account for the disruption of sand transport along the shoreline caused by dredging and stabilization of inlets.

Pursuant to Sections 161.091, 161.101, 161.143 and 161.161, F. S., the Florida Department of Environmental Protection (DEP) is charged with developing and implementing a comprehensive, long-range statewide beach management plan. DEP has developed, in coordination with local sponsors and the United States Army Corps of Engineers (USACE), a Strategic Beach Management Plan (SBMP), Long Range Budget Plan (LRBP) and annual inventory of beach erosion control projects proposing activities for FY 2015-16. The SBMP adopts strategies for erosion control activities along critically eroded beaches and inlets. Projects must have a clearly identifiable beach management benefit consistent with the SBMP to be eligible for state funding assistance.

DEP currently designates 407.3 miles of sandy shoreline as critically eroded. Since 1998, when the Florida Legislature dedicated a portion of the Ecosystem Management and Restoration Trust Fund for beach management, \$626.6 million has been appropriated to cost-share with local governments on local and federally authorized projects, with each level of government contributing about one-third of the cost of the entire program. This has resulted in the restoration and subsequent maintenance of more than 227.8 miles, or nearly 56 percent, of the state's critically eroded beaches.

The funding requests for FY 2015-16 consist of 57 projects which total nearly \$101 million. The prioritized list of beach erosion control projects is organized in two sections: "Beach Restoration and Nourishment Projects" and "Inlet Sand Bypassing/Inlet Management Plan Implementation Projects." Each section contains a list of eligible projects ranked in priority order, based on the authority in Sections 161.101 and 161.143, F. S., and the procedures outlined in Chapter 62B-36, Florida Administrative Code. Projects have been evaluated by DEP for consistency with the SBMP, permitting status, readiness to proceed with the proposed funding phase and the appropriateness of the amount of funding requested.

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BEACH RESTORATION AND NOURISHMENT PROJECTS

DEP has developed a multi-year repair and maintenance strategy to implement the state responsibilities for a comprehensive, long-range statewide program of beach erosion control, including beach restoration, nourishment and storm protection. The principles of this strategy are to:

- Maximize the infusion of beach-quality sand into the coastal system;
- Implement projects that contribute most significantly to addressing the state's beach erosion problems;
- Extend the life of beach restoration projects and reduce the frequency of nourishment;
- Encourage regional approaches to ensure the geographic coordination and sequencing of projects; and
- Reduce equipment mobilization and demobilization costs.

The funding requests for 45 Beach Restoration and Nourishment Projects (Beach Projects) for FY 2015-16 total more than \$91 million. Projects are presented in the following order:

- Post-construction monitoring list;
- Beach Restoration and Nourishment Projects; and
- Regional Monitoring.

Projects have been evaluated by DEP and ranked in priority order. The descriptions of the proposed projects are based primarily on information provided by local governments. Funding eligibility and state cost share are calculated individually for each project based on the public access, as defined by program rule, but have yet to be field verified.

A summary funding table of the beach restoration and nourishment projects, in priority order as described above, is provided herein.

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BEACH RESTORATION AND NOURISHMENT PROJECTS

Rank	Project	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
	Post-Construction Monitoring (1)	Various	Monitoring	\$132,619	\$2,684,976	\$3,592,042	\$6,409,637	2,684,976
1	Venice Beach Nourishment/Sarasota County Shore Protection Project (2)	City of Venice	Construction	\$13,873,335	\$1,100,911	\$1,249,454	\$16,223,700	3,785,887
2	Duval County Shore Protection Project	City of Jacksonville	Design, Construction	\$2,596,120	\$726,848	\$812,759	\$4,135,727	4,512,735
3	Walton County Hurricane and Storm Damage Reduction Project	Walton County	Construction	\$17,191,160	\$10,520,990	\$33,684,850	\$61,397,000	15,033,725
4	Ft. Pierce Shore Protection Project	St. Lucie County	Design	\$0	\$100,000	\$100,000	\$200,000	15,133,725
5	Brevard County Shore Protection Project/ North & South Reaches	Brevard County	Design	\$0	\$39,262	\$44,738	\$84,000	15,172,987
6	Broward County Shore Protection Project/ Segment III	Broward County	Design	\$1,403,040	\$496,486	\$500,474	\$2,400,000	15,669,473
7	Blind Pass Ecozone Restoration	Lee County	Design	\$0	\$60,000	\$60,000	\$120,000	15,729,473
8	South Amelia Island Beach Nourishment	Nassau County/SAISSA	Design	\$0	\$117,630	\$182,370	\$300,000	15,847,103
9	Upham Beach Groin Replacement	Pinellas County	Design, Construction	\$0	\$4,566,500	\$4,566,500	\$9,133,000	20,413,603

- (1) Environmental and physical monitoring required by state and federal permits after the first year of monitoring has been consolidated on the Post-Construction Monitoring list. A total of 23 previously constructed projects require monitoring activities for FY 2014-15. A complete monitoring project listing can be found on page 12. First-year monitoring has been included with construction funds.
- (2) Project proposes an offshore borrow source located outside of the subregion boundaries and affected local sponsors have been notified, pursuant to Section 161.144, F.S.
- (3) Federal funding is provided by the Federal Emergency Management Agency (FEMA) for storm recovery nourishment.
- (4) Project includes funding for reimbursement for construction that has either been completed prior to the funding request submittal or that will be completed prior to the end of FY 2013-14.

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BEACH RESTORATION AND NOURISHMENT PROJECTS (CONT'D)

Rank	Project	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
10	Longboat Key Beach Nourishment (3)	Town of Longboat Key	Design, Construction	\$3,518,419	\$1,598,463	\$5,415,418	\$10,532,300	22,012,067
11	Charlotte County Beach Restoration	Charlotte County	Feasibility, Design, Construction	\$0	\$3,561,747	\$4,399,243	\$7,960,990	25,573,813
12	Nassau County Shore Protection Project	City of Fernandina Beach	Construction	\$632,800	\$107,834	\$124,366	\$865,000	25,681,647
13	Jupiter Island Beach Nourishment (3)	Town of Jupiter Island	Design, Construction	\$3,227,439	\$1,615,453	\$10,632,108	\$15,475,000	27,297,100
14	North Boca Raton Segment/ Palm Beach County Shore Protection Project	City of Boca Raton	Design	\$287,700	\$106,150	\$106,150	\$500,000	27,403,250
15	Anna Maria Island Cortez Groins Replacement	Manatee County	Construction	\$0	\$2,845,675	\$2,845,675	\$5,691,350	30,248,925
16	Collier County Beach Nourishment (3)	Collier County	Construction	\$1,424,375	\$1,526,035	\$2,255,961	\$5,206,371	31,774,961
17	Bonita Beach Nourishment (4)	Lee County	Design, Construction	\$0	\$693,527	\$1,351,673	\$2,045,200	32,468,488
18	Navarre Beach Nourishment (3)	Santa Rosa County	Design, Construction	\$2,317,187	\$8,355,034	\$8,355,034	\$19,027,255	40,823,522
19	South Siesta Key Beach Nourishment	Sarasota County	Design, Construction	\$0	\$6,761,688	\$11,093,312	\$17,855,000	47,585,210
20	South St. Lucie Beach Restoration (4)	St. Lucie County	Construction	\$0	\$27,834	\$36,166	\$64,000	47,613,044

- (1) Environmental and physical monitoring required by state and federal permits after the first year of monitoring has been consolidated on the Post-Construction Monitoring list. A total of 23 previously constructed projects require monitoring activities for FY 2014-15. A complete monitoring project listing can be found on page 12. First-year monitoring has been included with construction funds.
- (2) Project proposes an offshore borrow source located outside of the subregion boundaries and affected local sponsors have been notified, pursuant to Section 161.144, F.S.
- (3) Federal funding is provided by FEMA for storm recovery nourishment.
- (4) Project includes funding for reimbursement for construction that has either been completed prior to the funding request submittal or that will be completed prior to the end of FY 2013-14.

