

**Brevard County**  
**Save Our Indian River Lagoon Project Plan**  
**Citizen Oversight Committee**

December 14, 2018 – 8:30 to 11:30 am  
Brevard County Government Center  
2725 Judge Fran Jamieson Way  
Building C, 3<sup>rd</sup> Floor, Florida Room  
Viera Florida 32940

- I. Call to Order
- II. Roll Call
- III. Approval of the Agenda
- IV. Approval of Minutes
- V. Monthly Progress and Fiscal Reports – Virginia Barker, Director
  - a. December 2018 Progress Report
  - b. Save Our Indian River Lagoon Project Performance Table
  - c. Revenue Graph and Financial Statement
- VI. Other Reports and Special Presentations
  - a. The Importance of the Indian River Lagoon to Brevard County – Frank Abbate, County Manager
  - b. Crane Creek Rediversion (M-1) Canal Funding Celebration – Drew Bartlett, Deputy Secretary, Florida Department of Environmental Protection and Anne Shortelle, Executive Director, St. Johns River Water Management District
  - c. Harmful Algal Blooms of Florida – Dr. James Sullivan, Executive Director of Harbor Branch Oceanographic Institute, Florida Atlantic University
  - d. Modeling Muck Toxicity and E. coli Screening – Dr. Drew Palmer, Florida Institute of Technology
  - e. Save Our Indian River Lagoon Community Survey Results – Holly Abeels, University of Florida, Institute of Food and Agricultural Sciences, Sea Grant Extension Agent
  - f. My Lagoon Story Videos – Dylan Hansen
- VII. New Business
  - a. 2019 Project Funding Requests
- VIII. General Public Comment
- IX. Final Comments by Chair and Committee Members
- X. Adjournment

**Save Our Indian River Lagoon  
Citizen Oversight Committee Meeting Minutes**

November 16, 2018 – 8:30 a.m. – 11:30 a.m.

2725 Judge Fran Jamieson Way,  
Bldg. C, 1<sup>st</sup> Floor, Commission Room  
Viera, FL 32940

**Members Present:**

Expertise	Member	Present	Alternate	Present
Science	Lorraine Koss	Yes	Charles Venuto	No
Technology	John Byron	Yes	Vinnie Taranto	Yes
Education	Stephany Eley - Chair	Yes	John Durkee	Yes
Finance	Courtney Barker	Yes	Todd Swingle	Yes
Tourism	David Lane – Vice-Chair	No	Karen McLaughlin	Yes
Real Estate	Gene Artusa	No	Danielle Bowden	Yes
Lagoon Advocacy	John Windsor	Yes	Terry Casto	Yes

**Staff Present:**

Virginia Barker, Brevard County Natural Resources Management Director  
Christine Valliere, Brevard County Assistant County Attorney  
Carol Gerundo, Executive Secretary  
Walker Dawson, Engineer III, Muck Dredging  
Courtney Maier, Engineer I, Stormwater  
Anthony Gubler, Associate Environmental Specialist  
Brandon Smith, Environmental Specialist  
Crystal Melton, Fiscal Analyst  
Matt Culver, Brevard County Boating & Waterways Program Coordinator

**I. Call to Order**

**II. Roll Call**

A quorum was established.

**III. Approval of the Agenda**

Virginia Barker mentioned that Item VI.b., Modeling Muck Toxicity and E. coli Screening – Dr. Palmer, Florida Institute of Technology, would not be presented due to a mix up with the date. The presentation would be heard at a future meeting.

John Byron moved to approve the Agenda as modified; Seconded by Lorraine Koss. Motion was unanimously approved.

**IV. Approval of Minutes**

John Windsor moved to approve the October 19, 2018 Minutes as written; Seconded by Lorraine Koss. Motion was unanimously approved.

**V. Monthly Progress and Fiscal Reports – Virginia Barker, Director**

**a. November 2018 Progress Report**

The Monthly Progress and Fiscal Reports were given by Virginia Barker. Discussion ensued.

The Committee's questions were answered by Virginia Barker.

**b. Save Our Indian River Lagoon Project Performance Table**

The Committee was provided with a copy of the Save Our Indian River Lagoon Project Performance Table.

**c. Revenue Graph and Financial Statement**

Virginia Barker gave a brief update on the Revenue Graph and Financial Statement. Discussion ensued.

The Committee's questions were answered by Virginia Barker.

**VI. Other Reports and Special Presentations**

**a. Circulation Enhancement – Dr. Gary Zarillo, Florida Institute of Technology**

Dr. Zarillo gave a power point presentation on Circulation Enhancement. Dr. Zarillo reported on Numerical Model Flushing Experiments. Project Goals included: 1) Applying numerical test of flushing rates in the Banana River and a north Indian River Lagoon compartment; and, 2) Quantifying the potential for improving the state of water quality by promoting more rapid turnover of sub-compartments between causeway structures. Discussion ensued.

The Committee's questions were answered by Dr. Zarillo.

**b. Modeling Muck Toxicity and E. coli Screening – Dr. Drew Palmer, Florida Institute of Technology**

This item was not presented and will be heard at a future meeting.

**c. Brevard County Stormwater Utility's Full-Scale Pilot Test Filtration and/or Biosorption Activated Media Projects – Jeff Rapolti, PE, Brevard County**

Jeff Rapolti gave a power point presentation on the County's Stormwater Utility Full-Scale Pilot Test Filtration and/or Biosorption Activated Media Projects. Mr. Rapolti reported on Johnson Jr. High and Fountainhead Park Stormwater Management Systems projects. Information on the projects included: 1) Nutrient Breakdown; 2) Background; 3) Design; 4) Construction; 5) Sampling; and Preliminary Results. Discussion ensued.

The Committee's questions were answered by Jeff Rapolti.

**d. My Lagoon Story Videos – Dylan Hansen**

Dylan Hansen showed three My Lagoon Story videos featuring Lorraine Koss, Karen McLaughlin and John Durkee.

**VII. New Business**

**a. Proposed 2019 Meeting Schedule**

The Committee was provided with a copy of the proposed meeting schedule for 2019. Discussion ensued.

Staff was asked to check the dates on the schedule as there were two dates that were not on a Friday and appeared to be incorrect.

John Windsor moved to approve that the 3<sup>rd</sup> Friday of each month, with the exception of June where there would not be a meeting, and December where the meeting would be held on the 2<sup>nd</sup> Friday; Seconded by Lorraine Koss. Motion was unanimously approved.

**VIII. General Public Comment**

Public Comments were heard.

**IX. Final Comments by Chair and Committee Members**

Final Comments were heard.

**X. Adjournment**



## **Save Our Indian River Lagoon Project Plan December 2018 Progress Report**

### **WORK COMPLETED THIS MONTH:**

- Mims Muck Dredging and Outflow Treatment – dredging complete!
- Eau Gallie Area Muck Removal – responded to permit questions from U.S. Fish and Wildlife Service
- Sykes Creek Muck Dredging Phase 1 - final design completed
- Merritt Island Muck Dredging –vibracores collected
- Muck Dredging Master Permit – seagrass survey reports completed for Titusville and Rockledge
- Perfluorinated compound results for groundwater, muck, and lagoon surface waters received
- Septic to Sewer prioritization by subdivision, package plant and septic upgrade complete

### **WORK UNDERWAY THIS MONTH:**

- New Project Proposals reviewed, errors corrected: 15 Stormwater, 1 Waste Water Treatment Plant Upgrade, 1 Smoke Testing/Sewer Lateral Rehabilitation, 1 Muck Removal, 5 Living Shoreline projects
- 2019 Plan Update - data review, map updates and text edits underway
- Micco Sewer Ext. – Final design and state environmental and transportation permitting underway
- Sykes Creek Zones M & T – preliminary design underway
- Sykes N Septic-to-Sewer – design underway for expanded project area
- South Central C Septic-to-Sewer – 70% design complete
- Melbourne Riverview Septic to Sewer Contract out for signatures
- St. Johns River Water Management Crane Creek/M-1 Canal Rediversion Contract out for signatures
- Contracting underway for 6 municipal projects
- Beaches Leaking Sewer Laterals – coordinating next steps with Utility Services
- Developing agreement for testing innovative septic technology for the Florida Department of Health
- Stormwater Basins 1349, 1409, and 989 – negotiating design scopes for denitrification projects
- Huntington Pond – Preliminary design under review
- Kingsmill-Aurora – working on design scope and acquiring DOT pond
- Cocoa Beach - Muck Dredging contract is approximately 54% complete
- Muck Dredging Master Permit – meeting scheduled with State Historical Preservation Office
- Eau Gallie Area Muck Removal – final design underway
- Grand Canal Muck Dredging – developing dredge waiver database
- Mathers Bridge Area Muck Removal – scoping expansion of project area
- Merritt Island Muck Dredging – design underway
- Mullet Creek Muck Dredging – scoping of design underway
- Grand Canal Muck Dredging – finalizing bid package for advertisement
- Muck removal from Banana River Canals – site selection and preliminary design underway
- Muck Dredging Permits – collecting bathymetric data for Titusville and Rockledge
- Mathers Bridge Area Muck Removal – scoping expansion of project area
- Grass Clippings Outreach Study - survey complete; first draft of report received and reviewed
- Filming videos - “My Lagoon Story,” Living Shoreline Demonstrations, and Turkey Creek Watershed



#### **PRESENTATIONS THIS MONTH:**

December 1 – Ocean Reef Beach Festival: Brandon

December 6 – Florida Stormwater Association Winter Conference: Anthony

February 6 – NASA/FDEP Partnership Meeting –Anthony, Brandon, Courtney

February 12 – East Merritt Island HOA: Brandon

February 15 – Christian Women Business Association: Brandon

#### **WEBSITE AND SOCIAL MEDIA LINKS:**

Website: <http://www.brevardfl.gov/SaveOurLagoon>

Facebook: <https://www.facebook.com/BrevardCountySaveOurLagoon>;

Instagram: <https://www.instagram.com/saveourlagoon/>

YouTube: <https://goo.gl/GBh6xU>

#### **UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:**

Indian River Lagoon Symposium, Harbor Branch, February 7-8,

<http://www.indianriverlagoon.org/Symposium.html>

Diamond Back Terrapin Working Group: Florida Regional Meeting, February 8, contact Joe Butler

[jbutler@unf.edu](mailto:jbutler@unf.edu)

Marine Resources Council Fertilizer, Yard Clippings, & Rain Barrel Education Workshop, February 10, contact Steve Sharkey [sharkeymrc@gmail.com](mailto:sharkeymrc@gmail.com)

Managing Visitor Use in Coastal and Marine Protected Areas Training, February 20-21, contact Emily Dark

[Emily.Dark@FloridaDEP.gov](mailto:Emily.Dark@FloridaDEP.gov)

Stormwater and Green Infrastructure Symposium, May 8-10,

<https://www.wef.org/events/conferences/upcoming-conferences/stormwater-and-green-infrastructure-symposium-2019/>

#### **UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:**

Brevard Zoo Restore Our Shores – Oyster Shell Bagging, December 14, 2018, 8:00 am – 12:00 pm,

<https://restoreourshores.org/volunteer-we-need-you/>

Lagoon Friendly Lawns – contact Kaylyn Palmer of Keep Brevard Beautiful at 321-631-0501

Fish Kill Response Cleanup: contact Desiree Lesko of Keep Brevard Beautiful at 321-631-0501

Muck Finders - contact Jared McNally, [jared@mrcl.org](mailto:jared@mrcl.org), at the Marine Resources Council

Marine Resources Council Lagoon Watch, Mangrove, or Lagoon Literacy program,

<https://savetheirl.org/volunteer/>

#### **FUTURE TOPICS FOR SPECIAL PRESENTATIONS:**

1. 2019 Proposed Plan Updates – Marcy Frick, Tetra Tech
2. Trust Fund Audits
3. Re-use/Reclaimed Water – Nutrient Loading Impacts and Opportunities
4. Harvesting of Aquatic Weeds
5. Coordinating Dredging and Spoil Management with Florida Inland Navigation District
6. Mechanical Dewatering of Muck and Methods for Stripping Nutrients from Interstitial Water
7. Indian River Lagoon Research News: TechCon, ShORE, and Harbor Branch Symposium Highlights
8. Completed and Ongoing Muck Research – Florida Tech and Ocean Research Conservation Association
9. Lagoon Fish and Fisheries
10. A Day in the Life of the Indian River Lagoon Summary – Missy Weiss

Save Our Indian River Lagoon Performance Table

Responsible Entity	Project Name	Project Type	Grant Confirmation Notice Sent	Scope of Work Received	Contract Prepared	Executed By County	Executed By Grantee	Project Complete	Reimbursement Requested	Reimbursement Sent
Brevard County	Long Point Park Upgrade	Septic Upgrade							100.00%	100.00%
Brevard County	Denitrification Retrofit of Johns Rd Pond (Engineering)	Stormwater Traditional							70.70%	70.70%
Brevard County	Denitrification Retrofit of Johns Rd Pond (Construction)	Stormwater Traditional		Expected Fiscal Year 2018/19						
Brevard County	Kingsmill-Aurora Phase 2 of 2 (Land Acquisition)	Stormwater Traditional								
Brevard County	Kingsmill-Aurora Phase 2 of 2 (Engineering)	Stormwater Traditional								
Brevard County	Kingsmill-Aurora Phase 2 of 2 (Construction)	Stormwater Traditional		Expected Fiscal Year 2020/21						
Brevard County	Denitrification Retrofit of Huntington Pond (Engineering)	Stormwater Traditional							49.84%	49.84%
Brevard County	Denitrification Retrofit of Huntington Pond (Construction)	Stormwater Traditional		Expected Fiscal Year 2018/19						
Brevard County	Denitrification Retrofit of Flounder Creek Pond (Engineering)	Stormwater Traditional							73.68%	73.68%
Brevard County	Denitrification Retrofit of Flounder Creek Pond (Construction)	Stormwater Traditional		Expected Fiscal Year 2018/19						
Brevard County	Basin 1349 (Engineering)	Stormwater Traditional								
Brevard County	Basin 1349 (Construction)	Stormwater Traditional		Expected Fiscal Year 2019/20						

Responsible Entity	Project Name	Project Type	Grant Confirmation Notice Sent	Scope of Work Received	Contract Prepared	Executed By County	Executed By Grantee	Project Complete	Reimbursement Requested	Reimbursement Sent
Brevard County	Basin 1409 (Engineering)	Stormwater Traditional								
Brevard County	Basin 1409 (Construction)	Stormwater Traditional		Expected Fiscal Year 2019/20						
Brevard County	Mims Muck Removal: Outflow Water Nutrient Removal (Engineering)	Muck Removal & Interstitial Treatment								
Brevard County	Mims Muck Removal: Outflow Water Nutrient Removal (Construction)	Muck Removal & Interstitial Treatment		Expected Fiscal Year 2018/19						
Brevard County	Grand Canal Muck Dredging (Engineering)	Muck Removal & Interstitial Treatment								
Brevard County	Grand Canal Muck Dredging (Construction)	Muck Removal & Interstitial Treatment		Expected Fiscal Year 2018/19						
Brevard County	Sykes Creek Muck Dredging (Engineering)	Muck Removal & Interstitial Treatment								
Brevard County	Sykes Creek Muck Dredging (Construction)	Muck Removal & Interstitial Treatment		Expected Fiscal Year 2019/20						
Brevard County	Muck Re-dredging in Turkey Creek (Engineering)	Muck Removal & Interstitial Treatment							included below	included below
Brevard County	Muck Re-dredging in Turkey Creek (Construction)	Muck Removal & Interstitial Treatment							60.74%	60.74%
Brevard County	Muck Interstitial Water Treatment for Turkey Creek	Muck Removal & Interstitial Treatment							included above	included above



