

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

November 20, 2020 – 8:30 to 11:30 am
Brevard County Government Center
2725 Judge Fran Jamieson Way Viera,
Florida 32940

County Commission Chambers and On-line via Zoom Conference

- 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. My Lagoon Story Video Featuring Kimberly Newton
 - b. Citizen Science Video Featuring Missy Weiss of ORCA
 - c. 2021 Project Funding Requests - Terri Breeden
 - d. Private Package Plant Loading Update – Matt Badolato
 - e. Latest Revenue Projection Update - Virginia Barker
 - f. Project Substitution Options - Virginia Barker
- VII. Old Business
- VIII. New Business
 - a. 2021 Project Funding Recommendations for the 2021 Plan Update
 - b. 2021 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 16, 2020 – 8:30 a.m.
2725 Judge Fran Jamieson Way,
On-line Zoom Conference
Viera, FL 32940

Members Present:

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

Staff Present:

Virginia Barker, Brevard County Natural Resources Management Director
Christine Valliere, Assistant County Attorney
Matt Badolato, Associate Environmental Specialist
Jenny Hansen, Associate Environmental Specialist
Walker Dawson, Engineer III
Anthony Gubler, Environmental Specialist
Courtney Maier, Engineer I, Stormwater
Crystal Melton, Fiscal Analyst

I. Call to Order

II. Roll Call

A quorum was established.

III. Approval of the Agenda

Vinnie Taranto moved to approve the Agenda with the following addition: Water Quality Monitoring Data – Virginia Barker, after Presentation Item VI.c.; Seconded by Charles Venuto. Motion was unanimously approved.

IV. Approval of Minutes

Stephany Eley moved to approve the September 18, 2020 minutes as written; Seconded by Laurilee Thompson. Motion was unanimously approved.

V. Progress and Fiscal Reports

a. Monthly Progress Report – Virginia Barker

The Monthly Progress Report was given by Virginia Barker.

Discussion ensued. The Committee's questions were answered by Virginia Barker and Anthony Gubler.

b. Monthly Revenue Graph – Crystal Melton, Fiscal Analyst

Crystal Melton reported on the Monthly Revenue Graph.

Discuss ensued. The Committee's questions were answered by Crystal Melton and Virginia Barker.

VI. Other Reports and Special Presentations

a. Dolphins of the Indian River Lagoon: Sentinels of Estuary Health – Megan Stolen, Research Scientist II, Hubbs Sea World Research Institute

Megan Stolen gave a power point presentation, entitled Dolphins of the Indian River Lagoon: Sentinels of Estuary Health. Topics included: 1) Indian River Lagoon Bottlenose Dolphins - Mortality events in 2001, 2008 and 2013; 2) Threats to the population; 3) Dolphin Project - Two-year Grant from National Estuary Program, 4) Project Goals, and, 5) Education and Outreach efforts.

Discussion ensued. The Committee's questions were answered by Ms. Stolen.

b. The Fast and the Furriest: Otters of the Lagoon Watershed – Megan Stolen, Research Scientist II, Hubbs SeaWorld Research Institute

Megan Stolen gave a power point presentation, entitled, The Fast and the Furriest: Otters of the Lagoon Watershed. Topics included: 1) Hubbs SeaWorld Research Institute Indian River Lagoon Otter Program, 2) Live otter sightings 2016 to date; 2) Study areas covering 7 areas on the east coast of Florida; 3) Otter Spotter Citizen Science Sighting Network; 4) Urban and non-developed area sightings; 5) Vehicle strike, alligator bite and crab trap mortality; 6) Sample collection data; and, 7) Toxicology and health data derived from roadkill carcasses.

Discussion ensued. The Committee's questions were answered by Ms. Stolen.

c. Environmental Modeling of Muck Dredging Benefits – Dr. Gary Zarillo, Professor, Ocean Engineering and Marine Sciences, Florida Institute of Technology

Dr. Zarillo gave a power point presentation entitled Environmental Modeling of Muck Dredging Benefits. Topics included: 1) Project Goals, Integrated Hydrologic Water Quality, Assessment and Forecasting; 2) Modeling platforms guided by data; 3) Model Components; 4) Water Quality Model State Variables; 5) Model Validation; 6) Observed and Model Water Quality Data – Turkey Creek Basin; and, 7) Overview of Muck Dredging Zones Prioritized for Study - Turkey Creek Muck Zone, Eau Gallie Muck Zone NE, Grand Canal Muck Zone, Cocoa Beach Muck Zones: Phases 1, 2 and 3; Sykes Creek Muck Zone, and Mims Muck Zone; and 8) Next Steps.

Save Our Indian River Lagoon Citizen Oversight Committee Meeting
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Discussion ensued. The Committee's questions were answered by Dr. Zarillo and Virginia Barker.

d. Water Quality Monitoring Data – Virginia Barker, Director

Virginia Barker shared updated Water Quality Monitoring Data Graphs. Topics included: 1) Turbidity data comparison pre-dredging to post dredging in the Indian River Lagoon East of Turkey Creek, East of Eau Gallie River, and South of Melbourne Causeway; 2) Update on the Current Cyanobium Bloom; and, 3) Impacts on the Indian River Lagoon waterways.

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

e. Project Video – Offline Stormwater Treatment

The project video, Offline Stormwater Treatment, was shown. The stormwater project is located on Jackson Avenue in Satellite Beach.

VII. Old Business

None.

VIII. New Business

None.

IX. General Public Comment

Public Comments were heard.

X. Final Comments by Chair and Committee Members

Final Comments by Charles Venuto, Laurilee Thompson, Terry Casto, Todd Swingle, Courtney Barker, and Lorraine Koss were heard.