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BEACH RESTORATION AND NOURISHMENT PROJECTS (CONT'D)

Rank	Project	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
21	Broward County Shore Protection Project/ Segment II	Broward County	Construction	\$7,730,820	\$2,783,569	\$3,521,231	\$14,035,620	50,396,613
22	South Marco Island Nourishment (3)	Collier County	Construction	\$161,194	\$111,905	\$424,037	\$697,136	50,508,518
23	South Boca Raton Beach Nourishment (4)	City of Boca Raton	Construction	\$0	\$820,375	\$857,284	\$1,677,659	51,328,893
24	Central Boca Raton Beach Nourishment	City of Boca Raton	Construction	\$0	\$3,903,637	\$5,482,363	\$9,386,000	55,232,530
25	Hallandale Beach Nourishment	City of Hallandale	Design	\$0	\$367,537	\$382,538	\$750,075	55,600,067
26	Juno Beach Nourishment	Palm Beach County	Design, Construction	\$0	\$9,125,000	\$9,125,000	\$18,250,000	64,725,067
27	Mid-Town Beach Nourishment	Town of Palm Beach	Design, Construction	\$0	\$7,487,604	\$8,789,796	\$16,277,400	72,212,671
28	Bathtub Beach/Sailfish Point Beach Nourishment	Martin County	Design, Construction	\$0	\$2,800,000	\$2,800,000	\$5,600,000	75,012,671
29	Brevard County Shore Protection Project/ Mid-Reach Segment	Brevard County	Design, Construction	\$5,346,000	\$1,941,387	\$2,848,613	\$10,136,000	76,954,058
30	Flagler County Hurricane and Storm Damage Reduction Project (4)	Flagler County	Feasibility, Design	\$1,171,800	\$337,800	\$337,800	\$1,847,400	77,291,858
31	Phipps Ocean Park Beach Nourishment	Town of Palm Beach	Construction	\$0	\$6,851,793	\$10,716,907	\$17,568,700	84,143,651

- (1) Environmental and physical monitoring required by state and federal permits after the first year of monitoring has been consolidated on the Post-Construction Monitoring list. A total of 23 previously constructed projects require monitoring activities for FY 2014-15. A complete monitoring project listing can be found on page 12. First-year monitoring has been included with construction funds.
- (2) Project proposes an offshore borrow source located outside of the subregion boundaries and affected local sponsors have been notified, pursuant to Section 161.144, F.S.
- (3) Federal funding is provided by FEMA for storm recovery nourishment.
- (4) Project includes funding for reimbursement for construction that has either been completed prior to the funding request submittal or that will be completed prior to the end of FY 2013-14.

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Rank	Project	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
32	Perdido Key Beach Restoration	Escambia County	Design, Construction	\$0	\$4,155,244	\$8,417,356	\$12,572,600	88,298,895
33	Rest Beach Nourishment	City of Key West	Construction	\$195,866	\$438,867	\$438,867	\$1,073,600	88,737,762
34	Marathon Beaches Nourishment (3) (4)	City of Marathon	Construction	\$144,852	\$26,913	\$26,913	\$198,678	88,764,675
35	South Ponte Vedra/ Vilano Beach/Summer Haven Beach Restoration	St. Johns County	Feasibility	\$350,000	\$306,500	\$306,500	\$963,000	89,071,175
36	Key Biscayne Beach Nourishment (4)	Village of Key Biscayne	Construction	\$0	\$1,207,500	\$1,207,500	\$2,415,000	90,278,675
37	Coral Cove Park Dune Nourishment (4)	Palm Beach County	Construction	\$0	\$425,000	\$425,000	\$850,000	90,703,675
38	Southern Palm Beach Island Restoration	Palm Beach County	Feasibility, Design	\$0	\$172,000	\$258,000	\$430,000	90,875,675
39	Vero Beach Restoration	Indian River County	Feasibility	\$0	\$50,000	\$50,000	\$100,000	90,925,675
40	Regional Monitoring	DEP	Monitoring		\$250,000		\$250,000	91,175,675
	TOTAL			\$61,704,726	\$91,175,675	\$147,823,996	\$300,704,398	

- (1) Environmental and physical monitoring required by state and federal permits after the first year of monitoring has been consolidated on the Post-Construction Monitoring list. A total of 23 previously constructed projects require monitoring activities for FY 2014-15. A complete monitoring project listing can be found on page 12. First-year monitoring has been included with construction funds.
- (2) Project proposes an offshore borrow source located outside of the subregion boundaries and affected local sponsors have been notified, pursuant to Section 161.144, F.S.
- (3) Federal funding is provided by FEMA for storm recovery nourishment.
- (4) Project includes funding for reimbursement for construction that has either been completed prior to the funding request submittal or that will be completed prior to the end of FY 2013-14.

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INLET SAND BYPASSING/ INLET MANAGEMENT PLAN IMPLEMENTATION PROJECTS

Navigational inlets are critical components of the state's commercial and recreational infrastructure, but they contribute significantly to beach erosion by interrupting or altering the natural drift of sand. For this reason, the Florida Legislature has directed DEP to further commit its comprehensive beach management efforts to addressing beach erosion caused by inlets. Inlet management activities are conducted under the provisions of Section 161.161, F. S., for the purposes of evaluating the erosive impact of the inlets on adjacent beaches and recommending corrective measures to mitigate identified impacts. Such inlet management projects include, but are not limited to, inlet sand bypassing, modifications to channel dredging, jetty redesign, jetty repair, disposal of dredged material and the development, revision, adoption or implementation of an inlet management plan.

Funding for the inlet projects will be used to implement the actions recommended in the specific Inlet Management Plans (IMP) or the statewide SBMP. IMPs adopted by DEP are incorporated into the SBMP by reference along with other inlet management strategies. Feasibility studies conducted by local governments, federal and state studies and reports, and the study reports authorizing federal shore protection projects are also incorporated by reference.

In FY 2015-16, funding requests for 12 Inlet Sand Bypassing/Inlet Management Plan Implementation Projects (Inlet Projects) are included in the Beach Management Funding Assistance Program. These projects total nearly \$10 million in requested state funding. The funding priorities established by DEP must be consistent with the requirements and legislative declaration in Sections 161.101(14), 161.142, 161.143 and 161.161(1)(b), F.S.

In 2008, the Legislature amended Section 161.142, F.S., and created Section 161.143, F.S., to strengthen DEP's commitment to managing sediment around inlets. These sections directed DEP to develop and maintain sediment budgets for each inlet and ensure beach quality sand is placed on adjacent eroding beaches. It further established funding priorities and ranking criteria for inlet projects and require DEP to provide an annual inlet project list to the Legislature for funding. Program rule 62B-36, Florida Administrative Code, was amended in August 2013 to incorporate new ranking criteria specific to inlet projects. These new criteria were used in ranking projects for FY 2015-16.

The funding requirements provided in Section 161.143, F.S., also include provisions that:

- At least 10 percent of the total amount that the Legislature appropriates will be used for the three highest-ranked inlet projects;
- At least 50 percent of the funds appropriated for the feasibility and design category will be made available for inlet management projects which involve the study, design or development of an inlet management project; and
- Inlet projects may receive 75 percent state cost share for the proposed activity.

A summary funding table of inlet sand bypassing/inlet management plan implementation projects is provided herein. This summary table is followed by the beach restoration and nourishment project descriptions in the same priority order as provided in the summary funding table. Finally, descriptions of the individual inlet projects complete this document.

