

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

November 19, 2021 – 8:30 to 11:30 am
Brevard County Government Center
2725 Judge Fran Jamieson Way
Building C, 3rd Floor, Florida Room
Viera, Florida 32940

- I. Call to Order
- II. Roll Call
- III. Approval of the Agenda
- IV. Approval of Minutes
- V. Progress and Fiscal Reports
 - a. Monthly Progress Report – Virginia Barker, Director
 - b. Monthly Revenue Graph – Crystal Melton, Fiscal Analyst
 - c. Quarterly Financial Statement– Crystal Melton, Fiscal Analyst
 - d. Quarterly Save Our Indian River Lagoon Project Performance Table Update – Terri Breeden, Associate Environmental Specialist
- VI. Other Reports and Special Presentations
 - a. Project Video – Cocoa Beach Convair Cove Low Impact Development
 - b. Latest Revenue Projection Update - Virginia Barker
 - c. Project Funding and Substitution Options –Virginia Barker and Terri Breeden
 - d. 2022 Project Funding Requests - Terri Breeden
- VII. Old Business
- VIII. New Business
 - a. Project Funding Recommendations for the 2022 Plan Update
 - b. 2022 Meeting Calendar
- IX. General Public Comments
- X. Final Comments by Chair and Committee Members
- XI. Adjournment

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

October 15, 2021 – 8:30 a.m.
2725 Judge Fran Jamieson Way,
County Commission Chambers and On-Line via Zoom Conference
Viera, FL 32940

Members Present:

Expertise	Member	Present	Alternate	Present
Science	Lorraine Koss	Yes	Charles Venuto	Yes
Technology	Vinnie Taranto - Chair	Yes	David Sherrer	Yes
Education	Stephany Eley – Vice Chair	Yes	Kimberly Newton	Yes
Finance	Courtney Barker	Yes	Todd Swingle	Yes
Tourism	David Lane	Yes	Laurilee Thompson	Yes
Real Estate	Susan Hodgers	Yes	Dennis Basile	No
Lagoon Advocacy	John Windsor	Yes	Terry Casto	No

Staff Present:

Virginia Barker, Brevard County Natural Resources Management Director
Alex Esseesse, Assistant County Attorney
Brandon Smith, Environmental Specialist
Matt Badolato, Associate Environmental Specialist
Terri Breeden, Associate Environmental Specialist
Jenny Hansen, Associate Environmental Specialist
Courtney Maier, Engineer I
Walker Dawson, Engineer III
Anthony Gubler, Environmental Specialist
Crystal Melton, Department Finance Manager

I. Call to Order

II. Roll Call

III. Approval of the Agenda

Lorraine Koss moved to approve the Agenda as written; seconded by Stephany Eley. The motion was unanimously approved.

Stephany Eley moved that the Committee accept the votes on issues considered at the meeting of any members not in the room, attending via zoom; seconded by John Windsor. Motion was unanimously approved.

IV. Approval of Minutes (August and September)

John Windsor moved to approve the meeting minutes of the August 2021 and September 2021 as written; seconded by Stephany Eley. Discussion ensued.

Save Our Indian River Lagoon Citizen Oversight Committee Meeting
MINUTES – October 15, 2021

It was noted that Laurilee Thompson was erroneously listed as present on the September meeting minutes.

John Windsor moved to approve the meeting minutes of the August 2021 as written; seconded by Stephany Eley. Motion was unanimously approved.

John Windsor moved to approve the meeting minutes of September 2021 with edits to reflect that Laurilee Thompson was not present; seconded by Stephany Eley. Motion was unanimously approved.

V. Progress and Fiscal Reports

a. Monthly Progress Report – Virginia Barker, Director

The Monthly Progress Report was given by Virginia Barker.

Discussion ensued. The Committee's questions were answered by Virginia Barker and Walker Dawson.

b. Monthly Revenue Graph – Crystal Melton, Department Finance Manager

Crystal Melton reported on the Monthly Revenue Graph.

VI. Other Reports and Special Presentations

a. Junior Achievement Lagoon STEM Pilot Program – Anne Conroy-Baiter, President, Junior Achievement of the Space Coast

Ms. Conroy-Baiter gave a power point presentation entitled: Junior Achievement Lagoon STEM Pilot Program Topics included: 1) Background information on Junior Achievement of the Space Coast; 2) Peak Performance Award; 3) Program for Financial Literacy; 3) 2021 Balda Family Foundation Innovation Challenge; 4) Workforce Development – STEM Program; and, 5) Junior Achievement Business Hall of Fame.

Discussion ensued. The Committee's questions were answered by Ms. Conroy-Baiter.

b. Cocoa Beach Golf Muck Dredging/Capping Study – Jim Langenbach, Senior Principal, Geosyntec Consultants

Mr. Langenbach gave a power point presentation entitled: Cocoa Beach Golf Muck Dredging/Capping Study. Topics included: 1) Overview of Cocoa Beach Golf Muck Dredging/Capping Project area/background; 2) Summary of Field investigation Findings; 3) Summary of Alternatives Evaluated to Address Muck; and 4) Path Forward.

Discussion ensued. The Committee's questions were answered by Mr. Langenbach and Wayne Carragino, City of Cocoa Beach, and Virginia Barker.

c. Geochemical Nutrient Cycling in the IRL: Historical Perspectives, Ocean Inflow and the Future – Dr. Austin Fox, Assistant Professor, Florida Institute of Technology

Dr. Fox gave a power point presentation entitled: Geochemical Nutrient Cycling in the IRL: Historical Perspectives, Ocean Inflow and the Future. Topics included: 1) Opening and closing of inlets (flood shoals); 2) Wetlands converted to uplands and mosquito impoundments; 3) Increased freshwater inputs; 4) Few sub-basins; 5) Fundamental changes to circulation; 6) Technology (Capping and Dredging); 7) Inlet versus ocean inflow; 8) Lab and Field Sampling; and 9) What we have learned.

Discussion ensued. The Committee's questions were answered by Dr. Fox.

d. Tracking Changes, Improving Outcomes and Measuring Success: A Story of Oxygen in the Lagoon – Dr. Austin Fox, Assistant Professor, Florida Institute of Technology

Dr. Fox gave a power point presentation entitled: Tracking Changes, Improving Outcomes and Measuring Success: A Story of Oxygen in the Lagoon. Topics included: 1) Data from networks of sensors in the Lagoon; 2) Existing networks; 3) Data from Cocoa Beach Dredging Project; 4) Oyster Restoration, Seagrasses, etc.; 5) Understanding the natural system to promote successful restoration and education; and 6) Education Outreach opportunities.

John Windsor moved to extend the meeting for 15 minutes; seconded by Lorraine Koss. Motion was unanimously approved.

Discussion ensued. The Committee's questions were answered by Dr. Fox.

John Windsor moved to extend the meeting for 5 minutes; seconded by Lorraine Koss. Motion was unanimously approved.

VII. Old Business

VIII. New Business

IX. General Public Comments

Public Comments were heard.

X. Final Comments by Chair and Committee Members

Final Comments were heard.

XI. Adjournment



Save Our Indian River Lagoon Project Plan November 2021 Progress Report

WORK COMPLETED THIS MONTH:

- 9 Sewer Quick Connect reimbursements processed for a total of 34 completed to date
- 4 Septic Upgrades reimbursements processed for a total of 46 completed to date
- Satellite Beach Jackson Court Stormwater Treatment Facility project completed
- Basin 2258 – Easements Acquired
- Brevard Zoo constructed 3,756 square feet of oyster bars in the North Indian River Lagoon
- Living Shoreline Performance - University of Central Florida monitored the Wexford and Maritime Hammock E.E.L.s oyster bars; oysters have grown at Wexford and there was a 16.9% increase in oysters counted at Maritime Hammock since monitoring in April.
- Derelict Vessels – 4 removed
- Amendments – time extension amendments executed for Titusville Osprey Water Reclamation Facility Upgrade and Palm Bay North Area Water Reclamation Facility Upgrade
- Video Complete – Convair Cove Low Impact Development

WORK UNDERWAY THIS MONTH:

- Brevard County Smoke Testing – Contractor on standby; software consultant adding code enforcement software
- South Central C Septic-to-Sewer –Contract executed
- Micco Septic-to-Sewer –Bid package due to procurement on 11/18
- Sykes Creek T Septic-to-Sewer – Environmental Site Assessment for approved property acquisition
- Sykes Creek M Septic-to-Sewer – surveying parcel for acquisition
- Sykes Creek N Septic-to-Sewer – 75% design in review by Utility Services Department
- South Beaches P Septic-to-Sewer –Preliminary design to be complete in approximately 90 days
- Sunset Road/Serenity Park/Basin 26 and Johns Rd/Basin 62 – Construction delays for acquiring material
- Angel Avenue/Basin 1066 – design work underway
- Kingsmill Phase II – New consultant chosen, Task Order circulating for signatures
- Basin 998 – Design task order negotiations underway
- Grand Canal Muck Dredging – Approximately 148,000 cubic yards of muck dredged through October
- Sykes Creek Phase I Muck Dredging – Selection committee met and recommended contract award
- Eau Gallie Northeast Muck Dredging – Awaiting permit modification for dredge pipeline to cross the Intercoastal Waterway; bid documents under review
- Shellfish Aquaculture Grant Program - Three applications processed – 3 million clam seed to be planted
- Contracts -Cocoa Beach McNabb Oysters and Plants out for signatures
- Amendments – time extension to a St. Johns River Water Management District cost share grant for Oak Point Package Plant Connection to Sewer is circulating for signatures
- Videos Underway - Grand Canal Muck Dredging and Interstitial Water Treatment filming contracted
- Grants – State Innovative Technology full submittals submitted October 15th
- Kick-off meeting scheduled for the grant-funded Remote Algae Bloom Sensing study
- Close Out old Fiscal Year and set up Purchase Orders for new Fiscal Year



PRESENTATIONS THIS MONTH:

November 3 - American Public Works Association – Anthony
November 4 – Good Morning Space Coast Breakfast, Melbourne Chamber of Commerce - Virginia
November 13 – Sherwood Stormwater Park 50th Project Ribbon Cutting - Virginia
November 13 – Indian River Lagoon Day - Brandon

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

December 7 – Marine Resources Lunch & Learn on North Atlantic Right Whale Update
December 7 – Ocean Research & Conservation Association – [Intro to One Health Fish Monitoring & Processing](#)
December 16 – Ocean Research & Conservation Association – [Laboratory Techniques II \(Particle Analysis\)](#)
February 17 & 18 – Indian River Lagoon Symposium

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

November 20 – [Brevard Zoo Restore Our Shores Supply Making](#)
November 23, December 7 and December 16 – Ocean Research & Conservation Association Fish Processing & Extractions - [Email Hannah Atsma for information](#)
December 11 – [Brevard Zoo Restore Our Shores Supply Making](#)
Brevard Zoo Restore Our Shores [Clam Restoration Project seeking volunteers](#)
Rotary Park rain garden maintenance – [Email Carlos Cuevas for opportunities](#)
Storm drain marking in Cocoa – [Email Carlos Cuevas for opportunities](#)
Storm drain marking in Melbourne – [Email Nicole Broquet for opportunities](#)

WEBSITE AND SOCIAL MEDIA LINKS:

[Lagoon Loyal Outreach and Engagement Landing Page](#)
[Save Our Indian River Lagoon Website](#)
[Save Our Indian River Lagoon Facebook](#)
[Save Our Indian River Lagoon Instagram](#)
[Save Our Indian River Lagoon YouTube](#)

FUTURE TOPICS FOR SPECIAL PRESENTATIONS:

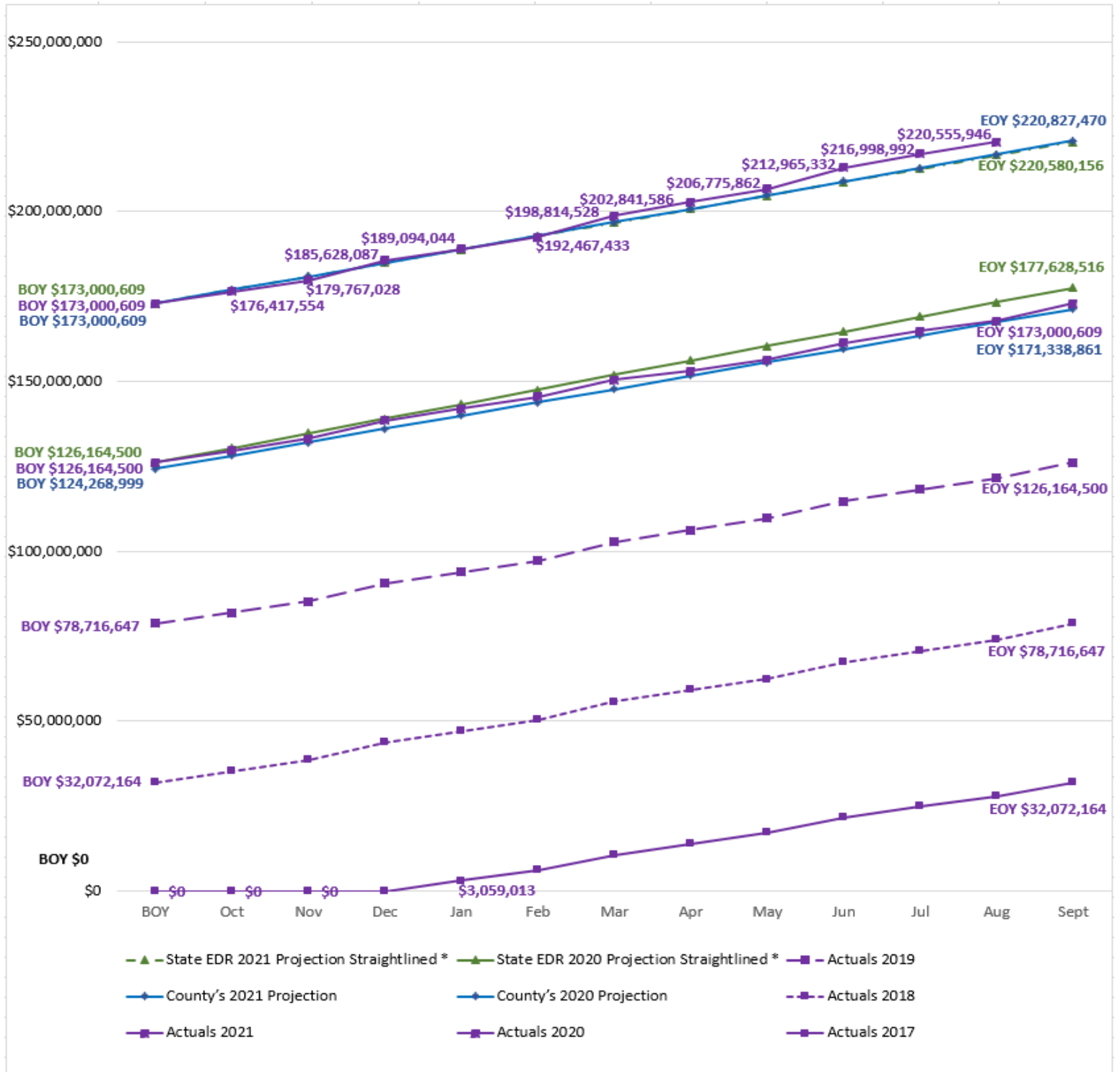
1. Pollution and Algal Bloom Mapping via Satellite Imagery Interpretation
2. Low Impact Development/Resilience – Local examples, efforts and potential opportunities
3. Surface Water Remediation – Phosphorus Free, S.W.I.G., D.T.G., Chemical Tech, HABITATS
4. Lagoon projects managed and funded by other agencies, entities or grant programs
5. Indian River Lagoon Research News: TechCon, Shore, and Harbor Branch Symposium Highlights
6. Water Technology Conference/Industry Day – Economic Development and National Estuary Program
7. Completed and Ongoing Lagoon Research – Florida Tech Research Initiative
8. Lagoon Fish and Fisheries Research – Dr. Grant Gilmore
9. Nutrient Loading Impacts of Reclaimed Water
10. Project Performance Measurement Results
11. Microplastics in the Lagoon
12. Herbicide Alternatives