Responsible Entity	Project Name	Project Type	Grant Confirmation Notice Sent	Scope of Work Received	Contract Prepared	Executed By County	Executed By Grantee	Project Complete	Reimbursement Requested	Reimbursement Sent
Brevard County	Merritt Island Muck Removal, Phase 1 of 2 (Engineering)	Muck Removal & Interstitial Treatment								
Brevard County	Merritt Island Muck Removal, Ph 1 of 2 (Construction)	Muck Removal & Interstitial Treatment		Expected Fiscal Year 2018/19						
Brevard County	Titusville Area Muck Removal, (Engineering)	Muck Removal & Interstitial Treatment							1.29%	1.29%
Brevard County	Titusville Area Muck Removal (Construction)	Muck Removal & Interstitial Treatment		Expected Fiscal Year 2018/19						
Brevard County	Eau Gallie Area Muck Dredging (Engineering)	Muck Removal & Interstitial Treatment							0.19%	0.19%
Brevard County	Eau Gallie Area Muck Dredging (Construction)	Muck Removal & Interstitial Treatment		Expected Fiscal Year 2018/19						
Brevard County	Rockledge Area Muck Dredging (Engineering)	Muck Removal & Interstitial Treatment							0.19%	0.19%
Brevard County	Rockledge Area Muck Dredging (Construction)	Muck Removal & Interstitial Treatment		Expected Fiscal Year 2018/19						
Brevard County	Sewer Lateral Replacement Repair - Sat. Bch Pilot (Engineering)	Sewer Upgrades								
Brevard County	Sewer Lateral Replacement Repair - Sat. Bch Pilot (Construction)	Sewer Upgrades		Expected Fiscal Year 2018/19						

Responsible Entity	Project Name	Project Type	Grant Confirmation Notice Sent	Scope of Work Received	Contract Prepared	Executed By County	Executed By Grantee	Project Complete	Reimbursement Requested	Reimbursement Sent
Brevard County	Sykes Creek - Zone N (Engineering)	Septic Removal							76.00%	76.00%
Brevard County	Sykes Creek - Zone N (Construction)	Septic Removal		Expected Fiscal Year 2018/19						
Brevard County	Sykes Creek - Zone M (Engineering)	Septic Removal							14.00%	14.00%
Brevard County	Sykes Creek - Zone M (Construction)	Septic Removal		Expected Fiscal Year 2019/20						
Brevard County	Sykes Creek - Zone T (Engineering)	Septic Removal							10.00%	10.00%
Brevard County	South Central - Zone C (Engineering)	Septic Removal							17.00%	13.00%
Brevard County	Micco Sewer Line Extension (Engineering)	Septic Removal							10.86%	10.86%
Brevard County	Micco Sewer Line Extension (Construction)	Septic Removal		Expected Fiscal Year 2018/19						
Brevard County	Riverview Senior Resort (Engineering)	Living Shoreline - Oyster							included below	included below
Brevard County	Riverview Senior Resort (Construction)	Living Shoreline - Oyster							100.00%	100.00%
Brevard County	Marsh Harbor (Engineering)	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Brevard County	Marsh Harbor (Construction)	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Brevard County	Indian River Drive (Engineering)	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Brevard County	Indian River Drive (Construction)	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Brevard Zoo	Eden Isles Lane	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Brevard Zoo	Marina Isles	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						

Responsible Entity	Project Name	Project Type	Grant Confirmation Notice Sent	Scope of Work Received	Contract Prepared	Executed By County	Executed By Grantee	Project Complete	Reimbursement Requested	Reimbursement Sent
Brevard Zoo	Bettinger	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Brevard Zoo	Gitlin	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Brevard Zoo	Coconut Pt/EELS	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Brevard Zoo	Wexford	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Brevard Zoo	Bomalaski	Living Shoreline - Oyster							100.00%	100.00%
Brevard Zoo	Oliver	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Cape Canaveral	Cocoa Palms LID	Stormwater Traditional		Expected Fiscal Year 2017/2018						
Cape Canaveral	Carver Cover Swales	Stormwater Traditional		Expected Fiscal Year 2017/2018						
Cape Canaveral	Central Blvd Baffle Box	Stormwater Traditional							100.00%	100.00%
Cape Canaveral	Cape Shores Swales	Stormwater Traditional		Expected Fiscal Year 2018/19						
Cape Canaveral	Justamere Rd. Swale	Stormwater Traditional		Expected Fiscal Year 2018/19						
Cape Canaveral	Hitching Post Berms	Stormwater Traditional		Expected Fiscal Year 2018/19						
Cocoa	Church Street Type II Baffle Box	Stormwater Traditional							100.00%	
Cocoa Beach	Stormwater LID Convair Cove 1 Blakey Blvd	Stormwater Traditional		Expected Fiscal Year 2018/19						

Responsible Entity	Project Name	Project Type	Grant Confirmation Notice Sent	Scope of Work Received	Contract Prepared	Executed By County	Executed By Grantee	Project Complete	Reimbursement Requested	Reimbursement Sent
Cocoa Beach	Stormwater LID Convair Cove 2 Demsey Drive	Stormwater Traditional		Expected Fiscal Year 2018/19						
Cocoa Beach	Cocoa Beach Muck Dredging- Phase III	Muck Removal & Interstitial Treatment							35.21%	24.04%
Cocoa Beach	Cocoa Beach Muck Dredging- Phase III Interstitial	Muck Removal & Interstitial Treatment		Expected Fiscal Year 2018/19						
Cocoa Beach	McNabb Park	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Cocoa Beach	McNabb Park - Plants	Living Shoreline - Plants		Expected Fiscal Year 2018/19						
Indian Harbour Beach	Gleason Park Reuse	Stormwater Traditional							100.00%	100.00%
Indian Harbour Beach	Muck Removal of IHB Canals	Muck Removal & Interstitial Treatment		Expected Fiscal Year 2018/19						
Indian Harbour Beach	Muck Interstitial Water Treatment for IHB Canals	Muck Removal & Interstitial Treatment		Expected Fiscal Year 2018/19						
Indian Harbour Beach	Big Muddy @ Cynthia Baffle Box	Stormwater Traditional		Expected Fiscal Year 2018/19						
Marine Resources Council	Grass Clippings Campaign	Education Outreach								
Marine Resources Council	Cocoa Beach Country Club	Living Shoreline - Plants							100.00%	100.00%
Marine Resources Council	Lagoon House Shoreline Restoration Planting	Living Shoreline - Plants							100.00%	100.00%
Melbourne	Hoag Sewer Conversion	Septic Removal								

Responsible Entity	Project Name	Project Type	Grant Confirmation Notice Sent	Scope of Work Received	Contract Prepared	Executed By County	Executed By Grantee	Project Complete	Reimbursement Requested	Reimbursement Sent
Melbourne	Pennwood Sewer Conversion	Septic Removal								
Melbourne	Cliff Creek Baffle Box	Stormwater Traditional								
Melbourne	Thrush Drive Baffle Box	Stormwater Traditional								
Melbourne	Stewart Road Dry Retrofit	Stormwater Traditional		Expected Fiscal Year 2018/19						
Melbourne	Riverside Drive Septic Removal Conversion	Septic Removal								
Melbourne	Riverview Park	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Melbourne	Riverview Park	Living Shoreline - Plants		Expected Fiscal Year 2018/19						
Melbourne	Septic Removal Melbourne	Septic Removal		Expected Fiscal Year 2019/20						
MIRA	MIRA Septic Removal Phase 1 of 2	Septic Removal							5.61%	5.61%
MIRA	MIRA Septic Removal Phase 2 of 2	Septic Removal								
Palm Bay	Bayfront Stormwater Project	Stormwater Traditional							100.00%	100.00%
Palm Bay	Turkey Creek Shoreline Restoration	Living Shoreline								
Palm Bay	North Region WRF	WWTF Upgrades							3.11%	3.11%
Palm Bay	Septic Removal - Palm Bay near sewer	Septic Removal		Expected Fiscal Year 2018/19						

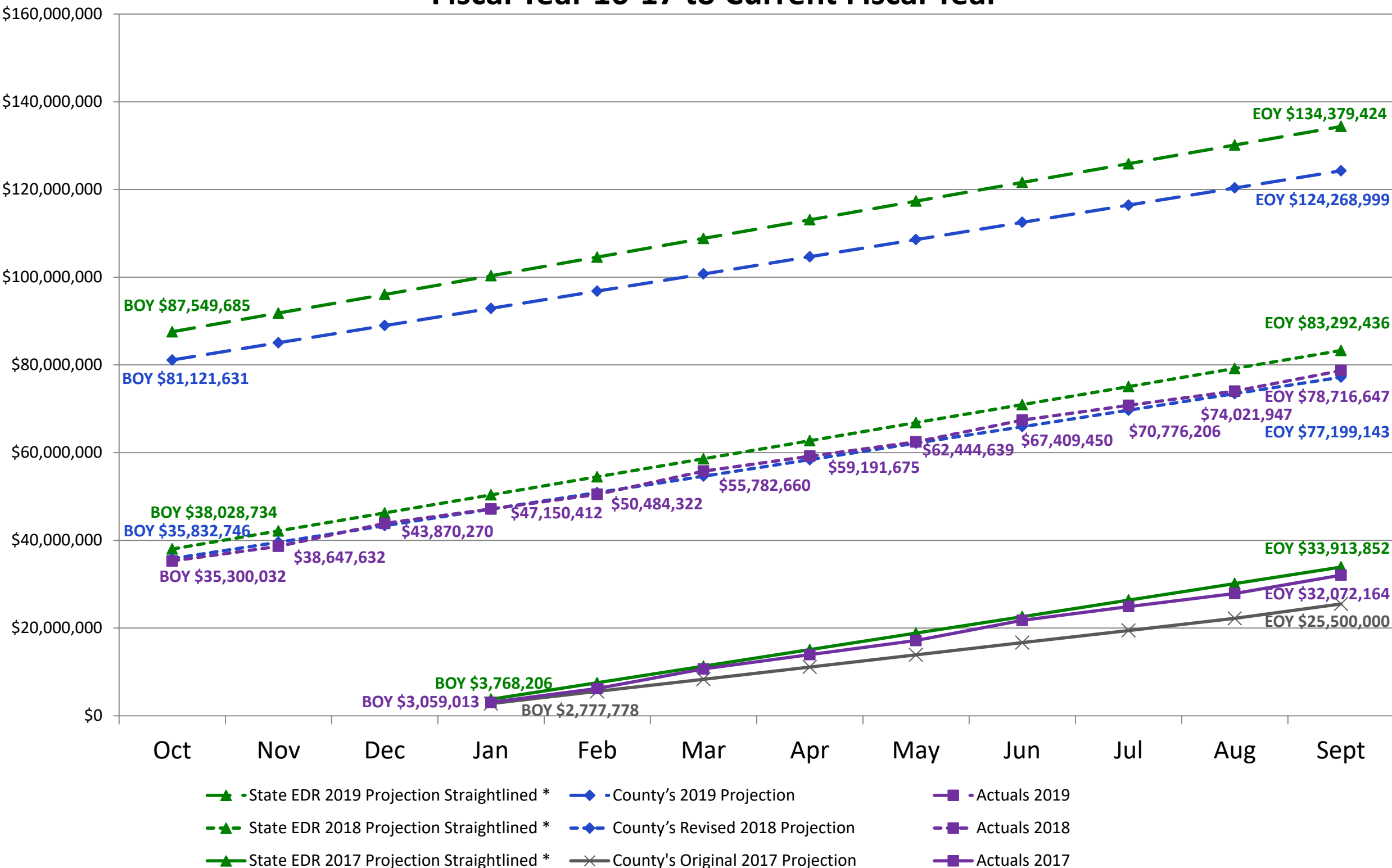
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Previous Month Grant Confirmation Notice Sent Total	Previous Month Scope of Work Received Total	Previous Month Contract Prepared Total	Previous Month Executed By County Total	Previous Month Executed by Grantee Total	Previous Month Project Complete Total	Previous Month Reimbursement Requested Total	Previous Month Reimbursement Sent Total
94	49	48	46	45	18	29	28

Current Month Grant Confirmation Notice Sent Total	Current Month Scope of Work Received Total	Current Month Contract Prepared Total	Current Month Executed By County Total	Current Month Executed by Grantee Total	Current Month Project Complete Total	Current Month Reimbursement Requested Total	Current Month Reimbursement Sent Total
98	52	49	46	45	18	30	28

# Save Our Indian River Lagoon Revenues Cumulative Graph

## Fiscal Year 16-17 to Current Fiscal Year



\* Economic and Demographic Research Data is sourced from Florida's Office of Economic & Demographic Research using their Estimation of Realized and Unrealized Tax Revenues Table

- Projected and Actual Data is from Systems, Applications and Products program
- EDR-Economic and Demographic Research Data, BOY-Beginning of Year, EOY-End of Year
- For Screen Readers use the Save Our Indian River Lagoon Revenues Cumulative Fiscal Year 16-17 to Current Fiscal Year Table



## Save Our Indian River Lagoon Revenues Cumulative Chart

### Fiscal Year 16-17 to Current Fiscal Year

Month	State EDR 2019 Projection Straightlined *	County's 2019 Projection	Actuals 2019	State EDR 2018 Projection Straightlined *	County's Revised 2018 Projection	Actuals 2018	State EDR 2017 Projection Straightlined *	County's Original 2017 Projection	Actuals 2017
Oct	\$87,549,685	\$81,121,631		\$38,028,734	\$35,832,746	\$35,300,032			
Nov	\$91,806,934	\$85,044,119		\$42,143,616	\$39,593,327	\$38,647,632			
Dec	\$96,064,183	\$88,966,607		\$46,258,498	\$43,353,909	\$43,870,270			
Jan	\$100,321,432	\$92,889,095		\$50,373,380	\$47,114,490	\$47,150,412	\$3,768,206	\$2,777,778	\$3,059,013
Feb	\$104,578,681	\$96,811,583		\$54,488,262	\$50,875,072	\$50,484,322	\$7,536,412	\$5,555,556	\$6,217,230
Mar	\$108,835,930	\$100,734,071		\$58,603,144	\$54,635,653	\$55,782,660	\$11,304,617	\$8,333,334	\$10,686,395
Apr	\$113,093,179	\$104,656,559		\$62,718,026	\$58,396,235	\$59,191,675	\$15,072,823	\$11,111,112	\$13,941,510
May	\$117,350,428	\$108,579,047		\$66,832,908	\$62,156,817	\$62,444,639	\$18,841,029	\$13,888,890	\$17,177,137
Jun	\$121,607,677	\$112,501,535		\$70,947,790	\$65,917,398	\$67,409,450	\$22,609,235	\$16,666,668	\$21,754,009
Jul	\$125,864,926	\$116,424,023		\$75,062,672	\$69,677,980	\$70,776,206	\$26,377,441	\$19,444,446	\$24,898,729
Aug	\$130,122,175	\$120,346,511		\$79,177,554	\$73,438,561	\$74,021,947	\$30,145,647	\$22,222,224	\$27,890,034
Sept	\$134,379,424	\$124,268,999		\$83,292,436	\$77,199,143	\$78,716,647	\$33,913,852	\$25,500,000	\$32,072,164

\* Economic and Demographic Research Data is sourced from Florida's Office of Economic & Demographic Research using their Estimation of Realized and Unrealized Tax Revenues Table

- Projected and Actual Data is from Systems, Applications and Products program
- EDR-Economic and Demographic Research Data, BOY-Beginning of Year, EOY-End of Year

## Save Our Indian River Lagoon - FY 2019

Financial Statement as of 6 December 2018

Fund 1260

\*Total Assigned YTD-Year to Date, includes all stages of accounting for expenditures, with data derived from Systems, Applications and Products program; \*\*Contracted with Municipalities data is derived from Contract Management System; \*\*\*Reimbursement requests expected in later fiscal years; SOIRL-Save Our Indian River Lagoon; CM-Contract Management System; BRL-Banana River Lagoon; NIRL-North Indian River Lagoon; CIRL-Central Indian River Lagoon