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INLET SAND BYPASSING/INLET MANAGEMENT PLAN IMPLEMENTATION PROJECTS

Rank	Project Name	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
1	Port Canaveral IMP Implementation	Canaveral Port Authority	Design, Construction, Monitoring	\$11,850,000	\$160,500	\$53,500	\$12,064,000	\$160,500
2	Lake Worth IMP Implementation	Town of Palm Beach	Monitoring	\$0	\$46,500	\$15,500	\$62,000	\$207,000
3	Longboat Pass IMP Implementation	WCIND, Town and County	Design, Construction	\$0	\$4,963,900	\$1,654,633	\$6,618,533	\$5,170,900
4	St. Lucie Inlet IMP Implementation (1)	Martin County	Construction	\$0	\$1,452,828	\$484,276	\$1,937,104	\$6,623,728
5	Port Everglades IMP Implementation	Broward County	Design	\$0	\$738,750	\$246,250	\$985,000	\$7,362,478
6	Ft. Pierce Inlet IMP Implementation	St. Lucie County	Design	\$0	\$675,000	\$225,000	\$900,000	\$8,037,478
7	South Lake Worth Inlet IMP Implementation	Palm Beach County	Monitoring	\$0	\$53,662	\$17,888	\$71,550	\$8,091,140
9	Sebastian IMP Implementation (1)	Sebastian Inlet District	Construction, Monitoring	\$0	\$741,000	\$247,000	\$988,000	\$8,832,140
8	Boca Inlet IMP Implementation	City of Boca Raton	Construction, Monitoring	\$0	\$384,300	\$128,100	\$512,400	\$9,216,440
10	Venice IMP Implementation	WCIND	Construction	\$0	\$273,750	\$91,250	\$365,000	\$9,490,190
11	Big Carlos Pass Inlet Study	WCIND	Feasibility	\$0	\$109,500	\$36,500	\$146,000	\$9,599,690
12	Southwest Gulf Coast Regional Inlet Study	WCIND	Feasibility	\$0	\$187,500	\$62,500	\$250,000	\$9,787,190
	TOTAL			\$11,850,000	\$9,787,190	\$3,262,397	\$24,899,587	

(1) Project includes funding for reimbursement for construction that has either been completed prior to the funding request submittal or that will be completed prior to the end of FY2013/14.

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BEACH RESTORATION AND NOURISHMENT POST-CONSTRUCTION MONITORING

PROJECT DESCRIPTION:

This category serves to provide funding for monitoring activities associated with previously constructed projects. Eligible program activities include physical and biological monitoring required by permit.

FUNDS REQUESTED:

Funds will be used to support the following projects identified in priority order. First year monitoring required by permit is included in the construction funds on the beach projects list. "Credits" derived from the pro-ration of the post-construction monitoring list from funding shortfalls since FY 2012-13 may have been added to the FY 2015-16 list.

Project	Federal	State	Local	Total
Venice Beach Nourishment	\$0	\$265,905	\$301,782	\$567,687
St. Johns County Shore Protection Project	\$0	\$67,518	\$87,482	\$155,000
Ft. Pierce Shore Protection Project	\$0	\$135,000	\$135,000	\$270,000
Brevard County Shore Protection Project/ North & South Reaches	\$0	\$372,144	\$424,056	\$796,200
Jupiter/Carlin Segment- Palm Beach County Shore Protection Project	\$0	\$100,000	\$100,000	\$200,000
South Amelia Island Beach Nourishment	\$0	\$139,509	\$216,291	\$355,800
Upham Beach Groin Replacement	\$0	\$9,200	\$9,200	\$18,400
Longboat Key Beach Nourishment	\$35,219	\$59,204	\$200,577	\$295,000
Jupiter Island Beach Nourishment	\$0	\$46,165	\$303,835	\$350,000
North Boca Raton Segment/ Palm Beach County Shore Protection Project	\$0	\$127,500	\$127,500	\$255,000
Pensacola Beach Nourishment	\$0	\$14,975	\$14,975	\$29,950
Wabasso Beach Restoration (5)	\$0	\$225,000	\$225,000	\$450,000
Collier County Beach Nourishment	\$0	\$152,281	\$225,119	\$377,400
Ocean Ridge Segment- Palm Beach County Shore Protection Project	\$97,400	\$51,300	\$51,300	\$200,000
Martin County Shore Protection Project	\$0	\$342,300	\$357,700	\$700,000
Bonita Beach Nourishment	\$0	\$33,910	\$66,090	\$100,000
South Siesta Key Beach Nourishment	\$0	\$123,077	\$201,923	\$325,000
South St. Lucie Beach Restoration	\$0	\$239,195	\$310,805	\$550,000
South Marco Island Nourishment	\$0	\$17,038	\$64,562	\$81,600
South Boca Raton Beach Nourishment	\$0	\$66,015	\$68,985	\$135,000
Central Boca Raton Beach Nourishment	\$0	\$5,240	\$7,360	\$12,600
Marathon Beaches Nourishment	\$0	\$5,000	\$5,000	\$10,000
Key Biscayne Beach Nourishment	\$0	\$87,500	\$87,500	\$175,000
TOTAL	\$132,619	\$2,684,976	\$3,592,042	\$6,409,637

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NAME OF PROJECT: Venice Beach Segment, Sarasota County Shore Protection Project

LOCAL SPONSOR: City of Venice

LOCAL CONTACT: Kathleen Weeden

PHONE: (941) 486-2626

PROJECT DESCRIPTION:

Nourishment of 3.3 miles of shoreline between DEP Monuments R116 - R133 in Sarasota County, a portion of the federally authorized Sarasota County Shore Protection Project. Restoration was completed in 1996. Nourishment was completed in 2005. Federal nourishment is scheduled for FY 2014-15 to repair damages sustained during Tropical Storm Debby. Staff has determined that 93.68 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Construction (partial funding is already in contract) and Year 1 monitoring.

Federal	State	Local	Total
\$13,873,335	\$1,100,911	\$1,249,454	\$16,223,700

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NAME OF PROJECT: Duval County Shore Protection Project

LOCAL SPONSOR: Duval County

LOCAL CONTACT: Thomas W. Heal, P.E.

PHONE: (904) 255-8749

PROJECT DESCRIPTION:

Nourishment of approximately 10.1 miles of Atlantic shoreline between DEP Monuments R31 - R80. Initial restoration of this federal project occurred in 1978 and 1980. Additional nourishments occurred in 1985, 1987, 1991, 1995, 2003, 2005 and 2011. Design of the next nourishment is ongoing and construction is anticipated for 2016. Staff has determined that 94.41 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design, Construction (partial funding is already in contract) and Year 1 monitoring.

Federal	State	Local	Total
\$2,596,120	\$726,848	\$812,759	\$4,135,727

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NAME OF PROJECT: Walton County Hurricane and Storm Damage Reduction Project

LOCAL SPONSOR: Walton County

LOCAL CONTACT: James Bagby

PHONE: (850) 267-1216

PROJECT DESCRIPTION:

Nourishment of one segment of shoreline from R1-R23.6 and restoration of four additional segments between R41-R64, R66.5-R72, R77.5-R98.5 and R105-R127.8, totaling 19.5 miles of shoreline in Walton County. The project was federally authorized in 2014 and is anticipated to begin construction in late 2015. Staff has determined that 47.6 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Construction.

Federal	State	Local	Total
\$17,191,160	\$10,520,990	\$33,684,850	\$61,397,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Ft. Pierce Shore Protection Project

LOCAL SPONSOR: St. Lucie County

LOCAL CONTACT: Richard Bouchard

PHONE: (772) 462-1710

PROJECT DESCRIPTION:

Nourishment of approximately 1.3 miles of shoreline between DEP Monuments R34 - R41 in St. Lucie County. The federal Ft. Pierce Shore Protection Project was initially constructed in 1971, with nourishment in 1980, 1999, 2003, 2004, 2005, 2007, 2009 and 2012. Emergency truck haul nourishment was conducted in 2011 from R34-R35, with federal nourishment following in 2012. Construction of the federal emergency nourishment was completed in 2013 and beach placement of the dredging of the inlet was completed in 2014. The U.S. Army Corps of Engineers recently awarded a contract for construction of the next federal nourishment planned for 2014-15. Staff has determined that 100 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design (General Revaluation Report and permit renewal).