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 Chart Fiscal Year 16-17 to Current Fiscal Year Table
- Updated the State EDR Beginning Of Year to match Actuals End Of Year to the prior Fiscal Years



Save Our Indian River Lagoon Revenues Cumulative Chart 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 Chart Fiscal Year 16-17 to Current Fiscal Year Table

Month	State EDR 2021 Projection Straightlined *	County's 2021 Projection	Actuals 2021	State EDR 2020 Projection Straightlined *	County's 2020 Projection	Actuals 2020
BOY	\$173,000,609	\$173,000,609	\$173,000,609	\$126,164,500	\$124,268,999	\$126,164,500
Oct	\$176,965,571	\$176,986,181	\$176,417,554	\$130,453,168	\$128,191,487	\$129,590,162
Nov	\$180,930,533	\$180,971,752	\$179,767,028	\$134,741,836	\$132,113,976	\$133,089,868
Dec	\$184,895,496	\$184,957,324	\$185,628,087	\$139,030,504	\$136,036,464	\$138,551,296
Jan	\$188,860,458	\$188,942,896	\$189,094,044	\$143,319,172	\$139,958,953	\$142,014,229
Feb	\$192,825,420	\$192,928,467	\$192,467,433	\$147,607,840	\$143,881,441	\$145,518,464
Mar	\$196,790,382	\$196,914,039	\$198,814,528	\$151,896,508	\$147,803,930	\$150,424,958
Apr	\$200,755,345	\$200,899,611	\$202,841,586	\$156,185,176	\$151,726,418	\$153,099,730
May	\$204,720,307	\$204,885,183	\$206,775,862	\$160,473,844	\$155,648,907	\$156,326,096
Jun	\$208,685,269	\$208,870,754	\$212,965,332	\$164,762,512	\$159,571,395	\$161,413,353
Jul	\$212,650,231	\$212,856,326	\$216,998,992	\$169,051,180	\$163,493,884	\$164,827,524
Aug	\$216,615,194	\$216,841,898	\$220,555,946	\$173,339,848	\$167,416,372	\$167,886,836
Sept	\$220,580,156	\$220,827,470		\$177,628,516	\$171,338,861	\$173,000,609

Month	Actuals 2019	Actuals 2018	Actuals 2017
BOY	\$78,716,647	\$32,072,164	zero
Oct	\$81,926,390	\$35,300,032	zero
Nov	\$85,225,970	\$38,647,632	zero
Dec	\$90,640,944	\$43,870,270	zero
Jan	\$93,950,291	\$47,150,412	\$3,059,013
Feb	\$97,296,142	\$50,484,322	\$6,217,230
Mar	\$102,671,360	\$55,782,660	\$10,686,395
Apr	\$106,219,161	\$59,191,675	\$13,941,510
May	\$109,784,828	\$62,444,639	\$17,177,137
Jun	\$114,720,850	\$67,409,450	\$21,754,009
Jul	\$118,207,520	\$70,776,206	\$24,898,729
Aug	\$121,640,336	\$74,021,947	\$27,890,034
Sept	\$126,164,500	\$78,716,647	\$32,072,164

Save Our Indian River Lagoon Financial Tables – Fiscal Year 20/21 Quarter 4

Table 1. Project Financial Table

*Projects Completed; + Project using contingency funds; FY=Fiscal Year; TBD = To Be Determined; WWTF = Waste Water Treatment Facility

Project Number	Project	Responsible Entity	Save Our Lagoon Project Cost	Save Our Lagoon Funds Contracted	FY 2017 Actuals Year 0*	FY 2018 Actuals Year 1*	FY 2019 Actuals Year 2*	FY 2020 Actuals Year 3*	FY 2021 Actuals Year 4	Cumulative Actuals
	Public Education									
58a	Expanded Fertilizer Education	Brevard County	\$625,000	\$312,500	\$0	\$0	\$120,951	\$49,477	\$46,571	\$216,999
58b	Grass Clippings Campaign	Brevard County	\$200,000	\$100,000	\$0	\$0	\$20,000	\$0	\$6,638	\$26,638
58c	Septic System Maintenance Education	Brevard County	\$300,000	\$150,000	\$0	\$0	\$48,380	\$49,245	\$22,709	\$120,334
193	Oyster Gardening*	Brevard Zoo	\$300,000	\$300,000	\$0	\$0	\$0	\$150,000	\$150,000	\$300,000
	Public Education Total		\$1,425,000	\$862,500	\$0	\$0	\$189,332	\$248,722	\$225,917	\$663,970
	WWTF Upgrades for Reclaimed Water									
99	Cocoa Beach Water Reclamation Facility Upgrade*	Cocoa Beach	\$945,000	\$945,000	\$0	\$0	\$0	\$945,000	\$0	\$945,000
59	City of Melbourne Grant Street Water Reclamation Facility	Melbourne	\$6,769,500	\$6,769,500	\$0	\$0	\$0	\$0	\$0	\$0
2016-17	City of Palm Bay Water Reclamation Facility	Palm Bay	\$3,636,900	\$3,636,900	\$0	\$43,573	\$101,679	\$373,976	\$2,581,471	\$3,100,699
2016-2	City of Titusville Osprey WWTF+	Titusville	\$8,300,000	\$8,300,000	\$0	\$90,586	\$333,705	\$528,975	\$2,288,921	\$3,242,188
138	Ray Bullard Water Reclamation Facility Biological Nutrient Removal Upgrades	West Melbourne	\$4,260,000	\$4,260,000	\$0	\$0	\$0	\$0	\$123,592	\$123,592
	WWTF Upgrades for Reclaimed Water Total		\$23,911,400	\$23,911,400	\$0	\$134,159	\$435,384	\$1,847,951	\$4,993,985	\$7,411,479
	Sewer Laterals									
63	Satellite Beach Pilot Project	Brevard County	\$840,000	\$840,000	\$0	\$0	\$0	\$4,228	\$6,204	\$10,432
114	Barefoot Bay Lateral Smoke Testing	Brevard County	\$90,000	\$90,000	\$0	\$0	\$0	\$0	\$0	\$0
115	South Beaches Lateral Smoke Testing	Brevard County	\$200,000	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0
116	Merritt Island Lateral Smoke Testing	Brevard County	\$250,000	\$250,000	\$0	\$0	\$0	\$0	\$0	\$0
100	Osprey Basin Lateral Repair Project	Titusville	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Sewer Laterals Total		\$1,580,000	\$1,380,000	\$0	\$0	\$0	\$4,228	\$6,204	\$10,432
	Rapid Infiltration Basin/Sprayfield Upgrades									
2016-51	Port St John Wastewater Treatment Plant	Brevard County	\$980,100	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Long Point Park Upgrade*	Brevard County	\$22,207	\$22,207	\$22,086	\$120	\$0	\$0	\$0	\$22,207
2016-20	Canebreaker Condo	Property Owner	\$36,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
204	Cape Canaveral Air Force Station Regional WWTF	Air Force	\$5,227,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Rapid Infiltration Basin/Sprayfield Upgrades Total		\$6,265,507	\$22,207	\$22,086	\$120	\$0	\$0	\$0	\$22,207
	Package Plant Connection									
197	South Shores Utility Connection	Property Owner	\$1,301,154	\$0	\$0	\$0	\$0	\$0	\$0	\$0
199	River Grove I & II Mobile Home Park Connection	Property Owner	\$1,004,640	\$0	\$0	\$0	\$0	\$0	\$0	\$0
192	Oak Point Wastewater Treatment Facility Improvements	Property Owner	\$279,000	\$279,000	\$0	\$0	\$0	\$0	\$11,403	\$11,403
	Package Plant Connection Total		\$2,584,794	\$279,000	\$0	\$0	\$0	\$0	\$11,403	\$11,403
	Septic System Removal by Sewer Extension									
2016-27	Sharpes - Zone A	Brevard County	\$6,207,192	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2016-29	South Banana - Zone B	Brevard County	\$1,368,252	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Number	Project	Responsible Entity	Save Our Lagoon Project Cost	Save Our Lagoon Funds Contracted	FY 2017 Actuals Year 0*	FY 2018 Actuals Year 1*	FY 2019 Actuals Year 2*	FY 2020 Actuals Year 3*	FY 2021 Actuals Year 4	Cumulative Actuals
2016-35	South Beaches - Zone A	Brevard County	\$1,234,764	\$18,000	\$0	\$0	\$0	\$18,000	\$0	\$18,000
2016-36	South Beaches - Zone O	Brevard County	\$133,488	\$133,488	\$0	\$0	\$0	\$0	\$16,855	\$16,855
2016-37	South Beaches - Zone P	Brevard County	\$500,580	\$500,580	\$0	\$0	\$0	\$0	\$65,931	\$65,931
2016-50	South Central - Zone C	Brevard County	\$6,600,000	\$6,600,000	\$0	\$47,592	\$142,218	\$13,565	\$109,557	\$312,932
3	Micco Sewer Line Extension (Phase I and II)	Brevard County	\$2,239,500	\$2,239,500	\$22,620	\$128,500	\$20,115	\$30,446	\$39,290	\$240,971
47	Sykes Creek - Zone N	Brevard County	\$2,603,016	\$2,603,016	\$0	\$29,462	\$32,911	\$8,477	\$131,852	\$202,702
48	Sykes Creek - Zone M	Brevard County	\$1,868,832	\$1,868,832	\$0	\$22,400	\$53,600	\$11,200	\$9,586	\$96,786
49	Sykes Creek - Zone T	Brevard County	\$4,939,056	\$4,939,056	\$0	\$26,000	\$97,500	\$16,700	\$4,564	\$144,764
136	Micco - Zone B	Brevard County	\$9,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
145	Merritt Island - Zone F	Brevard County	\$1,100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
146	Merritt Island - Zone C	Brevard County	\$1,580,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
147	Sykes Creek - Zone R	Brevard County	\$3,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
148	North Merritt Island - Zone E	Brevard County	\$3,635,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
150	South Central - Zone D (Brevard County)	Brevard County	\$4,774,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0
151	Merritt Island - Zone G	Brevard County	\$16,617,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
152	Sharpes - Zone B	Brevard County	\$4,038,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
153	Cocoa - Zone C	Brevard County	\$5,248,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0
203	South Central - Zone A	Brevard County	\$3,370,572	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2016-31	City of Cocoa - Zone K	Cocoa	\$1,201,392	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2016-32	City of Cocoa - Zone J	Cocoa	\$3,136,968	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2016-28	South Central - Zone D (Melbourne)	Melbourne	\$265,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2016-33	City of Melbourne	Melbourne	\$867,672	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020-34	South Central - Zone F	Melbourne	\$1,701,972	\$1,701,972	\$0	\$0	\$0	\$0	\$0	\$0
4	Hoag Sewer Conversion	Melbourne	\$86,031	\$86,031	\$0	\$0	\$13,520	\$0	\$12,575	\$26,095
5	Pennwood Sewer Conversion*	Melbourne	\$40,632	\$40,632	\$0	\$0	\$17,074	\$0	\$0	\$17,074
61	Riverside Drive Septic-to-Sewer Conversion	Melbourne	\$265,960	\$262,044	\$0	\$0	\$0	\$0	\$0	\$0
62	Roxy Avenue Septic-to-Sewer Conversion	Melbourne	\$88,944	\$88,944	\$0	\$0	\$0	\$0	\$39,495	\$39,495
189	Avendia del Rio Septic to Sewer	Melbourne	\$70,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
190	Bowers Septic to Sewer	Melbourne	\$147,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
191	Kent and Villa Espana Septic to Sewer Conversion	Melbourne	\$710,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Merritt Island Septic Phase Out Project**	Merritt Island Redevelopment Agency	\$320,000	\$320,000	\$128,875	\$0	\$0	\$134,517	\$56,608	\$320,000
2016-39	City of Palm Bay – Zone A	Palm Bay	\$2,569,644	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2016-46	City of Palm Bay – Zone B	Palm Bay	\$8,309,628	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2016-30	City of Rockledge	Rockledge	\$500,580	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2016-40	Rockledge - Zone B	Rockledge	\$5,339,520	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1	Breeze Swept Septic to Sewer Connection*	Rockledge	\$880,530	\$880,530	\$0	\$880,530	\$0	\$0	\$0	\$880,530
2016-38	City of Titusville - Zone H	Titusville	\$1,168,020	\$0	\$0	\$0	\$0	\$0	\$0	\$0
109	City of Titusville - Zones A-G	Titusville	\$1,201,392	\$943,110	\$0	\$0	\$0	\$0	\$86,860	\$86,860