Vinnie Taranto moved to extend the meeting for fifteen minutes; Seconded by Courtney Barker. Motion was unanimously approved.

Courtney Barker moved to extend the meeting for fifteen minutes; Seconded by Vinnie Taranto. Motion was unanimously approved

a. Meeting format – Governor DeSantis' Executive Order 20-246 authorized the use of virtual meetings for local government bodies through October 31, 2020. Starting November 1, at least a quorum must meet in person.

It was noted that Governor DeSantis' Executive Order 20-246 authorized the use of virtual meetings for local government bodies through October 31, 2020.

Virginia Barker explained that starting November 1st, public meetings must have at least a quorum of the Committee present in person; However, the County could support a hybrid type meeting if the Committee wanted to come up with some way to ensure that a quorum is present in person. Discussion ensued.

Save Our Indian River Lagoon Citizen Oversight Committee Meeting
MINUTES – October 16, 2020

The Committee's questions were answered by Virginia Barker.

After further discussion, it was determined that a hybrid type meeting would be held with a quorum of the Committee present in person. Virginia Barker mentioned that others could attend via zoom and a link will be made available to the public.

XI. Adjournment



Save Our Indian River Lagoon Project Plan November 2020 Progress Report

WORK COMPLETED THIS MONTH:

- Cocoa Beach Water Reclamation Facility Upgrade complete
- Osprey Wastewater Treatment Facility Upgrades bid advertised
- Plumbers - Selection Committee pre-qualified 2 contractors for direct pay from the County
- South Central F sewer force main installed with one homeowner connection application pending
- Indialantic Basin 5 Dry Retention project complete
- Stormwater Basins 1304 and 51 are finished with construction; 51 is still awaiting final walk through
- Draa Field Vegetation Harvesting project bid advertised
- Draa Field Pond Managed Aquatic Plant Systems contracted
- Osprey Pond Managed Aquatic Plant Systems contracted
- Grand Canal Muck Dredging –Dredging is active; Army Corps shortened manatee closure period
- Cocoa Beach Golf Muck Project – City contracted design consultant and is holding a kick-off meeting
- Eau Gallie Northeast Muck Project –Survey to cross Intercoastal Waterway completed for Army Corps
- Brevard Zoo built 3,120 square feet of oyster bar along in the North IRL
- University of Central Florida monitoring - live oyster densities increased 2.3 to 9.1 times at the 3 sites monitored. At 3 planted shorelines, survival of red mangroves was 58%, 86% and 92%. Survival of *S. bakeri* at 3 sites was 39%, 41% and 57%. At the more protected site, new cordgrass shoots were noted.
- Grass Clippings Outreach contract was executed for fiscal year 20/21
- Video Production – Kimberly Newton's My Lagoon Story completed
- Derelict Vessels – 2 additional derelict vessels were removed

WORK UNDERWAY THIS MONTH:

- Revenue forecasts were revised twice following arrival of July and August collections
- 24 new project funding applications were reviewed for consistency with program parameters
- Beaches Leaking Sewer Laterals – 28 repairs complete; 9 reimbursements processed to date
- Developing an online grant application portal for septic upgrades, sewer connections and repairs
- Cone Road Septic-to-Sewer Phase 2 – 46 properties connected
- Sykes Creek N Septic-to-Sewer – Task Order executed to design vacuum sewer
- Sykes Creek M & T Septic-to-Sewer – Starting property appraisals for lift station lots
- South Central C Septic-to-Sewer – Public Work reviewing revised plans for right-of-way permits
- Grant Farm Island Distributed Wastewater Treatment Project – Outreach to property owners
- Septic Upgrades – 160 applications approved; 54 in progress; 7 reimbursements completed
- Septic Load Estimation for all parcels county-wide is underway to support pro-rated grant options
- Stormwater Basins 22, 100, and 1298 – Are under construction
- More detailed survey for Kingsmill-Aurora Phase II has begun
- Huntington Pond design changes are underway
- Johns Rd & Flounder Creek engineering cost estimates have been sent to PW for review
- Thrush Drive - Baffle Box permits received
- Sherwood Park Stormwater Project - construction underway
- Cocoa Beach Phase IIb Muck Dredging – Dredging is approximately 65% complete
- Sykes Creek Phase I Muck Dredging – met with contractor about 3rd request for additional information



PRESENTATIONS THIS MONTH:

November 7 – [Lagoon Loyal Event at Boater's Exchange](#) – Brandon and Matt

November 14 – Indian River Lagoon Day at Front Street Park – Brandon

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

November 14 – Indian River Lagoon Day at Front Street Park 10:00 am – 2:00 pm

December 10 – [Marine Resources Council Lunch and Learn Webinar:](#) North Atlantic Whale Update

Ongoing - [Marine Resources Council 3rd-6th grade Virtual Learning](#)

November 21 – Merritt Island National Wildlife Refuge Hikes – [Email Micah Thomas](#)

February 18 & 19 – [Indian River Lagoon Symposium Call for Presenters](#)

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

Brevard Zoo – [Teacher Drive Thru Adopt-A-Mangrove](#) – November 16

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](#)

Merritt Island National Wildlife Refuge Trash Cleanups Tuesday & Saturdays – [Email Micah Thomas](#)

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:

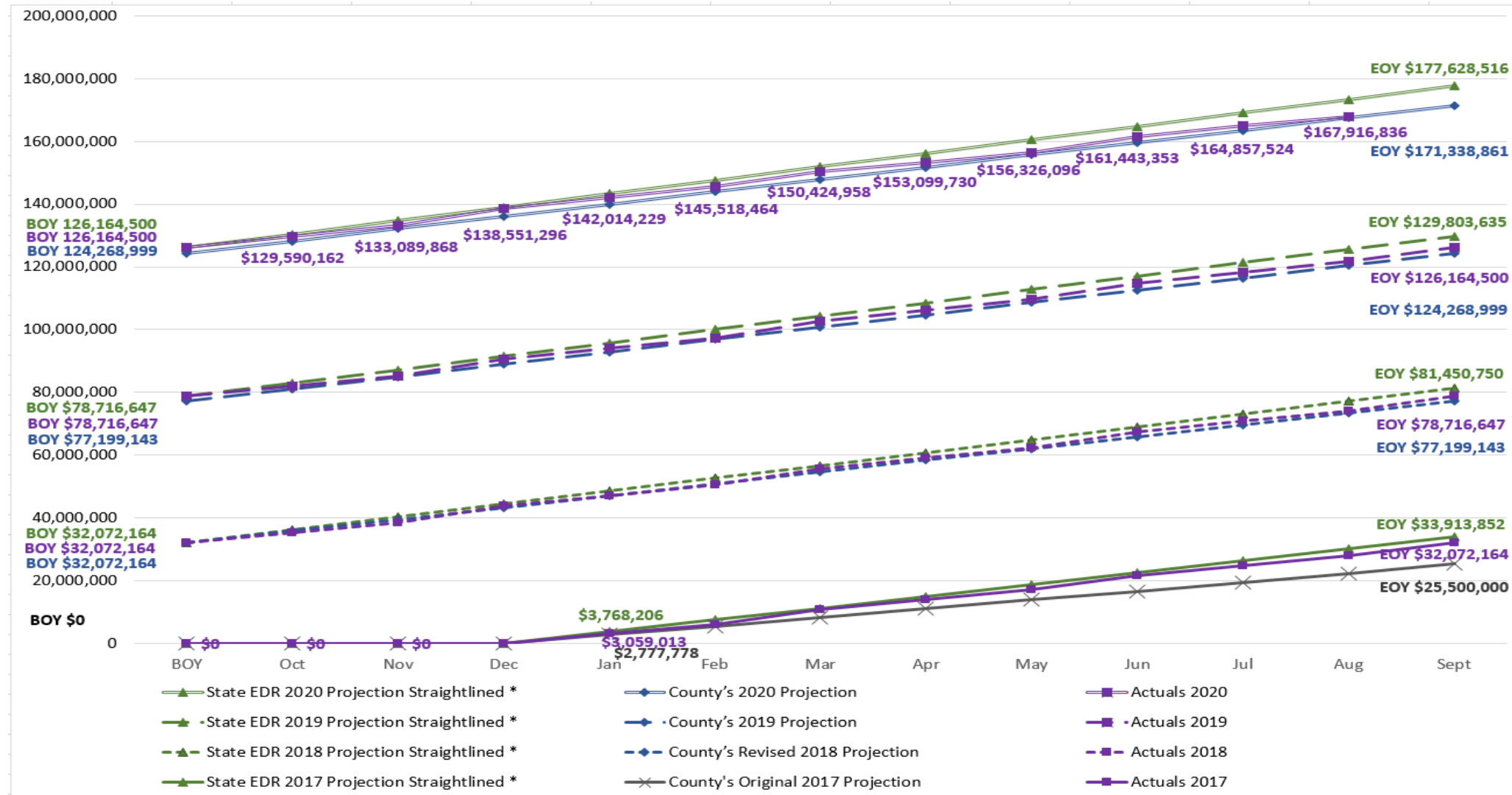
1. Wastewater Utility Asset Management Planning – Todd Swingle
2. Re-use/Reclaimed Water – Nutrient Loading Impacts and Opportunities
3. Surface Water Remediation – Phosphorus Free, S.W.I.G., D.T.G., Chemical Tech, HABITATS
4. New Enhanced Ocean Inflow Research – Florida Tech Research Initiative
5. Completed and Ongoing Muck Research – Florida Tech Research Initiative
6. Indian River Lagoon Research News: TechCon, Shore, and Harbor Branch Symposium Highlights
7. Water Technology Conference/Industry Day – Economic Development and National Estuary Program
8. Coordinating Spoil Management with Florida Inland Navigation District
9. Pollution and Algal Bloom Mapping via Satellite Imagery Interpretation - Gybe
10. Lagoon Fish and Fisheries Research – Dr. Grant Gilmore
11. Lagoon projects managed and funded by other agencies, entities or grant programs
12. Climate change impacts to the Lagoon – Randy Parkinson
13. Low Impact Development – Local examples
14. Project Monitoring Results
15. Package Plants