### Revenues

Commodity	Budget	Total Assigned YTD*	% Earned
Taxes	\$ 46,088,184	\$ -	0.00%
Interest Earned	\$ 1,404,635	\$ -	0.00%
Insurance Claims	\$ -	\$ -	
Federal Grants	\$ 1,357,269	\$ -	
State Grants	\$ 226,212	\$ -	
Cost Sharing - SJRWMD	\$ 678,730	\$ -	
Statutory Reduction	\$ (2,487,752)	\$ -	
Balance Forward	\$ 72,712,813	\$ -	
<b>Total</b>	<b>\$ 119,980,091</b>	<b>\$ -</b>	

### Expenditures (Roll-Up)

Commodity	Budget	Total Assigned YTD*	Actuals
Compensation & Benefits	\$ 460,338	\$ 446,998	\$ 65,316
Operating Expenses	\$ 213,751	\$ 91,343	\$ 7,612
Capital Outlay	\$ 5,774	\$ -	\$ -
Transfers	\$ -	\$ -	\$ -
SOIRL Projects funded under Operating Expenses	\$ 6,921,643	\$ 365,772	\$ 60,990
SOIRL Projects funded under Capital Improvement	\$ 30,362,465	\$ 1,845,243	\$ 74,394
SOIRL Projects funded under Aid to Gov't Agencies	\$ 41,729,137	\$ 4,579,324	\$ 193,231
SOIRL Projects funded under Aid to Private Organizations	\$ 700,786	\$ -	\$ -
A1-Contingency	\$ 5,509,896	\$ -	\$ -
Reserves	\$ 34,076,301	\$ -	\$ -
<b>Total</b>	<b>\$ 119,980,091</b>	<b>\$ 7,328,680</b>	<b>\$ 401,544</b>

\*Total Assigned YTD-Year to Date, includes all stages of accounting for expenditures, with data derived from Systems, Applications and Products program; \*\*Contracted with Municipalities data is derived from Contract Management System; \*\*\*Reimbursement requests expected in later fiscal years; SOIRL-Save Our Indian River Lagoon; CM-Contract Management System; BRL-Banana River Lagoon; NIRL-North Indian River Lagoon; CIRL-Central Indian River Lagoon

## SOIRL Projects

Project Title SOIRL Projects funded under Operating Expenses	Contracted**	Budget	Total Assigned YTD*	Actuals
1/2-Project Monitoring (Respond) CM's: 3972, 3971, 3959, 3690, 3979, 3973, 4047, 4101	\$ 361,982	\$ 1,951,462	\$ 335,772	\$ 60,990
1/2-Community Awareness Initiatives	\$ 10,400	\$ 46,147	\$ 10,000	\$ -
1/2-Fertilizer Management Public Education	\$ -	\$ 176,625	\$ -	\$ -
A1/2-Grass Clippings Public Education CM-3969	\$ 20,000	\$ 40,650	\$ 20,000	\$ -
A1/2-Excess Irrigation Public Education	\$ -	\$ 100,813	\$ -	\$ -
A1/2-Stormwater Pond Maintenance Public Education	\$ -	\$ 100,813	\$ -	\$ -
A1/2-Septic System Maintenance Public Education	\$ -	\$ 100,813	\$ -	\$ -
1/2-Septic Upgrades-BRL-50 Upgrades	\$ -	\$ 813,520	\$ -	\$ -
1/2-Septic Upgrades-NIRL-75 Upgrades	\$ -	\$ 1,220,800	\$ -	\$ -
1/2-Septic Upgrades-CIRL- 94 Upgrades	\$ -	\$ 1,530,000	\$ -	\$ -
A1-Sewer Laterals Pilot Project	\$ -	\$ 840,000	\$ -	\$ -
<i>SOIRL Projects funded under Operating Expenses Subtotal</i>	<i>\$ 392,382</i>	<i>\$ 6,921,643</i>	<i>\$ 365,772</i>	<i>\$ 60,990</i>

\*Total Assigned YTD-Year to Date, includes all stages of accounting for expenditures, with data derived from Systems, Applications and Products program; \*\*Contracted with Municipalities data is derived from Contract Management System; \*\*\*Reimbursement requests expected in later fiscal years; SOIRL-Save Our Indian River Lagoon; CM-Contract Management System; BRL-Banana River Lagoon; NIRL-North Indian River Lagoon; CIRL-Central Indian River Lagoon

## SOIRL Projects

Project Title SOIRL Projects funded under Capital Improvement	Contracted**	Budget	Total Assigned YTD*	Actuals
0/2-Septic Removal-BRL-Sykes Creek M CM-3838	\$ 188,000	\$ 1,139,575	\$ 188,000	\$ -
0-Septic Removal-BRL-Sykes Creek T CM-3839	\$ 280,500	\$ 300,000	\$ 280,500	\$ -
0/1-Septic Removal-NIRL-South Central C CM-3840	\$ 402,408	\$ 2,640,000	\$ 373,163	\$ 17,076
S0-Septic Removal-CIRL-Micco Sewer Line Extension CM-3831, CM-3709, CM-3678	\$ 71,940	\$ 1,911,829	\$ 71,940	\$ -
1-Septic Removal-BRL-Sykes Creek N CM-3830	\$ 47,090	\$ 1,700,682	\$ 47,090	\$ -
0/2-Muck Removal-NIRL-Mims Outflow CM-3832	\$ 320,000	\$ 400,000	\$ -	\$ -
1/2-Muck Removal-NIRL-Grand Canal Muck Dredging	\$ -	\$ 1,500,000	\$ -	\$ -
1/2-Muck Removal-NIRL-Eau Gallie Muck Dredging CM-3975	\$ 12,470	\$ 7,033,530	\$ 12,470	\$ -
1/2-Muck Removal-BRL-Sykes Creek Muck Dredging CM-3833	\$ 200,000	\$ 1,500,000	\$ -	\$ -
A1-Muck Removal-CIRL-Turkey Creek Muck Dredging CM-3966, 3967	\$ 680,696	\$ 688,494	\$ 680,696	\$ -
A1-Muck Removal-BRL-Merritt Island Muck Dredging Phase I	\$ -	\$ 500,000	\$ -	\$ -
A1-Muck Removal-NIRL-Titusville Muck Dredging CM-3975	\$ 515,288	\$ 433,530	\$ 151,288	\$ 57,318
A1-Muck Removal-IRL-Melbourne Causeway Muck Dredging CM-3975	\$ 12,470	\$ 481,474	\$ 12,470	\$ -
2-Muck Removal-BRL-8% Canals Muck Dredging	\$ -	\$ 4,600,000	\$ -	\$ -
2-Muck Removal-BRL-Mathers Area Muck Dredging	\$ -	\$ 3,000,000	\$ -	\$ -
S0-Stormwater Projects-NIRL-Huntington Pond Denitrification CM-4015	\$ 13,390	\$ 104,720	\$ 13,390	\$ -
S0-Stormwater Projects-NIRL-Flounder Creek Pond CM-3907	\$ 7,117	\$ 59,581	\$ 7,118	\$ -
S0-Stormwater Projects-NIRL-John Roads Pond CM-3906	\$ 7,117	\$ 94,042	\$ 7,118	\$ -
S0-Stormwater Projects-NIRL-Kingsmill-Aurora Phase II ***	\$ -	\$ -	\$ -	\$ -

\*Total Assigned YTD-Year to Date, includes all stages of accounting for expenditures, with data derived from Systems, Applications and Products program; \*\*Contracted with Municipalities data is derived from Contract Management System; \*\*\*Reimbursement requests expected in later fiscal years; SOIRL-Save Our Indian River Lagoon; CM-Contract Management System; BRL-Banana River Lagoon; NIRL-North Indian River Lagoon; CIRL-Central Indian River Lagoon

## SOIRL Projects

Project Title SOIRL Projects funded under Capital Improvement Cont'd	Contracted**	Budget	Total Assigned YTD*	Actuals
1-Stormwater Projects-BRL-Basin 989 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
1-Stormwater Projects-BRL-Basin 1071 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
1-Stormwater Projects-BRL-Basin 1172 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
1-Stormwater Projects-BRL-Basin 1222 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
1-Stormwater Projects-NIRL-Basin 1318 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
2-Stormwater Projects-NIRL-Denitrification Basin	\$ -	\$ 10,000	\$ -	\$ -
2-Stormwater Projects-BRL-Denitrification Basin	\$ -	\$ 100,000	\$ -	\$ -
2-Stormwater Projects-CIRL-Denitrification Basin	\$ -	\$ 10,000	\$ -	\$ -
2-Stormwater Projects-BRL-A-Denitrification Basin	\$ -	\$ 100,000	\$ -	\$ -
2-Stormwater Projects-BRL-B-Denitrification Basin	\$ -	\$ 100,000	\$ -	\$ -
1-Oyster Reef Living Shoreline-BRL-Marsh Harbor	\$ -	\$ 47,350	\$ -	\$ -
1-Oyster Reef Living Shoreline-CIRL- Riverview Senior Resort CM-3806 Completed Year 1, Fiscal Year 17/18	\$ -	\$ 15,152	\$ -	\$ -
1-Oyster Reef Living Shoreline-NIRL-Indian River Drive	\$ -	\$ 179,930	\$ -	\$ -
A1-Plants Living Shoreline-NIRL-Indian River Drive	\$ -	\$ 22,860	\$ -	\$ -
A2-Oyster Reef Living Shoreline-BRL	\$ -	\$ 472,186	\$ -	\$ -
A2-Oyster Reef Living Shoreline-NIRL	\$ -	\$ 488,210	\$ -	\$ -
A2-Oyster Reef Living Shoreline-CIRL	\$ -	\$ 91,115	\$ -	\$ -
A2- Plants Living Shoreline-BRL	\$ -	\$ 59,623	\$ -	\$ -
A2- Plants Living Shoreline-NIRL	\$ -	\$ 62,802	\$ -	\$ -
A2- Plants Living Shoreline-CIRL	\$ -	\$ 15,780	\$ -	\$ -
<i>SOIRL Projects funded under Capital Improvement Subtotal</i>	<i>\$ 2,758,486</i>	<i>\$ 30,362,465</i>	<i>\$ 1,845,243</i>	<i>\$ 74,394</i>

\*Total Assigned YTD-Year to Date, includes all stages of accounting for expenditures, with data derived from Systems, Applications and Products program; \*\*Contracted with Municipalities data is derived from Contract Management System; \*\*\*Reimbursement requests expected in later fiscal years; SOIRL-Save Our Indian River Lagoon; CM-Contract Management System; BRL-Banana River Lagoon; NIRL-North Indian River Lagoon; CIRL-Central Indian River Lagoon

## SOIRL Projects

Project Title SOIRL Projects funded under Aid to Gov't Agencies	Contracted**	Budget	Total Assigned YTD*	Actuals
0/1/2-Waste Water Treatment Facility Upgrades-NIRL-Titusville Osprey CM-3627	\$ 1,000,000	\$ 8,195,000	\$ 1,000,000	\$ 90,586
1/2-Waste Water Treatment Upgrade-CIRL- Palm Bay CM-3934	\$ 156,427	\$ 1,435,652	\$ 876,427	\$ -
2-Waste Water Treatment -CIRL-Melbourne Grant Street		\$ 5,919,837	\$ -	\$ -
A1-Muck Removal-BLR-Cocoa Beach Phase III Muck Dredging & Interstitial CM-3986	\$ 632,645	\$ 1,317,719	\$ 632,645	\$ 83,529
A1-Muck Removal-BLR-Indian Harbour Beach Muck Dredging & Interstitial	\$ -	\$ 5,707,768	\$ -	\$ -
S0-Septic Removal-NIRL-MIRA	\$ 211,438	\$ 211,438	\$ -	\$ -
S0-Septic Removal-CIRL-Melbourne-Hoag Sewer Conversion CM-3932 ***	\$ 86,061	\$ 86,031	\$ 86,031	\$ -
S0-Septic Removal-CIRL-Melbourne- Penwood Sewer Conversion CM-3789	\$ 40,632	\$ 40,632	\$ 40,632	\$ -
1-Septic Removal-CIRL-Palm Bay B	\$ -	\$ 4,700,000	\$ -	\$ -
1-Septic Removal-CIRL-Palm Bay Sewer Hook-Ups	\$ -	\$ 7,764,000	\$ -	\$ -
A1-Septic to Sewer-CIRL-Melbourne- Riverside Drive	\$ -	\$ 265,960	\$ -	\$ -
2-Septic Removal-NIRL-Cocoa K	\$ -	\$ 702,100	\$ -	\$ -
2-Septic Removal-CIRL-Melbourne	\$ -	\$ 247,000	\$ -	\$ -
A2-Septic to Sewer-CIRL-West Melbourne- Sylvan Estates CM-3985	\$ 935,656	\$ 935,656	\$ 935,656	\$ 19,116
A2-Septic to Sewer-CIRL-West Melbourne- Roxy Avenue	\$ -	\$ 91,835	\$ -	\$ -
S0-Stormwater Project-BRL-Cape Canaveral- Cocoa Palms LID	\$ -	\$ 1,144	\$ -	\$ -
S0-Stormwater Project-BRL-Cape Canaveral- Carver Cove Swale	\$ -	\$ 2,816	\$ -	\$ -
S0-Stormwater Project-NIRL-Cocoa-Church St Type II Baffle Box	\$ -	\$ 20,856	\$ -	\$ -

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## SOIRL Projects

Project Title SOIRL Projects funded under Aid to Gov't Agencies Cont'd	Contracted**	Budget	Total Assigned YTD*	Actuals
S0-Stormwater Projects-BRL-Cape Canaveral Projects-Cape Shores Swale	\$ -	\$ 2,746	\$ -	\$ -
S0-Stormwater Projects-BRL-Cape Canaveral Projects-Justamere Road Swale	\$ -	\$ 528	\$ -	\$ -
S0-Stormwater Projects-BRL-Cape Canaveral Projects-Hitching Post Berms Swale	\$ -	\$ 2,552	\$ -	\$ -
S0-Stormwater Projects-NIRL-Titusville-St Teresa Basin CM-3929	\$ 322,200	\$ 272,800	\$ 42,800	\$ -
S0-Stormwater Projects-NIRL-Titusville- South Street Basin CM-3908	\$ 86,856	\$ 86,856	\$ 86,856	\$ -
S0-Stormwater Projects-NIRL-Titusville-La Paloma Basin CM-3933 ***	\$ 208,296	\$ 208,296	\$ 208,296	\$ -
S0-Stormwater Projects-NIRL-Melbourne- Cliff Creek Baffle Box CM-3931 ***	\$ 347,781	\$ 347,781	\$ 347,781	\$ -
S0-Stormwater Projects-NIRL-Melbourne- Thrush Drive Baffle Box CM-3930 ***	\$ 322,200	\$ 322,200	\$ 322,200	\$ -
S0-Stormwater Projects-CIRL-Melbourne- Stewart Rd Dry Retrofit	\$ -	\$ 18,345	\$ -	\$ -
A1-Stormwater Project-BRL-Indian Harbour Beach-Big Muddy Baffle Box	\$ -	\$ 26,638	\$ -	\$ -
A2-Stormwater Project-BLR-Cocoa Beach- Blakey Blvd	\$ -	\$ 3,017	\$ -	\$ -
A2-Stormwater Project-BLR-Cocoa Beach- Dempsey	\$ -	\$ 2,934	\$ -	\$ -
A2-Stormwater Projects-CIRL-Melbourne- Apollo/GA Baffle Box	\$ -	\$ 307,191	\$ -	\$ -
A2-Stormwater Projects-CIRL-Melbourne- Grant Place Baffle Box	\$ -	\$ 85,162	\$ -	\$ -
A2-Stormwater Projects-CIRL-SJRWMD- Melbourne-Crane Creek/M-1 Canal	\$ -	\$ 2,100,047	\$ -	\$ -

\*Total Assigned YTD-Year to Date, includes all stages of accounting for expenditures, with data derived from Systems, Applications and Products program; \*\*Contracted with Municipalities data is derived from Contract Management System; \*\*\*Reimbursement requests expected in later fiscal years; SOIRL-Save Our Indian River Lagoon; CM-Contract Management System; BRL-Banana River Lagoon; NIRL-North Indian River Lagoon; CIRL-Central Indian River Lagoon