Project Number	Project	Responsible Entity	Save Our Lagoon Project Cost	Save Our Lagoon Funds Contracted	FY 2017 Actuals Year 0*	FY 2018 Actuals Year 1*	FY 2019 Actuals Year 2*	FY 2020 Actuals Year 3*	FY 2021 Actuals Year 4	Cumulative Actuals
60	Sylvan Estates Septic-to-Sewer Conversion*	West Melbourne	\$1,561,215	\$1,561,215	\$0	\$19,116	\$86,928	\$658,513	\$796,657	\$1,561,215
	Septic System Removal by Sewer Extension Total		\$110,990,852	\$24,786,950	\$151,495	\$1,153,600	\$463,866	\$891,419	\$1,369,831	\$4,030,210
	Septic System Removal by Sewer Connection									
2016-16	Banana Septic System 144 Quick Connections	Property Owners	\$1,908,000	\$21,729	\$0	\$0	\$0	\$0	\$21,729	\$21,729
2016-18	North IRL Septic System 463 Quick Connections	Property Owners	\$6,018,000	\$534,000	\$0	\$0	\$0	\$0	\$534,000	\$534,000
2016-19	Central IRL Septic System 269 Quick Connections	Property Owners	\$3,354,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Septic System Removal by Sewer Connection Total		\$11,280,000	\$555,729	\$0	\$0	\$0	\$0	\$555,729	\$555,729
	Septic System Upgrades									
51	Banana River Lagoon 100 Septic System Upgrades	Private Citizens	\$1,800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
52	North IRL 586 Septic System Upgrades	Private Citizens	\$10,548,000	\$342,000	\$0	\$0	\$0	\$176,100	\$108,000	\$284,100
53	Central IRL 939 Septic System Upgrades	Private Citizens	\$16,900,485	\$720,000	\$0	\$0	\$0	\$34,485	\$452,621	\$487,106
	Septic System Upgrades Total		\$29,248,485	\$1,062,000	\$0	\$0	\$0	\$210,585	\$560,621	\$771,206
	Stormwater Projects									
2016-41	Banana River Lagoon 65 Basin Projects	Brevard County	\$13,832,464	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2016-42	North IRL 96 Basin Projects	Brevard County	\$22,936,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2016-43	Central IRL 8 Basin Projects	Brevard County	\$3,258,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18	Denitrification Retrofit of Johns Road Pond	Brevard County	\$105,512	\$105,512	\$0	\$17,173	\$6,320	\$3,738	\$0	\$27,230
22	Kingsmill-Aurora Phase Two	Brevard County	\$367,488	\$367,488	\$0	\$0	\$0	\$0	\$0	\$0
23	Denitrification Retrofit of Huntington Pond	Brevard County	\$104,720	\$104,720	\$0	\$9,074	\$0	\$0	\$0	\$9,074
24	Denitrification Retrofit of Flounder Creek Pond	Brevard County	\$75,328	\$75,328	\$0	\$19,923	\$0	\$0	\$0	\$19,923
85	Basin 1304 Bioreactor*	Brevard County	\$90,000	\$90,000	\$0	\$0	\$0	\$0	\$83,029	\$83,029
87	Basin 2134 Fleming Grant Biosorption Activated Media*	Brevard County	\$56,588	\$56,588	\$0	\$0	\$0	\$56,588	\$0	\$56,588
89	Basin 1298 Bioreactor*	Brevard County	\$86,198	\$86,198	\$0	\$0	\$0	\$0	\$85,829	\$85,829
90	Basin 51 Johns Road Pond Biosorption Activated Media*	Brevard County	\$23,030	\$23,030	\$0	\$0	\$0	\$0	\$23,030	\$23,030
91	Basin 100 Burkholm Road Biosorption Activated Media*	Brevard County	\$64,390	\$64,390	\$0	\$0	\$0	\$0	\$64,390	\$64,390
92	Basin 115 Carter Road Biosorption Activated Media*	Brevard County	\$62,510	\$62,510	\$0	\$0	\$0	\$62,510	\$0	\$62,510
93	Basin 193 Wiley Avenue Biosorption Activated Media*	Brevard County	\$82,735	\$82,735	\$0	\$0	\$0	\$0	\$82,735	\$82,735
94	Basin 832 Broadway Pond Biosorption Activated Media*	Brevard County	\$42,864	\$42,864	\$0	\$0	\$0	\$42,864	\$0	\$42,864
117	Basin 10 County Line Road Woodchip Bioreactor*	Brevard County	\$72,773	\$72,773	\$0	\$0	\$0	\$72,773	\$0	\$72,773
118	Basin 26 Sunset Road Serenity Park Woodchip Bioreactor	Brevard County	\$73,810	\$73,810	\$0	\$0	\$0	\$0	\$0	\$0
119	Basin 141 Irwin Avenue Woodchip Bioreactor*	Brevard County	\$69,174	\$69,174	\$0	\$0	\$0	\$0	\$69,174	\$69,174
121	Basin 2258 Babcock Road Woodchip Bioreactor	Brevard County	\$50,203	\$50,203	\$0	\$0	\$0	\$0	\$0	\$0
122	Basin 22 Huntington Road Woodchip Bioreactor*	Brevard County	\$40,077	\$40,077	\$0	\$0	\$0	\$0	\$40,077	\$40,077
205	Basin 998 Hampton Homes	Brevard County	\$194,400	\$0	\$0	\$0	\$0	\$0	\$0	\$0
206	Basin 1066 Angel Ave	Brevard County	\$232,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0
207	Basin 1124	Brevard County	\$148,100	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Central Boulevard Baffle Box*	Cape Canaveral	\$34,700	\$34,700	\$0	\$34,700	\$0	\$0	\$0	\$34,700
14	Church Street Type II Baffle Box*	Cocoa	\$88,045	\$88,045	\$0	\$0	\$20,856	\$67,189	\$0	\$88,045
124	Floating Wetlands to Existing Stormwater Ponds*	Cocoa	\$1,497	\$1,497	\$0	\$0	\$0	\$0	\$1,497	\$1,497
125	Diamond Square Stormwater Pond	Cocoa	\$10,383	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Number	Project	Responsible Entity	Save Our Lagoon Project Cost	Save Our Lagoon Funds Contracted	FY 2017 Actuals Year 0*	FY 2018 Actuals Year 1*	FY 2019 Actuals Year 2*	FY 2020 Actuals Year 3*	FY 2021 Actuals Year 4	Cumulative Actuals
129	Forrest Avenue 72-inch Outfall Baseflow Capture/Treatment	Cocoa	\$13,956	\$0	\$0	\$0	\$0	\$0	\$0	\$0
177	North and South Lakemont Ponds Floating Wetlands	Cocoa	\$13,054	\$0	\$0	\$0	\$0	\$0	\$0	\$0
64	Stormwater Low Impact Development Convair Cove 1 – Blakey Boulevard	Cocoa Beach	\$4,650	\$4,650	\$0	\$0	\$0	\$0	\$0	\$0
65	Stormwater Low Impact Development Convair Cove 2 – Dempsey Drive	Cocoa Beach	\$4,495	\$4,495	\$0	\$0	\$0	\$0	\$0	\$0
127	Basin 5 Dry Retention*	Indialantic	\$16,680	\$16,680	\$0	\$0	\$0	\$0	\$16,680	\$16,680
16	Gleason Park Reuse*	Indian Harbour Beach	\$4,224	\$4,224	\$0	\$4,224	\$0	\$0	\$0	\$4,224
66	Big Muddy at Cynthia Baffle Box*	Indian Harbour Beach	\$67,532	\$67,532	\$0	\$0	\$0	\$9,388	\$50,243	\$59,631
34	Cliff Creek Baffle Box*	Melbourne	\$347,781	\$347,781	\$0	\$0	\$0	\$347,781	\$0	\$347,781
35	Thrush Drive Baffle Box*	Melbourne	\$322,200	\$322,200	\$0	\$0	\$0	\$0	\$322,200	\$322,200
67	Grant Place Baffle Box	Melbourne	\$82,481	\$0	\$0	\$0	\$0	\$0	\$0	\$0
69	Apollo/GA Baffle Box	Melbourne	\$297,522	\$0	\$0	\$0	\$0	\$0	\$0	\$0
95	Cherry Street Baffle Box	Melbourne	\$92,120	\$0	\$0	\$0	\$0	\$0	\$0	\$0
96	Spring Creek Baffle Box	Melbourne	\$99,358	\$0	\$0	\$0	\$0	\$0	\$0	\$0
88	Espanola Baffle Box	Melbourne	\$105,186	\$0	\$0	\$0	\$0	\$0	\$0	\$0
169	Sherwood Park Stormwater Quality Project**	Melbourne	\$292,400	\$292,400	\$0	\$0	\$0	\$0	\$292,400	\$292,400
175	High School Baffle Box	Melbourne	\$144,326	\$0	\$0	\$0	\$0	\$0	\$0	\$0
176	Funeral Home Baffle Box	Melbourne	\$58,682	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	Bayfront Stormwater Project*	Palm Bay	\$30,624	\$30,624	\$0	\$30,624	\$0	\$0	\$0	\$30,624
128	Jackson Court Stormwater Treatment Facility	Satellite Beach	\$8,266	\$0	\$0	\$0	\$0	\$0	\$0	\$0
179	Lori Laine Basin Pipe Improvement Project	Satellite Beach	\$17,525	\$0	\$0	\$0	\$0	\$0	\$0	\$0
68	Crane Creek/M-1 Canal Flow Restoration	St. Johns Water Management District	\$2,033,944	\$2,033,944	\$0	\$0	\$65,949	\$34,051	\$0	\$100,000
19	St. Teresa Basin Treatment*	Titusville	\$272,800	\$272,800	\$0	\$0	\$0	\$272,800	\$0	\$272,800
20	South Street Basin Treatment*	Titusville	\$86,856	\$86,856	\$0	\$0	\$0	\$86,856	\$0	\$86,856
21	La Paloma Basin Treatment*	Titusville	\$208,296	\$208,296	\$0	\$0	\$0	\$208,296	\$0	\$208,296
97	Titusville High School Baffle Box	Titusville	\$111,813	\$111,813	\$0	\$0	\$0	\$0	\$0	\$0
98	Coleman Pond Managed Aquatic Plant System*	Titusville	\$11,438	\$35,000	\$0	\$0	\$0	\$11,438	\$0	\$11,438
110	Osprey Plant Pond Managed Aquatic Plant Systems*	Titusville	\$60,000	\$60,000	\$0	\$0	\$0	\$0	\$37,500	\$37,500
120	Draa Field Pond Managed Aquatic Plant Systems*	Titusville	\$31,281	\$31,281	\$0	\$0	\$0	\$0	\$31,281	\$31,281
174	St. Johns 2 Baffle Box	Titusville	\$243,070	\$243,070	\$0	\$0	\$0	\$0	\$0	\$0
178	Marina B Managed Aquatic Plant Systems*	Titusville	\$6,670	\$6,670	\$0	\$0	\$0	\$0	\$6,670	\$6,670
123	Ray Bullard Water Reclamation Facility Stormwater Management Area	West Melbourne	\$160,674	\$160,674	\$0	\$0	\$0	\$0	\$52,368	\$52,368
	Stormwater Projects Total		\$47,453,793	\$5,932,632	\$0	\$115,717	\$93,125	\$1,276,271	\$1,259,102	\$2,744,215
	Vegetation Harvesting									
112	County Wide Stormwater Pond Harvesting*	Brevard County	\$14,000	\$14,000	\$0	\$0	\$0	\$0	\$14,000	\$14,000

Project Number	Project	Responsible Entity	Save Our Lagoon Project Cost	Save Our Lagoon Funds Contracted	FY 2017 Actuals Year 0*	FY 2018 Actuals Year 1*	FY 2019 Actuals Year 2*	FY 2020 Actuals Year 3*	FY 2021 Actuals Year 4	Cumulative Actuals
172	Horseshoe Pond Vegetative Harvesting	Brevard County	\$8,140	\$8,140	\$0	\$0	\$0	\$0	\$0	\$0
173	North and South Lakemont Ponds Vegetation Harvesting	Cocoa	\$1,980	\$0	\$0	\$0	\$0	\$0	\$0	\$0
171	Mechanical Aquatic Vegetation Harvesting	Melbourne Tillman Water Control District	\$1,011,976	\$0	\$0	\$0	\$0	\$0	\$0	\$0
111	Draa Field Vegetation Harvesting	Titusville	\$50,000	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0
	Vegetation Harvesting Total		\$1,086,096	\$72,140	\$0	\$0	\$0	\$0	\$14,000	\$14,000
	Muck Removal & Interstitial Treatment									
2016-3a & b	Muck Re-dredging in Turkey Creek & Interstitial Treatment (pending FEMA reimbursement)*	Brevard County	\$137,329	\$215,000	\$0	\$1,092,823	\$5,807	\$0	\$0	\$1,098,631
2016-04a & b	Rockledge A Muck & Interstitial Treatment	Brevard County	\$5,010,244	\$175,340	\$0	\$0	\$9,949	\$116,417	\$16,965	\$143,331
2016-05a & b	Pineda Banana River Lagoon & Interstitial Treatment	Brevard County	\$7,815,980	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2016-06a & b	Titusville Railroad West	Brevard County	\$3,607,375	\$146,361	\$0	\$0	\$24,209	\$91,146	\$27,752	\$143,107
2016-07a & b	National Aeronautics and Space Administration Causeway East & Interstitial Treatment	Brevard County	\$11,423,355	\$209,255	\$0	\$0	\$41,009	\$137,935	\$3,115	\$182,059
2016-08a & b	Titusville Railroad East & Interstitial Treatment	Brevard County	\$4,609,424	\$318,457	\$0	\$62,449	\$29,410	\$53,221	\$123,419	\$268,499
2016-10a & b	Port Canaveral South & Interstitial Treatment	Brevard County	\$16,834,419	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2016-11a & b	Patrick Air Force Base & Interstitial Treatment	Brevard County	\$8,216,800	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40	Mims Muck Removal Outflow Water Nutrient Removal*	Brevard County	\$400,000	\$400,000	\$0	\$0	\$0	\$0	\$0	\$0
41a & b	Grand Canal Muck & Interstitial Treatment	Brevard County	\$18,020,368	\$18,020,368	\$0	\$0	\$1,060,449	\$793,450	\$1,696,931	\$3,550,830
42a & b	Sykes Creek Muck & Interstitial Treatment	Brevard County	\$15,954,132	\$948,508	\$0	\$0	\$6,900	\$814,428	\$30,780	\$852,108
54a & b	Eau Gallie Northeast Muck & Interstitial Treatment	Brevard County	\$10,020,487	\$117,094	\$0	\$62,449	\$0	\$0	\$54,645	\$117,094
71	Merritt Island Muck Removal – Phase 1	Brevard County	\$7,733,517	\$0	\$0	\$0	\$0	\$0	\$0	\$0
70a	Cocoa Beach Muck Dredging – Phase III*	Cocoa Beach	\$1,376,305	\$1,376,305	\$0	\$359,660	\$708,458	\$308,187	\$0	\$1,376,305
101	Cocoa Beach Muck Dredging Phase II-B	Cocoa Beach	\$5,917,650	\$5,917,650	\$0	\$0	\$339,340	\$2,320,973	\$1,634,477	\$4,294,790
168a & b	Cocoa Beach Golf Muck & Interstitial Treatment	Cocoa Beach	\$24,363,100	\$24,363,100	\$0	\$0	\$0	\$0	\$402,766	\$402,766
72a & b	Muck Removal of Indian Harbour Beach Canals & Interstitial Treatment	Indian Harbour Beach	\$9,115,415	\$9,115,415	\$0	\$0	\$0	\$0	\$0	\$0
144 & 113	Satellite Beach Muck Dredging & Interstitial Treatment	Satellite Beach	\$4,941,981	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Muck Removal & Interstitial Treatment Total		\$155,497,881	\$61,322,853	\$0	\$1,577,382	\$2,225,533	\$4,635,757	\$3,990,850	\$12,429,521
	Oyster Bars									
2016-55	Banana River Lagoon County Oyster Bars	Brevard County	\$3,151,051	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2016-56	North IRL County Oyster Bars	Brevard County	\$2,935,159	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2016-57	Central IRL County Oyster Bars	Brevard County	\$471,137	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Number	Project	Responsible Entity	Save Our Lagoon Project Cost	Save Our Lagoon Funds Contracted	FY 2017 Actuals Year 0*	FY 2018 Actuals Year 1*	FY 2019 Actuals Year 2*	FY 2020 Actuals Year 3*	FY 2021 Actuals Year 4	Cumulative Actuals
73	RiverView Senior Resort Oyster Bar*	Brevard County	\$30,304	\$30,304	\$0	\$30,304	\$0	\$0	\$0	\$30,304
75	Marina Isles Oyster Bar*	Brevard Zoo	\$26,700	\$26,700	\$0	\$0	\$0	\$26,700	\$0	\$26,700
76	Bettinger Oyster Bar*	Brevard Zoo	\$10,680	\$10,680	\$0	\$0	\$10,680	\$0	\$0	\$10,680
79	Gitlin Oyster Bar*	Brevard Zoo	\$16,020	\$16,020	\$0	\$0	\$16,020	\$0	\$0	\$16,020
80	Coconut Point/Environmentally Endangered Lands Oyster Bar*	Brevard Zoo	\$45,120	\$45,120	\$0	\$0	\$0	\$45,120	\$0	\$45,120
81	Wexford Oyster Bar*	Brevard Zoo	\$31,150	\$31,150	\$0	\$0	\$0	\$0	\$31,150	\$31,150
83	Bomalaski Oyster Bar*	Brevard Zoo	\$8,900	\$8,900	\$0	\$8,900	\$0	\$0	\$0	\$8,900
104	Brevard Zoo Banana River Oyster Project	Brevard Zoo	\$583,020	\$583,020	\$0	\$0	\$0	\$0	\$19,424	\$19,424
105	Brevard Zoo Central IRL Oyster Project	Brevard Zoo	\$161,160	\$161,160	\$0	\$0	\$0	\$0	\$20,459	\$20,459
106	Brevard Zoo North IRL Oyster Project	Brevard Zoo	\$341,280	\$341,280	\$0	\$0	\$0	\$164,994	\$4,194	\$169,188
139	Brevard Zoo North IRL Oyster Project 2	Brevard Zoo	\$336,400	\$336,400	\$0	\$0	\$0	\$0	\$45,913	\$45,913
140	Brevard Zoo Central IRL Oyster Project 2	Brevard Zoo	\$270,800	\$270,800	\$0	\$0	\$0	\$34,969	\$15,653	\$50,622
141	Brevard Zoo Banana River Oyster Project 2	Brevard Zoo	\$264,800	\$0	\$0	\$0	\$0	\$0	\$0	\$0
142	Brevard Zoo Oyster Reef Adjustments North IRL	Brevard Zoo	\$27,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0
143	Brevard Zoo Oyster Reef Adjustments Banana River	Brevard Zoo	\$12,800	\$0	\$0	\$0	\$0	\$0	\$0	\$0
184	Brevard Zoo North Indian River Lagoon Oyster Project 3	Brevard Zoo	\$419,232	\$419,232	\$0	\$0	\$0	\$0	\$38,943	\$38,943
185	Brevard Zoo Central Indian River Lagoon Tributary Pilot Oyster Project	Brevard Zoo	\$230,657	\$0	\$0	\$0	\$0	\$0	\$0	\$0
186	Brevard Zoo North Indian River Lagoon Individual Oyster Project	Brevard Zoo	\$173,092	\$0	\$0	\$0	\$0	\$0	\$0	\$0
187	Brevard Zoo Central Indian River Lagoon Oyster Project 3	Brevard Zoo	\$86,546	\$0	\$0	\$0	\$0	\$0	\$0	\$0
188	Brevard Zoo Banana River Oyster Project 3	Brevard Zoo	\$56,771	\$0	\$0	\$0	\$0	\$0	\$0	\$0
78a	McNabb Park Oyster Bar	Cocoa Beach	\$34,056	\$0	\$0	\$0	\$0	\$0	\$0	\$0
82a	Riverview Park Oyster Bar	Melbourne	\$108,790	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Oyster Bars Total		\$9,832,825	\$2,280,766	\$0	\$39,204	\$26,700	\$271,783	\$175,735	\$513,422
	Planted Shorelines									
102	Brevard Zoo Banana River Plant Project WITHDRAW	Brevard Zoo	\$3,120	\$3,120	\$0	\$0	\$0	\$0	\$0	\$0
103	Brevard Zoo North IRL Plant Project*	Brevard Zoo	\$720	\$720	\$0	\$0	\$0	\$720	\$0	\$720
130	Brevard Zoo North IRL Plant Project 2*	Brevard Zoo	\$9,840	\$9,840	\$0	\$0	\$0	\$0	\$9,840	\$9,840
131	Brevard Zoo Central IRL Plant Project WITHDRAW	Brevard Zoo	\$1,920	\$1,920	\$0	\$0	\$0	\$0	\$0	\$0
132	Brevard Zoo Banana River Plant Project 2 WITHDRAW	Brevard Zoo	\$480	\$480	\$0	\$0	\$0	\$0	\$0	\$0
183	Brevard Zoo North Indian River Lagoon Plant Project 3 WITHDRAW	Brevard Zoo	\$960	\$0	\$0	\$0	\$0	\$0	\$0	\$0
78b	McNabb Park Planted Shoreline	Cocoa Beach	\$5,760	\$0	\$0	\$0	\$0	\$0	\$0	\$0
77a	Cocoa Beach Country Club Planted Shoreline**	Marine Resources Council	\$16,014	\$16,014	\$0	\$16,014	\$0	\$0	\$0	\$16,014
77b	Lagoon House Shoreline Restoration Planting**	Marine Resources Council	\$23,961	\$23,961	\$0	\$23,961	\$0	\$0	\$0	\$23,961
133	Fisherman's Landing*	Marine Resources Council	\$4,800	\$4,800	\$0	\$0	\$0	\$4,800	\$0	\$4,800