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
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- 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 2020 Projection Straightlined *	County's 2020 Projection	Actuals 2020	State EDR 2019 Projection Straightlined *	County's 2019 Projection	Actuals 2019	State EDR 2018 Projection Straightlined *	County's Revised 2018 Projection	Actuals 2018
BOY	126,164,500	124,268,999	126,164,500	\$78,716,647	\$77,199,143	\$78,716,647	\$32,072,164	\$32,072,164	\$32,072,164
Oct	130,453,168	128,191,487	\$129,590,162	\$82,973,896	\$81,121,631	\$81,926,390	\$36,187,046	\$35,832,746	\$35,300,032
Nov	134,741,836	132,113,976	\$133,089,868	\$87,231,145	\$85,044,119	\$85,225,970	\$40,301,929	\$39,593,327	\$38,647,632
Dec	139,030,504	136,036,464	\$138,551,296	\$91,488,394	\$88,966,607	\$90,640,944	\$44,416,811	\$43,353,909	\$43,870,270
Jan	143,319,172	139,958,953	\$142,014,229	\$95,745,643	\$92,889,095	\$93,950,291	\$48,531,693	\$47,114,490	\$47,150,412
Feb	147,607,840	143,881,441	\$145,518,464	\$100,002,892	\$96,811,583	\$97,296,142	\$52,646,575	\$50,875,072	\$50,484,322
Mar	151,896,508	147,803,930	\$150,424,958	\$104,260,141	\$100,734,071	\$102,671,360	\$56,761,457	\$54,635,653	\$55,782,660
Apr	156,185,176	151,726,418	\$153,099,730	\$108,517,390	\$104,656,559	\$106,219,161	\$60,876,340	\$58,396,235	\$59,191,675
May	160,473,844	155,648,907	\$157,972,378	\$112,774,639	\$108,579,047	\$109,784,828	\$64,991,222	\$62,156,817	\$62,444,639
Jun	164,762,512	159,571,395	\$161,443,353	\$117,031,888	\$112,501,535	\$114,720,850	\$69,106,104	\$65,917,398	\$67,409,450
Jul	169,051,180	163,493,884	\$164,857,524	\$121,289,137	\$116,424,023	\$118,207,520	\$73,220,986	\$69,677,980	\$70,776,206
Aug	173,339,848	167,416,372	\$167,916,836	\$125,546,386	\$120,346,511	\$121,640,336	\$77,335,868	\$73,438,561	\$74,021,947
Sept	177,628,516	171,338,861		\$129,803,635	\$124,268,999	\$126,164,500	\$81,450,750	\$77,199,143	\$78,716,647

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

Month	State EDR 2017 Projection Straightlined *	County's Original 2017 Projection	Actuals 2017
BOY	zero	zero	zero
Oct	zero	zero	zero
Nov	zero	zero	zero
Dec	0	0	0
Jan	\$3,768,206	\$2,777,778	\$3,059,013
Feb	\$7,536,412	\$5,555,556	\$6,217,230
Mar	\$11,304,617	\$8,333,334	\$10,686,395
Apr	\$15,072,823	\$11,111,112	\$13,941,510
May	\$18,841,029	\$13,888,890	\$17,177,137
Jun	\$22,609,235	\$16,666,668	\$21,754,009
Jul	\$26,377,441	\$19,444,446	\$24,898,729
Aug	\$30,145,647	\$22,222,224	\$27,890,034
Sept	\$33,913,852	\$25,500,000	\$32,072,164

Save Our Indian River Lagoon - FY 2020

Quarterly Financial Statement

Date Range 12 August 2020 - 03 November 2020

Fund 1260

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

Revenues	Budget	Total Assigned YTD*	% Earned
Taxes	\$ 47,069,862	\$ 41,722,335	88.64%
Interest Earned	\$ 2,159,457	\$ 2,331,170	107.95%
Other Int Earnings	\$ 2,063	\$ -	
Refund of Prior Year Earnings	\$ -	\$ 7,353	
Internal Governmental Revenue	\$ -	\$ 203	
Federal Grants Hurricane Irma	\$ 1,357,269	\$ -	
State Grants Hurricane Irma	\$ 226,212	\$ -	
Other Federal Grants	\$ 2,247,235	\$ -	
Other State Grants	\$ -	\$ -	
Tourism Development Council Grants	\$ 176,234	\$ 23,900	13.56%
Cost Sharing	\$ 263,158	\$ 250,000	95.00%
Statutory Reduction	\$ (2,675,076)	\$ -	
Balance Forward	\$ 120,519,494	\$ 120,519,494	100.00%
Total	\$ 171,345,908	\$ 164,854,455	96.21%

Expenditures (Roll-Up)	Budget	Total Assigned YTD*	Actuals
Compensation & Benefits	\$ 471,918	\$ 423,623	\$ 423,623
Operating Expenses	\$ 510,328	\$ 325,118	\$ 180,846
Capital Outlay	\$ 27,500	\$ 26,330	\$ 26,330
Transfers	\$ -	\$ -	\$ -
SOIRL Projects funded under Operating Expenses	\$ 4,332,642	\$ 1,220,236	\$ 951,797
SOIRL Projects funded under Capital Improvement	\$ 56,408,596	\$ 10,510,876	\$ 2,746,512
SOIRL Projects funded under Aid to Gov't Agencies	\$ 38,195,351	\$ 12,041,252	\$ 5,587,880
SOIRL Projects funded under Aid to Private Organizations	\$ 8,311,409	\$ 922,568	\$ 468,152
Contingency	\$ 7,807,408	\$ -	\$ -
Reserves for Cash Forward	\$ 3,975,739	\$ -	\$ -
Reserves	\$ 51,305,017	\$ -	\$ -
Total	\$ 171,345,908	\$ 25,470,003	\$ 10,385,140

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Project Title SOIRL Projects funded under Operating Expenses	Budget	Total Assigned YTD*	Actuals
Project Monitoring (Respond), CM's: 3959, 3971, 3972, 3979, 3987, 4047, 4101, 4265, 4298, 4639, 4641, 4642, 4653, 4654, 4658, 4677, 4843, 4901, 4972, 4988	\$ 2,657,672	\$ 992,404	\$ 734,338
Community Awareness Initiatives, CM's: 4678, 4679, 4782, 4783, 4784, 4805, 4806, 4814, 4929	\$ 58,544	\$ 19,857	\$ 10,737
Fertilizer Management Public Education, CM: 4359, 4550	\$ 88,412	\$ 50,000	\$ 49,477
Grass Clippings Public Education, CM-3969	\$ 41,972	\$ -	\$ -
Septic System Maintenance Public Education, CM: 4359, 4450	\$ 99,649	\$ 49,975	\$ 49,245
Septic Quick Connects-BRL	\$ 101,702	\$ -	\$ -
Septic Quick Connects-NIRL	\$ 315,719	\$ -	\$ -
Septic Quick Connects-CIRL	\$ 87,630	\$ -	\$ -
Septic Upgrades-BRL-45 Upgrades	\$ 53,781	\$ -	\$ -
Septic Upgrades-NIRL-45 Upgrades	\$ 437,561	\$ 108,000	\$ 108,000
Septic Upgrades-CIRL- 45 Upgrades	\$ 390,000	\$ -	\$ -
<i>SOIRL Projects funded under Operating Expenses Subtotal</i>	<i>\$ 4,332,642</i>	<i>\$ 1,220,236</i>	<i>\$ 951,797</i>