## SOIRL Projects

Project Title SOIRL Projects funded under Aid to Gov't Agencies Cont'd	Contracted**	Budget	Total Assigned YTD*	Actuals
S0-Oyster/Living Shorelines-CIRL-Palm Bay-Turkey Creek Shoreline Restoration	\$ -	\$ 113,500	\$ -	\$ -
A1-Oyster/Living Shorelines-BRL-Cocoa Beach-McNabb	\$ -	\$ 34,056	\$ -	\$ -
A1-Plants/Living Shorelines-BRL-Cocoa Beach-McNabb	\$ -	\$ 5,760	\$ -	\$ -
A1-Oyster/Living Shorelines-NIRL-Melbourne-Riverview Park	\$ -	\$ 108,790	\$ -	\$ -
A1-Plants/Living Shorelines-NIRL-Melbourne-Riverview Park	\$ -	\$ 18,480	\$ -	\$ -
<i>SOIRL Projects funded under Aid to Gov't Agencies Subtotal</i>	<i>\$ 4,350,192</i>	<i>\$ 41,713,123</i>	<i>\$ 4,579,324</i>	<i>\$ 193,231</i>



\*Total Assigned YTD-Year to Date, includes all stages of accounting for expenditures, with data derived from Systems, Applications and Products program; \*\*Contracted with Municipalities data is derived from Contract Management System; \*\*\*Reimbursement requests expected in later fiscal years; SOIRL-Save Our Indian River Lagoon; CM-Contract Management System; BRL-Banana River Lagoon; NIRL-North Indian River Lagoon; CIRL-Central Indian River Lagoon

### SOIRL Projects

Project Title SOIRL Projects funded under Aid to Private Organizations	Contracted**	Budget	Total Assigned YTD*	Actuals
A1-Oyster/Living Shorelines-BRL-Zoo-Merritt Island-Eden Isles Lane	\$ -	\$ 21,805	\$ -	\$ -
A1-Oyster/Living Shorelines-BRL-Zoo-Indian Harbour Beach-Marina Isles	\$ -	\$ 26,700	\$ -	\$ -
A1-Oyster/Living Shorelines-BRL-Zoo-Cocoa Beach-Bettinger	\$ -	\$ 10,680	\$ -	\$ -
A1-Oyster/Living Shorelines-BRL-Zoo-Gitlin	\$ -	\$ 16,020	\$ -	\$ -
A1-Oyster/Living Shorelines-NIRL-Zoo-Merritt Island-Bomalaski CM-4005 Completed Year 1, Fiscal Year 17/18	\$ 8,900	\$ 8,900	\$ -	\$ -
A1-Oyster/Living Shorelines-NIRL-Zoo-Merritt Island-Oliver	\$ -	\$ 51,620	\$ -	\$ -
A1-Oyster/Living Shorelines-CIRL-Zoo-Coconut Point/EELS	\$ -	\$ 509,950	\$ -	\$ -
A1-Oyster/Living Shorelines-CIRL-Zoo-Melbourne Beach-Wexford	\$ -	\$ 31,150	\$ -	\$ -
A1-Plants/Living Shorelines-BRL-MRC-Cocoa Beach Country Club CM-4002 Completed Year 1, Fiscal Year 17/18	\$ 16,080	\$ 16,014	\$ -	\$ -
A1-Plants/Living Shorelines-CIRL-MRC-Lagoon House CM-4003 Completed Year 1, Fiscal Year 17/18	\$ 24,000	\$ 23,961	\$ -	\$ -
<i>SOIRL Projects funded under Aid to Private Organizations</i>	\$ 48,980	\$ 716,800	\$ -	\$ -
<b>SOIRL Projects Total</b>	<b>\$ 7,550,040</b>	<b>\$ 79,714,031</b>	<b>\$ 6,790,339</b>	<b>\$ 328,616</b>

# Save Our Indian River Lagoon - FY 2018

Final Financial Statement as of 06 December 2018

Fund 1260

\*Total Assigned YTD-Year to Date, includes all stages of accounting for expenditures, with data derived from Systems, Applications and Products program; \*\*Contracted with Municipalities data is derived from Contract Management System; \*\*\*Reimbursement requests expected in later fiscal years; SOIRL-Save Our Indian River Lagoon; CM-Contract Management System; BRL-Banana River Lagoon; NIRL-North Indian River Lagoon; CIRL-Central Indian River Lagoon

## Revenues

Commodity	Budget	Total Assigned YTD*	% Earned
Taxes	\$ 45,126,979	\$ 46,644,484	103.36%
Interest Earned	\$ 401,251	\$ 764,071	190.42%
Insurance Claims		\$ 224	
Federal Grants	\$ 1,357,269	\$ -	
State Grants	\$ 226,212	\$ -	
Cost Sharing - SJRWMD	\$ 678,730	\$ -	
Statutory Reduction	\$ (2,389,524)	\$ -	
Balance Forward	\$ 31,883,823	\$ 31,883,823	
<b>Total</b>	<b>\$ 77,284,740</b>	<b>\$ 79,292,602</b>	

## Expenditures (Roll-Up)

Commodity	Budget	Total Assigned YTD*	Actuals
Compensation & Benefits	\$ 456,636	\$ 362,605	\$ 362,605
Operating Expenses	\$ 98,944	\$ 53,840	\$ 71,594
Operating Expenses - Available now for YEAR 2 & 3 Design & Permitting	\$ 2,827,037	\$ -	\$ -
Capital Outlay	\$ 5,600	\$ 5,467	\$ 5,467
Transfers	\$ -	\$ -	\$ -
SOIRL Projects funded under Operating Expenses	\$ 3,883,000	\$ 553,058	\$ 174,229
SOIRL Projects funded under Capital Improvement	\$ 23,757,735	\$ 3,231,538	\$ 1,499,493
SOIRL Projects funded under Aid to Gov't Agencies	\$ 25,016,643	\$ 2,111,019	\$ 1,353,311
SOIRL Projects funded under Aid to Private Organizations	\$ 716,905	\$ 48,980	\$ 48,980
A1-Contingency	\$ 2,997,322	\$ -	\$ -
Reserves	\$ 17,524,918	\$ -	\$ -
<b>Total</b>	<b>\$ 77,284,740</b>	<b>\$ 6,366,508</b>	<b>\$ 3,515,679</b>

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## SOIRL Projects

Project Title SOIRL Projects funded under Operating Expenses	Contracted**	Budget	Total Assigned YTD*	Actuals
1-Project Monitoring (Respond) CM's: 3972, 3971, 3959, 3690, 3979, 3973, 4047	\$ 402,097	\$ 1,000,000	\$ 522,658	\$ 170,399
1-Community Awareness Initiatives	\$ 10,400	\$ 25,000	\$ 10,400	\$ 3,830
1-Fertilizer Management Public Education	\$ -	\$ 125,000	\$ -	\$ -
A1-Grass Clippings Public Education CM-3969	\$ 20,000	\$ 20,000	\$ 20,000	\$ -
A1-Excess Irrigation Public Education	\$ -	\$ 75,000	\$ -	\$ -
A1-Stormwater Pond Maintenance Public Education	\$ -	\$ 75,000	\$ -	\$ -
A1-Septic System Maintenance Public Education	\$ -	\$ 75,000	\$ -	\$ -
1-Septic Upgrades-BRL-24 Upgrades	\$ -	\$ 384,000	\$ -	\$ -
1-Septic Upgrades-NIRL-35 Upgrades	\$ -	\$ 560,000	\$ -	\$ -
1-Septic Upgrades-CIRL- 44 Upgrades	\$ -	\$ 704,000	\$ -	\$ -
A1-Sewer Laterals Pilot Project	\$ -	\$ 840,000	\$ -	\$ -
<i>SOIRL Projects funded under Operating Expenses Subtotal</i>	<i>\$ 432,497</i>	<i>\$ 3,883,000</i>	<i>\$ 553,058</i>	<i>\$ 174,229</i>

## SOIRL Projects

Project Title SOIRL Projects funded under Capital Improvement	Contracted**	Budget	Total Assigned YTD*	Actuals
0-Septic Removal-BRL-Sykes Creek M CM-3838	\$ 200,000	\$ 200,000	\$ 200,000	\$ 22,400
0-Septic Removal-BRL-Sykes Creek T CM-3839	\$ 300,000	\$ 300,000	\$ 300,000	\$ 26,000
0/1-Septic Removal-NIRL-South Central C CM-3840	\$ 450,000	\$ 2,640,000	\$ 420,755	\$ 47,592
S0-Septic Removal-CIRL-Micco Sewer Line Extension CM-3831, CM-3709	\$ 196,980	\$ 1,391,316	\$ 196,980	\$ 128,500
S0-Septic Removal-CIRL-Micco Sewer Line Extension SJRWMD CM-3678	\$ 644,793	\$ 644,793	\$ -	\$ -
1-Septic Removal-BRL-Sykes Creek N CM-3830	\$ 38,529	\$ 1,720,000	\$ 38,592	\$ 29,462

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## SOIRL Projects

Project Title SOIRL Projects funded under Capital Improvement Cont'd	Contracted**	Budget	Total Assigned YTD*	Actuals
0-Muck Removal-NIRL-Mims Outflow CM-3832 ***	\$ 100,000	\$ 100,000	\$ 100,000	\$ -
1-Muck Removal-NIRL-Grand Canal Muck Dredging	\$ -	\$ 4,000,000	\$ -	\$ -
1-Muck Removal-NIRL-Eau Gallie Muck Dredging CM-3975	\$ 52,055	\$ 3,640,000	\$ 52,055	\$ 41,633
1-Muck Removal-BRL-Sykes Creek Muck Dredging CM-3833	\$ 200,000	\$ 4,000,000	\$ -	\$ -
A1-Muck Removal-CIRL-Turkey Creek Muck Dredging CM-3966, 3967	\$ 1,719,207	\$ 1,719,207	\$ 1,719,207	\$ 1,044,168
A1-Muck Removal-BRL-Merritt Island Muck Dredging Phase I	\$ -	\$ 1,936,415	\$ -	\$ -
A1-Muck Removal-NIRL-Titusville Muck Dredging CM-3975	\$ 52,055	\$ 200,000	\$ 52,055	\$ 41,633
A1-Muck Removal-IRL-Melbourne Causeway Muck Dredging CM-3975	\$ 52,055	\$ 200,000	\$ 52,055	\$ 41,633
S0-Stormwater Projects-NIRL-Huntington Pond Denitrification CM-4015	\$ 18,205	\$ 104,720	\$ 18,205	\$ 9,074
S0-Stormwater Projects-NIRL-Flounder Creek Pond CM-3907	\$ 27,040	\$ 75,328	\$ 27,040	\$ 19,923
S0-Stormwater Projects-NIRL-John Roads Pond CM- 3906	\$ 24,290	\$ 105,512	\$ 24,290	\$ 17,173
S0-Kingsmill-Aurora Phase II ***	\$ -	\$ -	\$ -	\$ -
1-Basin 989 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
1-Basin 1071 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
1-Basin 1172 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
1-Basin 1222 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
1-Basin 1318 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
1-Oyster Reef Living Shoreline-BRL-Marsh Harbor	\$ -	\$ 47,350	\$ -	\$ -
1-Oyster Reef Living Shoreline-CIRL-Riverview Senior Resort CM-3806	\$ 30,400	\$ 30,304	\$ 30,304	\$ 30,304
1-Oyster Reef Living Shoreline-NIRL-Indian River Drive	\$ -	\$ 179,930	\$ -	\$ -
A1-Plants Living Shoreline-NIRL-Indian River Drive	\$ -	\$ 22,860	\$ -	\$ -
<i>SOIRL Projects funded under Capital Improvement Subtotal</i>	<i>\$ 4,105,609</i>	<i>\$ 23,757,735</i>	<i>\$ 3,231,538</i>	<i>\$ 1,499,493</i>

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## SOIRL Projects

Project Title SOIRL Projects funded under Aid to Gov't Agencies	Contracted**	Budget	Total Assigned YTD*	Actuals
0-Waste Water Treatment Facility Upgrades-NIRL-Titusville Osprey CM-3627	\$ 300,000	\$ 2,000,000	\$ 300,000	\$ -
1-Waste Water Treatment Upgrade-CIRL-Palm Bay CM-3934	\$ 200,000	\$ 200,000	\$ 200,000	\$ 43,573
A1-Muck Removal-BLR-Cocoa Beach Phase III Muck Dredging & Interstitial CM-3986	\$ 490,653	\$ 1,496,114	\$ 490,653	\$ 359,660
A1-Muck Removal-BLR-Indian Harbour Beach Muck Dredging & Interstitial	\$ -	\$ 5,707,768	\$ -	\$ -
S0-Septic Removal-NIRL-Rockledge Breeze Swept CM-3690	\$ 880,530	\$ 880,530	\$ 880,530	\$ 880,530
S0-Septic Removal-NIRL-MIRA	\$ 211,438	\$ 211,438	\$ -	\$ -
S0-Septic Removal-CIRL-Melbourne-Hoag Sewer Conversion CM-3932 ***	\$ 86,061	\$ 86,031	\$ -	\$ -
S0-Septic Removal-CIRL-Melbourne-Penwood Sewer Conversion CM-3789	\$ 40,632	\$ 40,632	\$ 40,632	\$ -
1-Septic Removal-CIRL-Palm Bay B	\$ -	\$ 4,700,000	\$ -	\$ -
1-Septic Removal-CIRL-Palm Bay Sewer Hook-Ups	\$ -	\$ 7,764,000	\$ -	\$ -
A1-Septic to Sewer-CIRL-Melbourne-Riverside Drive	\$ -	\$ 265,960	\$ -	\$ -
S0-Stormwater Project-BRL-Cape Canaveral-Cocoa Palms LID	\$ -	\$ 1,144	\$ -	\$ -
S0-Stormwater Project-BRL-Cape Canaveral-Carver Cove Swale	\$ -	\$ 2,816	\$ -	\$ -
S0-Stormwater Project-BRL-Cape Canaveral- Central Blvd Baffle Box CM-3683	\$ 34,700	\$ 34,700	\$ 34,700	\$ 34,700
S0-Stormwater Project-BRL-Indian Harbor-Gleason Park Reuse CM-3751	\$ 4,224	\$ 4,224	\$ 4,224	\$ 4,224
S0-Stormwater Project-NIRL-Cocoa-Church St Type II Baffle Box	\$ -	\$ 20,856	\$ -	\$ -
S0-Stormwater Project-CIRL-Palm Bay-Bayfront CM-3784	\$ 30,624	\$ 30,624	\$ 30,624	\$ 30,624
S0-Stormwater Projects-BRL-Cape Canaveral Projects-Cape Shores Swale	\$ -	\$ 2,746	\$ -	\$ -

\*Total Assigned YTD-Year to Date, includes all stages of accounting for expenditures, with data derived from Systems, Applications and Products program; \*\*Contracted with Municipalities data is derived from Contract Management System; \*\*\*Reimbursement requests expected in later fiscal years; SOIRL-Save Our Indian River Lagoon; CM-Contract Management System; BRL-Banana River Lagoon; NIRL-North Indian River Lagoon; CIRL-Central Indian River Lagoon