Federal	State	Local	Total
\$0	\$100,000	\$100,000	\$200,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Brevard County Shore Protection Project - North and South Reaches

LOCAL SPONSOR: Brevard County

LOCAL CONTACT: Mike McGarry

PHONE: (321) 633-2016 ext. 52696

PROJECT DESCRIPTION:

Nourishment of approximately 13.6 miles of shoreline located between DEP Monuments R1 - R54.5 and R118.3 - R139 in Brevard County. The project consists of two reaches. The North Reach is approximately 9.8 miles in length and is located immediately south of Port Canaveral. Initial restoration of the North Reach was completed in 2001. The South Reach is approximately 3.8 miles in length. Initial restoration for the South Reach was completed in 2003 and nourishment was completed in 2010. Nourishment of both segments was completed in 2014. This event included storm repairs for damages sustained during Hurricane Sandy. Staff has determined that 95.28 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design (South Reach).

Federal	State	Local	Total
\$0	\$39,262	\$44,738	\$84,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Segment III - Broward County Shore Protection Project

LOCAL SPONSOR: Broward County

LOCAL CONTACT: Nicole Sharp

PHONE: (954) 519-1231

PROJECT DESCRIPTION:

Nourishment of shoreline from Port Everglades Inlet south to R128 in Broward County. The Segment III project in 2005-06 placed approximately 1.85 million cubic yards of sand from an offshore borrow site along 6.82 miles of shoreline (R86-R92 and R99-R128). The project also included the construction of a spur connected to the south jetty of Port Everglades Inlet, installation of two T-head groins offshore of John U. Lloyd State Park and construction of 8.9 acres of artificial reef as mitigation. The project is in the design phase for construction 8.2 miles of shoreline in winter of 2017-18. Staff has determined that 99.6 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design.

Federal	State	Local	Total
\$1,403,040	\$496,486	\$500,474	\$2,400,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Blind Pass Ecozone Restoration

LOCAL SPONSOR: Lee County

LOCAL CONTACT: Justin McBride

PHONE: (239) 533-8130

PROJECT DESCRIPTION:

Ecosystem restoration project to maintain flushing with Pine Island Sound between DEP Monuments R109 - R118 in Lee County. Channel was restored in 2009 with supplemental dredging in 2012-13. Dredge material is placed on downdrift critically eroded shoreline on Sanibel Island. Design is ongoing for the next placement event. Staff has determined that 100 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design.

Federal	State	Local	Total
\$0	\$60,000	\$60,000	\$120,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: South Amelia Island Beach Nourishment

LOCAL SPONSOR: Nassau County with South Amelia Island Shore Stabilization Association

LOCAL CONTACT: Bill Moore

PHONE: (904) 277-5103

PROJECT DESCRIPTION:

Nourishment of approximately 3.4 miles of shoreline between DEP Monuments R60 – R79 in Nassau County. Restoration was completed in 1994 with subsequent placement of sand dredged from the Atlantic Intracoastal Waterway in 1997 and 2001. Nourishment was completed in 2002 with cost sharing between the South Amelia Island Shore Stabilization Association and DEP's Division of Recreation and Parks. Construction of a terminal groin and breakwater was completed in 2005. Nourishment was completed again in 2011. Staff has determined that 78.41 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design (sand search).

Federal	State	Local	Total
\$0	\$117,630	\$182,370	\$300,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Long Key/Upham Beach Erosion Control Structures

LOCAL SPONSOR: Pinellas County

LOCAL CONTACT: John Bishop

PHONE: (727) 464-8766

PROJECT DESCRIPTION:

Design of beach nourishment and design and construction of permanent rock structures to stabilize approximately 3,788 feet of shoreline located at Upham Beach at the north end of Long Key between DEP Monuments R144 - R146 in Pinellas County. The federal project was initially constructed in 1980 with nourishment occurring on a four-year cycle. Five geotextile groins were installed to improve the nourishment interval to six years. Construction of the nourishment project and interim repair of damaged geotextile groins was completed in 2011. A federal feasibility study to determine the amount of federal participation in the construction of permanent structures is scheduled for FY 2015-16. DEP issued a Joint Coastal Permit for the construction of the permanent structures on October 30, 2012. Staff has determined that 100 percent of the project area is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design (permanent rock structures and supplemental nourishment) and construction (reimbursement for geotube repairs and new construction of permanent rock structures).

Federal	State	Local	Total
\$0	\$4,566,500	\$4,566,500	\$9,133,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Longboat Key Beach Nourishment

LOCAL SPONSOR: Town of Longboat Key

LOCAL CONTACT: Juan Florensa

PHONE: (941) 316-1988

PROJECT DESCRIPTION:

Nourishment of 9.8 miles of shoreline between DEP Monuments R44 - R67 in Manatee County and R1 - R29.5 in Sarasota County. The project was restored in 1993. Nourishment to address storm impacts occurred in 1997. Nourishment of the entire project area was completed in 2006. Emergency placement of sand on the North End was completed in 2011. The West Coast Inland Navigation District flood shoal sand trap material was placed on the North End of the island in 2014. Construction of two permeable groins for the stabilization of the North End of the island is scheduled for FY 2014-15. Nourishment of the entire project is scheduled for FY 2015-16. Staff has determined that 45.58 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design (including reimbursement), construction and Year 1 monitoring.

Federal	State	Local	Total
\$3,518,419	\$1,598,463	\$5,415,418	\$10,532,300

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Charlotte County Beach Restoration

LOCAL SPONSOR: Charlotte County

LOCAL CONTACT: Matt Logan

PHONE: (941) 575-3610

PROJECT DESCRIPTION:

Nourishment of approximately 2.1 miles of shoreline between DEP Monuments and R28 - R39 and restoration of 1.7 miles of shoreline between R9.1 – R17 in Charlotte County. Restoration of the southern segment was completed in 2003. The first nourishment was completed in 2006. Nourishment was completed in 2011 using FEMA funds received to repair damages sustained during Tropical Storm Faye. A feasibility study for the stabilization of the south end of Manasota Key/Stump Pass Beach State Park is ongoing, along with design for the nourishment in FY2015-16. Staff has determined that 89.58 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Feasibility (reimbursement), design (reimbursement), construction (beach fill, terminal groin and Year one monitoring).

Federal	State	Local	Total
\$0	\$3,561,747	\$4,399,243	\$7,960,990

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Nassau County Shore Protection Project

LOCAL SPONSOR: City of Fernandina Beach

LOCAL CONTACT: Cheryl Nichols

PHONE: (904) 310-3104

PROJECT DESCRIPTION:

Nourishment of approximately 3.8 miles of Atlantic shoreline between DEP Monuments R11 and R34. Restoration was completed in 2008 and nourishment is scheduled for 2014. Staff has determined that 92.88 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Construction and Year 1 monitoring.

Federal	State	Local	Total
\$632,800	\$107,834	\$124,366	\$865,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Jupiter Island Beach Nourishment

LOCAL SPONSOR: Town of Jupiter Island

LOCAL CONTACT: John Duchock

PHONE: (772) 545-0100

PROJECT DESCRIPTION:

Nourishment of 6.1 miles of shoreline between DEP Monuments R75 - R111 in Martin County. Restoration was completed in 1973. Nourishments are completed on a 3-4 year cycle. The last nourishment was conducted in 2012 using FEMA storm recovery funds to repair storm-related damages. Approximately 10,000 cubic yards of material were placed along approximately 1,100 feet of shoreline within the project boundary in 2014. Sand search investigations are ongoing and construction is planned for FY 2015-16. Staff has determined that 26.38 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design, construction and Year one monitoring.