Project Title SOIRL Projects funded under Capital Improvement	Budget	Total Assigned YTD*	Actuals
Barefoot Bay Lateral Smoke Testing	\$ 95,946	\$ -	\$ -
South Beaches Lateral Smoke Testing	\$ 213,212	\$ -	\$ -
Merritt Island Lateral Smoke Testing	\$ 266,515	\$ -	\$ -
Septic Removal-BRL-Sykes Creek M, CM: 3838, 4368	\$ 1,845,445	\$ 134,400	\$ 11,200
Septic Removal-BRL-Sykes Creek N, CM 3830	\$ 2,324,644	\$ 17,927	\$ 8,477
Septic Removal-BRL-Sykes Creek T, CM: 3839, 4637	\$ 5,105,298	\$ 126,000	\$ 16,700
Septic Removal-NIRL-South Central C, CM 3840	\$ 4,482,271	\$ 232,837	\$ 13,065
Septic Removal-NIRL-South Beaches O	\$ 142,306	\$ -	\$ -
Septic Removal-NIRL-South Beaches P	\$ 533,646	\$ -	\$ -
Septic Removal-CIRL-Micco Sewer Line Extension CM: 3678, 3831	\$ 1,811,305	\$ 64,068	\$ 30,446
Stormwater Projects-BRL-Basin 388 Denitrification-unfunded	\$ 100,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 476 Denitrification-unfunded	\$ 100,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 650 Denitrification-unfunded	\$ 125,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 815 Denitrification-unfunded	\$ 100,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 901 Denitrification-unfunded	\$ 150,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 963 Denitrification-unfunded	\$ 150,000	\$ -	\$ -

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Project Title SOIRL Projects funded under Capital Improvement	Budget	Total Assigned YTD*	Actuals
Stormwater Projects-BRL-Basin 973 Denitrification-unfunded	\$ 175,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 989 Denitrification-unfunded	\$ 90,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 992 Denitrification-unfunded	\$ 100,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 1304 Denitrification-replaced	\$ 100,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 1304 Seagull Bioreactor	\$ 92,925	\$ 36,358	\$ -
Stormwater Projects-BRL-Projects	\$ 1,014,566	\$ -	\$ -
Stormwater Projects-BRL-Basin 1317 Denitrification-unfunded	\$ 125,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 1329 Denitrification	\$ 100,000	\$ 63,363	\$ -
Stormwater Projects-BRL-Basin 1343 Denitrification-unfunded	\$ 100,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 1349 Denitrification	\$ 339,318	\$ -	\$ -
Stormwater Projects-BRL-Basin 1350 Denitrification-unfunded	\$ 100,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 1368 Denitrification-unfunded	\$ 125,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 1399 Denitrification-unfunded	\$ 125,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 1366 Denitrification-unfunded	\$ 100,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 1409 Denitrification	\$ 115,890	\$ -	\$ -
Stormwater Projects-BRL-Basin 1416 Denitrification-unfunded	\$ 150,000	\$ 150,000	\$ -
Stormwater Projects-BRL-Basin 1419 Denitrification-unfunded	\$ 125,000	\$ 125,000	\$ -
Stormwater Projects-BRL-Basin 1434 Denitrification-unfunded	\$ 125,000	\$ 125,000	\$ -
Stormwater Projects-BRL-Basin 1439 Denitrification-unfunded	\$ 175,000	\$ 175,000	\$ -
Stormwater Projects-BRL-Basin 1445 Denitrification-unfunded	\$ 175,000	\$ -	\$ -
Stormwater Projects-NIRL-Kingsmill-Aurora Phase II	\$ 367,488	\$ -	\$ -
Stormwater Projects-NIRL-County Wide Pond Harvesting	\$ 14,925	\$ -	\$ -
Stormwater Projects-NIRL-Huntington Pond Denitrification, CM 4015	\$ 95,647	\$ -	\$ -
Stormwater Projects-NIRL-Basin 51 Johns Road Pond Retrofit	\$ 23,779	\$ 23,030	\$ -
Stormwater Projects-NIRL-Basin 10 County Line Road Bioreactor	\$ 77,581	\$ 72,773	\$ 72,874
Stormwater Projects-NIRL-Flounder Creek Pond	\$ 55,406	\$ -	\$ -