## SOIRL Projects

Project Title SOIRL Projects funded under Aid to Gov't Agencies Cont'd	Contracted**	Budget	Total Assigned YTD*	Actuals
S0-Stormwater Projects-BRL-Cape Canaveral Projects-Justamere Road Swale	\$ -	\$ 528	\$ -	\$ -
S0-Stormwater Projects-BRL-Cape Canaveral Projects-Hitching Post Berms Swale	\$ -	\$ 2,552	\$ -	\$ -
S0-Stormwater Projects-NIRL-Titusville-St Teresa Basin CM-3929	\$ 322,200	\$ 272,800	\$ 42,800	\$ -
S0-Stormwater Projects-NIRL-Titusville-South Street Basin CM-3908	\$ 86,856	\$ 86,856	\$ 86,856	\$ -
S0-Stormwater Projects-NIRL-Titusville-La Paloma Basin CM-3933 ***	\$ 208,296	\$ 208,296	\$ -	\$ -
S0-Stormwater Projects-NIRL-Melbourne-Cliff Creek Baffle Box CM-3931 ***	\$ 347,781	\$ 347,781	\$ -	\$ -
S0-Stormwater Projects-NIRL-Melbourne-Thrush Drive Baffle Box CM-3930 ***	\$ 322,200	\$ 322,200	\$ -	\$ -
S0-Stormwater Projects-CIRL-Melbourne-Stewart Rd Dry Retrofit	\$ -	\$ 18,344	\$ -	\$ -
A1-Stormwater Project-BRL-Indian Harbour Beach- Big Muddy Baffle Box	\$ -	\$ 26,637	\$ -	\$ -
S0-Oyster/Living Shorelines-CIRL-Palm Bay-Turkey Creek Shoreline Restoration	\$ -	\$ 113,500	\$ -	\$ -
A1-Oyster/Living Shorelines-BRL-Cocoa Beach- McNabb	\$ -	\$ 34,056	\$ -	\$ -
A1-Plants/Living Shorelines-BRL-Cocoa Beach- McNabb	\$ -	\$ 5,760	\$ -	\$ -
A1-Oyster/Living Shorelines-NIRL-Melbourne- Riverview Park	\$ -	\$ 108,970	\$ -	\$ -
A1-Plants/Living Shorelines-NIRL-Melbourne- Riverview Park	\$ -	\$ 18,480	\$ -	\$ -
<i>SOIRL Projects funded under Aid to Gov't Agencies Subtotal</i>	<i>\$ 3,566,195</i>	<i>\$ 25,016,343</i>	<i>\$ 2,111,019</i>	<i>\$ 1,353,311</i>

\*Total Assigned YTD-Year to Date, includes all stages of accounting for expenditures, with data derived from Systems, Applications and Products program; \*\*Contracted with Municipalities data is derived from Contract Management System; \*\*\*Reimbursement requests expected in later fiscal years; SOIRL-Save Our Indian River Lagoon; CM-Contract Management System; BRL-Banana River Lagoon; NIRL-North Indian River Lagoon; CIRL-Central Indian River Lagoon

## SOIRL Projects

Project Title SOIRL Projects funded under Aid to Private Organizations	Contracted**	Budget	Total Assigned YTD*	Actuals
A1-Oyster/Living Shorelines-BRL-Zoo-Merritt Island-Eden Isles Lane	\$ -	\$ 21,805	\$ -	\$ -
A1-Oyster/Living Shorelines-BRL-Zoo-Indian Harbour Beach-Marina Isles	\$ -	\$ 26,700	\$ -	\$ -
A1-Oyster/Living Shorelines-BRL-Zoo-Cocoa Beach- Bettinger	\$ -	\$ 10,680	\$ -	\$ -
A1-Oyster/Living Shorelines-BRL-Zoo-Gitlin	\$ -	\$ 16,020	\$ -	\$ -
A1-Oyster/Living Shorelines-NIRL-Zoo-Merritt Island-Bomalaski CM-4005	\$ 8,900	\$ 8,900	\$ 8,900	\$ 8,900
A1-Oyster/Living Shorelines-NIRL-Zoo-Merritt Island-Oliver	\$ -	\$ 51,620	\$ -	\$ -
A1-Oyster/Living Shorelines-CIRL-Zoo-Coconut Point/EELS	\$ -	\$ 509,950	\$ -	\$ -
A1-Oyster/Living Shorelines-CIRL-Zoo-Melbourne Beach-Wexford	\$ -	\$ 31,150	\$ -	\$ -
A1-Plants/Living Shorelines-BRL-MRC-Cocoa Beach Country Club CM-4002	\$ 16,080	\$ 16,080	\$ 16,080	\$ 16,080
A1-Plants/Living Shorelines-CIRL-MRC-Lagoon House CM-4003	\$ 24,000	\$ 24,000	\$ 24,000	\$ 24,000
<i>SOIRL Projects funded under Aid to Private Organizations</i>	\$ 48,980	\$ 716,905	\$ 48,980	\$ 48,980
<b>SOIRL Projects Total</b>	<b>\$ 8,153,281</b>	<b>\$ 53,373,983</b>	<b>\$ 5,944,595</b>	<b>\$ 3,076,013</b>

Save Our Indian River Lagoon November 2018 Project Funding Requests

Project Year Start	Project Year End	Number	Name	Jurisdiction	Type	Sub-Lagoon	Total Nitrogen Reduction (pounds/year)	Total Phosphorus Reduction (pounds/year)	Total Cost	Lagoon Tax Eligibility	Amount for Funding Consideration	Application Complete(Yes/No)
Fiscal Year 18/19	Fiscal Year 19/20	66b	Big Muddy Baffle Box Expansion	City of Indian Harbour Beach	Stormwater Traditional Best Management Practices	Banana	167	10	\$283,975	\$25,837	\$25,837	Yes
Fiscal Year 18/19	Fiscal Year 18/19	85	Basin 1304 Bioreactor	Brevard County	Stormwater Traditional Best Management Practices	Banana	958	127	\$125,000	\$148,490	\$90,000	Yes
Fiscal Year 18/19	Fiscal Year 18/19	86	M1 Canal BAM	Brevard County	Stormwater Traditional Best Management Practices	Central Indian River Lagoon	1,433	191	\$101,300	\$134,702	\$66,300	Yes
Fiscal Year 18/19	Fiscal Year 18/19	87	Flemming Grant BAM	Brevard County	Stormwater Traditional Best Management Practices	Central Indian River Lagoon	602	91	\$51,800	\$56,588	\$16,800	Yes
Fiscal Year 18/19	Fiscal Year 19/20	88	Espanola Baffle Box	City of Melbourne	Stormwater Traditional Best Management Practices	Central Indian River Lagoon	1119	148	\$550,000	\$105,186	\$105,186	Yes
Fiscal Year 18/19	Fiscal Year 18/19	89	Basin 1298 Bioreactor	Brevard County	Stormwater Traditional Best Management Practices	North Indian River Lagoon	917	116	\$125,000	\$86,198	\$86,198	Yes



Project Year Start	Project Year End	Number	Name	Jurisdiction	Type	Sub-Lagoon	Total Nitrogen Reduction (pounds/year)	Total Phosphorus Reduction (pounds/year)	Total Cost	Lagoon Tax Eligibility	Amount for Funding Consideration	Application Complete(Yes/No)
Fiscal Year 18/19	Fiscal Year 18/19	90	Johns Rd Pond BAM	Brevard County	Stormwater Traditional Best Management Practices	North Indian River Lagoon	245	37	\$116,905	\$23,030	\$23,030	Yes
Fiscal Year 18/19	Fiscal Year 18/19	91	Burkholm Rd BAM	Brevard County	Stormwater Traditional Best Management Practices	North Indian River Lagoon	685	104	\$117,735	\$64,390	\$64,390	Yes
Fiscal Year 18/19	Fiscal Year 18/19	92	Carter Rd BAM	Brevard County	Stormwater Traditional Best Management Practices	North Indian River Lagoon	665	101	\$120,100	\$62,510	\$62,510	Yes
Fiscal Year 18/19	Fiscal Year 18/19	93	Wiley Rd BAM	Brevard County	Stormwater Traditional Best Management Practices	North Indian River Lagoon	954	144	\$117,735	\$89,676	\$82,735	Yes
Fiscal Year 18/19	Fiscal Year 18/19	94	Broadway Pond BAM	Brevard County	Stormwater Traditional Best Management Practices	North Indian River Lagoon	456	69	\$178,900	\$42,864	\$42,864	Yes
Fiscal Year 18/19	Fiscal Year 19/20	95	Cherry St Baffle Box	City of Melbourne	Stormwater Traditional Best Management Practices	North Indian River Lagoon	980	174	\$550,000	\$92,120	\$92,120	Yes
Fiscal Year 18/19	Fiscal Year 19/20	96	Spring Creek Baffle Box	City of Melbourne	Stormwater Traditional Best Management Practices	North Indian River Lagoon	1057	232	\$450,000	\$99,358	\$99,358	Yes

Project Year Start	Project Year End	Number	Name	Jurisdiction	Type	Sub-Lagoon	Total Nitrogen Reduction (pounds/year)	Total Phosphorus Reduction (pounds/year)	Total Cost	Lagoon Tax Eligibility	Amount for Funding Consideration	Application Complete(Yes/No)
Fiscal Year 18/19	Fiscal Year 18/19	97	THS Baffle Box	City of Titusville	Stormwater Traditional Best Management Practices	North Indian River Lagoon	1,190	166	\$453,100	\$111,813	\$111,813	Yes
Fiscal Year 18/19	Fiscal Year 18/19	98	Coleman Pond MAPS	City of Titusville	Stormwater Traditional Best Management Practices	North Indian River Lagoon	1,240	198	\$35,000	\$116,560	\$35,000	Yes
Fiscal Year 18/19	Fiscal Year 19/20	99	Cocoa Beach WRF Upgrade	City of Cocoa Beach	WWTP Upgrade	Banana	3,278	1092	\$5,425,320	\$983,400	\$983,400	Yes
Fiscal Year 18/19	Fiscal Year 19/20	100	Osprey Basin Lateral Repair Project	City of Titusville	Sewer Lateral Rehab	North Indian River Lagoon	640	0	\$200,000	\$288,000	\$200,000	Yes
Fiscal Year 18/19	Fiscal Year 20/21	101	Cocoa Beach Muck Dredging Phase II-B	City of Cocoa Beach	Muck Removal	Banana	6,300	840	\$5,917,650	\$6,029,100	\$5,917,650	Yes
Fiscal Year 18/19	Fiscal Year 18/19	102	Brevard Zoo Banana River Plant Project	Brevard Zoo	Living Shoreline - Plants	Banana	13	4	\$3,120	\$3,120	\$3,120	Yes
Fiscal Year 18/19	Fiscal Year 18/19	104	Brevard Zoo North Indian River Lagoon Plant Project	Brevard Zoo	Living Shoreline - Plants	North Indian River Lagoon	3	1	\$720	\$720	\$720	Yes
Fiscal Year 18/19	Fiscal Year 20/21	105	Brevard Zoo Banana River Oyster Project	Brevard Zoo	Living Shoreline - Oyster	Banana	1476	37	\$583,020	\$583,020	\$583,020	Yes

Project Year Start	Project Year End	Number	Name	Jurisdiction	Type	Sub-Lagoon	Total Nitrogen Reduction (pounds/year)	Total Phosphorus Reduction (pounds/year)	Total Cost	Lagoon Tax Eligibility	Amount for Funding Consideration	Application Complete(Yes/No)
Fiscal Year 18/19	Fiscal Year 20/21	106	Brevard Zoo Central Indian River Lagoon Oyster Project	Brevard Zoo	Living Shoreline - Oyster	Central Indian River Lagoon	408	10	\$161,160	\$161,160	\$161,160	Yes
Fiscal Year 18/19	Fiscal Year 20/21	107	Brevard Zoo North Indian River Lagoon Oyster Project	Brevard Zoo	Living Shoreline - Oyster	North Indian River Lagoon	864	22	\$341,280	\$341,280	\$341,280	Yes

Applications submitted in November 21018 are for funding in Fiscal Year 19/20; however, applicants were asked to note if projects were ready to proceed earlier. Projects that are ready to proceed in Fiscal Year 18/19 may be considered for funding this year, subject to County Commission approval of a budget change allocating available Save Our Indian River Lagoon Trust Fund revenues.

Sum of Total Nitrogen Reduction (pounds/year)	Sum of Total Phosphorus Reduction (pounds/year)	Sum of Total Cost	Sum of Lagoon Tax Eligibility	Sum of Amount for Funding Consideration
25,650	3,914	\$16,008,820	\$9,649,122	\$9,194,491

# **Save Our Indian River Lagoon Funding Application Short Form Big Muddy Baffle Box Expansion**

## **Contact Information**

Entity Name: City of Indian Harbour Beach

## **Project Details**

Project name: Big Muddy at Cynthia Baffle Box Expansion

Segment of the Indian River Lagoon Where This Project Located: Banana River

Which Type of Stormwater Best Management Practices: 2nd Gen. Baffle Box, StormCeptor, CDS Unit, or Similar

If Other Innovative Best Management Practices, Please Provide a Description: 2nd generation baffle box plus Bold & Gold ® media filter

Brief Project Description: Nutrient Separating Baffle Box with media filter; currently proposed to be NSBB-8-14+UFF (with Bold & Gold media) Expansion of treated area to 63.8 acres from 32 of previously approved project.

Location: Major untreated outfall into Big Muddy, which leads directly into the Grand Canal and subsequently the Banana River. The project location was altered to the southern outfall of Bid Muddy, which treats about 63.8 acres (instead of the previously approved 32 acres). Future Best Management Practices will be planned for the northern outfall location at a later date.

Provide Information on Education and Outreach Associated with Project: Educational section in the local paper, Harbour Highlights, about the the health of the Lagoon and Banana River, the City's role in restoring the Lagoon, and this specific project; sign onsite educating the importance of the project in reducing nutrients to the impaired Banana River; presentation during a City Council meeting

## **Estimated Water Quality Benefits**

Total Nitrogen Reduction (pounds/year): 167

Total Phosphorus Reduction (pounds/year): 10

## **Costs**

Total Cost: \$283,975

Estimated Cost per Pound Total Nitrogen Removed: \$1,704

Estimated Cost per Pound Total Phosphorus Removed: \$27,978

Eligible Tax Funding Cost Share: \$25,837

## **Project Funding**

Is Local Project Match in Adopted Budget: Yes in FY 2018-2019

Source(s) of Local Cost Share: City's Stormwater Utility

Dollar Amount of Local Cost Share: As described in project funding

Source(s) of Requested Grant(s): FDEP TMDL or 319 Grant

Dollar Amount of Requested Grant(s): \$179,488

### **Project Funding Application Checklist**

Project Year(s): 2-3

Project Type: Stormwater Traditional Best Management Practices

Is this application complete? Yes

Did they provide supporting documentation for nutrient load reduction calculations, if applicable? No

Are the calculations reasonable? Yes

Is a local match budgeted? Yes

Is there a secure grant match? No

Is the project more cost effective than projects in the plan? Yes

Is this a new applicant? No

For returning applicants, were the projects completed successfully? Yes

For returning applicants, were projects completed on time? Yes

Is there an educational component? Yes

If Yes, what is the designated amount for education/outreach? \$1000

List other Indian River Lagoon Benefits: The 2nd Generation Nutrient Separating Baffle Box (NSBB) is highly effective in capturing Total Nitrogen and Phosphorus, Total Suspended Solids (TSS), organics, trash, oils and grease. Independent testing has shown the NSBB™ is capable of capturing up to 95% of trash, 90% of Total Suspended Solids, 19% of nitrogen and 15.5% of phosphorus.

# **Save Our Indian River Lagoon Funding Application Short Form Basin 1304 Bioreactor**

## **Contact Information**

Entity Name: Brevard County Stormwater Management Dept.

## **Project Details**

Project name: Baseflow Basin #1304 Denitrification Bioreactor

Segment of the Indian River Lagoon Where This Project Located: Banana River

Area Where This Project is Located: Barrier Island

Which Type of Stormwater Best Management Practices: Denitrification Bioreactor Media (Wall, Bed, Chambers)

If Other Innovative Best Management Practices, Please Provide a Description: Upflow filter from existing wet detention pond with BAM and solar pump (Bold & Gold ECT3)

If This Project is a Retrofit of an Existing Best Management Practices, What Type: Retrofit of an existing stormwater pond on Wickham Rd.

Brief Project Description: Installation of an upflow filter concrete box with a solar pump to treat baseflow at an existing wet detention pond.