Federal	State	Local	Total
\$3,227,439	\$1,615,453	\$10,632,108	\$15,475,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: North Boca Raton Segment- Palm Beach County Shore Protection Project

LOCAL SPONSOR: City of Boca Raton

LOCAL CONTACT: Jennifer Bistyga

PHONE: (561) 416-3397

PROJECT DESCRIPTION:

Nourishment of 1.5 miles of shoreline between DEP Monuments R205 - R212 in Palm Beach County. Restoration was completed in 1988 with nourishments in 1998 and 2010. A federal storm repair project is scheduled for FY 2014-15, to address storm impacts sustained during Hurricane Sandy. Staff has determined that 100 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design (sand search).

Federal	State	Local	Total
\$287,700	\$106,150	\$106,150	\$500,000

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
 Beach Management Funding Assistance Program
 FY 2015-16 Local Government Funding Requests**

NAME OF PROJECT: Anna Maria Island Cortez Groins Replacement

LOCAL SPONSOR: Manatee County

LOCAL CONTACT: Charles Hunsicker

PHONE: (941) 745-3727

PROJECT DESCRIPTION:

Nourishment (R36 - R41.3) and groin replacement (R34 – R36) of approximately 1.4 miles of shoreline between DEP Monuments R34 - R41.3 in Manatee County. Restoration of the Coquina Beach segment (R36 – R41.3) and the City of Anna Maria segment (R7 – R10) was completed in 2011. Nourishment of the Coquina Segment R36 – R41.3 was completed in FY 2013-14 and reconstruction of the Cortez Groins is scheduled for FY 2014-15. Staff has determined that 100 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Construction (groins).

Federal	State	Local	Total
\$0	\$2,845,675	\$2,845,675	\$5,691,350

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Collier County Beach Nourishment

LOCAL SPONSOR: Collier County

LOCAL CONTACT: Gary McAlpin

PHONE: (239) 252-5342

PROJECT DESCRIPTION:

Nourishment of three segments along 7.1 miles of shoreline in Collier County. The segments consist of the following components: Vanderbilt Beach, approximately 1.5 miles between DEP Monuments R22 - R31; Park Shore, approximately 1.9 miles between DEP Monuments R45 - R54.4; and Naples, approximately 3.7 miles between DEP Monuments R58 – R79. Restoration was completed in 1996. Nourishment was completed in 2006. Construction of the FY 2014-15 nourishment is proposed and includes FEMA storm recovery funds from damage incurred during Tropical Storm Debby. Staff has determined eligibility for state cost sharing to be 84.94 percent for Vanderbilt Beach, 52.62 percent for Park Shore and 95.02 percent for Naples.

FUNDS WILL BE USED FOR:

Construction and Year 1 monitoring.

Federal	State	Local	Total
\$1,424,375	\$1,526,035	\$2,255,961	\$5,206,371

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Bonita Beach Nourishment

LOCAL SPONSOR: Lee County

LOCAL CONTACT: Justin McBride

PHONE: (239) 533-8130

PROJECT DESCRIPTION:

Nourishment of approximately 0.8 mile of shoreline between DEP Monuments R226 - R230 in Lee County. Restoration was completed in 1995 with nourishment in 2004. The next nourishment is scheduled for FY 2014-15. Staff has determined that 67.81 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design, construction and Year 1 monitoring (reimbursement).

Federal	State	Local	Total
\$0	\$693,527	\$1,351,673	\$2,045,200

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Navarre Beach Nourishment

LOCAL SPONSOR: Santa Rosa County

LOCAL CONTACT: Roger Blaylock

PHONE: (850) 393-9766

PROJECT DESCRIPTION:

Nourishment of 4.1 miles of shoreline between DEP Monuments R192.5 - R213.5 in Santa Rosa County. The restoration was completed in 2006. A small truck haul hot spot nourishment was completed in April 2010 from R192 - R194 to repair damages sustained in 2008. Federal funds for the 2010 truck haul listed below include FEMA funds. The first nourishment of the entire project is scheduled for FY 2015-16. Staff has determined that 100 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design (reimbursement), construction and Year one monitoring.

Federal	State	Local	Total
\$2,317,187	\$8,355,034	\$8,355,034	\$19,027,255

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: South Siesta Key Beach Nourishment

LOCAL SPONSOR: Sarasota County

LOCAL CONTACT: Laird Wreford

PHONE: (941) 809-7491

PROJECT DESCRIPTION:

Nourishment of 1.9 miles of shoreline along South Siesta Key between DEP Monuments R67 - R77 in Sarasota County. Restoration was completed in 2007. Nourishment is scheduled for FY 2014-15. Staff has determined that 75.74 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design (reimbursement), construction and monitoring (current and reimbursement).

Federal	State	Local	Total
\$0	\$6,761,688	\$11,093,312	\$17,855,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: South St. Lucie County Beach Restoration

LOCAL SPONSOR: St. Lucie County

LOCAL CONTACT: Richard Bouchard

PHONE: (772) 462-1710

PROJECT DESCRIPTION:

Restoration of 3.4 miles of shoreline between DEP Monuments R98 - R115 in St. Lucie County. In 2004, a federal feasibility study was initiated. The project was restored as a non-federal project in 2013. Staff has determined that 86.97 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Construction (reimbursement for cost overruns for the 2013 restoration).

Federal	State	Local	Total
\$0	\$27,834	\$36,166	\$64,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Segment II - Broward County Shore Protection Project

LOCAL SPONSOR: Broward County

LOCAL CONTACT: Nicole Sharp

PHONE: (954) 519-1231

PROJECT DESCRIPTION:

Restoration and nourishment of Atlantic shoreline in Broward County between Hillsboro Inlet and Port Everglades. The project consists of approximately 1.38 miles of beach nourishment between DEP Monuments R36-R41.3 and R51-R53 and restoration of approximately 3.56 miles between DEP Monuments R53 and R72. This segment of the federal Broward County Shore Protection Project was initially constructed in 1970, with subsequent nourishment occurring in 1983. Hardbottom mitigation construction and the next nourishment event are scheduled for 2015. Staff has determined that 88.3 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Construction (project partially funded in FY 2013-14 and FY 2014-15) and Year one monitoring.

Federal	State	Local	Total
\$7,730,820	\$2,783,569	\$3,521,231	\$14,035,620

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: South Marco Island Beach Nourishment

LOCAL SPONSOR: Collier County

LOCAL CONTACT: Gary McAlpin

PHONE: (239) 252-5342

PROJECT DESCRIPTION:

Nourishment of 1.1 miles of shoreline between DEP Monuments R143-G4 in Collier County. Restoration was completed in 1997 and nourishment was completed in 2007. Nourishment completed in 2013 included FEMA storm recovery funds for damage sustained during Tropical Storm Faye. Additionally, the structural repair of five existing erosion control structures was completed in 2013-14. Construction of a storm repair for damages sustained during Tropical Storm Debby is anticipated for 2015. Staff has determined that 41.76 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design, construction (storm repair) and monitoring (reimbursement).

Federal	State	Local	Total
\$161,194	\$111,905	\$424,037	\$697,136

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: South Boca Raton Beach Nourishment

LOCAL SPONSOR: City of Boca Raton

LOCAL CONTACT: Jennifer Bistyga

PHONE: (561) 416-3397

PROJECT DESCRIPTION:

Nourishment of approximately 1.0 mile of shoreline between DEP Monuments R223.3 - R227.9 in Palm Beach County. Restoration was completed in 1985 with nourishment in 1996, 2002 and 2010. The project area also receives bypass material from maintenance dredging of the Boca Raton Inlet conducted annually by the City's dredge. Nourishment was completed in FY 2013-14. Staff has determined that 97.8 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design (permit), construction (reimbursement) and monitoring (Year 2).