Project Number	Project	Responsible Entity	Save Our Lagoon Project Cost	Save Our Lagoon Funds Contracted	FY 2017 Actuals Year 0*	FY 2018 Actuals Year 1*	FY 2019 Actuals Year 2*	FY 2020 Actuals Year 3*	FY 2021 Actuals Year 4	Cumulative Actuals
135	Rotary Park*	Marine Resources Council	\$4,800	\$4,800	\$0	\$0	\$0	\$4,800	\$0	\$4,800
180	Scottsmoor Impoundment	Marine Resources Council	\$10,560	\$0	\$0	\$0	\$0	\$0	\$0	\$0
181	Riveredge	Marine Resources Council	\$4,080	\$4,080	\$0	\$0	\$0	\$0	\$0	\$0
182	Newfound Harbor Drive	Marine Resources Council	\$1,680	\$1,680	\$0	\$0	\$0	\$0	\$0	\$0
82b	Riverview Park Planted Shoreline	Melbourne	\$18,480	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Planted Shorelines Total		\$107,175	\$71,415	\$0	\$39,975	\$0	\$10,320	\$9,840	\$60,135
	Clam Restoration									
194	Aquaculture Stimulus Program	Private Citizens	\$60,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Clam Restoration Total		\$60,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Monitoring & Respond Projects									
	Living Shoreline Monitoring	Brevard County		\$ 333,480	\$0	\$15,529	\$66,352	\$86,116	\$113,913	\$281,910
	Groundwater/Water Quality Monitoring	Brevard County		\$ 1,459,729	\$0	\$92,308	\$119,031	\$350,621	\$365,764	\$927,723
	Stormwater Monitoring	Brevard County		\$ 40,756	\$0	\$0	\$256	\$40,500	\$0	\$40,756
	Sewer/Septic Monitoring	Brevard County		\$ 642,015	\$0	\$31,313	\$116,099	\$7,977	\$82,267	\$237,656
	Muck Dredging Monitoring	Brevard County		\$ 417,335	\$0	\$5,204	\$38,997	\$233,562	\$35,690	\$313,453
	Plan Updates	Brevard County		\$130,371	\$17,105	\$20,682	\$23,067	\$16,779	\$18,183	\$95,816
	Monitoring & Respond Projects Total		\$10,000,000	\$3,023,686	\$17,105	\$165,036	\$363,802	\$735,554	\$615,816	\$1,897,314
	Contingency		\$20,258,580							
2016-2	City of Titusville Osprey WWTF ⁺	Titusville		\$800,000	\$0	\$0	\$0	\$0	\$0	\$0
77a	Cocoa Beach Country Club Planted Shoreline**	Marine Resources Council		\$66	\$0	\$66	\$0	\$0	\$0	\$66
77b	Lagoon House Shoreline Restoration Planting**	Marine Resources Council		\$39	\$0	\$39	\$0	\$0	\$0	\$39
169	Sherwood Park Stormwater Quality Project ⁺	Melbourne		\$99,708	\$0	\$0	\$0	\$0	\$52,961	\$52,961
2	Merritt Island Septic Phase Out Project**	Merritt Island Redevelopment Agency		\$268	\$0	\$0	\$0	\$0	\$268	\$268
5	Pennwood Sewer Conversion ⁺	Melbourne		\$40,368	\$0	\$0	\$0	\$0	\$0	\$0
	Contingency Projects Total			\$940,449	\$0	\$105	\$0	\$0	\$53,229	\$53,334
	Inflation		\$57,065,372							
-	Total		\$488,647,760	\$126,152,587	\$190,686	\$3,225,298	\$3,797,742	\$10,132,589	\$13,816,858	\$31,188,576

Save Our Indian River Lagoon Performance Tables – Fiscal Year 20/21 Quarter 4

Table 1. Project Performance Table

*Projects Completed; TBD = To Be Determined; WWTF = Waste Water Treatment Facility

Project Number	Project	Responsible Entity	TN Reductions (lbs/yr)	TP Reductions (lbs/yr)	Scope of Work Received	Contract Review Status	Design	Construction
	Public Education							
58a	Expanded Fertilizer Education	Brevard County	6,613	813	Complete	Complete	100%	47%
58b	Grass Clippings Campaign	Brevard County	17,800	1,200	Complete	Complete	100%	37%
58c	Septic System Maintenance Education	Brevard County	4,466	TBD	Complete	Complete	100%	47%
193	Oyster Gardening	Brevard Zoo	N/A	N/A	Complete	Complete	100%	100%
	Public Education Total		28,879	2,013				
	WWTF Upgrades for Reclaimed Water							
99	Cocoa Beach Water Reclamation Facility Upgrade*	Cocoa Beach	2,520	685	Complete	Complete	100%	100%
59	City of Melbourne Grant Street Water Reclamation Facility	Melbourne	18,052	9,671	Complete	Complete	95%	
2016-17	City of Palm Bay Water Reclamation Facility	Palm Bay	20,240	102	Complete	Complete	100%	85%
2016-2	City of Titusville Osprey WWTF*	Titusville	12,286	TBD	Complete	Complete	100%	8%
138	Ray Bullard Water Reclamation Facility Biological Nutrient Removal Upgrades	West Melbourne	11,360	3,302	Complete	Complete	30%	
	WWTF Upgrades for Reclaimed Water Total		64,458	13,760				
	Sewer Laterals							
63	Satellite Beach Pilot Project (63 repairs completed)	Brevard County	988	188	Complete	Complete	100%	23%
114	Barefoot Bay Lateral Smoke Testing	Brevard County	864	TBD	Complete	Complete	100%	
115	South Beaches Lateral Smoke Testing	Brevard County	1,662	TBD	Complete	Complete	100%	
116	Merritt Island Lateral Smoke Testing	Brevard County	2,042	TBD	Complete	Complete	100%	
100	Osprey Basin Lateral Repair Project	Titusville	640	TBD	Complete	Under Review		
	Sewer Laterals Total		6,196	188				
	Rapid Infiltration Basin/Sprayfield Upgrades							
2016-51	Port St John Wastewater Treatment Plant	Brevard County	4,116	915				
6	Long Point Park Upgrade*	Brevard County	163	TBD	Complete	Complete	100%	100%
2016-20	Canebreaker Condo	Property Owner	61	TBD				
204	Cape Canaveral Air Force Station Regional WWTF	Air Force	4,625	1,226				
	Rapid Infiltration Basin/Sprayfield Upgrades Total		8,965	2,141				
	Package Plant Connection							
197	South Shores Utility Connection	Property Owner	929	TBD				
199	River Grove I & II Mobile Home Park Connection	Property Owner	697	TBD				
192	Oak Point Wastewater Treatment Facility Improvements	Property Owner	186	TBD	Complete	Complete	100%	0%
	Package Plant Connection Total		1,812	TBD				
	Septic System Removal by Sewer Extension							
2016-27	Sharpes - Zone A (0 of 186 connected)	Brevard County	5,248	TBD				
2016-29	South Banana - Zone B (0 of 41 connected)	Brevard County	915	TBD	Complete			

Project Number	Project	Responsible Entity	TN Reductions (lbs/yr)	TP Reductions (lbs/yr)	Scope of Work Received	Contract Review Status	Design	Construction
2016-35	South Beaches - Zone A (1 of 37 connected)	Brevard County	1,306	TBD	Complete			
2016-36	South Beaches - Zone O (0 of 4 connected)	Brevard County	136	TBD	Complete	Complete	100%	
2016-37	South Beaches - Zone P (0 of 15 connected)	Brevard County	489	TBD	Complete	Complete	60%	
2016-50	South Central - Zone C (0 of 140 connected)	Brevard County	5,146	TBD	Complete	Complete	100%	
3	Micco Sewer Line Extension (Phase I and II) (0 of 18 connected)	Brevard County	1,493	TBD	Complete	Complete	100%	
47	Sykes Creek - Zone N (0 of 91 connected)	Brevard County	2,784	TBD	Complete	Complete	75%	
48	Sykes Creek - Zone M (0 of 56 connected)	Brevard County	1,798	TBD	Complete	Complete	30%	
49	Sykes Creek - Zone T (0 of 148 connected)	Brevard County	3,360	TBD	Complete	Complete	30%	
136	Micco - Zone B (0 of 540 connected)	Brevard County	8,687	TBD	Complete			
145	Merritt Island - Zone F (0 of 71 connected)	Brevard County	1,292	TBD	Complete			
146	Merritt Island - Zone C (0 of 43 connected)	Brevard County	1,419	TBD	Complete			
147	Sykes Creek - Zone R (0 of 192 connected)	Brevard County	2,925	TBD	Complete			
148	North Merritt Island - Zone E (0 of 195 connected)	Brevard County	2,541	TBD	Complete			
150	South Central - Zone D (0 of 94 connected)	Brevard County	3,387	TBD				
151	Merritt Island - Zone G (0 of 1,146 connected)	Brevard County	11,078	TBD	Complete			
152	Sharpes - Zone B (0 of 136 connected)	Brevard County	2,692	TBD				
153	Cocoa - Zone C (0 of 273 connected)	Brevard County	3,499	TBD				
203	South Central - Zone A (0 of 101 connected)	Brevard County	3,655	TBD				
2016-31	City of Cocoa - Zone K (0 of 36 connected)	Cocoa	1,663	TBD				
2016-32	City of Cocoa - Zone J (0 of 94 connected)	Cocoa	3,259	TBD				
2016-28	South Central - Zone D (Melbourne) (0 of 28 connected)	Melbourne	177	TBD				
2016-33	City of Melbourne (0 of 26 connected)	Melbourne	878	TBD				
2020-34	South Central - Zone F (1 of 51 connected)	Melbourne	1,688	TBD	Complete	Complete	100%	5%
4	Hoag Sewer Conversion (3 of 5 connected)	Melbourne	101	TBD	Complete	Complete	100%	60%
5	Pennwood Sewer Conversion (2 of 5 connected)	Melbourne	48	TBD	Complete	Complete	100%	60%
61	Riverside Drive Septic-to-Sewer Conversion (1 of 12 connected)	Melbourne	305	TBD	Complete	Complete	100%	54%
62	Roxy Avenue Septic-to-Sewer Conversion (2 of 6 connected)	Melbourne	102	TBD	Complete	Complete	100%	60%
189	Avendia del Rio Septic to Sewer (0 of 3 connected)	Melbourne	71	TBD				
190	Bowers Septic to Sewer (0 of 6 connected)	Melbourne	120	TBD				
191	Kent and Villa Espana Septic to Sewer Conversion (0 of 37 connected)	Melbourne	542	TBD				
2	Merritt Island Septic Phase Out Project (74 of 74 connected)*	Merritt Island Redevelopment Agency	2,492	TBD	Complete	Complete	100%	100%
2016-39	City of Palm Bay – Zone A (0 of 77 connected)	Palm Bay	2,136	TBD				
2016-46	City of Palm Bay – Zone B (0 of 249 connected)	Palm Bay	6,809	TBD				
2016-30	City of Rockledge (0 of 15 connected)	Rockledge	712	TBD				
2016-40	Rockledge - Zone B (0 of 160 connected)	Rockledge	4,037	TBD				
1	Breeze Swept Septic to Sewer Connection (143 of 143 connected)*	Rockledge	2,002	TBD	Complete	Complete	100%	100%
2016-38	City of Titusville - Zone H (0 of 35 connected)	Titusville	910	TBD				
109	City of Titusville - Zones A-G (0 of 18 connected)	Titusville	642	TBD	Complete	Complete	90%	

Project Number	Project	Responsible Entity	TN Reductions (lbs/yr)	TP Reductions (lbs/yr)	Scope of Work Received	Contract Review Status	Design	Construction
60	Sylvan Estates Septic-to-Sewer Conversion (59 connected)*	West Melbourne	1,073	TBD	Complete	Complete	100%	100%
	Septic System Removal by Sewer Extension Total		93,617	TBD				
	Septic System Removal by Sewer Connection							
2016-16	Banana Septic System 144 Quick Connections	Property Owners	3,224	TBD	See Table 2			
2016-18	North IRL Septic System 463 Quick Connections	Property Owners	11,339	TBD	See Table 2			
2016-19	Central IRL Septic System 269 Quick Connections	Property Owners	6,883	TBD	See Table 2			
	Septic System Removal by Sewer Connection Total		21,446	TBD				
	Septic System Upgrades							
51	Banana River Lagoon 100 Septic System Upgrades	Private Citizens	1,934	TBD	See Table 2			
52	North IRL 586 Septic System Upgrades	Private Citizens	13,857	TBD	See Table 2			
53	Central IRL 939 Septic System Upgrades	Private Citizens	22,190	TBD	See Table 2			
	Septic System Upgrades Total		37,981	TBD				
	Stormwater Projects							
2016-41	Banana River Lagoon 68 Basin Projects	Brevard County	63,789	8,421				
2016-42	North IRL 98 Basin Projects	Brevard County	118,696	15,673				
2016-43	Central IRL 10 Basin Projects	Brevard County	19,832	2,617				
18	Basin 62 Denitrification Retrofit of Johns Road Pond	Brevard County	1,199	TBD	Complete	Complete	100%	0%
22	Basin 1387 Kingsmill-Aurora Phase Two	Brevard County	4,176	814	Complete	Complete	30%	
23	Basin 41 Denitrification Retrofit of Huntington Pond	Brevard County	1,190	TBD	Complete	Complete	1%	
24	Basin 71 Denitrification Retrofit of Flounder Creek Pond	Brevard County	856	TBD	Complete	Complete	100%	
85	Basin 1304 Bioreactor*	Brevard County	958	127	Complete	Complete	100%	100%
87	Basin 2134 Fleming Grant Biosorption Activated Media*	Brevard County	602	91	Complete	Complete	100%	100%
89	Basin 1298 Bioreactor*	Brevard County	917	116	Complete	Complete	100%	100%
90	Basin 51 Johns Road Pond Biosorption Activated Media*	Brevard County	245	37	Complete	Complete	100%	100%
91	Basin 100 Burkholm Road Biosorption Activated Media*	Brevard County	685	104	Complete	Complete	100%	100%
92	Basin 115 Carter Road Biosorption Activated Media*	Brevard County	665	101	Complete	Complete	100%	100%
93	Basin 193 Wiley Ave Biosorption Activated Media*	Brevard County	954	144	Complete	Complete	100%	100%
94	Basin 832 Broadway Pond Biosorption Activated Media*	Brevard County	456	69	Complete	Complete	100%	100%
117	Basin 10 County Line Road Woodchip Bioreactor*	Brevard County	597	90	Complete	Complete	100%	100%
118	Basin 26 Sunset Road Serenity Park Woodchip Bioreactor	Brevard County	605	92	Complete	Complete	100%	0%
119	Basin 141 Irwin Avenue Woodchip Bioreactor*	Brevard County	567	86	Complete	Complete	100%	100%
121	Basin 2258 Babcock Road Woodchip Bioreactor	Brevard County	412	62	Complete	Complete	50%	
122	Basin 22 Huntington Road Serenity Park Woodchip Bioreactor*	Brevard County	329	50	Complete	Complete	100%	100%
205	Basin 998 Hampton Homes	Brevard County	TBD	TBD	Complete	Under Review		
206	Basin 1066 Angel Ave	Brevard County	TBD	TBD	Complete	Out for Signature		
207	Basin 1124	Brevard County	TBD	TBD	Complete	Under Review		
13	Central Boulevard Baffle Box*	Cape Canaveral	481	14	Complete	Complete	100%	100%
14	Church Street Type II Baffle Box*	Cocoa	937	135	Complete	Complete	100%	100%
124	Floating Wetlands to Existing Stormwater Ponds*	Cocoa	12	3	Complete	Complete	100%	100%
125	Diamond Square Stormwater Pond	Cocoa	85	23				