Location: Lat: 28.205142; Long: -80.604152

Provide Information on Education and Outreach Associated with Project: N/A

## **Estimated Water Quality Benefits**

Total Nitrogen Reduction (pounds/year): 958

Total Phosphorus Reduction (pounds/year): 127

## **Costs**

Total Cost: \$125,000

Estimated Cost per Pound Total Nitrogen Removed: \$130

Estimated Cost per Pound Total Phosphorus Removed: \$984

Eligible Tax Funding Cost Share: \$148,490

## **Project Funding**

Is Local Project Match in Adopted Budget: Yes

Source(s) of Local Cost Share: Stormwater Utility

Dollar Amount of Local Cost Share: \$23,490

Source(s) of Secured Grant(s): FDEP - LP Funding

Dollar Amount of Secured Grant(s): \$35,000

## **Project Funding Application Checklist**

Project Year(s): 2

Project Type: Stormwater Traditional Best Management Practices

Is this application complete? Yes

Did they provide supporting documentation for nutrient load reduction calculations, if applicable? Yes

Are the calculations reasonable? Yes

Is a local match budgeted? Yes

Is there a secure grant match? Yes

Is the project more cost effective than projects in the plan? Yes

Is this a new applicant? No

For returning applicants, were the projects completed successfully? N/A

For returning applicants, were projects completed on time? N/A

Is there an educational component? No; however, while no education funds were requested with this project, ongoing stormwater education programs are conducted by this entity.

List other Indian River Lagoon Benefits: Depending on the composition of the actual media installed for the projects (Bold & Gold or approved equal is specified) we could have the following pollutant reduction benefits in addition to Total Nitrogen & Total Phosphorus: Total Suspended Solids, Lead, Copper, Cadmium, Nickel, Zinc, Iron, Chromium, Fluorine, Volatile Organic Compounds, Hydrocarbons (anthracene, pyrene, dichlorobenzene, naphthalene, fluoranthene, butylbenzylphthalate, benzopyrene).

# Save Our Indian River Lagoon Funding Application Short Form M-1 Canal BAM

## Contact Information

Entity Name: Brevard County Natural Resources Management Department - Stormwater Utility

## Project Details

Project name: Basin 1470 M1 Canal Denitrification Improvements

Segment of the Indian River Lagoon Where This Project Located: Central Indian River Lagoon

Which Type of Stormwater Best Management Practices: Denitrification Bioreactor Media (Wall, Bed, Chambers)

Brief Project Description: Ditch Bottom Retrofit with BAM

Location: 28.085438°, -80.672906°

Provide Information on Education and Outreach Associated with Project: None

## Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 1,433

Total Phosphorus Reduction (pounds/year): 191

## Costs

Total Cost: \$101,300

Estimated Cost per Pound Total Nitrogen Removed: \$71

Estimated Cost per Pound Total Phosphorus Removed: \$530

Eligible Tax Funding Cost Share: \$134,702

## Project Funding

Is Local Project Match in Adopted Budget: Yes

Source(s) of Local Cost Share: D5 Stormwater Utility Fee Assessments

Dollar Amount of Local Cost Share: \$0

Source(s) of Secured Grant(s): Legislative funding

Dollar Amount of Secured Grant(s): \$35000

## Project Funding Application Checklist

Project Year(s): 2

Project Type: Stormwater Traditional Best Management Practices

Is this application complete? Yes

Did they provide supporting documentation for nutrient load reduction calculations, if applicable? Yes

Are the calculations reasonable? Yes

Is a local match budgeted? Yes

Is there a secure grant match? Yes



Is the project more cost effective than projects in the plan? Yes

Is this a new applicant? No

For returning applicants, were the projects completed successfully? N/A

For returning applicants, were projects completed on time? N/A

Is there an educational component? No; however, while no education funds were requested with this project, ongoing stormwater education programs are conducted by this entity.

List other Indian River Lagoon Benefits: Depending on the composition of the actual media installed for the projects (Bold & Gold or approved equal is specified) we could have the following pollutant reduction benefits in addition to Total Nitrogen & Total Phosphorus: Total Suspended Solids, Lead, Copper, Cadmium, Nickel, Zinc, Iron, Chromium, Fluorine, Volatile Organic Compounds, Hydrocarbons (anthracene, pyrene, dichlorobenzene, naphthalene, fluoranthene, butylbenzylphthalate, benzopyrene).

# Save Our Indian River Lagoon Funding Application Short Form Flemming Grant BAM

## Contact Information

Entity Name: Brevard County Natural Resources Management Department - Stormwater Utility

## Project Details

Project name: Basin 2134 Fleming Grant Rd. Ditch Treatment

Segment of the Indian River Lagoon Where This Project Located: Central Indian River Lagoon

Which Type of Stormwater Best Management Practices: Denitrification Bioreactor Media (Wall, Bed, Chambers)

Brief Project Description: Ditch Bottom Retrofit with BAM

Location: 27.857729°, -80.523356°

Provide Information on Education and Outreach Associated with Project: None

## Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 602

Total Phosphorus Reduction (pounds/year): 91

## Costs

Total Cost: \$51,800

Estimated Cost per Pound Total Nitrogen Removed: \$86

Estimated Cost per Pound Total Phosphorus Removed: \$569

Eligible Tax Funding Cost Share: \$56,588

## Project Funding

Is Local Project Match in Adopted Budget: Yes

Source(s) of Local Cost Share: D3 Stormwater Utility Fee Assessments

Dollar Amount of Local Cost Share: TBD up to \$80000

Source(s) of Secured Grant(s): Legislative funding

Dollar Amount of Secured Grant(s): \$35000

## Project Funding Application Checklist

Project Year(s): 2

Project Type: Stormwater Traditional Best Management Practices

Is this application complete? Yes

Did they provide supporting documentation for nutrient load reduction calculations, if applicable? Yes

Are the calculations reasonable? Yes

Is a local match budgeted? Yes

Is there a secure grant match? Yes

Is the project more cost effective than projects in the plan? Yes

Is this a new applicant? No

For returning applicants, were the projects completed successfully? N/A

For returning applicants, were projects completed on time? N/A

Is there an educational component? No; however, while no education funds were requested with this project, ongoing stormwater education programs are conducted by this entity.

List other Indian River Lagoon Benefits: Depending on the composition of the actual media installed for the projects (Bold & Gold or approved equal is specified) we could have the following pollutant reduction benefits in addition to Total Nitrogen & Total Phosphorus: Total Suspended Solids, Lead, Copper, Cadmium, Nickel, Zinc, Iron, Chromium, Fluorine, Volatile Organic Compounds, Hydrocarbons (anthracene, pyrene, dichlorobenzene, naphthalene, fluoranthene, butylbenzylphthalate, benzopyrene).

# **Save Our Indian River Lagoon Funding Application Short Form Espanola Baffle Box**

## **Contact Information**

Entity Name: City of Melbourne

## **Project Details**

Project name: Espanola Baffle Box

Segment of the Indian River Lagoon Where This Project Located: Central Indian River Lagoon

Which Type of Stormwater Best Management Practices: 2nd Gen. Baffle Box, StormCeptor, CDS Unit, or Similar

Brief Project Description: Installation of new 2nd Generation with BAM

Location: -80.631558 28.081321

Provide Information on Education and Outreach Associated with Project: No

## **Estimated Water Quality Benefits**

Total Nitrogen Reduction (pounds/year): 1,119

Total Phosphorus Reduction (pounds/year): 148

## **Costs**

Total Cost: \$550,000

Estimated Cost per Pound Total Nitrogen Removed: \$492

Estimated Cost per Pound Total Phosphorus Removed: \$3,716

Eligible Tax Funding Cost Share: \$105,186

## **Project Funding**

Is Local Project Match in Adopted Budget: No

Source(s) of Local Cost Share: Stormwater Utility

Dollar Amount of Local Cost Share: \$444,814

## **Project Funding Application Checklist**

Project Year(s): 2-3

Project Type: Stormwater Traditional Best Management Practices

Is this application complete? Yes

Did they provide supporting documentation for nutrient load reduction calculations, if applicable? Yes

Are the calculations reasonable? Yes

Is a local match budgeted? No

Is there a secure grant match? No

Is the project more cost effective than projects in the plan? Yes

Is this a new applicant? No

For returning applicants, were the projects completed successfully? N/A

For returning applicants, were projects completed on time? N/A

Is there an educational component? No; however, while no education funds were requested with this project, ongoing stormwater education programs are conducted by this entity.

List other Indian River Lagoon Benefits: The 2nd Generation Nutrient Separating Baffle Box (NSBB) is highly effective in capturing Total Nitrogen and Phosphorus, Total Suspended Solids (TSS), organics, trash, oils and grease. Independent testing has shown the NSBB™ is capable of capturing up to 95% of trash, 90% of Total Suspended Solids, 19% of nitrogen and 15.5% of phosphorus.

## **Save Our Indian River Lagoon Funding Application Short Form Basin 1298 Bioreactor**

### **Contact Information**

Entity Name: Brevard County Stormwater Management Dept.

### **Project Details**

Project name: Baseflow Basin #1298 Denitrification Bioreactor

Segment of the Indian River Lagoon Where This Project Located: North Indian River Lagoon

Which Type of Stormwater Best Management Practices: Denitrification Bioreactor Media (Wall, Bed, Chambers)

If Other Innovative Best Management Practices, Please Provide a Description: Upflow filter from existing wet detention pond with BAM and solar pump (Bold & Gold ECT3)

If This Project is a Retrofit of an Existing Best Management Practices, What Type: Retrofit of an existing stormwater pond on Wickham Rd.

Brief Project Description: Installation of an upflow filter concrete box with a solar pump to treat baseflow at an existing wet detention pond.

Location: Lat: 28.208278; Long: -80.67260

Provide Information on Education and Outreach Associated with Project: N/A

### **Estimated Water Quality Benefits**

Total Nitrogen Reduction (pounds/year): 917

Total Phosphorus Reduction (pounds/year): 116

### **Costs**

Total Cost: \$125,000

Estimated Cost per Pound Total Nitrogen Removed: \$136

Estimated Cost per Pound Total Phosphorus Removed: \$1,078

Eligible Tax Funding Cost Share: \$86,198

### **Project Funding**

Is Local Project Match in Adopted Budget: Yes

Source(s) of Local Cost Share: Stormwater Utility

Dollar Amount of Local Cost Share: \$38,802

Source(s) of Secured Grant(s): FDEP - LP Funding

Dollar Amount of Secured Grant(s): \$35,000

### **Project Funding Application Checklist**

Project Year(s): 2

Project Type: Stormwater Traditional Best Management Practices

Is this application complete? Yes

Did they provide supporting documentation for nutrient load reduction calculations, if applicable? Yes

Are the calculations reasonable? Yes

Is a local match budgeted? Yes

Is there a secure grant match? Yes

Is the project more cost effective than projects in the plan? Yes

Is this a new applicant? No

For returning applicants, were the projects completed successfully? N/A

For returning applicants, were projects completed on time? N/A

Is there an educational component? No; however, while no education funds were requested with this project, ongoing stormwater education programs are conducted by this entity.

List other Indian River Lagoon Benefits: Depending on the composition of the actual media installed for the projects (Bold & Gold or approved equal is specified) we could have the following pollutant reduction benefits in addition to Total Nitrogen & Total Phosphorus: Total Suspended Solids, Lead, Copper, Cadmium, Nickel, Zinc, Iron, Chromium, Fluorine, Volatile Organic Compounds, Hydrocarbons (anthracene, pyrene, dichlorobenzene, naphthalene, fluoranthene, butylbenzylphthalate, benzopyrene).

# **Save Our Indian River Lagoon Funding Application Short Form Johns Road Pond BAM**

## **Contact Information**

Entity Name: Brevard County Natural Resources Management Department - Stormwater Utility

## **Project Details**

Project name: Basin 51 Johns Rd. Pond Bank Treatment

Segment of the Indian River Lagoon Where This Project Located: North Indian River Lagoon

Which Type of Stormwater Best Management Practices: Denitrification Bioreactor Media (Wall, Bed, Chambers)

Brief Project Description: Wet Detention Pond Bank Retrofit with BAM

Location: 28.758037°, -80.851248°

Provide Information on Education and Outreach Associated with Project: None

## **Estimated Water Quality Benefits**

Total Nitrogen Reduction (pounds/year): 245

Total Phosphorus Reduction (pounds/year): 37

## **Costs**

Total Cost: \$116,905

Estimated Cost per Pound Total Nitrogen Removed: \$477

Estimated Cost per Pound Total Phosphorus Removed: \$3,160

Eligible Tax Funding Cost Share: \$23,030

## **Project Funding**

Is Local Project Match in Adopted Budget: Yes

Source(s) of Local Cost Share: D1 Stormwater Utility Fee Assessments

Dollar Amount of Local Cost Share: \$58,875

Source(s) of Secured Grant(s): legislative Funding

Dollar Amount of Secured Grant(s): \$35000

## **Project Funding Application Checklist**

Project Year(s): 2

Project Type: Stormwater Traditional Best Management Practices

Is this application complete? Yes

Did they provide supporting documentation for nutrient load reduction calculations, if applicable? Yes

Are the calculations reasonable? Yes

Is a local match budgeted? Yes



Is there a secure grant match? Yes

Is the project more cost effective than projects in the plan? Yes

Is this a new applicant? No

For returning applicants, were the projects completed successfully? N/A

For returning applicants, were projects completed on time? N/A

Is there an educational component? No; however, while no education funds were requested with this project, ongoing stormwater education programs are conducted by this entity.

List other Indian River Lagoon Benefits: Depending on the composition of the actual media installed for the projects (Bold & Gold or approved equal is specified) we could have the following pollutant reduction benefits in addition to Total Nitrogen & Total Phosphorus: Total Suspended Solids, Lead, Copper, Cadmium, Nickel, Zinc, Iron, Chromium, Fluorine, Volatile Organic Compounds, Hydrocarbons (anthracene, pyrene, dichlorobenzene, naphthalene, fluoranthene, butylbenzylphthalate, benzopyrene).

# **Save Our Indian River Lagoon Funding Application Short Form Burkholm Rd BAM**

## **Contact Information**

Entity Name: Brevard County Natural Resources Management Department - Stormwater Utility

## **Project Details**

Project name: Basin 100 Burkholm Rd Ditch Treatment

Segment of the Indian River Lagoon Where This Project Located: North Indian River Lagoon

Which Type of Stormwater Best Management Practices: Denitrification Bioreactor Media (Wall, Bed, Chambers)

Brief Project Description: Ditch Bottom Retrofit with BAM

Location: 28.723269°, -80.843520°

Provide Information on Education and Outreach Associated with Project: None

## **Estimated Water Quality Benefits**

Total Nitrogen Reduction (pounds/year): 685

Total Phosphorus Reduction (pounds/year): 104

## **Costs**

Total Cost: \$117,735

Estimated Cost per Pound Total Nitrogen Removed: \$172

Estimated Cost per Pound Total Phosphorus Removed: \$1,132

Eligible Tax Funding Cost Share: \$64,390

## **Project Funding**

Provide Funding Amounts by Fiscal Year: 2018-19

Is Local Project Match in Adopted Budget: Yes

Source(s) of Local Cost Share: D1 Stormwater Utility Fee Assessments

Dollar Amount of Local Cost Share: \$18,345

Source(s) of Secured Grant(s): Legislative funding

Dollar Amount of Secured Grant(s): \$35000

## **Project Funding Application Checklist**

Project Year(s): 2

Project Type: Stormwater Traditional Best Management Practices

Is this application complete? Yes

Did they provide supporting documentation for nutrient load reduction calculations, if applicable? Yes

Are the calculations reasonable? Yes

Is a local match budgeted? Yes

Is there a secure grant match? Yes

Is the project more cost effective than projects in the plan? Yes

Is this a new applicant? No

For returning applicants, were the projects completed successfully? N/A

For returning applicants, were projects completed on time? N/A

Is there an educational component? No; however, while no education funds were requested with this project, ongoing stormwater education programs are conducted by this entity.

List other Indian River Lagoon Benefits: Depending on the composition of the actual media installed for the projects (Bold & Gold or approved equal is specified) we could have the following pollutant reduction benefits in addition to Total Nitrogen & Total Phosphorus: Total Suspended Solids, Lead, Copper, Cadmium, Nickel, Zinc, Iron, Chromium, Fluorine, Volatile Organic Compounds, Hydrocarbons (anthracene, pyrene, dichlorobenzene, naphthalene, fluoranthene, butylbenzylphthalate, benzopyrene).