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Project Title SOIRL Projects funded under Capital Improvement Cont'd	Budget	Total Assigned YTD*	Actuals
Stormwater Projects-NIRL-Basin 100 Burkholm Rd Denitrification	\$ 66,483	\$ 64,390	\$ -
Stormwater Projects-NIRL-Basin 26 Sunset Road Serenity Park Bioreactor	\$78,686	\$ -	\$ -
Stormwater Projects-NIRL-John Roads Pond, CM 3906	\$ 82,020	\$ 5,773	\$ 3,738
Stormwater Projects-NIRL-Basin 115 Carter Rd Denitrification	\$ 64,542	\$ 62,509	\$ 58,262
Stormwater Projects-NIRL-Basin 141 Irwin Avenue Woodchip Bioreactor	\$73,744	\$ -	\$ -
Stormwater Projects-NIRL-Basin 193 Wiley Road Denitrification	\$ 85,424	\$ 82,735	\$ -
Stormwater Projects-NIRL-Basin 22 Hunting Road Serenity Park Bioreactor	\$42,725	\$ -	\$ -
Stormwater Projects-NIRL-Basin 832 Broadway Pond Denitrification	\$ 44,258	\$ 42,864	\$ 42,864
Stormwater Projects-NIRL-Projects	\$ 1,093,774	\$ -	\$ -
Stormwater Projects-NIRL-Basin 408 Denitrification-unfunded	\$ 125,000	\$ -	\$ -
Stormwater Projects-NIRL-Basin 454 Denitrification-unfunded	\$ 150,000	\$ -	\$ -
Stormwater Projects-NIRL-Basin 626 Denitrification-unfunded	\$ 150,000	\$ -	\$ -
Stormwater Projects-NIRL-Basin 1077 Denitrification-unfunded	\$ 150,000	\$ -	\$ -
Stormwater Projects-NIRL-Basin 1078 Denitrification-unfunded	\$ 125,000	\$ -	\$ -
Stormwater Projects-NIRL-Basin 1151 Denitrification-unfunded	\$ 125,000	\$ -	\$ -
Stormwater Projects-NIRL-Basin 1256 Denitrification-unfunded	\$ 150,000	\$ -	\$ -
Stormwater Projects-NIRL-Basin 1273 Denitrification-unfunded	\$ 175,000	\$ -	\$ -
Stormwater Projects-NIRL-Basin 1298 Denitrification-unfunded	\$ 175,000	\$ -	\$ -
Stormwater Projects-NIRL-Basin 1289 Bioreactor	\$ 89,000	\$ 24,664	\$ -
Stormwater Projects-NIRL-Basin 1301 Denitrification-unfunded	\$ 125,000	\$ -	\$ -
Stormwater Projects-NIRL-Basin 1324 Denitrification-unfunded	\$ 150,000	\$ -	\$ -
Stormwater Projects-NIRL-Basin 1335 Denitrification-unfunded	\$ 292,400	\$ -	\$ -
Stormwater Projects-NIRL-Basin 1342 Denitrification-unfunded	\$ 125,000	\$ -	\$ -

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Project Title SOIRL Projects funded under Capital Improvement Cont'd	Budget	Total Assigned YTD*	Actuals
Stormwater Projects-NIRL-Basin 1367 Denitrification-unfunded	\$ 100,000	\$ -	\$ -
Stormwater Projects-NIRL-Basin 1377 Denitrification-unfunded	\$ 125,000	\$ -	\$ -
Stormwater Projects-CIRL-Basin 2134 Fleming Grant	\$ 58,428	\$ 56,588	\$ 56,689
Stormwater Projects-CIRL-Basin 2258 Babcock Road Bioreactor	\$ 53,520	\$ -	\$ -
Stormwater Projects-CIRL-Projects	\$ 434,418	\$ -	\$ -
Stormwater Projects-CIRL-Basin 1562 Denitrification-unfunded	\$ 275,000	\$ -	\$ -
Stormwater Projects-CIRL-Basin 1762 Denitrification-unfunded	\$ 225,000	\$ -	\$ -
Muck Removal-BRL-Merritt Island Canals Muck Dredging	\$ 7,984,857	\$ -	\$ -
Muck Removal-BRL-Sykes Creek Muck Dredging, CM 4792	\$ 6,390,742	\$ 1,087,173	\$ 1,064,428
Muck Removal-NIRL-Grand Canal Muck Dredging, CM 4902	\$ 7,388,362	\$ 6,919,001	\$ 793,434
Muck Removal-NIRL-Eau Gallie Muck Dredging	\$ 5,288,852	\$ -	\$ -
Muck Removal-NIRL-Titusville East Muck Dredging, CM 4056, 4808	\$ 329,115	\$ 140,603	\$ 53,221
Muck Removal-NIRL-Titusville West Muck Dredging, CM 4807	\$ 320,624	\$ 134,757	\$ 91,146
Muck Removal-NIRL-National Aeronautics and Space Administration East Muck Dredging, CM 4803	\$ 551,107	\$ 180,851	\$ 137,935
Muck Removal-NIRL-Rockledge A Muck Dredging, CM 4802	\$ 213,211	\$ 213,211	\$ 142,034
Oyster Living Shoreline-BRL-Brevard	\$ 47,350	\$ -	\$ -
Oyster Living Shoreline-BRL-27,612 Square Feet Oysters	\$ 429,427	\$ -	\$ -
Oyster Living Shoreline-NIRL	\$ 479,411	\$ -	\$ -
Oyster Living Shoreline-CIRL	\$ 93,003	\$ -	\$ -
Oyster Living Shoreline-County Wide Oyster Gardening, CM 3139, 3140	\$ 150,000	\$ 150,000	\$ 150,000
<i>SOIRL Projects funded under Capital Improvement Subtotal</i>	<i>\$ 56,408,596</i>	<i>\$ 10,510,876</i>	<i>\$ 2,746,512</i>