Federal	State	Local	Total
\$0	\$820,375	\$857,284	\$1,677,659

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Central Boca Raton Beach Nourishment

LOCAL SPONSOR: City of Boca Raton

LOCAL CONTACT: Jennifer Bistyga

PHONE: (561) 416-3397

PROJECT DESCRIPTION:

Nourishment of 1.5 miles of shoreline between DEP monuments R216 - R222.9 in Palm Beach County. Restoration was completed in 2004, with nourishment in 2006 following storm impacts. The next nourishment is scheduled for FY 2015-16. Staff has determined that 83.18 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design (reimbursement), construction and first-year post-construction monitoring.

Federal	State	Local	Total
\$0	\$3,903,637	\$5,482,363	\$9,386,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Hallandale Beach Nourishment

LOCAL SPONSOR: City of Hallandale Beach

LOCAL CONTACT: Steven Parkinson

PHONE: (954) 457-1669

PROJECT DESCRIPTION:

Nourishment of approximately 0.82 miles of critically eroded shoreline between DEP Monuments 310 feet north of R124 to R128 within the City of Hallandale Beach in Broward County. The federal project was restored in 1971 and nourished in 1979, 1991 and 2006. Construction of a hot spot nourishment by the City is scheduled for fall 2016. Staff has determined that 98 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design.

Federal	State	Local	Total
\$0	\$367,537	\$382,538	\$750,075

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Juno Beach Nourishment

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Michael Stahl

PHONE: (561) 233-2433

PROJECT DESCRIPTION:

Nourishment of approximately 2.4 miles of shoreline beginning 2.2 miles downdrift of Jupiter Inlet (R-26 - R-38). Restoration was completed in 2001 and impacted by the hurricanes of 2004 and 2005 and by Tropical Storm Fay in 2008. The first nourishment of this beach was completed in March 2010. The borrow area for this project was located approximately five miles to the South, offshore of Singer Island in approximately 70 feet of water. Due to a presence of rock in this borrow area, alternative sand sources are being evaluated for the next nourishment of this beach, scheduled for the 2015-16 construction season.

The Juno mitigation reef consists of 30 (20' x 40') rock pods for a total of 0.75 acres. The pods were constructed with 9700 tons of 3' to 4' limestone boulders. Limestone placement was completed in fall 2009 and the final inspection was conducted in the summer of 2010. In addition, 20 pre-fabricated concrete reef modules were deployed into two (20' x 40') pods consisting of 10 modules per pod. Staff has determined that 100 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design, construction (nourishment) and Year one monitoring.

Federal	State	Local	Total
\$0	\$9,125,000	\$9,125,000	\$18,250,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Mid-Town Beach Nourishment

LOCAL SPONSOR: Town of Palm Beach

LOCAL CONTACT: Robert Weber

PHONE: (561) 383-5440

PROJECT DESCRIPTION:

Nourishment of 2.4 miles of shoreline between DEP Monuments R90.4 - R101.4 in Palm Beach County. Restoration was completed in 1995 from R95 - R100. The project included construction of eleven groins which were completed in 1996. In 2003, nourishment was completed in an expanded shoreline length between R90.4 - R101.4. The project was nourished using FEMA funds in 2006 in response to the 2004-2005 hurricane seasons and again in FY 2010-11 to repair damages sustained during Tropical Storm Fay. The next nourishment is scheduled for FY 2014-15. The project will be expanded for the next nourishment with the construction of tapers in the north and south limits. A new eligibility determination is proposed for cost sharing. Preliminary estimation is calculated as 92 percent eligible for state cost sharing (subject to verification).

FUNDS WILL BE USED FOR:

Design (reimbursement), construction and Year one monitoring.

Federal	State	Local	Total
\$0	\$7,487,604	\$8,789,796	\$16,277,400

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Bathtub Beach/Sailfish Point Beach Nourishment

LOCAL SPONSOR: Martin County

LOCAL CONTACT: Kathy FitzPatrick

PHONE: (772) 288-5429

PROJECT DESCRIPTION:

Nourishment of 2,950 feet of Atlantic shoreline between DEP Monuments R34.8 - R37.6 in Martin County. Dune restoration was completed in 2010 for Bathtub Beach and Sailfish Point separately, using material from the St. Lucie Inlet flood shoal. Emergency dune nourishment using upland sand sources has been conducted periodically since the restoration following storm impacts. A design analysis to determine the sustainability of combining the two segments is ongoing. Construction is anticipated for 2015. Staff has determined that 100 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design.

Federal	State	Local	Total
\$0	\$2,800,000	\$2,800,000	\$5,600,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Brevard County Shore Protection Project/Mid-Reach Segment

LOCAL SPONSOR: Brevard County

LOCAL CONTACT: Mike McGarry

PHONE: (321) 633-2016 ext. 52696

PROJECT DESCRIPTION:

Restoration of approximately 7.8 miles of shoreline between DEP Monuments R75 - R118 in Brevard County. The Mid Reach segment, as well as the Patrick Air Force Base federally managed shoreline, are located between the North and South Reaches of the federal Brevard County Shore Protection Project. Construction is anticipated for FY 2015-16. Staff has determined that 81.06 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design, construction and Year one monitoring.

Federal	State	Local	Total
\$5,346,000	\$1,941,387	\$2,848,613	\$10,136,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Flagler County Hurricane and Storm Damage Reduction Project

LOCAL SPONSOR: Flagler County

LOCAL CONTACT: Faith Alkhatib

PHONE: (386) 313-4106

PROJECT DESCRIPTION:

Design of the federal restoration of 2.6 miles of shoreline between DEP Monuments R80 – R94 in Flagler County. The feasibility study has been approved by the Civil Works Review Board and the project is moving into preliminary engineering and design. Staff has determined that 100 percent of the project is eligible for state cost sharing for feasibility.

FUNDS WILL BE USED FOR:

Feasibility (reimbursement) and design.

Federal	State	Local	Total
\$1,171,800	\$337,800	\$337,800	\$1,847,400

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Phipps Ocean Park Beach Nourishment

LOCAL SPONSOR: Town of Palm Beach

LOCAL CONTACT: Robert Weber

PHONE: (561) 838-5440

PROJECT DESCRIPTION:

Nourishment of 1.4 miles of shoreline located between DEP Monuments R118.7 - R126 in Palm Beach County. In 2004, a 3.1 acre mitigation reef was constructed to compensate for impacts to hardbottom resources. Restoration was completed in 2006. FEMA dune restoration was completed in 2011 to repair damages sustained during Tropical Storm Fay. Dune nourishment is planned for 2014-15 in coordination with the Mid-Town project, where offshore material will be trucked to the project area. An interim project is scheduled for FY 2014-15 and a full nourishment is scheduled for FY 2015-16. An expansion of the project limits is proposed which will change the project eligibility. Staff has determined that 78 percent of the project was eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Construction (2014-15 interim project), construction (2015-16 full nourishment) and Year one monitoring.

Federal	State	Local	Total
\$0	\$6,851,793	\$10,716,907	\$17,568,700

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Perdido Key Beach Restoration

LOCAL SPONSOR: Escambia County

LOCAL CONTACT: Tim Day

PHONE: (850) 595-1144

PROJECT DESCRIPTION:

Restoration of approximately 3.0 miles of shoreline between DEP Monuments R1 - R34 in Escambia County. Beach and dune restoration was originally proposed for a 3.0-mile beach segment between R19 and R34, with a protective berm construction proposed from R12.5 to R19 and dune restoration proposed for 2.4 miles between R01 to R12.5. Construction is scheduled for 2015 to include only the beach and dune segment between R19 - R34. Staff has determined that 51.7 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design, construction and Year one monitoring.

Federal	State	Local	Total
\$0	\$4,155,244	\$8,417,356	\$12,572,600

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Rest Beach Restoration

LOCAL SPONSOR: City of Key West

LOCAL CONTACT: Janet Muccino

PHONE: (305) 809-3867

PROJECT DESCRIPTION:

Nourishment of 0.12 mile of shoreline located in Key West in Monroe County. Restoration was completed in 1995. FEMA dune repair was completed in 2009. Nourishment is scheduled for FY 2015-16, along with seagrass mitigation. Staff has determined that 100 percent of the project is eligible for state cost sharing

FUNDS WILL BE USED FOR:

Funds will be used for construction (nourishment, seagrass mitigation) and Year one monitoring.