Project Number	Project	Responsible Entity	TN Reductions (lbs/yr)	TP Reductions (lbs/yr)	Scope of Work Received	Contract Review Status	Design	Construction
129	Forrest Avenue 72-inch Outfall Baseflow Capture/Treatment	Cocoa	94	12				
177	North and South Lakemont Ponds Floating Wetlands	Cocoa	107	25	Under Review			
64	Stormwater Low Impact Development Convair Cove 1 – Blakey Boulevard	Cocoa Beach	30	3	Complete	Complete	100%	49%
65	Stormwater Low Impact Development Convair Cove 2 – Dempsey Drive	Cocoa Beach	29	3	Complete	Complete	100%	49%
127	Basin 5 Dry Retention*	Indialantic	113	18	Complete	Complete	100%	100%
16	Gleason Park Reuse*	Indian Harbour Beach	48	9	Complete	Complete	100%	100%
66	Big Muddy at Cynthia Baffle Box*	Indian Harbour Beach	436	58	Complete	Complete	100%	100%
34	Cliff Creek Baffle Box*	Melbourne	3,952	797	Complete	Complete	100%	100%
35	Thrush Drive Baffle Box*	Melbourne	3,661	773	Complete	Complete	100%	100%
67	Grant Place Baffle Box	Melbourne	937	193				
69	Apollo/GA Baffle Box	Melbourne	3,381	479				
95	Cherry Street Baffle Box	Melbourne	980	174				
96	Spring Creek Baffle Box	Melbourne	1,057	232				
88	Espanola Baffle Box	Melbourne	1,119	148				
169	Sherwood Park Stormwater Quality Project*	Melbourne	3,214	879	Complete	Complete	100%	100%
175	High School Baffle Box	Melbourne	1,183	319				
176	Funeral Home Baffle Box	Melbourne	481	129				
15	Bayfront Stormwater Project*	Palm Bay	348	83	Complete	Complete	100%	100%
128	Jackson Court Stormwater Treatment Facility	Satellite Beach	56	8	Complete	Complete	100%	100%
179	Lori Laine Basin Pipe Improvement Project	Satellite Beach	117	21				
68	Crane Creek/M-1 Canal Flow Restoration	St. Johns Water Management District	23,113	2,719	Complete	Complete	80%	
19	St. Teresa Basin Treatment*	Titusville	3,100	459	Complete	Complete	100%	100%
20	South Street Basin Treatment*	Titusville	987	156	Complete	Complete	100%	100%
21	La Paloma Basin Treatment*	Titusville	2,367	346	Complete	Complete	100%	100%
97	Titusville High School Baffle Box	Titusville	1,190	166	Complete	Complete	100%	85%
98	Coleman Pond Managed Aquatic Plant System*	Titusville	1,240	198	Complete	Complete	100%	100%
110	Osprey Plant Pond Managed Aquatic Plant Systems*	Titusville	606	88	Complete	Complete	100%	100%
120	Draa Field Pond Managed Aquatic Plant Systems*	Titusville	256	38	Complete	Complete	100%	100%
174	St. Johns 2 Baffle Box	Titusville	1,992	611	Complete	Complete	1%	
178	Marina B Managed Aquatic Plant Systems*	Titusville	55	7	Complete	Complete	100%	100%
123	Ray Bullard Water Reclamation Facility Stormwater Management Area	West Melbourne	1,317	400	Complete	Complete	100%	49%
	Stormwater Projects Total		276,811	38,420				
	Vegetation Harvesting							
112	County Wide Stormwater Pond Harvesting*	Brevard County	140	28	Complete	Complete	100%	100%

Project Number	Project	Responsible Entity	TN Reductions (lbs/yr)	TP Reductions (lbs/yr)	Scope of Work Received	Contract Review Status	Design	Construction
172	Horseshoe Pond Vegetative Harvesting	Brevard County	74	7	Complete	Executed		
173	North and South Lakemont Ponds Vegetation Harvesting	Cocoa	18	4				
171	Mechanical Aquatic Vegetation Harvesting	Melbourne Tillman Water Control District	16,636	1,664	Complete	Under Review		
111	Draa Field Vegetation Harvesting*	Titusville	574	TBD	Complete	Complete	100%	100%
	Vegetation Harvesting Total		17,442	1,703				
	Muck Removal & Interstitial Treatment							
2016-3a & b	Muck Re-dredging in Turkey Creek & Interstitial Treatment*	Brevard County	5,691	221	Complete	Complete	100%	100%
2016-04a & b	Rockledge A Muck & Interstitial Treatment	Brevard County	20,286	1,982	Complete	Complete	30%	
2016-05a & b	Pineda Banana River Lagoon & Interstitial Treatment	Brevard County	34,853	2,490				
2016-06a & b	Titusville Railroad West	Brevard County	23,554	1,421	Complete	Complete	30%	
2016-07a & b	National Aeronautics and Space Administration Causeway East & Interstitial Treatment	Brevard County	50,839	3,684	Complete	Complete	30%	
2016-08a & b	Titusville Railroad East & Interstitial Treatment	Brevard County	17,081	1,291	Complete	Complete	30%	
2016-10a & b	Port Canaveral South & Interstitial Treatment	Brevard County	78,070	5,812				
2016-11a & b	Patrick Air Force Base & Interstitial Treatment	Brevard County	27,333	2,279				
40	Mims Muck Removal Outflow Water Nutrient Removal*	Brevard County	2,803	244	Complete	Complete	100%	100%
41a & b	Grand Canal Muck & Interstitial Treatment	Brevard County	99,210	1,358	Complete	Complete	100%	33%
42a & b	Sykes Creek Muck & Interstitial Treatment	Brevard County	83,913	2,618	Complete	Complete	100%	
54a & b	Eau Gallie Northeast Muck & Interstitial Treatment	Brevard County	35,886	3,795	Complete	Complete	98%	
71	Merritt Island Muck Removal – Phase 1	Brevard County	8,085	1,540	Complete	Complete	60%	
70a	Cocoa Beach Muck Dredging – Phase III*	Cocoa Beach	4,095	780	Complete	Complete	100%	100%
101	Cocoa Beach Muck Dredging Phase II-B	Cocoa Beach	6,300	840	Complete	Complete	100%	85%
168a & b	Cocoa Beach Golf Muck & Interstitial Treatment	Cocoa Beach	128,792	11,080	Complete	Complete	17%	
72a & b	Muck Removal of Indian Harbour Beach Canals & Interstitial Treatment	Indian Harbour Beach	31,198	720	Complete	Complete	40%	
144 & 113	Satellite Beach Muck Dredging & Interstitial Treatment	Satellite Beach	33,863	3,577				
	Muck Removal & Interstitial Treatment Total		691,852	45,732				
	Oyster Bars							
2016-55	Banana River Lagoon County Oyster Bars (199,652 Square Feet)	Brevard County	7,986	200				
2016-56	North IRL County Oyster Bars (185,972 Square Feet)	Brevard County	7,439	186				
2016-57	Central IRL County Oyster Bars (68,234 Square Feet)	Brevard County	1,194	30				

Project Number	Project	Responsible Entity	TN Reductions (lbs/yr)	TP Reductions (lbs/yr)	Scope of Work Received	Contract Review Status	Design	Construction
73	RiverView Senior Resort Oyster Bar* (1,920 Square Feet)	Brevard County	77	2	Complete	Complete	100%	100%
75	Marina Isles Oyster Bar* (1,800 Square Feet)	Brevard Zoo	60	20	Complete	Complete	100%	100%
76	Bettinger Oyster Bar* (720 Square Feet)	Brevard Zoo	24	8	Complete	Complete	100%	100%
79	Gitlin Oyster Bar* (1,080 Square Feet)	Brevard Zoo	36	12	Complete	Complete	100%	100%
80	Coconut Point/Environmentally Endangered Lands Oyster Bar* (2,400 Square Feet)	Brevard Zoo	96	2	Complete	Complete	100%	100%
81	Wexford Oyster Bar* (1,750 Square Feet)	Brevard Zoo	70	24	Complete	Complete	100%	100%
83	Bomalaski Oyster Bar* (600 Square Feet)	Brevard Zoo	20	7	Complete	Complete	100%	100%
104	Brevard Zoo Banana River Oyster Project (36,894 Square Feet)	Brevard Zoo	1,476	37	Complete	Complete	5%	2%
105	Brevard Zoo Central IRL Oyster Project (9,130 of 10,200 Square Feet)	Brevard Zoo	408	10	Complete	Complete	100%	90%
106	Brevard Zoo North IRL Oyster Project (2,670 of 21,600 Square Feet)	Brevard Zoo	864	22	Complete	Complete	83%	54%
139	Brevard Zoo North IRL Oyster Project 2 (1,506 of 21,030 Square Feet)	Brevard Zoo	841	21	Complete	Complete	20%	19%
140	Brevard Zoo Central IRL Oyster Project 2 (3,714 of 16,932 Square Feet)	Brevard Zoo	677	17	Complete	Complete	20%	29%
141	Brevard Zoo Banana River Oyster Project 2 (16,560 Square Feet)	Brevard Zoo	662	17				
142	Brevard Zoo Oyster Reef Adjustments North IRL (1,700 Square Feet)	Brevard Zoo	68	2				
143	Brevard Zoo Oyster Reef Adjustments Banana River (800 Square Feet)	Brevard Zoo	32	1				
184	Brevard Zoo North Indian River Lagoon Oyster Project 3 (26,388 Square Feet)	Brevard Zoo	1,056	26	Complete	Complete	25%	
185	Brevard Zoo Central Indian River Lagoon Tributary Pilot Oyster Project	Brevard Zoo	581	15				
186	Brevard Zoo North Indian River Lagoon Individual Oyster Project	Brevard Zoo	436	11				
187	Brevard Zoo Central Indian River Lagoon Oyster Project 3	Brevard Zoo	218	5				
188	Brevard Zoo Banana River Oyster Project 3	Brevard Zoo	143	4				
78a	McNabb Park Oyster Bar (1,800 Square Feet)	Cocoa Beach	72	24	Complete	Out for Signature		
82a	Riverview Park Oyster Bar (5,750 Square Feet)	Melbourne	230	78				
	Oyster Bars Total		24,766	781				
	Planted Shorelines							
102	Brevard Zoo Banana River Plant Project WITHDRAW	Brevard Zoo	13	4	Complete	Complete		
103	Brevard Zoo North IRL Plant Project* (50 Linear Feet)	Brevard Zoo	3	1	Complete	Complete	100%	100%
130	Brevard Zoo North IRL Plant Project 2 (610 Linear Feet)	Brevard Zoo	41	14	Complete	Complete	100%	100%
131	Brevard Zoo Central IRL Plant Project (124 Linear Feet) WITHDRAW	Brevard Zoo	8	3	Complete	Complete		
132	Brevard Zoo Banana River Plant Project 2 (25 Linear Feet) WITHDRAW	Brevard Zoo	2	1	Complete	Complete		
183	Brevard Zoo North Indian River Lagoon Plant Project 3 (60 Linear Feet) WITHDRAW	Brevard Zoo	4	1				
78b	McNabb Park Planted Shoreline (360 Linear Feet)	Cocoa Beach	24	8	Complete	Out for Signature		
77a	Cocoa Beach Country Club Planted Shoreline* (1,000 Linear Feet)	Marine Resources Council	67	23	Complete	Complete	100%	100%
77b	Lagoon House Shoreline Restoration Planting* (1,493 Linear Feet)	Marine Resources Council	100	34	Complete	Complete	100%	100%
133	Fisherman's Landing* (300 Linear Feet)	Marine Resources Council	20	7	Complete	Complete	100%	100%

Project Number	Project	Responsible Entity	TN Reductions (lbs/yr)	TP Reductions (lbs/yr)	Scope of Work Received	Contract Review Status	Design	Construction
135	Rotary Park* (300 Linear Feet)	Marine Resources Council	20	7	Complete	Complete	100%	100%
180	Scottsmoor Impoundment (650 Linear Feet)	Marine Resources Council	44	15				
181	Riveredge (250 Linear Feet)	Marine Resources Council	17	6	Complete	Complete	1%	
182	Newfound Harbor Drive (100 Linear Feet)	Marine Resources Council	7	2	Complete	Complete	1%	
82b	Riverview Park Planted Shoreline (1,150 Linear Feet)	Melbourne	77	26				
	Planted Shorelines Total		434	148				
	Clam Restoration							
194	Aquaculture Stimulus Program	Private Citizens	1,000	TBD				
	Clam Restoration Total		1,000	TBD				

Table 2. Septic Upgrade and Quick Connect Tracking

Project Number	Project	Applications Contracted	Contracts Completed	Total TN Reduction (lbs/yr)
51	Banana River Lagoon 100 Septic System Upgrades	5	0	0
52	North IRL 586 Septic System Upgrades	22	15	355
53	Central IRL 939 Septic System Upgrades	37	28	662
2016-16	Banana Septic System 144 Quick Connections	0	2	45
2016-18	North IRL Septic System 463 Quick Connections	5	29	710
2016-19	Central IRL Septic System 269 Quick Connections	0	1	26

Table 3. Overview

Totals	Total TN Reduction (lbs/yr)	Total TP Reduction (lbs/yr)	Scopes of Work Received	Contracts Executed	Projects in Design	Projects Under Construction	Projects Complete
Total as of Previous Quarter	83,388	8,464	115	112	109	75	51
Total as of This Quarter	95,015	8,664	128	113	109	78	53