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Project Title SOIRL Projects funded under Aid to Gov't Agencies	Budget	Total Assigned YTD*	Actuals
Waste Water Treatment Facility Upgrades-BRL-Cocoa Beach, CM 4444	\$ 1,015,361	\$ 1,015,361	\$ 945,000
Waste Water Treatment Facility Upgrades-NIRL-Titusville Osprey, CM: 3627, 4789	\$ 641,765	\$ 641,000	\$ 368,863
Waste Water Treatment Upgrade-CIRL-Palm Bay, CM 3934	\$ 3,678,410	\$ 1,249,116	\$ 194,310
Waste Water Treatment -CIRL-Melbourne Grant Street, CM 4630	\$ 7,217,668	\$ -	\$ -
Sewer Lateral Pilot Project - Titusville Osprey	\$ 206,500	\$ -	\$ -
Septic to Sewer-NIRL-MIRA	\$ 303,976	\$ 134,517	\$ 102,016
Septic to Sewer-CIRL-Melbourne-Riverside Drive, CM 4446	\$ 259,080	\$ 115,820	\$ -
Septic Removal-NIRL-Cocoa K	\$ 1,240,437	\$ -	\$ -
Septic to Sewer-NIRL-West Melbourne-Roxy Avenue, CM 4788	\$ 91,835	\$ -	\$ -
Septic to Sewer-NIRL-Cocoa J	\$ 3,344,184	\$ -	\$ -
Septic to Sewer-NIRL-Rockledge	\$ 533,646	\$ -	\$ -
Septic to Sewer-NIRL-Titusville A-G-Private Reimbursements	\$ 1,280,751	\$ -	\$ -
Septic Removal-CIRL-Melbourne-Hoag Sewer Conversion, CM 3932	\$ 72,512	\$ 72,511	\$ -
Septic Removal-CIRL-Melbourne-Penwood Sewer Conversion, CM 3789	\$ 23,558	\$ 23,558	\$ -
Septic to Sewer-CIRL-West Melbourne-Sylvan Estates, CM 3985	\$ 1,455,171	\$ 867,881	\$ 658,513
Stormwater Projects-BRL-Cape Canaveral Projects-Cape Shores Swale	\$ 2,746	\$ -	\$ -
Stormwater Projects-BRL-Cape Canaveral Projects-Justamere Road Swale	\$ 528	\$ -	\$ -
Stormwater Projects-BRL-Cape Canaveral Projects-Hitching Post Berms Swale	\$ 2,552	\$ -	\$ -
Stormwater Project-BRL-Indian Harbour Beach-Gleason Park Reuse, CM 3751, Completed	\$ 7,000	\$ -	\$ -
Stormwater Project-BRL-Indian Harbour Beach-Big Muddy Baffle Box	\$ 68,372	\$ 67,532	\$ 9,388
Stormwater Project-BRL-Satellite Beach-Jackson Court	\$ 8,813	\$ -	\$ -
Stormwater Project-NIRL-Cocoa-Church St Type II Baffle Box, CM 4169, Complete	\$ 81,089	\$ 67,189	\$ 67,189
Stormwater Project-NIRL-Cocoa-Floating Wetlands	\$ 1,596	\$ -	\$ -
Stormwater Project-NIRL-Cocoa-Diamond Square Pond	\$ 11,069	\$ -	\$ -
Stormwater Project-NIRL-Cocoa-Forrest Avenue Outfall	\$ 14,878	\$ -	\$ -
Stormwater Projects-NIRL-Titusville-St Teresa Basin, CM 3929, Complete	\$ 286,700	\$ 272,800	\$ 272,800
Stormwater Projects-NIRL-Titusville High School Baffle Box, CM 4449	\$ 115,447	\$ 111,813	\$ -

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Project Title SOIRL Projects funded under Aid to Gov't Agencies Cont'd	Budget	Total Assigned YTD*	Actuals
Stormwater Projects-NIRL-Titusville-Draa Field Vegetation Harvesting, CM 4839	\$ 53,303	\$ -	\$ -
Stormwater Projects-NIRL-Titusville-South Street Basin, CM 3908, Complete	\$ 125,125	\$ 86,856	\$ 86,856
Stormwater Projects-NIRL-Titusville-Coleman Pond Managed Aquatic Plant System, CM 4448	\$ 36,138	\$ 35,000	\$ 11,438
Stormwater Projects-NIRL-Titusville-Osprey Plant Managed Aquatic Plant Systems, CM 4837	\$ 63,964	\$ -	\$ -
Stormwater Projects-NIRL-Titusville-La Paloma Basin, CM 3933, Complete	\$ 222,196	\$ 208,296	\$ 208,296
Stormwater Projects-NIRL-Titusville-Draa Pond Managed Aquatic Plant Systems, CM 4838	\$ 33,348	\$ -	\$ -
Stormwater Projects-NIRL-Melbourne-Cliff Creek Baffle Box, CM 3931	\$ 347,781	\$ 347,781	\$ -
Stormwater Projects-CIRL-Melbourne-Apollo/GA Baffle Box	\$ 307,191	\$ -	\$ -
Stormwater Projects-NIRL-Melbourne-Thrush Drive Baffle Box, CM 3930	\$ 322,200	\$ 322,200	\$ -
Stormwater Projects-NIRL-Melbourne-Cherry Street Baffle Box	\$ 95,114	\$ -	\$ -
Stormwater Projects-CIRL-Melbourne-Stewart Rd Dry Retrofit	\$ 18,354	\$ -	\$ -
Stormwater Projects-CIRL-Melbourne-Spring Creek Baffle Box	\$ 102,587	\$ -	\$ -
Stormwater Projects-CIRL-Melbourne-Basin 5 Dry Retention, CM 4820	\$ 17,782	\$ -	\$ -
Stormwater Projects-CIRL-Melbourne-Grant Place Baffle Box	\$ 85,162	\$ -	\$ -
Stormwater Projects-CIRL-Melbourne-Ray Bullard Stormwater Management Area	\$ 4,645,448	\$ -	\$ -
Stormwater Projects-CIRL-St. Johns River Water Management District-Crane Creek M-1 Canal Flow Restoration, CM 4445	\$ 2,034,099	\$ 515,524	\$ 34,051
Stormwater Projects-CIRL-Melbourne-Espanola Baffle Box	\$ 108,605	\$ -	\$ -
Stormwater Grant Projects to be assigned	\$ 52,031	\$ -	\$ -
Muck Removal-BLR-Cocoa Beach Phase III Muck Dredging & Interstitial CM-3986 Complete	\$ 352,917	\$ 308,187	\$ 308,187
Muck Removal-BLR-Cocoa Beach Phase II-B Muck Dredging, CM 4453	\$ 5,969,208	\$ 5,578,310	\$ 2,320,973
Muck Removal-BLR-Indian Harbour Beach Muck Dredging & Interstitial	\$ 533,029	\$ -	\$ -