# Save Our Indian River Lagoon Funding Application Short Form Carter Rd BAM

## Contact Information

Entity Name: Brevard County Natural Resources Management Department - Stormwater Utility

## Project Details

Project name: Basin 115 Carter Rd. Ditch Treatment

Segment of the Indian River Lagoon Where This Project Located: North Indian River Lagoon

Which Type of Stormwater Best Management Practices: Denitrification Bioreactor Media (Wall, Bed, Chambers)

Brief Project Description: Ditch Bottom Retrofit with BAM

Location: 28.710430°, -80.841528°

Provide Information on Education and Outreach Associated with Project: None

## Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 665

Total Phosphorus Reduction (pounds/year): 101

## Costs

Total Cost: \$120,100

Estimated Cost per Pound Total Nitrogen Removed: \$181

Estimated Cost per Pound Total Phosphorus Removed: \$1,189

Eligible Tax Funding Cost Share: \$62,510

## Project Funding

Is Local Project Match in Adopted Budget: Yes

Source(s) of Local Cost Share: D1 Stormwater Utility Fee Assessments

Dollar Amount of Local Cost Share: \$22,590

Source(s) of Secured Grant(s): Legislative funding

Dollar Amount of Secured Grant(s): \$35,000

## Project Funding Application Checklist

Project Year(s): 2

Project Type: Stormwater Traditional Best Management Practices

Is this application complete? Yes

Did they provide supporting documentation for nutrient load reduction calculations, if applicable? Yes

Are the calculations reasonable? Yes

Is a local match budgeted? Yes

Is there a secure grant match? Yes

Is the project more cost effective than projects in the plan? Yes

Is this a new applicant? No

For returning applicants, were the projects completed successfully? N/A

For returning applicants, were projects completed on time? N/A

Is there an educational component? No; however, while no education funds were requested with this project, ongoing stormwater education programs are conducted by this entity.

List other Indian River Lagoon Benefits: Depending on the composition of the actual media installed for the projects (Bold & Gold or approved equal is specified) we could have the following pollutant reduction benefits in addition to Total Nitrogen & Total Phosphorus: Total Suspended Solids, Lead, Copper, Cadmium, Nickel, Zinc, Iron, Chromium, Fluorine, Volatile Organic Compounds, Hydrocarbons (anthracene, pyrene, dichlorobenzene, naphthalene, fluoranthene, butylbenzylphthalate, benzopyrene).

# Save Our Indian River Lagoon Funding Application Short Form Wiley Rd BAM

## Contact Information

Entity Name: Brevard County Natural Resources Management Department - Stormwater Utility

## Project Details

Project name: Basin 193 Wiley Rd. Ditch Treatment

Segment of the Indian River Lagoon Where This Project Located: North Indian River Lagoon

Which Type of Stormwater Best Management Practices: Denitrification Bioreactor Media (Wall, Bed, Chambers)

Brief Project Description: Ditch Bottom Retrofit with BAM

Location: 28.674074°, -80.830133°

Provide Information on Education and Outreach Associated with Project: None

## Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 954

Total Phosphorus Reduction (pounds/year): 144

## Costs

Total Cost: \$117,735

Estimated Cost per Pound Total Nitrogen Removed: \$123

Estimated Cost per Pound Total Phosphorus Removed: \$818

Eligible Tax Funding Cost Share: \$89,676

## Project Funding

Is Local Project Match in Adopted Budget: Yes

Source(s) of Local Cost Share: D1 Stormwater Utility Fee Assessments

Dollar Amount of Local Cost Share: \$0

Source(s) of Secured Grant(s): Legislative funding

Dollar Amount of Secured Grant(s): \$35000

## Project Funding Application Checklist

Project Year(s): 2

Project Type: Stormwater Traditional Best Management Practices

Is this application complete? Yes

Did they provide supporting documentation for nutrient load reduction calculations, if applicable? Yes

Are the calculations reasonable? Yes

Is a local match budgeted? Yes

Is there a secure grant match? Yes

Is the project more cost effective than projects in the plan? Yes

Is this a new applicant? No

For returning applicants, were the projects completed successfully? N/A

For returning applicants, were projects completed on time? N/A

Is there an educational component? No; however, while no education funds were requested with this project, ongoing stormwater education programs are conducted by this entity.

List other Indian River Lagoon Benefits: Depending on the composition of the actual media installed for the projects (Bold & Gold or approved equal is specified) we could have the following pollutant reduction benefits in addition to Total Nitrogen & Total Phosphorus: Total Suspended Solids, Lead, Copper, Cadmium, Nickel, Zinc, Iron, Chromium, Fluorine, Volatile Organic Compounds, Hydrocarbons (anthracene, pyrene, dichlorobenzene, naphthalene, fluoranthene, butylbenzylphthalate, benzopyrene).

# **Save Our Indian River Lagoon Funding Application Short Form Broadway Pond BAM**

## **Contact Information**

Entity Name: Brevard County Natural Resources Management Department - Stormwater Utility

## **Project Details**

Project name: Basin 832 Broadway Pond Bank Treatment

Segment of the Indian River Lagoon Where This Project Located: North Indian River Lagoon

Which Type of Stormwater Best Management Practices: Denitrification Bioreactor Media (Wall, Bed, Chambers)

Brief Project Description: Wet Detention Pond Bank Retrofit with BAM

Location: 28.459215°, -80.763579°

Provide Information on Education and Outreach Associated with Project: None

## **Estimated Water Quality Benefits**

Total Nitrogen Reduction (pounds/year): 456

Total Phosphorus Reduction (pounds/year): 69

## **Costs**

Total Cost: \$178,900

Estimated Cost per Pound Total Nitrogen Removed: \$392

Estimated Cost per Pound Total Phosphorus Removed: \$2,593

Eligible Tax Funding Cost Share: \$42,864

## **Project Funding**

Is Local Project Match in Adopted Budget: Yes

Source(s) of Local Cost Share: D1 Stormwater Utility Fee Assessments

Dollar Amount of Local Cost Share: \$101,036

Source(s) of Secured Grant(s): Legislative funding

Dollar Amount of Secured Grant(s): \$35000

## **Project Funding Application Checklist**

Project Year(s): 2

Project Type: Stormwater Traditional Best Management Practices

Is this application complete? Yes

Did they provide supporting documentation for nutrient load reduction calculations, if applicable? Yes

Are the calculations reasonable? Yes

Is a local match budgeted? Yes



Is there a secure grant match? Yes

Is the project more cost effective than projects in the plan? Yes

Is this a new applicant? No

For returning applicants, were the projects completed successfully? N/A

For returning applicants, were projects completed on time? N/A

Is there an educational component? No; however, while no education funds were requested with this project, ongoing stormwater education programs are conducted by this entity.

List other Indian River Lagoon Benefits: Depending on the composition of the actual media installed for the projects (Bold & Gold or approved equal is specified) we could have the following pollutant reduction benefits in addition to Total Nitrogen & Total Phosphorus: Total Suspended Solids, Lead, Copper, Cadmium, Nickel, Zinc, Iron, Chromium, Fluorine, Volatile Organic Compounds, Hydrocarbons (anthracene, pyrene, dichlorobenzene, naphthalene, fluoranthene, butylbenzylphthalate, benzopyrene).

# **Save Our Indian River Lagoon Funding Application Short Form Cherry St Baffle Box**

## **Contact Information**

Entity Name: City of Melbourne

## **Project Details**

Project name: Cherry Street Baffle Box

Segment of the Indian River Lagoon Where This Project Located: North Indian River Lagoon

Which Type of Stormwater Best Management Practices: 2nd Gen. Baffle Box, StormCeptor, CDS Unit, or Similar

Brief Project Description: Installation of new 2nd Generation with BAM

Location: -80.613607, 28.099817

Provide Information on Education and Outreach Associated with Project: No

## **Estimated Water Quality Benefits**

Total Nitrogen Reduction (pounds/year): 980

Total Phosphorus Reduction (pounds/year): 174

## **Costs**

Total Cost: \$550,000

Estimated Cost per Pound Total Nitrogen Removed: \$561

Estimated Cost per Pound Total Phosphorus Removed: \$3,161

Eligible Tax Funding Cost Share: \$92,120

## **Project Funding**

Is Local Project Match in Adopted Budget: No

Source(s) of Local Cost Share: Stormwater Utility

Dollar Amount of Local Cost Share: \$457,880

## **Project Funding Application Checklist**

Project Year(s): 2-3

Project Type: Stormwater Traditional Best Management Practices

Is this application complete? Yes

Did they provide supporting documentation for nutrient load reduction calculations, if applicable? Yes

Are the calculations reasonable? Yes

Is a local match budgeted? No

Is there a secure grant match? No

Is the project more cost effective than projects in the plan? Yes

Is this a new applicant? No

For returning applicants, were the projects completed successfully? N/A

For returning applicants, were projects completed on time? N/A

Is there an educational component? No; however, while no education funds were requested with this project, ongoing stormwater education programs are conducted by this entity.

List other Indian River Lagoon Benefits: The 2nd Generation Nutrient Separating Baffle Box (NSBB) is highly effective in capturing Total Nitrogen and Phosphorus, Total Suspended Solids (TSS), organics, trash, oils and grease. Independent testing has shown the NSBB™ is capable of capturing up to 95% of trash, 90% of Total Suspended Solids, 19% of nitrogen and 15.5% of phosphorus.

## **Save Our Indian River Lagoon Funding Application Short Form Spring Creek Baffle Box**

### **Contact Information**

Entity Name: City of Melbourne

### **Project Details**

Project name: Spring Creek Baffle Box

Segment of the Indian River Lagoon Where This Project Located: North Indian River Lagoon

Which Type of Stormwater Best Management Practices: 2nd Gen. Baffle Box, StormCeptor, CDS Unit, or Similar

Brief Project Description: Installation of new 2nd Generation with BAM

Location: -80.635378, 28.128953

Provide Information on Education and Outreach Associated with Project: No

### **Estimated Water Quality Benefits**

Total Nitrogen Reduction (pounds/year): 1,057

Total Phosphorus Reduction (pounds/year): 232

### **Costs**

Total Cost: \$450,000

Estimated Cost per Pound Total Nitrogen Removed: \$426

Estimated Cost per Pound Total Phosphorus Removed: \$1,940

Eligible Tax Funding Cost Share: \$99,358

### **Project Funding**

Is Local Project Match in Adopted Budget: No

Source(s) of Local Cost Share: Stormwater Utility

Dollar Amount of Local Cost Share: \$350,642

### **Project Funding Application Checklist**

Project Year(s): 2-3

Project Type: Stormwater Traditional Best Management Practices

Is this application complete? Yes

Did they provide supporting documentation for nutrient load reduction calculations, if applicable? Yes

Are the calculations reasonable? Yes

Is a local match budgeted? No

Is there a secure grant match? No

Is the project more cost effective than projects in the plan? Yes

Is this a new applicant? No

For returning applicants, were the projects completed successfully? N/A

For returning applicants, were projects completed on time? N/A

Is there an educational component? No; however, while no education funds were requested with this project, ongoing stormwater education programs are conducted by this entity.

List other Indian River Lagoon Benefits: The 2nd Generation Nutrient Separating Baffle Box (NSBB) is highly effective in capturing Total Nitrogen and Phosphorus, Total Suspended Solids (TSS), organics, trash, oils and grease. Independent testing has shown the NSBB™ is capable of capturing up to 95% of trash, 90% of Total Suspended Solids, 19% of nitrogen and 15.5% of phosphorus.

# Save Our Indian River Lagoon Funding Application Short Form THS Baffle Box

## Contact Information

Entity Name: City of Titusville

## Project Details

Project name: THS Baffle Box

Segment of the Indian River Lagoon Where This Project Located: North Indian River Lagoon

Which Type of Stormwater Best Management Practices: 2nd Gen. Baffle Box, StormCeptor, CDS Unit, or Similar

If Other Innovative Best Management Practices, Please Provide a Description: Plus Bold & Gold

Brief Project Description: Installation of 2nd generation baffle box with Bold & Gold media filter

Location: 28°35'33"N; 80°48'12"W

Provide Information on Education and Outreach Associated with Project: Information on the project will be included in the annual stormwater newsletter and on the City's website.

## Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 1,190

Total Phosphorus Reduction (pounds/year): 166

## Costs

Total Cost: \$453,100

Estimated Cost per Pound Total Nitrogen Removed: \$381

Estimated Cost per Pound Total Phosphorus Removed: \$2,730

Eligible Tax Funding Cost Share: \$111,813

## Project Funding

Is Local Project Match in Adopted Budget: Yes

Source(s) of Local Cost Share: Stormwater Utility

Dollar Amount of Local Cost Share: \$341,287

## Project Funding Application Checklist

Project Year(s): 2

Project Type: Stormwater Traditional Best Management Practices

Is this application complete? Yes

Did they provide supporting documentation for nutrient load reduction calculations, if applicable? Yes

Are the calculations reasonable? Yes

Is a local match budgeted? Yes

Is there a secure grant match? No

Is the project more cost effective than projects in the plan? Yes

Is this a new applicant? No

For returning applicants, were the projects completed successfully? N/A

For returning applicants, were projects completed on time? N/A

Is there an educational component? Yes

If Yes, what is the designated amount for education/outreach? \$0 from project cost

List other Indian River Lagoon Benefits: The 2nd Generation Nutrient Separating Baffle Box (NSBB) is highly effective in capturing Total Nitrogen and Phosphorus, Total Suspended Solids (TSS), organics, trash, oils and grease. Independent testing has shown the NSBB™ is capable of capturing up to 95% of trash, 90% of Total Suspended Solids, 19% of nitrogen and 15.5% of phosphorus.

# **Save Our Indian River Lagoon Funding Application Short Form Coleman Pond MAPS**

## **Contact Information**

Entity Name: City of Titusville

## **Project Details**

Project name: Coleman Pond MAPS

Segment of the Indian River Lagoon Where This Project Located: North Indian River Lagoon

Which Type of Stormwater Best Management Practices: Managed Aquatic Plant System

Brief Project Description: Installation of floating islands within a 1 acre City owned pond located within the Chain of Lakes basin.

Location: 28\*37'49"N; 80\*49'35"W

Provide Information on Education and Outreach Associated with Project: Information on the project will be included in the annual stormwater newsletter and on the City's website.

## **Estimated Water Quality Benefits**

Total Nitrogen Reduction (pounds/year): 1,240

Total Phosphorus Reduction (pounds/year): 198

## **Costs**

Total Cost: \$35,000

Estimated Cost per Pound Total Nitrogen Removed: \$28

Estimated Cost per Pound Total Phosphorus Removed: \$177

Eligible Tax Funding Cost Share: \$116,560

## **Project Funding**

Is Local Project Match in Adopted Budget: Yes

Source(s) of Local Cost Share: Stormwater Utility

Dollar Amount of Local Cost Share: \$15,000/year in maintenance

## **Project Funding Application Checklist**

Project Year(s): 2

Project Type: Stormwater Traditional Best Management Practices

Is this application complete? Yes

Did they provide supporting documentation for nutrient load reduction calculations, if applicable? Yes

Are the calculations reasonable? Yes

Is a local match budgeted? Yes

Is there a secure grant match? No



Is the project more cost effective than projects in the plan? Yes

Is this a new applicant? No

For returning applicants, were the projects completed successfully? N/A

For returning applicants, were projects completed on time? N/A

Is there an educational component? Yes

If Yes, what is the designated amount for education/outreach? \$0 from project cost

List other Indian River Lagoon Benefits: none given

# **Save Our Indian River Lagoon Funding Application Short Form Cocoa Beach Water Reclamation Facility Upgrade**

## **Contact Information**

Entity Name: City of Cocoa Beach

## **Project Details**

Project Name: Water Reclamation Facility Upgrades & Improvements

Segment of the Indian River Lagoon Where This Project Located: Banana River

Brief Project Description: Various improvements that include emergency power, automatic post-anoxic bypass and 6.0 MGD filter upgrades. Please see Attachment #4 for additional information.