Save Our Indian River Lagoon Project Applications – 2022

Table 1. Project Application Table

Project Number	Project Name	Entity	Project Type	TN Reduction (pounds/year)	Total Cost	Total Cost (\$/pound TN)	Eligible Tax Funding (\$/pound TN)	Eligible Tax Funding Cost Share	Cumulative Eligible Tax Funding Increase	Dollar Amount Secured Grants	Notes
208	Maritime Hammock Preserve Stormwater Pond Aquatic Vegetation Harvesting	City of Cocoa Beach	Vegetation Harvesting	14	\$ 8,484	\$ 121	\$ 110	\$ 7,700	\$ 7,700		6,010 pounds of wet weight plant material removed from 1-acre stormwater pond over 5 years
209	Basin 1398 Sand Dollar Canal Harvesting	Brevard County Natural Resources	Vegetation Harvesting	222	\$ 54,000	\$ 243	\$ 110	\$ 24,420	\$ 32,120		13,500 pounds of wet weight plant material removed from 2.75-acre canal
210	Basin 958 Pioneer Road Vegetation Harvesting	Brevard County Natural Resources	Vegetation Harvesting	363	\$ 186,000	\$ 512	\$ 110	\$ 39,930	\$ 72,050		30,132 pounds of wet weight plant material removed
211	Cocoa Beach Golf Course Stormwater Ponds Aquatic Vegetation Harvesting	City of Cocoa Beach	Vegetation Harvesting	393	\$ 238,158	\$ 121	\$ 110	\$ 216,150	\$ 288,200		168,268 pounds of wet weight plant material removed from 19 ponds totaling 28 acres over 5 years
212	Titusville Causeway Multi-Trophic Restoration and Living Shoreline Resiliency Action Project	Brevard County Natural Resources	Living Shorelines	131	\$ 163,930	\$ 1,251	\$ 240	\$ 31,440	\$ 288,200		1,950 feet of living shoreline planted; using funding already allocated to living shoreline projects
213	Johnson Jr High Organic Nitrogen Denitrification Media Chamber modification	Brevard County Natural Resources	Stormwater Projects	206	\$ 140,000	\$ 680	\$ 313	\$ 64,478	\$ 352,678		
95	Cherry Street Baffle Box	City of Melbourne	Stormwater Projects	980	\$ 626,250	\$ 639	\$ 313	\$ 306,740	\$ 567,298		Previously approved for \$92,120; requesting additional \$214,620
96	Spring Creek Baffle Box	City of Melbourne	Stormwater Projects	1,057	\$ 725,000	\$ 686	\$ 313	\$ 330,841	\$ 798,781		Previously approved for \$99,358; requesting additional \$231,483
214	Sand Point Park Baffle Box	City of Titusville	Stormwater Projects	438	\$ 423,000	\$ 965	\$ 313	\$ 137,135	\$ 935,916		
215	Basin 960 Pioneer Road Denitrification	Brevard County Natural Resources	Stormwater Projects	105	\$ 312,672	\$ 2,978	\$ 370	\$ 38,850	\$ 974,766		
216	City of Rockledge Flow Equalization Basin Project	City of Rockledge	WWTF Upgrades for Reclaimed	5,365	\$ 8,369,000	\$ 1,560	\$ 383	\$ 2,054,795	\$ 3,029,561		Reducing reclaimed water concentration from 7.94 to 3.23 mg/l

Project Number	Project Name	Entity	Project Type	TN Reduction (pounds/year)	Total Cost	Total Cost (\$/pound TN)	Eligible Tax Funding (\$/pound TN)	Eligible Tax Funding Cost Share	Cumulative Eligible Tax Funding Increase	Dollar Amount Secured Grants	Notes
217	Central IRL Oyster Project 4	Brevard Zoo	Oyster Reef	348	\$ 138,156	\$ 397	\$ 397	\$ 138,156	\$ 3,029,561		Construct 8,700 square feet of oyster bars; using funding already allocated to living shoreline projects
218	Central Oyster Project Offshore Reefs	Brevard Zoo	Oyster Reef	900	\$ 357,300	\$ 397	\$ 397	\$ 357,300	\$ 3,029,561		Construct 22,500 square feet of oyster bars; using funding already allocated to living shoreline projects
219	McNabb Outfall Bioretention	City of Cocoa Beach	Stormwater Projects	44	\$ 186,512	\$ 4,283	\$ 446	\$ 19,423	\$ 3,048,984	\$ 124,768	
220	Basin 1398 Sand Dollar Canal Bioreactor	Brevard County Natural Resources	Stormwater Projects	444	\$ 370,000	\$ 833	\$ 446	\$ 198,024	\$ 3,247,008		
221	Burriss Way Alley West Stormwater Low Impact Development Improvement	City of Cocoa Beach	Stormwater Projects	3	\$ 186,512	\$ 66,611	\$ 446	\$ 1,249	\$ 3,248,257	\$ 123,000	
222	Hedgecock/Grabowsky and Desoto Fields	City of Satellite Beach	Septic System Removal-Connect	81	\$ 183,874	\$ 2,357	\$ 487	\$ 39,447	\$ 3,287,704	\$ 183,874	
223	Spring Creek Dredging	City of Melbourne	Muck Removal	154	\$ 1,400,000	\$ 9,091	\$ 520	\$ 80,080	\$ 3,367,784		Remove 1.47 acres of muck
2016-35	South Beaches A	Brevard County Utility Services	Septic System Removal-Extend	1,306	\$ 2,546,581	\$ 1,950	\$ 1,500	\$ 1,959,000	\$ 4,092,020	\$ 1,165,236	Previously approved for \$1,234,764; requesting additional \$724,236
224	Lake Ashley Circle	City of West Melbourne	Septic System Removal-Extend	1,136	\$ 3,160,000	\$ 2,782	\$ 1,500	\$ 1,704,000	\$ 5,796,020		Connect 46 homes
2016-29	South Banana B	Brevard County Utility Services	Septic System Removal-Extend	915	\$ 3,644,729	\$ 3,983	\$ 1,500	\$ 1,372,500	\$ 5,800,268		Previously approved for \$1,368,252; requesting additional \$4,248
225	Dundee Circle and Manor Place	City of West Melbourne	Septic System Removal-Extend	1,499	\$ 3,720,000	\$ 2,482	\$ 1,500	\$ 2,248,500	\$ 8,048,768		Connect 60 homes
148	North Merritt Island E	Brevard County Utility Services	Septic System Removal-Extend	2,541	\$ 4,413,899	\$ 1,737	\$ 1,500	\$ 3,811,500	\$ 8,225,268		Previously approved for \$3,635,000; requesting additional \$176,500

Project Number	Project Name	Entity	Project Type	TN Reduction (pounds/year)	Total Cost	Total Cost (\$/pound TN)	Eligible Tax Funding (\$/pound TN)	Eligible Tax Funding Cost Share	Cumulative Eligible Tax Funding Increase	Dollar Amount Secured Grants	Notes
48	Sykes Creek M	Brevard County Utility Services	Septic System Removal-Extend	1,798	\$ 4,800,000	\$ 2,670	\$ 1,500	\$ 2,697,000	\$ 9,053,436	\$ 423,936	Previously approved for \$1,868,832; requesting additional \$828,168
47	Sykes Creek N	Brevard County Utility Services	Septic System Removal-Extend	2,784	\$ 4,991,758	\$ 1,793	\$ 1,500	\$ 4,176,000	\$ 10,626,420		Previously approved for \$2,603,016; requesting additional \$1,572,984
147	Sykes Creek R	Brevard County Utility Services	Septic System Removal Extend	2,925	\$ 6,645,983	\$ 2,272	\$ 1,500	\$ 4,387,500	\$ 11,513,920	\$ 1,500,000	Previously approved for \$3,500,000; requesting additional \$887,500
49	Sykes Creek T	Brevard County Utility Services	Septic System Removal-Extend	3,360	\$ 9,900,000	\$ 2,946	\$ 1,500	\$ 5,040,000	\$ 11,614,864	\$ 1,071,936	Previously approved for \$4,939,056; requesting additional \$100,944
2016-31/32	N. Indian River Dr. Sewer Improvements - Areas J and K	City of Cocoa	Septic System Removal-Extend	3,748	\$ 10,401,520	\$ 2,775	\$ 1,500	\$ 5,622,000	\$ 12,898,504		Previously approved for \$4,338,360; requesting additional \$1,283,640
203	South Central A	Brevard County Utility Services	Septic System Removal-Extend	3,655	\$ 13,051,279	\$ 3,571	\$ 1,500	\$ 5,482,500	\$ 15,010,432	\$ 3,370,572	Previously approved for \$3,370,572; requesting additional \$2,111,928
2016-27	Sharpes A	Brevard County Utility Services	Septic System Removal-Extend	5,248	\$ 21,634,596	\$ 4,122	\$ 1,500	\$ 7,872,000	\$ 16,675,240		Previously approved for \$6,207,192; requesting additional \$1,664,808

Save Our Indian River Lagoon Funding Application Short Form: **Maritime Hammock Preserve Stormwater Pond Aquatic Vegetation Harvesting**

Project Details

Entity: City of Cocoa Beach

Project Type: Vegetation Harvesting

Sub Lagoon: Banana River Lagoon

Location: 1235 N Atlantic ave, Cocoa Beach, FL

Project Description: This project will remove aquatic vegetation from a 1-acre stormwater pond in the Maritime Hammock Preserve. This stormwater pond treats runoff from 154.8 acres of the surrounding area. Aquatic vegetation present in the pond includes cattails, pondweed, and hydrilla.

Education and Outreach: The Maritime Hammock Preserve is open to the public and consists of a nature trail and a gazebo that overlooks the stormwater pond. 4 educational signs will be installed in the park over the next year. One of these signs will include information about the stormwater treatment pond and nutrient removal.

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): $14 \text{ lbs/year} \times 5 \text{ years} = 70 \text{ lbs}$

Total Phosphorus Reduction (lbs/year): $1 \text{ lbs/year} \times 5 \text{ years} = 5 \text{ lbs}$

Costs

Total Project Cost: \$8,484

Estimated Cost per Pound Total Nitrogen Removed: \$121

Estimated Cost per Pound Total Phosphorus Removed: \$1,414

Eligible Tax Funding Cost Share: \$7,700

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: NULL

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: Increased stormwater storage/treatment capacity in the pond. Increased groundwater infiltration. Reduces herbicide use, improves drainage, reduces mosquito breeding habitat, prevents muck accumulation and associated biological oxygen demand

Notes: 6,010 pounds of wet weight plant material removed from 1-acre stormwater pond over 5 years

Save Our Indian River Lagoon Funding Application Short Form: **Basin**
1398 Sand Dollar Canal Harvesting

Project Details

Entity: Brevard County Natural Resources

Project Type: Vegetation Harvesting

Sub Lagoon: North Indian River Lagoon

Location: 28.128238, -80.589799

Project Description: This project would consist of harvesting a 2.75 acre canal just south of Sand Dollar Rd.

Education and Outreach: NULL

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 222

Total Phosphorus Reduction (lbs/year): 21

Costs

Total Project Cost: \$54,000

Estimated Cost per Pound Total Nitrogen Removed: \$243

Estimated Cost per Pound Total Phosphorus Removed: \$2,571

Eligible Tax Funding Cost Share: \$24,420

Project Funding

Is Local Match in Adopted Budget: True

Dollar Amount of Local Cost Share: NULL

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: Reduces herbicide use, improves drainage, reduces mosquito breeding habitat, prevents muck accumulation and associated biological oxygen demand.

Notes: 13,500 pounds of wet weight plant material removed from 2.75 acre canal

Save Our Indian River Lagoon Funding Application Short Form: **Basin 958**
Pioneer Road Vegetation Harvesting

Project Details

Entity: Brevard County Natural Resources

Project Type: Vegetation Harvesting

Sub Lagoon: Banana River Lagoon

Location: 28d23'56" / 80d41'57"

Project Description: Ditch Skimmer directing vegetation to side chamber for collection and drying before extraction.

Education and Outreach: NA

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 363

Total Phosphorus Reduction (lbs/year): 47

Costs

Total Project Cost: \$186,000

Estimated Cost per Pound Total Nitrogen Removed: \$512

Estimated Cost per Pound Total Phosphorus Removed: \$3,957

Eligible Tax Funding Cost Share: \$39,930

Project Funding

Is Local Match in Adopted Budget: True

Dollar Amount of Local Cost Share: NULL

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: Reduces herbicide use, improves drainage, reduces mosquito breeding habitat, prevents muck accumulation and associated biological oxygen demand.

Notes: 30,132 pounds of wet weight plant material removed

Save Our Indian River Lagoon Funding Application Short Form: **Cocoa**
Beach Golf Course Stormwater Ponds Aquatic Vegetation Harvesting

Project Details

Entity: City of Cocoa Beach

Project Type: Vegetation Harvesting

Sub Lagoon: Banana River Lagoon

Location: 5000 Tom Warriner Blvd, Cocoa Beach, FL 32931

Project Description: This project will remove aquatic vegetation from 19 stormwater ponds at the Cocoa Beach Country Club. Aquatic vegetation present includes cattails, pickerelweed, hydrilla, pondweed and other submerged vegetation. Estimated nutrient removal efficiencies were estimated through scientific literature review.

Education and Outreach: The City will share project updates and educational materials relating to the benefits of vegetation harvesting for nutrient removal on social media and through city newsletters. Number of post interactions (likes, shares, etc.) and number of newsletters opened will be documented to track engagement. This project site is open to the public, so sign will be placed during harvesting to further educate the public.

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): $393 \text{ lbs/year} \times 5 \text{ years} = 1,965 \text{ lbs}$

Total Phosphorus Reduction (lbs/year): $27 \text{ lbs/year} \times 5 \text{ years} = 135 \text{ lbs}$

Costs

Total Project Cost: \$238,158

Estimated Cost per Pound Total Nitrogen Removed: \$121

Estimated Cost per Pound Total Phosphorus Removed: \$1,470

Eligible Tax Funding Cost Share: \$216,150

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: NULL

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: Reduces herbicide use, improves drainage, reduces mosquito breeding habitat, prevents muck accumulation and associated biological oxygen demand.

Notes: 168,268 pounds of wet weight plant material removed from 19 ponds totaling 28 acres over 5 years

Save Our Indian River Lagoon Funding Application Short Form: **Titusville Causeway Multi-Trophic Restoration and Living Shoreline Resiliency Action Project**

Project Details

Entity: Brevard County Natural Resources

Project Type: Living Shorelines

Sub Lagoon: North Indian River Lagoon

Location: 28.6259167, -80.7902556

Project Description: Large portions of the sandy beach adjacent to the Titusville Max-Brewer Causeway have been lost from major storm events and wind driven wave erosion. Native vegetation will be planted to restore the ecological functions that a stabilized, vegetated shoreline provides. The project will increase the resiliency conditions for water quality in the Indian River Lagoon by reducing nutrient loading and sediment suspension. Offshore Wave Attenuating Devices (W.A.D.s) will be installed for additional shoreline protection. Grant funding has been secured from the Brevard County Tourism Development Council to complete final design and permitting but does not include funds for the planted shoreline. A proposal was also submitted, but not yet awarded, through the Florida Department of Environmental Protection Resilient Coastlines Program to fund the construction of the W.A.D.s, shoreline grading, and multi-trophic restoration including native shoreline vegetation.

Education and Outreach: N/A

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 131

Total Phosphorus Reduction (lbs/year): 45

Costs

Total Project Cost: \$163,930

Estimated Cost per Pound Total Nitrogen Removed: \$1,251

Estimated Cost per Pound Total Phosphorus Removed: \$3,643

Eligible Tax Funding Cost Share: \$31,440

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: \$250,000

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: The Titusville Causeway Shoreline Stabilization project will provide significant impact to the local economy and generate a resilient shoreline to better serve the local community. Protection of the Causeway is an investment in the ecotourism value to the surrounding community, provides flood protection to SR406, and maintains critical habitat for marine species including spawning horseshoe crabs.

Notes: 1,950 feet of living shoreline planted

Save Our Indian River Lagoon Funding Application Short Form: **Johnson Jr High Organic Nitrogen Denitrification Media Chamber modification**

Project Details

Entity: Brevard County Natural Resources

Project Type: Stormwater Projects

Sub Lagoon: Central Indian River Lagoon

Location: 28.140, -80.651

Project Description: Denitrification media chamber modification to enhance removal of the organic nitrogen components of TN utilizing inorganic media (pea gravel) at the location of flow with the highest dissolved oxygen.