Federal	State	Local	Total
\$195,866	\$438,867	\$438,867	\$1,073,600

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NAME OF PROJECT: Marathon Beaches Emergency Repair

LOCAL SPONSOR: City of Marathon

LOCAL CONTACT: Nancy Nuner

PHONE: (305) 289-5001

PROJECT DESCRIPTION:

Nourishment of dunes along a 0.3 mile segment of Coco Plum Beach and a 0.3 mile segment of Sombrero Beach in the City of Marathon in Monroe County. Following damages sustained during Hurricanes Rita and Wilma (2005), a dune restoration project was completed for Coco Plum Beach in 2006 using approximately 4,100 cubic yards of sand. A beach management plan was developed for both beaches in 2008 using hurricane recovery funds to assist in documenting future storm damage. Staff has determined that 100 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Construction (reimbursement for a FEMA repair project and exotic plant removal) and Year one monitoring.

Federal	State	Local	Total
\$144,852	\$26,913	\$26,913	\$198,678

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
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NAME OF PROJECT: South Ponte Vedra/Vilano/Summer Haven Feasibility Study

LOCAL SPONSOR: St. Johns County

LOCAL CONTACT: Press Tompkins

PHONE: (904) 209-0113

PROJECT DESCRIPTION:

Restoration of approximately six miles of shoreline in three segments within St. Johns County: South Ponte Vedra (DEP Monuments R84 - R94), Vilano Beach (DEP Monuments R109 - 117), and Summer Haven (DEP Monuments R197 - R209). Federal feasibility studies began in 2005 with Vilano Beach and Summer Haven Beach. In 2007, U.S. Army Corps of Engineers added the South Ponte Vedra segment. The federal feasibility study is ongoing. Staff has determined that 100 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Feasibility study.

Federal	State	Local	Total
\$350,000	\$306,500	\$306,500	\$963,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
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NAME OF PROJECT: Key Biscayne Beach Nourishment

LOCAL SPONSOR: Village of Key Biscayne

LOCAL CONTACT: John Gilbert

PHONE: (305) 365-5514

PROJECT DESCRIPTION:

Nourishment of approximately 1.2 miles of shoreline between DEP Monuments R101 - R108 in Dade County. Restoration was completed in 1987 with nourishment following in 2002. A second nourishment was completed in 2012. Staff has determined that 98 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design, construction and post-construction monitoring (reimbursement).

Federal	State	Local	Total
\$0	\$1,207,500	\$1,207,500	\$2,415,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
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NAME OF PROJECT: Coral Cove Park Dune Nourishment

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Michael Stahl

PHONE: (561) 233-2433

PROJECT DESCRIPTION:

Nourishment of the dune between DEP reference monuments R5-R7.6 in Palm Beach County. The initial dune restoration was completed in 1993 using sand from an upland source. In 2004, the Florida Legislature designated emergency funding in combination with FEMA funds for a dune maintenance project. A dune repair project was completed in 2012-13 to address storm impacts from Hurricane Sandy. A subsequent nourishment to fill the dune template was completed in FY 2013-2014. Staff has determined the project is 100 percent eligible for cost sharing.

FUNDS WILL BE USED FOR:

Construction (reimbursement for 2013-14 nourishment).

Federal	State	Local	Total
\$0	\$425,000	\$425,000	\$850,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NAME OF PROJECT: Southern Palm Beach Island Restoration Project

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Michael Stahl

PHONE: (561) 233-2433

PROJECT DESCRIPTION:

Feasibility analysis and design of beach restoration project along 2.06 miles of critically eroded beach between R-128+860 to R-138+400 in Palm Beach County. Dune maintenance projects were conducted in 2007 and 2009. Several alternatives have been explored, including the use of breakwaters. An Environmental Impact Statement is in progress in order to construct a future erosion control alternative. Feasibility phase allows up to 100 percent eligibility, but the local cost share indicates a third party funding source equaling 20 percent of total costs.

FUNDS WILL BE USED FOR:

Feasibility (Environmental Impact Statement) and design (permit for dune project).

Federal	State	Local	Total
\$0	\$172,000	\$258,000	\$430,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NAME OF PROJECT: Vero Beach Restoration

LOCAL SPONSOR: Indian River County

LOCAL CONTACT: James Gray

PHONE: (772) 226-1344

PROJECT DESCRIPTION:

Feasibility study for the restoration of 14,212 feet (2.7 miles) of shoreline between DEP reference monuments R72-R86 in Indian River County.

FUNDS WILL BE USED FOR:

Feasibility (Environmental Impact Statement).

Federal	State	Local	Total
\$0	\$50,000	\$50,000	\$100,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NAME OF PROJECT: Regional Monitoring

LOCAL SPONSOR: DEP

LOCAL CONTACT: Gene Chalecki

PHONE: (850) 488-7813

PROJECT DESCRIPTION:

The Regional Data Collection and Processing Program is designed to address statewide coastal erosion and change analysis and outlines the minimum data collection efforts necessary to accomplish the program goals. It includes a combination of in-house and contracted work efforts that provide for complete statewide coverage of the program jurisdictional areas on an eight-year cycle. The data collection cycle includes the acquisition and development of the following:

- Aerial Photography;
- Aerial Oblique Photography for reconnaissance and emergency response;
- Conventional topographic and bathymetric surveys;
- Laser remote sensing technologies including topographic and bathymetric data (LIDAR); and
- Computer based stereo photo modeling.

These data are used to support all aspects of the statewide beach management and coastal permitting programs, including the planning and design of beach restoration and nourishment, post-hurricane response and recovery activities and the development of the critically eroded beaches inventory. The collection and analysis of the data is coordinated with other statewide initiatives including the annual aerial digital photo acquisition initiative, U. S. Army Corps of Engineers Regional Sediment Management efforts and local government project sponsors to increase cost efficiency and avoid duplication of efforts.

FUNDS WILL BE USED FOR:

Collection and processing of bathymetric survey data in Volusia County and the Southwest region from Pinellas to Collier counties. Data acquired in Volusia County will be used to update the Ponce de Leon Inlet Management Plan.

Federal	State	Local	Total
\$0	\$250,000	\$0	\$250,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
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NAME OF PROJECT: Port Canaveral Inlet Management Plan Implementation

LOCAL SPONSOR: Canaveral Port Authority

LOCAL CONTACT: Carol Noble

PHONE: (321) 783-7831 ext. 256

PROJECT DESCRIPTION:

Port Canaveral Inlet is a federally authorized and maintained inlet. The U.S. Army Corps of Engineers has completed structural improvements to the north and south jetties and periodically bypasses sediment to the downdrift beaches and nearshore. Federally-funded bypassing events using material excavated from the 1.6 mile-long fillet updrift of the North jetty began in 1995 and the fourth event was completed in 2010. All bypass material is placed between R1 - R14 south of the inlet. Permitting of the next bypassing event and updates to the Inlet Management Plan are ongoing. Staff has determined that 100 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design, construction and Year one monitoring.

Federal	State	Local	Total
\$11,850,000	\$160,500	\$53,500	\$12,064,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
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NAME OF PROJECT: Lake Worth Inlet Inlet Management Plan Implementation

LOCAL SPONSOR: Town of Palm Beach

LOCAL CONTACT: Robert Weber

PHONE: (561) 838-5440

PROJECT DESCRIPTION:

Lake Worth Inlet is a federally authorized and maintained inlet. A sand transfer plant was constructed on the north jetty in 1958. It was not operational between May 1990 and May 1996. The sand transfer plant was reconstructed in 2010. Storm conditions associated with Hurricane Sandy rendered it inoperable in 2012. Federal maintenance dredging occurs every year to maintain required navigational clearance. Federal maintenance projects place beach-compatible material on downdrift beaches. Staff has determined that 100 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Monitoring (biological and turtle).