Location: 1600 Minutemen Causeway, Cocoa Beach, FL

Provide Information on Education and Outreach Associated with Project: N/A

## **Estimated Water Quality Benefits**

Total Nitrogen Reduction (pounds/year): 3,603

Total Phosphorus Reduction (pounds/year): 1,201

## **Costs**

Total Cost: \$5,425,320

Estimated Cost per Pound Total Nitrogen Removed: \$113

Estimated Cost per Pound Total Phosphorus Removed: \$340

Eligible Tax Funding Cost Share: \$1,080,900

## **Project Funding**

Is Local Project Match in Adopted Budget: Yes

Source(s) of Local Cost Share: SJRWMD Cost-Share Grant

Dollar Amount of Local Cost Share: \$1,500,000

Source(s) of Secured Grant(s): State Revolving Fund (SRF) Loan

Dollar Amount of Secured Grant(s): \$3,925,300

Source(s) of Requested Grant(s): Save Our Indian River Lagoon Grant

Dollar Amount of Requested Grant(s): \$1,080,900

## **Project Funding Application Checklist**

Project Year(s): 2-3

Project Type: Waste Water Treatment Plant Upgrade

Is this application complete? Yes

Did they provide supporting documentation for nutrient load reduction calculations, if applicable? Yes

Are the calculations reasonable? Yes

Is a local match budgeted? No

Is there a secure grant match? No

Is the project more cost effective than projects in the plan? Yes

Is this a new applicant? No

For returning applicants, were the projects completed successfully? N/A

For returning applicants, were projects completed on time? N/A

Is there an educational component? No

List other Indian River Lagoon Benefits: Reduction of potential storm related sewage discharges

# **Save Our Indian River Lagoon Funding Application Short Form Osprey Basin Lateral Repair Project**

## **Contact Information**

Entity Name: City of Titusville

## **Project Details**

Project Name: Osprey Basin Lateral Repair Project

Segment of the Indian River Lagoon Where This Project Located: North Indian River Lagoon

Brief Project Description: Smoke testing of gravity system and private sewer lateral repairs

Location: North Titusville

Provide Information on Education and Outreach Associated with Project: Extensive outreach campaign for smoke testing and the repairs to occur on private property

## **Estimated Water Quality Benefits**

Number of Homes Smoke Tested and Repaired: 4,000

Total Nitrogen Reduction (pounds/year): 640

Total Phosphorus Reduction (pounds/year): N/A

## **Costs**

Total Cost: \$200,000

Estimated Cost per Pound Total Nitrogen Removed: \$313

Estimated Cost per Pound Total Phosphorus Removed: N/A

Eligible Tax Funding Cost Share: \$288,000

## **Project Funding**

Is Local Project Match in Adopted Budget: No

## **Project Funding Application Checklist**

Project Year(s): 2

Project Type: Sewer Lateral

Is this application complete? Yes

Did they provide supporting documentation for nutrient load reduction calculations, if applicable? N/A

Are the calculations reasonable? N/A

Is a local match budgeted? No

Is there a secure grant match? No

Is the project more cost effective than projects in the plan? N/A

Is this a new applicant? No

For returning applicants, were the projects completed successfully? N/A

For returning applicants, were projects completed on time? N/A

Is there an educational component? Yes

If Yes, what is the designated amount for education/outreach? \$5000

List other Indian River Lagoon Benefits: Decreased Infiltration & Inflow, potentially reducing future storm related discharges.

# **Save Our Indian River Lagoon Funding Application Short Form Cocoa Beach Muck Dredging Phase II-B**

## **Contact Information**

Entity Name: City of Cocoa Beach

## **Project Details**

Project Name: Cocoa Beach Muck Dredging Phase II-b

Segment of the Indian River Lagoon Where This Project Located: Banana River

Brief Project Description: Muck Dredge 12 Residential Canal

Location: 28.341132, -80.611980

Provide Information on Education and Outreach Associated with Project: City will be reaching out to Cocoa Beach H.S. and Middle School to develop a student education program.

## **Estimated Water Quality Benefits**

Acres of Muck Removed: 60

Total Nitrogen Reduction (pounds/year): 6,300

Total Phosphorus Reduction (pounds/year): 840

## **Costs**

Total Cost: \$5,917,650

Estimated Cost per Pound Total Nitrogen Removed: \$939

Estimated Cost per Pound Total Phosphorus Removed: \$7,045

Eligible Tax Funding Cost Share: \$6,029,100

## **Project Funding**

Provide Funding Amounts by Fiscal Year: \$2,958,825

Is Local Project Match in Adopted Budget: No

Source(s) of Local Cost Share: Reserves

Dollar Amount of Local Cost Share: \$30,000

Source(s) of Requested Grant(s): Save Our Indian River LagoonPP

Dollar Amount of Requested Grant(s): \$5,917,650

## **Project Funding Application Checklist**

Project Year(s): 2-4

Project Type: Muck Removal

Is this application complete? Yes

Did they provide supporting documentation for nutrient load reduction calculations, if applicable? Yes

Are the calculations reasonable? Yes

Is a local match budgeted? No

Is there a secure grant match? No

Is the project more cost effective than projects in the plan? Yes

Is this a new applicant? No

For returning applicants, were the projects completed successfully? N/A

For returning applicants, were projects completed on time? N/A

Is there an educational component? Yes

If Yes, what is the designated amount for education/outreach? \$5000

List other Indian River Lagoon Benefits: none given

# **Save Our Indian River Lagoon Funding Application Short Form Brevard Zoo Banana River Plant Project**

## **Contact Information**

Entity Name: Brevard Zoo

## **Project Details**

Project Name: Brevard Zoo Plant Project, Banana River

Segment of the Indian River Lagoon Where This Project Located: Banana River

Brief Project Description: Brevard Zoo intends to plant 195 feet of qualifying shoreline vegetation within the Tortoise Island HOA.

Location: Tortoise Island HOA-777 Loggerhead Island Dr. Satellite Beach, FL 32937

Provide Information on Education and Outreach Associated with Project: Brevard Zoo regularly engages the community in restoration efforts and education. We attend community events, hold presentations in schools, host volunteer opportunities and bring people into the Zoo to learn about the state of the lagoon and current conservation efforts, including native plantings. We are not asking for any additional funding to continue this effort.

## **Estimated Water Quality Benefits**

Linear Feet of Planted Shoreline: 195

Total Nitrogen Reduction (pounds/year): 13

Total Phosphorus Reduction (pounds/year): 4

## **Costs**

Total Cost: \$3,120

Estimated Cost per Pound Total Nitrogen Removed: \$240

Estimated Cost per Pound Total Phosphorus Removed: \$780

Eligible Tax Funding Cost Share: \$3,120

## **Project Funding**

Is Local Project Match in Adopted Budget: no

## **Project Funding Application Checklist**

Project Year(s): 2

Project Type: Living Shoreline

Is this application complete? Yes

Did they provide supporting documentation for nutrient load reduction calculations, if applicable? N/A

Are the calculations reasonable? N/A

Is a local match budgeted? No



Is there a secure grant match? No

Is the project more cost effective than projects in the plan? N/A

Is this a new applicant? No

For returning applicants, were the projects completed successfully? Yes

For returning applicants, were projects completed on time? Yes

Is there an educational component? Yes

If Yes, what is the designated amount for education/outreach? \$0 from project cost

List other Indian River Lagoon Benefits: Shoreline stabilization via wave attenuation as well as habitat creation for dozens of species living in and around the lagoon.

# **Save Our Indian River Lagoon Funding Application Short Form Brevard Zoo North Indian River Lagoon Plant Project**

## **Contact Information**

Entity Name: Brevard Zoo

## **Project Details**

Project Name: Brevard Zoo Plant Project, North Indian River Lagoon

Segment of the Indian River Lagoon Where This Project Located: North Indian River Lagoon

Brief Project Description: Brevard Zoo intends to plant 50 feet of qualifying shoreline vegetation at St. Mark's School.

Location: 4 Church St. Cocoa, FL 32922

Provide Information on Education and Outreach Associated with Project: Brevard Zoo regularly engages the community in restoration efforts and education. We attend community events, hold presentations in schools, host volunteer opportunities and bring people into the Zoo to learn about the state of the lagoon and current conservation efforts, including native plantings. We are not asking for any additional funding to continue this effort.

## **Estimated Water Quality Benefits**

Linear Feet of Planted Shoreline: 50

Total Nitrogen Reduction (pounds/year): 3

Total Phosphorus Reduction (pounds/year): 1

## **Costs**

Total Cost: \$720

Estimated Cost per Pound Total Nitrogen Removed: \$240

Estimated Cost per Pound Total Phosphorus Removed: \$720

Eligible Tax Funding Cost Share: \$720

## **Project Funding**

Is Local Project Match in Adopted Budget: no

## **Project Funding Application Checklist**

Project Year(s): 2

Project Type: Living Shoreline

Is this application complete? Yes

Did they provide supporting documentation for nutrient load reduction calculations, if applicable? N/A

Are the calculations reasonable? N/A

Is a local match budgeted? No

Is there a secure grant match? No

Is the project more cost effective than projects in the plan? N/A

Is this a new applicant? No

For returning applicants, were the projects completed successfully? Yes

For returning applicants, were projects completed on time? Yes

Is there an educational component? Yes

If Yes, what is the designated amount for education/outreach? \$0 from project cost

List other Indian River Lagoon Benefits: Shoreline stabilization via wave attenuation as well as habitat creation for dozens of species living in and around the lagoon.

# **Save Our Indian River Lagoon Funding Application Short Form Brevard Zoo Banana River Oyster Project**

## **Contact Information**

Entity Name: Brevard Zoo

## **Project Details**

Project Name: Brevard Zoo Oyster Project, Banana River

Segment of the Indian River Lagoon Where This Project Located: Banana River

Brief Project Description: Brevard Zoo intends to construct 36,894 square feet of oyster projects in the Banana River. We have reached out to property owners in the locations we intend to put these projects and have their support to move forward. The design will be site specific and will be approved by the County before construction begins. We will consult with the County to determine whether or not live oysters need to be added to each specific location.

Provide Information on Education and Outreach Associated with Project: Brevard Zoo regularly engages the community in restoration efforts and education. We attend community events, hold presentations in schools, host volunteer opportunities and bring people into the Zoo to learn about the state of the lagoon and current conservation efforts, including oyster projects. We are not asking for any additional funding to continue this effort.

## **Estimated Water Quality Benefits**

Square Feet of Oyster Reef: 36,894

Total Nitrogen Reduction (pounds/year): 1,476

Total Phosphorus Reduction (pounds/year): 37

## **Costs**

Total Cost: \$583,020

Estimated Cost per Pound Total Nitrogen Removed: \$395

Estimated Cost per Pound Total Phosphorus Removed: \$15,757

Eligible Tax Funding Cost Share: \$583,020

## **Project Funding**

Is Local Project Match in Adopted Budget: No

## **Project Funding Application Checklist**

Project Year(s): 2-4

Project Type: Living Shoreline

Is this application complete? Yes

Did they provide supporting documentation for nutrient load reduction calculations, if applicable? N/A

Are the calculations reasonable? N/A

Is a local match budgeted? No

Is there a secure grant match? No

Is the project more cost effective than projects in the plan? Yes

Is this a new applicant? No

For returning applicants, were the projects completed successfully? Yes

For returning applicants, were projects completed on time? Yes

Is there an educational component? Yes

If Yes, what is the designated amount for education/outreach? \$0 from project cost

List other Indian River Lagoon Benefits: Shoreline stabilization via wave attenuation as well as habitat creation for dozens of species living in and around the lagoon.

# **Save Our Indian River Lagoon Funding Application Short Form Brevard Zoo Central Indian River Lagoon Oyster Project**

## **Contact Information**

Entity Name: Brevard Zoo

## **Project Details**

Project Name: Brevard Zoo Oyster Project, Central Indian River Lagoon

Segment of the Indian River Lagoon Where This Project Located: Central Indian River Lagoon

Brief Project Description: Brevard Zoo intends to construct 10,200 square feet of oyster projects in the Central Indian River Lagoon. We have reached out to property owners in the locations we intend to put these projects and have their support to move forward. The design will be site specific and will be approved by the County before construction begins. We will consult with the County to determine whether or not live oysters need to be added to each specific location.

Provide Information on Education and Outreach Associated with Project: Brevard Zoo regularly engages the community in restoration efforts and education. We attend community events, hold presentations in schools, host volunteer opportunities and bring people into the Zoo to learn about the state of the lagoon and current conservation efforts, including oyster projects. We are not asking for any additional funding to continue this effort.

## **Estimated Water Quality Benefits**

Square Feet of Oyster Reef: 10,200

Total Nitrogen Reduction (pounds/year): 408

Total Phosphorus Reduction (pounds/year): 10

## **Costs**

Total Cost: \$161,160

Estimated Cost per Pound Total Nitrogen Removed: \$395

Estimated Cost per Pound Total Phosphorus Removed: \$16,116

Eligible Tax Funding Cost Share: \$161,160

## **Project Funding**

Is Local Project Match in Adopted Budget: No

## **Project Funding Application Checklist**

Project Year(s): 2-4

Project Type: Living Shoreline

Is this application complete? Yes

Did they provide supporting documentation for nutrient load reduction calculations, if applicable? N/A

Are the calculations reasonable? N/A

Is a local match budgeted? No

Is there a secure grant match? No

Is the project more cost effective than projects in the plan? Yes

Is this a new applicant? No

For returning applicants, were the projects completed successfully? Yes

For returning applicants, were projects completed on time? Yes

Is there an educational component? Yes

If Yes, what is the designated amount for education/outreach? \$0 from project cost

List other Indian River Lagoon Benefits: Shoreline stabilization via wave attenuation as well as habitat creation for dozens of species living in and around the lagoon.

# **Save Our Indian River Lagoon Funding Application Short Form Brevard Zoo North Indian River Lagoon Oyster Project**

## **Contact Information**

Entity Name: Brevard Zoo

## **Project Details**

Project Name: Brevard Zoo Oyster Project, North Indian River Lagoon

Segment of the Indian River Lagoon Where This Project Located: North Indian River Lagoon

Brief Project Description: Brevard Zoo intends to construct 21,600 square feet of oyster projects in the North Indian River Lagoon. We have reached out to property owners in the locations we intend to put these projects and have their support to move forward. The design will be site specific and will be approved by the County before construction begins. We will consult with the County to determine whether or not live oysters need to be added to each specific location.

Provide Information on Education and Outreach Associated with Project: Brevard Zoo regularly engages the community in restoration efforts and education. We attend community events, hold presentations in schools, host volunteer opportunities and bring people into the Zoo to learn about the state of the lagoon and current conservation efforts, including oyster projects. We are not asking for any additional funding to continue this effort.

## **Estimated Water Quality Benefits**

Square Feet of Oyster Reef: 21,600

Total Nitrogen Reduction (pounds/year): 864

Total Phosphorus Reduction (pounds/year): 22

## **Costs**

Total Cost: \$341,280

Estimated Cost per Pound Total Nitrogen Removed: \$395

Estimated Cost per Pound Total Phosphorus Removed: \$15,513

Eligible Tax Funding Cost Share: \$341,280

## **Project Funding**

Is Local Project Match in Adopted Budget: No

## **Project Funding Application Checklist**

Project Year(s): 2-4

Project Type: Living Shoreline

Is this application complete? Yes

Did they provide supporting documentation for nutrient load reduction calculations, if applicable? N/A

Are the calculations reasonable? N/A



Is a local match budgeted? No

Is there a secure grant match? No

Is the project more cost effective than projects in the plan? Yes

Is this a new applicant? No

For returning applicants, were the projects completed successfully? Yes

For returning applicants, were projects completed on time? Yes

Is there an educational component? Yes

If Yes, what is the designated amount for education/outreach? \$0 from project cost

List other Indian River Lagoon Benefits: Shoreline stabilization via wave attenuation as well as habitat creation for dozens of species living in and around the lagoon.