Education and Outreach: NULL

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 206

Total Phosphorus Reduction (lbs/year): 0

Costs

Total Project Cost: \$140,000

Estimated Cost per Pound Total Nitrogen Removed: \$680

Estimated Cost per Pound Total Phosphorus Removed: \$0

Eligible Tax Funding Cost Share: \$64,478

Project Funding

Is Local Match in Adopted Budget: True

Dollar Amount of Local Cost Share: \$75,522

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: NULL

Notes:

Save Our Indian River Lagoon Funding Application Short Form: **Cherry**
Street Baffle Box

Project Details

Entity: City of Melbourne

Project Type: Stormwater Projects

Sub Lagoon: North Indian River Lagoon

Location: -80.613607, 28.099817

Project Description: Second Generation Baffle Box with Biosorption Activated Media

Education and Outreach: NULL

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 980

Total Phosphorus Reduction (lbs/year): 186

Costs

Total Project Cost: \$626,250

Estimated Cost per Pound Total Nitrogen Removed: \$639

Estimated Cost per Pound Total Phosphorus Removed: \$3,367

Eligible Tax Funding Cost Share: \$306,740

Project Funding

Is Local Match in Adopted Budget: True

Dollar Amount of Local Cost Share: \$626,250

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: Collection of Total Suspended Solids within the box prevents sediment build up in a potential sea grass area.

Notes: Previously approved for \$92,120; requesting additional \$214,620

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

Project Details

Entity: City of Melbourne

Project Type: Stormwater Projects

Sub Lagoon: North Indian River Lagoon

Location: -80.635378, 28.128953

Project Description: Installation of new 2nd Generation with Biosorption Activated Media

Education and Outreach: NULL

Estimated Water Quality Benefits

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

Total Phosphorus Reduction (lbs/year): 248

Costs

Total Project Cost: \$725,000

Estimated Cost per Pound Total Nitrogen Removed: \$686

Estimated Cost per Pound Total Phosphorus Removed: \$2,923

Eligible Tax Funding Cost Share: \$330,841

Project Funding

Is Local Match in Adopted Budget: True

Dollar Amount of Local Cost Share: \$725,000

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: Sediment reduction to the dredged area of the Eau Gallie River.

Notes: Previously approved for \$99,358; requesting additional \$231,483

Save Our Indian River Lagoon Funding Application Short Form: **Sand Point Park Baffle Box**

Project Details

Entity: City of Titusville

Project Type: Stormwater Projects

Sub Lagoon: North Indian River Lagoon

Location: 28°37'02.59"N; 80°48'14.47"W / 101 N. Washington Ave, Titusville, FL 32796 32

Project Description: This project will include the installation of a second generation baffle box with Biosorption Activated Media at Sand Point Park in Titusville. The box will be installed following existing detention ponds, prior to entering the Lagoon, creating a treatment train. The City would also like to utilize a clear cover over the baffle box for educational purposes since this is a highly visible area in a public park, but this will be dependent on the final design to determine the feasibility of using that lid type.

Education and Outreach: Educational signage will be installed at the park near the baffle box. The City would also like to utilize a clear cover over the baffle box for educational purposes since this is a highly visible area in a public park, but this will be dependent on the final design to determine the feasibility of using that lid type.

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 438.13

Total Phosphorus Reduction (lbs/year): 70.52

Costs

Total Project Cost: \$423,000

Estimated Cost per Pound Total Nitrogen Removed: \$965

Estimated Cost per Pound Total Phosphorus Removed: \$5,998

Eligible Tax Funding Cost Share: \$137,135

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: \$285,865

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: NULL

Notes:

Save Our Indian River Lagoon Funding Application Short Form: **Basin 960**
Pioneer Road Denitrification

Project Details

Entity: Brevard County Natural Resources

Project Type: Stormwater Projects

Sub Lagoon: Banana River Lagoon

Location: Merrit Island, North of Pioneer Road. 28°23'56"/80°41'57"

Project Description: NULL

Education and Outreach: NA

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 105

Total Phosphorus Reduction (lbs/year): 3

Costs

Total Project Cost: \$312,672

Estimated Cost per Pound Total Nitrogen Removed: \$2,978

Estimated Cost per Pound Total Phosphorus Removed: \$84,000

Eligible Tax Funding Cost Share: \$38,850

Project Funding

Is Local Match in Adopted Budget: True

Dollar Amount of Local Cost Share: NULL

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: NULL

Notes:

Save Our Indian River Lagoon Funding Application Short Form: **City of Rockledge Flow Equalization Basin Project**

Project Details

Entity: City of Rockledge

Project Type: WWTF Upgrades for Reclaimed Water

Sub Lagoon: North Indian River Lagoon

Location: Latitude: 28.194473 Longitude: -80.432142 1700 Jack Oates Blvd, Rockledge, FL 32955

Project Description: This project consists of the addition of a new 1.4 million gallon influent equalization basin, associated pump station, and supporting facilities including a new electrical building and generator with fuel storage tank. This project also includes the addition of new Variable Frequency Drives to the Waste Activated Sludge (WAS) pumps, improvements at the two existing aerobic digesters (including replacing the existing blowers with new blowers, mixers, diffusers, telescoping valves), new belt filter press feed pump station, and associated yard piping, site civil, architectural, structural, HVAC, and electrical improvements.

This application (including the design, permitting, and construction costs provided) is intended towards the reduction in total nitrogen levels associated with the addition of the new flow equalization basin (EQB) only. The EQB will allow the City to feed the secondary treatment process at a controlled flow rate, provide more consistent loading to the downstream unit processes, and reduce Total Nitrogen levels by 50-85% in the reuse water. The EQB has been sized to equalize influent flows (at appropriate peaking factors) at a projected future wastewater annual average daily flow of 3.5 million gallons per day (MGD).

Education and Outreach: NULL

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 5,365

Total Phosphorus Reduction (lbs/year): 0

Costs

Total Project Cost: \$8,369,000

Estimated Cost per Pound Total Nitrogen Removed: \$1,560

Estimated Cost per Pound Total Phosphorus Removed: \$0

Eligible Tax Funding Cost Share: \$2,054,795

Project Funding

Is Local Match in Adopted Budget: True

Dollar Amount of Local Cost Share: \$1,917,250

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: The primary benefit of this project is improvement of effluent water quality by reducing ammonia nitrogen levels by 50-85%. A secondary benefit derived from the addition of a new flow equalization basin is the protection of natural systems, particularly the Indian River Lagoon. Reclaimed water used for irrigation purposes can make its way to natural systems through stormwater runoff where rainwater collects contaminants it comes in contact with on the ground surface, including nutrients. The addition of a new equalization basin will reduce the amount of ammonia nitrogen that may reach the Indian River Lagoon through stormwater runoff and, therefore, help reduce the amount of nutrients that have the potential to cause algae blooms in the area.

Notes: Reducing reclaimed water concentration of Total Nitrogen from 7.94 to 3.23 mg/l

Save Our Indian River Lagoon Funding Application Short Form: **Central IRL Oyster Project 4**

Project Details

Entity: Brevard Zoo

Project Type: Oyster Reef

Sub Lagoon: Central Indian River Lagoon

Location: The following are the proposed sites for this project. If for any reason we cannot move forward with one or more of these sites, substitution sites will be selected. Proposed sites: 1710 Pine Street, Melbourne Beach FL 32951; 330 Allan Ln, Melbourne Beach, FL 32951; 4210 S Hwy A1A, Melbourne Beach, FL 32951; 4230 Hwy A1A, Melbourne Beach, FL 32951; 7870 Casuarina Dr., Melbourne Beach, FL 32951; 8070 South Highway A1A, Melbourne Beach, FL 32951; 1531 Anglers Dr NE, Palm Bay, FL 32905; 1539 Angler Dr. Palm Bay, FL 32905; 2630 Rocky Point Rd., Malabar, FL 32950; 8845 US Highway 1, Micco, FL 32976.

Project Description: Brevard Zoo intends to construct 8,700 square feet of oyster projects in the Central Basin of the IRL. 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.

Education and Outreach: 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

Total Nitrogen Reduction (lbs/year): 348

Total Phosphorus Reduction (lbs/year): 9

Costs

Total Project Cost: \$138,156

Estimated Cost per Pound Total Nitrogen Removed: \$397

Estimated Cost per Pound Total Phosphorus Removed: \$15,351

Eligible Tax Funding Cost Share: \$138,156

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: \$0

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: In addition to nutrient removal benefits, oyster reefs provide shoreline stabilization benefits and add crucial habitat to many species.

Notes: Construct 8,700 square feet of oyster bars

Save Our Indian River Lagoon Funding Application Short Form: **Central**
Oyster Project Offshore Reefs

Project Details

Entity: Brevard Zoo

Project Type: Oyster Reef

Sub Lagoon: Central Indian River Lagoon

Location: The following are the proposed sites for this project. If for any reason we cannot move forward with one or more of these sites, substitution sites will be selected. Proposed sites GPS coordinates: 28.075043329510553, -80.59812649154158 28.078380659414826, -80.5774815175554 28.01371603280162, -80.55939849461907 28.006829722344953, -80.55556007039992 28.000775766150635, -80.55151127373482 27.97757279553637, -80.52281810206635 27.968937691493284, -80.54338600257144 27.949175622223578, -80.50863554490013 27.932822997591998, -80.50414600257228.

Project Description: Brevard Zoo intends to construct 22,500 square feet of oyster projects in the Central Basin of the IRL. These projects are proposed to be further from shore than previous projects were typically. 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.

Education and Outreach: 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

Total Nitrogen Reduction (lbs/year): 900

Total Phosphorus Reduction (lbs/year): 23

Costs

Total Project Cost: \$357,300

Estimated Cost per Pound Total Nitrogen Removed: \$397

Estimated Cost per Pound Total Phosphorus Removed: \$15,535

Eligible Tax Funding Cost Share: \$357,300

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: \$0

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: In addition to nutrient removal, oyster reefs provide shoreline stabilization benefits and habitat to many species.

Notes: Construct 22,500 square feet of oyster bars

Save Our Indian River Lagoon Funding Application Short Form: **McNabb**
Outfall Bioretention

Project Details

Entity: City of Cocoa Beach

Project Type: Stormwater Projects

Sub Lagoon: Banana River Lagoon

Location: 28.325432, -80.616270; 28.323447, -80.616452

Project Description: This project will create two separate bioretention areas to treat stormwater from low-density residential areas which currently has flumes that run directly from the roadway into the lagoon. Retention areas will be lined with bioactivated media, and planted with Florida native grasses such as frog fruit, muhly, fakahatchee and cordgrass. This system greatly reduces both the storm runoff volume and nutrient/pollutant loading to the receiving water while also protecting the barrier island's surficial aquifer.

Education and Outreach: Project education will include social media postings and emails on the Cocoa Beach News Network (CBNN).

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 43.54999999999997

Total Phosphorus Reduction (lbs/year): 6.87

Costs

Total Project Cost: \$186,512

Estimated Cost per Pound Total Nitrogen Removed: \$4,283

Estimated Cost per Pound Total Phosphorus Removed: \$27,149

Eligible Tax Funding Cost Share: \$19,423

Project Funding

Is Local Match in Adopted Budget: True

Dollar Amount of Local Cost Share: \$61,744

Dollar Amount Secured Grant(s): \$124,768

Additional Information

Other Indian River Lagoon Benefits: Sediment reduction, increased surficial aquifer recharge, reduced roadway pollutants washing directly into the lagoon.

Notes:

Save Our Indian River Lagoon Funding Application Short Form: **Basin**
1398 Sand Dollar Canal Bioreactor

Project Details

Entity: Brevard County Natural Resources

Project Type: Stormwater Projects

Sub Lagoon: North Indian River Lagoon

Location: 28.128245, -80.590258

Project Description: This project will consist of installing gabions with surface to support biological film growth to enhance nutrient removal in a canal within Basin 1398.

Education and Outreach: NULL

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 444

Total Phosphorus Reduction (lbs/year): 70.2

Costs

Total Project Cost: \$370,000

Estimated Cost per Pound Total Nitrogen Removed: \$833

Estimated Cost per Pound Total Phosphorus Removed: \$5,271

Eligible Tax Funding Cost Share: \$198,024

Project Funding

Is Local Match in Adopted Budget: True

Dollar Amount of Local Cost Share: NULL

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: NULL

Notes:

Save Our Indian River Lagoon Funding Application Short Form: **Burris**
Way Alley West Stormwater Low Impact Development Improvement

Project Details

Entity: City of Cocoa Beach

Project Type: Stormwater Projects

Sub Lagoon: Banana River Lagoon

Location: 28.318879, -80.612559

Project Description: This LID project removes impervious coverage from this old downtown highly impervious alley and replaces it with a rain garden and high performance pervious interlocking paver system. Discharge from this system is treated through a BAM denitrifying barrier wall prior to canal/lagoon discharge. This system greatly reduces both the storm runoff volume – and nutrient/pollutant loading to the receiving water while also protecting the barrier island’s surficial aquifer.

Education and Outreach: Project education will include social media postings and emails on the Cocoa Beach News Network (CBNN), as well as a project kiosk featuring the LID components of the project.

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 2.7999999999999901

Total Phosphorus Reduction (lbs/year): 0.46

Costs

Total Project Cost: \$186,512

Estimated Cost per Pound Total Nitrogen Removed: \$66,611

Estimated Cost per Pound Total Phosphorus Removed: \$405,461

Eligible Tax Funding Cost Share: \$1,249

Project Funding

Is Local Match in Adopted Budget: True

Dollar Amount of Local Cost Share: NULL

Dollar Amount Secured Grant(s): \$123,000

Additional Information

Other Indian River Lagoon Benefits: Sediment reduction, increased surficial aquifer recharge.

Notes:

Save Our Indian River Lagoon Funding Application Short Form:
Hedgecock/Grabowsky and Desoto Fields

Project Details

Entity: City of Satellite Beach

Project Type: Septic System Removal-Connect

Sub Lagoon: Banana River Lagoon

Location: 565 Cassia Blvd Hedgecock/Grabowsky Field, and; 499 Desoto Parkway Desoto Field, Satellite Beach FL, 32937

Project Description: Septic tanks are currently in use at Hedgecock/Grabowsky Field and Desoto Field in Satellite Beach. Septic abandonment and sewer connections would alleviate/mitigate groundwater intrusion of TN, TP, and other harmful substances to the IRL.

Education and Outreach: City staff will update public as needed for project/construction updates, including social media, photos, signage, website updates, and the local city newsletter The Beachcaster.

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 81

Total Phosphorus Reduction (lbs/year): 0

Costs

Total Project Cost: \$183,874

Estimated Cost per Pound Total Nitrogen Removed: \$2,357

Estimated Cost per Pound Total Phosphorus Removed: \$0

Eligible Tax Funding Cost Share: \$39,447

Project Funding

Is Local Match in Adopted Budget: True

Dollar Amount of Local Cost Share: NULL

Dollar Amount Secured Grant(s): \$183,874

Additional Information

Other Indian River Lagoon Benefits: NULL

Notes:

Save Our Indian River Lagoon Funding Application Short Form: **Spring**
Creek Dredging

Project Details

Entity: City of Melbourne

Project Type: Muck Removal

Sub Lagoon: North Indian River Lagoon

Location: -80.634926, 28.127493

Project Description: Dredging of Spring Creek, a tributary to the Eau Gallie River.

Education and Outreach: NULL

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 154

Total Phosphorus Reduction (lbs/year): 21

Costs

Total Project Cost: \$1,400,000

Estimated Cost per Pound Total Nitrogen Removed: \$9,091

Estimated Cost per Pound Total Phosphorus Removed: \$66,667

Eligible Tax Funding Cost Share: \$80,080

Project Funding

Is Local Match in Adopted Budget: True

Dollar Amount of Local Cost Share: \$1,300,000

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: Removal of sediment accumulation that contributes to turbidity that blocks light from penetrating through the water column to seagrass habitats.

Notes: Remove 1.47 acres of muck

Save Our Indian River Lagoon Funding Application Short Form: **South**
Beaches A Septic to Sewer

Project Details

Entity: Brevard County Utility Services

Project Type: Septic System Removal-Extend

Sub Lagoon: North Indian River Lagoon

Location: NULL

Project Description: Septic to sewer conversion of 37 lots. Project includes: expanded service area using vacuum sewer, home connections, and force main connection to County system.