Federal	State	Local	Total
\$0	\$46,500	\$15,500	\$62,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NAME OF PROJECT: Longboat Pass IMP Implementation

LOCAL SPONSOR: Manatee County and the Town of Longboat Key

LOCAL CONTACT: Charles Hunsicker, Manatee County
Juan Florensa, Town of Longboat Key

PHONE: (941) 745-3727
(941) 316-1988

PROJECT DESCRIPTION:

Inlet Management Plans for Longboat Pass in Manatee County were completed in 2008 and 2011. Dredging of the flood shoal sand trap with placement on the north end of Longboat Key was completed in 2014. Design for the navigation channel dredging and bypassing is ongoing with plans to initially dredge the channel in 2014-2015. Staff has determined that 100 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design (including reimbursement), construction and monitoring.

Federal	State	Local	Total
\$0	\$4,963,900	\$1,654,633	\$6,618,533

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NAME OF PROJECT: St. Lucie Inlet Management Plan Implementation

LOCAL SPONSOR: Martin County

LOCAL CONTACT: Kathy FitzPatrick

PHONE: (772) 288-5429

PROJECT DESCRIPTION:

Federally authorized improvements began in 1982 and concluded with the construction of a sand trap inside the inlet in 2002. Regular sand bypassing from the inlet was been completed on a 4-5 year cycle with placement of sand on the beaches of Jupiter Island south of the inlet. Deepening of the sand trap in 2000 and emergency dredging in 2002 resulted in nearshore disposal of material. The sand trap was dredged in 2007 with material placed on Jupiter Island. The last sand bypassing event was completed in 2012. Staff has determined that 100 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Construction (reimbursement for 2014 dredging) and Year one monitoring.

Federal	State	Local	Total
\$0	\$1,452,828	\$484,276	\$1,937,104

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
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NAME OF PROJECT: Port Everglades Inlet Management Plan Implementation

LOCAL SPONSOR: Broward County

LOCAL CONTACT: Nicole Sharp

PHONE: (954) 519-1231

PROJECT DESCRIPTION:

Port Everglades Inlet is a man-made, federally-maintained navigation project and the entrance to Port Everglades in Broward County. DEP adopted the Port Everglades Inlet Management Plan in May 1999. The plan established an annualized bypassing objective of 44,000 cubic yards. In 2002, design of a spur groin attached to the south jetty and two groins located on the shore south the inlet (in lieu of breakwaters) was completed as recommended in the adopted inlet management plan. Construction was conducted as part of the 2005-06 Broward County Shore Protection Project - Segment III. The current project in the design phase will remove rock spoil north of the inlet and create a sand trap to initiate a bypassing protocol. Staff has determined that 100 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design.

Federal	State	Local	Total
\$0	\$738,750	\$246,250	\$985,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
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NAME OF PROJECT: Ft. Pierce Inlet Management Plan Implementation

LOCAL SPONSOR: St. Lucie County

LOCAL CONTACT: Richard Bouchard

PHONE: (772) 462-1710

PROJECT DESCRIPTION:

The Ft. Pierce Inlet Management Plan was adopted in 1997. Ft. Pierce Inlet is a federally maintained inlet. A feasibility study has been completed, design of the sand trap was initiated and a permit application was submitted on July 10, 2014. Additional analysis of the sediment budget, sediment transport pathways and rates of transport in the vicinity of the inlet is proposed. Staff has determined that 100 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design.

Federal	State	Local	Total
\$0	\$675,000	\$225,000	\$900,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NAME OF PROJECT: South Lake Worth Inlet Management Plan Implementation

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Michael Stahl

PHONE: (561) 233-2433

PROJECT DESCRIPTION:

Expansion of the inlet sand trap was completed in 2002. The sand transfer plant was damaged in 2004 and repaired. Reconstruction and remodeling of the sand transfer plant was completed in 2011. Dredging and an additional expansion of the sand trap to the full permitted design is ongoing and construction is scheduled for completion in 2014. Staff has determined that 100 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Monitoring.

Federal	State	Local	Total
\$0	\$53,663	\$17,887	\$71,550

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
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NAME OF PROJECT: Sebastian Inlet Management Plan Implementation

LOCAL SPONSOR: Sebastian Inlet Tax District

LOCAL CONTACT: Marty Smithson

PHONE: (321) 724-5175

PROJECT DESCRIPTION:

A sand trap was constructed in 1972 to hold approximately 200,000 cubic yards of material. A dredged material management area (DMMA) was designed and constructed in 2011 to provide for stockpiling of beach quality sand from the interior channel dredging and sand trap for bypassing to areas south of the inlet from DEP Monuments R3 - R17 (Ambersand) in Indian River County. Phase I of the sand trap bypassing was completed in 2012, and Phase II, including an expansion and deepening of the sand trap, was completed on May 30, 2014. Staff has determined that 100 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Construction (placement of processed material in DMMA) and monitoring (2014-2015 reimbursement and 2015-16).

Federal	State	Local	Total
\$0	\$741,000	\$247,000	\$988,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
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NAME OF PROJECT: Boca Raton Inlet Management Plan Implementation

LOCAL SPONSOR: City of Boca Raton

LOCAL CONTACT: Jennifer Bistyga

PHONE: (561) 416-3397

PROJECT DESCRIPTION:

The Boca Raton Inlet Management Plan was adopted in 1997. The weir on the north jetty was extended 50 feet seaward to allow for the creation of a wider beach in conjunction with nourishment north of the inlet in 2004. In 2008, the wooden crib structure of the north jetty was rehabilitated with quarried rock. Bypassing activities occur annually using the city-owned dredge. Staff has determined that 100 percent of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Construction (bypassing) and annual monitoring.

Federal	State	Local	Total
\$0	\$384,300	\$128,100	\$512,400

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NAME OF PROJECT: Venice Inlet Management Plan Implementation

LOCAL SPONSOR: West Coast Inland Navigation District

LOCAL CONTACT: Chuck Listowski

PHONE: (941) 485-9402

PROJECT DESCRIPTION:

Dredging of a flood shoal sand trap within Venice Inlet, located between DEP Monuments R114 - R115, and bypass material to the adjacent eroding shoreline within the Venice Beach segment of the federal Sarasota County Shore Protection Project.

FUNDS WILL BE USED FOR:

Construction and monitoring.

Federal	State	Local	Total
\$0	\$273,750	\$91,250	\$365,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Big Carlos Pass Inlet Study

LOCAL SPONSOR: West Coast Inland Navigation District

LOCAL CONTACT: Chuck Listowski

PHONE: (941) 485-9402

PROJECT DESCRIPTION:

Develop an Inlet Management Plan for Big Carlos Pass at DEP Monuments R210 - R211 between Estero Island to the north and Lovers Key to the south in Lee County. The ebb shoal of Big Carlos Pass has been previously authorized for dredging as a sand source for Lovers Key and Bonita Beach. The project is to conduct inlet morphology modeling and evaluation of inlet channel sustainability, including a sediment budget and inlet management guidelines.

FUNDS WILL BE USED FOR:

Feasibility.

Federal	State	Local	Total
\$0	\$109,500	\$36,500	\$146,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2015-16 Local Government Funding Requests

NAME OF PROJECT: Southwest Gulf Coast Regional Inlet Study

LOCAL SPONSOR: West Coast Inland Navigation District

LOCAL CONTACT: Chuck Listowski

PHONE: (941) 485-9402

PROJECT DESCRIPTION:

Regional feasibility study for evaluating the potential for establishment of flood shoal sand traps to transfer sand from the flood-tidal delta within the flood shoal region of thirteen inlets in Manatee, Sarasota, Charlotte and Lee counties.

FUNDS WILL BE USED FOR:

Feasibility.

Federal	State	Local	Total
\$0	\$187,500	\$62,500	\$250,000