Education and Outreach: NULL

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 1,306

Total Phosphorus Reduction (lbs/year): 0

Costs

Total Project Cost: \$2,546,581.25

Estimated Cost per Pound Total Nitrogen Removed: \$1,950

Estimated Cost per Pound Total Phosphorus Removed: \$0

Eligible Tax Funding Cost Share: \$1,959,000

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: NULL

Dollar Amount Secured Grant(s): \$1,165,236

Additional Information

Other Indian River Lagoon Benefits: Reduces nitrogen, phosphorus, pathogen, chemical and pharmaceutical loading to groundwater that migrates to the lagoon.

Notes: Previously approved for \$1,234,764; requesting additional \$724,236

Save Our Indian River Lagoon Funding Application Short Form: **Lake Ashley Circle Septic to Sewer**

Project Details

Entity: City of West Melbourne

Project Type: Septic System Removal-Extend

Sub Lagoon: Central Indian River Lagoon

Location: 28°05'14.4"N 80°41'38.8"W Lake Ashley Circle

Project Description: The septic to sewer project located in Lake Ashley Circle will connect 46 homes to a new sewer system. The total nitrogen removed will be 1,136 lbs/year.

Education and Outreach: The City of West Melbourne invited residents by mail to attend an informational presentation and gauge support for the project. Resident interest forms were sent out and collected from the residents. The City of West Melbourne has received 40 responses out of the 46 residents within this service area. All 40 of the residents are in support of the septic to sewer project.

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 1136

Total Phosphorus Reduction (lbs/year): 0

Costs

Total Project Cost: \$3,160,000.00

Estimated Cost per Pound Total Nitrogen Removed: 2782

Estimated Cost per Pound Total Phosphorus Removed: \$0.00

Eligible Tax Funding Cost Share: \$1,704,000.00

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: \$1,456,000.00

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: The septic to sewer conversion also benefits the Indian River Lagoon by removing potentially harmful bacteria at wastewater treatment facilities instead of contaminating the groundwater table or flowing directly to the lagoon. The additional nutrients can lead to algae blooms which will lead to oxygen-free "dead zones"

hurting the local ecosystem. Converting septic systems to a sewer system also prevents harmful chemicals that a homeowner may have disposed of improperly from entering the groundwater.

Notes: Connect 46 homes

Save Our Indian River Lagoon Funding Application Short Form: **South**
Banana B Septic to Sewer

Project Details

Entity: Brevard County Utility Services

Project Type: Septic System Removal-Extend

Sub Lagoon: Banana River Lagoon

Location: NULL

Project Description: Septic to sewer conversion of 41 lots. Project includes: expanding service area using sewer, home connections, and force main connection to County system.

Education and Outreach: NULL

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 915

Total Phosphorus Reduction (lbs/year): 0

Costs

Total Project Cost: \$3,644,729.25

Estimated Cost per Pound Total Nitrogen Removed: \$3,983

Estimated Cost per Pound Total Phosphorus Removed: \$0

Eligible Tax Funding Cost Share: \$1,372,500

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: NULL

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: Reduces nitrogen, phosphorus, pathogen, chemical and pharmaceutical loading to groundwater that migrates to the lagoon.

Notes: Previously approved for \$1,368,252; requesting additional \$4,248

Save Our Indian River Lagoon Funding Application Short Form: **Dundee Circle and Manor Place Septic to Sewer**

Project Details

Entity: City of West Melbourne

Project Type: Septic System Removal-Extend

Sub Lagoon: Central Indian River Lagoon

Location: Dundee Circle and Manor Place 28 deg 05' 24.3" N, 80 deg 40' 54.3" W

Project Description: The septic-to-sewer project will construct sanitary sewer and connect 60 homes in the Dundee Circle and Manor Place area of the City. The project will remove 1,499 lbs of nitrogen per year.

Education and Outreach: City invited all residents by mail to attend a public meeting on May 12, 2021 with the City and engineer to discuss the project and gauge resident support for the project. City received responses from 57 of 60 residents and 56 residents were in support of the septic-to-sewer project.

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 1,499

Total Phosphorus Reduction (lbs/year): 0

Costs

Total Project Cost: \$3,720,000

Estimated Cost per Pound Total Nitrogen Removed: \$2,482

Estimated Cost per Pound Total Phosphorus Removed: \$0

Eligible Tax Funding Cost Share: \$2,248,500

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: \$1,471,500

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: The septic to sewer conversion also benefits the Indian River Lagoon by removing potentially harmful bacteria at wastewater treatment facilities instead of contaminating the groundwater table or flowing directly to the lagoon. The additional nutrients can lead to algae blooms which will lead to oxygen-free "dead zones"

hurting the local ecosystem. Converting septic systems to a sewer system also prevents harmful chemicals that a homeowner may have disposed of improperly from entering the groundwater.

Notes: Connect 60 homes

Save Our Indian River Lagoon Funding Application Short Form: **North**
Merritt Island E Septic to Sewer

Project Details

Entity: Brevard County Utility Services

Project Type: Septic System Removal-Extend

Sub Lagoon: Banana River Lagoon

Location: NULL

Project Description: Septic to sewer conversion of 195 lots. Project includes: expanded gravity sewer service area, home connections, and force main connection to County system.

Education and Outreach: NULL

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 2,541

Total Phosphorus Reduction (lbs/year): 0

Costs

Total Project Cost: \$4,413,898.50

Estimated Cost per Pound Total Nitrogen Removed: \$1,737

Estimated Cost per Pound Total Phosphorus Removed: \$0

Eligible Tax Funding Cost Share: \$3,811,500

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: NULL

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: Reduces nitrogen, phosphorus, pathogen, chemical and pharmaceutical loading to groundwater that migrates to the lagoon.

Notes: Previously approved for \$3,635,000; requesting additional \$176,500

Save Our Indian River Lagoon Funding Application Short Form: **Sykes**
Creek M Septic to Sewer

Project Details

Entity: Brevard County Utility Services

Project Type: Septic System Removal-Extend

Sub Lagoon: Banana River Lagoon

Location: NULL

Project Description: Septic to sewer conversion of 56 lots. Project includes: expanded service area using vacuum sewer, home connections, and force main connection to County system.

Education and Outreach: NULL

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 1,798

Total Phosphorus Reduction (lbs/year): 0

Costs

Total Project Cost: \$4,800,000

Estimated Cost per Pound Total Nitrogen Removed: \$2,670

Estimated Cost per Pound Total Phosphorus Removed: \$0

Eligible Tax Funding Cost Share: \$2,697,000

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: NULL

Dollar Amount Secured Grant(s): \$423,936

Additional Information

Other Indian River Lagoon Benefits: Reduces nitrogen, phosphorus, pathogen, chemical and pharmaceutical loading to groundwater that migrates to the lagoon.

Notes: Previously approved for \$1,868,832; requesting additional \$828,168

Save Our Indian River Lagoon Funding Application Short Form: **Sykes**
Creek N Septic to Sewer

Project Details

Entity: Brevard County Utility Services

Project Type: Septic System Removal-Extend

Sub Lagoon: Banana River Lagoon

Location: NULL

Project Description: Septic to sewer conversion of 91 lots. Project includes: sewer, connections, force main connection to County system.

Education and Outreach: NULL

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 2,784

Total Phosphorus Reduction (lbs/year): 0

Costs

Total Project Cost: \$4,991,757.50

Estimated Cost per Pound Total Nitrogen Removed: \$1,793

Estimated Cost per Pound Total Phosphorus Removed: \$0

Eligible Tax Funding Cost Share: \$4,176,000

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: NULL

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: Reduces nitrogen, phosphorus, pathogen, chemical and pharmaceutical loading to groundwater that migrates to the lagoon.

Notes: Previously approved for \$2,603,016; requesting additional \$1,572,984

Save Our Indian River Lagoon Funding Application Short Form: **Sykes**
Creek R Septic to Sewer

Project Details

Entity: Brevard County Utility Services

Project Type: Septic System Removal Extend

Sub Lagoon: Banana River Lagoon

Location: NULL

Project Description: Septic to sewer conversion of 192 lots. Project includes: expanded service area using gravity sewer, home connections, and force main connection to County system.

Education and Outreach: NULL

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 2,925

Total Phosphorus Reduction (lbs/year): 0

Costs

Total Project Cost: \$6,645,983.25

Estimated Cost per Pound Total Nitrogen Removed: \$2,272

Estimated Cost per Pound Total Phosphorus Removed: \$0

Eligible Tax Funding Cost Share: \$4,387,500

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: NULL

Dollar Amount Secured Grant(s): \$1,500,000

Additional Information

Other Indian River Lagoon Benefits: Reduces nitrogen, phosphorus, pathogen, chemical and pharmaceutical loading to groundwater that migrates to the lagoon.

Notes: Previously approved for \$3,500,000; requesting additional \$887,500

Save Our Indian River Lagoon Funding Application Short Form: **Sykes**
Creek T Septic to Sewer

Project Details

Entity: Brevard County Utility Services

Project Type: Septic System Removal-Extend

Sub Lagoon: Banana River Lagoon

Location: NULL

Project Description: Septic to sewer conversion of 148 lots. Project includes: expanding service area using vacuum sewer, home connections, and force main connection to County system.

Education and Outreach: NULL

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 3,360

Total Phosphorus Reduction (lbs/year): 0

Costs

Total Project Cost: \$9,900,000

Estimated Cost per Pound Total Nitrogen Removed: \$2,946

Estimated Cost per Pound Total Phosphorus Removed: \$0

Eligible Tax Funding Cost Share: \$5,040,000

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: NULL

Dollar Amount Secured Grant(s): \$1,071,936

Additional Information

Other Indian River Lagoon Benefits: Reduces nitrogen, phosphorus, pathogen, chemical and pharmaceutical loading to groundwater that migrates to the lagoon.

Notes: Previously approved for \$4,939,056; requesting additional \$100,944

Save Our Indian River Lagoon Funding Application Short Form: **N. Indian River Dr. Sewer Improvements - Areas J and K**

Project Details

Entity: City of Cocoa

Project Type: Septic System Removal-Extend

Sub Lagoon: North Indian River Lagoon

Location: 28.381192, -80.736352, SECTION 17, 20, 21 & 28, TOWNSHIP 24 SOUTH, RANGE 36 EAST, CITY OF COCOA, FLORIDA

Project Description: Installation of gravity sewer system to service 99 lots that are currently on septic systems. Previously approved project being resubmitted for updated TN loading allocation update

Education and Outreach: Information Letter to Effected Property Owners - 10/23/2020, Public Meeting - 11/19/2020, online survey - 10/23/2020

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 3,748

Total Phosphorus Reduction (lbs/year): 0

Costs

Total Project Cost: \$10,401,520

Estimated Cost per Pound Total Nitrogen Removed: \$2,775

Estimated Cost per Pound Total Phosphorus Removed: \$0

Eligible Tax Funding Cost Share: \$5,622,000

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: NULL

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: NULL

Notes: Previously approved for \$4,338,360; requesting additional \$1,283,640

Save Our Indian River Lagoon Funding Application Short Form: **South**
Central A Septic to Sewer

Project Details

Entity: Brevard County Utility Services

Project Type: Septic System Removal-Extend

Sub Lagoon: North Indian River Lagoon

Location: NULL

Project Description: Septic to sewer conversion of 101 lots. Project includes: expanded service area using vacuum sewer, home connections, and force main connection to County system.

Education and Outreach: NULL

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 3,655

Total Phosphorus Reduction (lbs/year): 0

Costs

Total Project Cost: \$13,051,279

Estimated Cost per Pound Total Nitrogen Removed: \$3,571

Estimated Cost per Pound Total Phosphorus Removed: \$0

Eligible Tax Funding Cost Share: \$5,482,500

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: NULL

Dollar Amount Secured Grant(s): \$3,370,572

Additional Information

Other Indian River Lagoon Benefits: Reduces nitrogen, phosphorus, pathogen, chemical and pharmaceutical loading to groundwater that migrates to the lagoon.

Notes: Previously approved for \$3,370,572; requesting additional \$2,111,928

Save Our Indian River Lagoon Funding Application Short Form: **Sharpes A**
Septic to Sewer

Project Details

Entity: Brevard County Utility Services

Project Type: Septic System Removal-Extend

Sub Lagoon: North Indian River Lagoon

Location: NULL

Project Description: Septic to sewer conversion of 186 lots. Project includes: expanded service area using sewer, home connections, and force main connection to County system.

Education and Outreach: NULL

Estimated Water Quality Benefits

Total Nitrogen Reduction (lbs/year): 5,248

Total Phosphorus Reduction (lbs/year): 0

Costs

Total Project Cost: \$21,634,596.23

Estimated Cost per Pound Total Nitrogen Removed: \$4,122

Estimated Cost per Pound Total Phosphorus Removed: \$0

Eligible Tax Funding Cost Share: \$7,872,000

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: NULL

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: Reduces nitrogen, phosphorus, pathogen, chemical and pharmaceutical loading to groundwater that migrates to the lagoon.

Notes: Previously approved for \$6,207,192; requesting additional \$1,664,808



Save Our Indian River Lagoon
Citizen Oversight Committee
November 19, 2021

Agenda Item:

VIII. a. New Business

Title:

Project Funding Recommendations to include in the recommended 2022 Plan Update

Requested Action:

Motion to recommend modification of the *Save Our Indian River Lagoon Project Plan* to include:

- all the projects in the 2022 Project Funding Requests List with the exception of Project(s) Numbered _____ [list project numbers to be excluded].

The Citizen's Oversight Committee may consider adding the following direction:

- Project(s) Numbered _____ [list project numbers to be returned], are returned to staff for further review and Committee reconsideration at a later date.

Summary Explanation and Background:

Each year, new project ideas and funding requests are accepted for consideration by the Citizen Oversight Committee to be recommended for funding and inclusion in the next annual update of the Save Our Indian River Lagoon Project Plan.

The Committee's recommendations are presented to the Board of County Commissioners for their inclusion, modification and inclusion, or non-inclusion in the next annual plan update. Per the enabling ordinance for the surtax, the Board shall not act on the Committee's recommendations any sooner than 15 days after posting of the draft plan update on the County's Save Our Indian River Lagoon website.

Upon County Commission approval, a project or projects that deliver comparable nutrient removal benefits may be added to the listed Save Our Indian River Lagoon Project Plan or substituted for funding allocated to other projects in the same sub-lagoon. Unless otherwise agreed to by the County Commission, if a substituted project costs more than the project previously included in the Plan, the requesting partner must provide the balance of costs.

Potential recommendations include 30 projects requests from the community for consideration in the 2022 Plan Update. These projects are potentially eligible for up to \$16,675,240 of new or increased Save Our Indian River Lagoon surtax funding.



Save Our Indian River Lagoon
Citizen Oversight Committee
November 19, 2021

Agenda Item:

VIII. b. New Business

Title:

2022 Meeting Calendar

Requested Action:

Motion to recommend adoption of the attached meeting schedule for 2022.

Summary Explanation and Background:

Since inception in 2016, the Citizen Oversight Committee has met monthly. For the last several years, the Committee has followed the lead of the County Commission and not met during the month of June. Meetings may be cancelled if not needed or pose significant conflicts, however selecting a full year schedule allows for securing meeting rooms and space on the calendar of all participants. A proposed schedule is attached.



**SAVE OUR INDIAN RIVER LAGOON
CITIZEN OVERSIGHT COMMITTEE
2022 MEETING SCHEDULE**

Regular Meetings

8:30 a.m. – 11:30 a.m.

Brevard County Government Center
2725 Judge Fran Jamieson Way
Building C, 3rd Floor, Florida Room
Viera, Florida 32940

January 21, 2022

February 18, 2022

March 18, 2022

April 15, 2022

May 20, 2022

June Break

July 15, 2022

August 19, 2022

September, 16, 2022

October 21, 2022

November 18, 2022

December 16, 2022

Committee Executive Secretary

Carol Gerundo

(321) 633-2016

Email: Carol.Gerundo@brevardfl.gov