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Project Title SOIRL Projects funded under Aid to Gov't Agencies Cont'd	Budget	Total Assigned YTD*	Actuals
Muck Removal-BLR-Satellite Beach Muck Dredging	\$ 533,029	\$ -	\$ -
Oyster/Living Shorelines-BRL-Cocoa Beach-McNabb	\$ 37,486	\$ -	\$ -
Oyster/Living Shorelines-NIRL-Melbourne-Riverview Park	\$ 108,790	\$ -	\$ -
Plants/Living Shorelines-BRL-Cocoa Beach-McNabb	\$ 6,340	\$ -	\$ -
Plants/Living Shorelines-NIRL-Melbourne-Riverview Park	\$ 18,480	\$ -	\$ -
<i>SOIRL Projects funded under Aid to Gov't Agencies Subtotal</i>	<i>\$ 38,195,351</i>	<i>\$ 12,041,252</i>	<i>\$ 5,587,880</i>

Project Title SOIRL Projects funded under Aid to Private Organizations	Budget	Total Assigned YTD*	Actuals
Sewer Laterals Pilot Project - Satellite Beach	\$ 840,000	\$ 4,228	\$ 4,228
Septic Quick Connects-BRL-Private Reimbursements	\$ 101,702	\$ -	\$ -
Septic Quick Connects-NIRL-Private Reimbursements	\$ 315,728	\$ -	\$ -
Septic to Sewer-NIRL-South Beaches A-Private Reimbursements	\$ 54,000	\$ 18,000	\$ 18,000
Septic Quick Connects-CIRL-Private Reimbursements	\$ 183,575	\$ -	\$ -
Septic Upgrades-BRL-45 Upgrades-Private Reimbursements	\$ 360,000	\$ -	\$ -
Septic Upgrades-NIRL-45 Upgrades-Private Reimbursements	\$ 360,000	\$ 68,100	\$ 68,100
Septic Upgrades-CIRL- 45 Upgrades-Private Reimbursements CM 4810	\$ 360,000	\$ 34,485	\$ 34,485
Septic Removal-BRL-Sykes Creek M-Private Reimbursements	\$ 423,936	\$ -	\$ -
Septic Removal-BRL-Sykes Creek N-Private Reimbursements	\$ 216,000	\$ -	\$ -
Septic Removal-BRL-Sykes Creek T-Private Reimbursements	\$ 1,091,936	\$ -	\$ -
Septic Removal-NIRL-South Central C	\$ 250,000	\$ -	\$ -
Septic Removal-CIRL-Micco Sewer Line Extension-Private Reimbursements	\$ 310,000	\$ -	\$ -
Septic Removal-CIRL-Micco Sewer Line Extension Phase II	\$ 756,629	\$ -	\$ -
Muck Removal-BLR-Cocoa Beach Golf Muck Dredging	\$ 533,029	\$ -	\$ -
Oyster/Living Shorelines-BRL-Zoo-Indian Harbour Beach-Marina Isles, CM 4656, Complete	\$ 26,700	\$ 26,700	\$ 26,700
Oyster/Living Shorelines-BRL-Zoo-Banana River	\$ 601,968	\$ -	\$ -
Oyster/Living Shorelines-BRL-Zoo-Banana River Oyster Project 2	\$ 282,292	\$ -	\$ -
Oyster/Living Shorelines-BRL-Zoo-Oyster Reef Adjustment	\$ 13,646	\$ -	\$ -
Oyster/Living Shorelines-NIRL-Zoo-North IRL	\$ 352,372	\$ 342,144	\$ 164,994
Oyster/Living Shorelines-NIRL-Zoo-North IRL Oyster Project 2, CM4996	\$ 358,622	\$ -	\$ -
Oyster/Living Shorelines-NIRL-Zoo-Oyster Reef Adjustment	\$ 28,997	\$ -	\$ -

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Project Title SOIRL Projects funded under Aid to Private Organizations	Budget	Total Assigned YTD*	Actuals
Oyster/Living Shorelines-NIRL-Coconut Point complete	\$ 45,120	\$ 45,120	\$ 45,120
Oyster/Living Shorelines-CIRL-Zoo-Melbourne Beach- Wexford	\$ 31,150	\$ -	\$ -
Oyster/Living Shorelines-CIRL-Zoo-Central IRL, CM 4452	\$ 98,069	\$ 92,831	\$ 61,236
Oyster/Living Shorelines-CIRL-Zoo-Central IRL Oyster Project 2	\$ 288,689	\$ 270,800	\$ 34,969
Plants/Living Shorelines-BRL-Zoo-Banana River	\$ 3,221	\$ -	\$ -
Plants/Living Shorelines-BRL-Zoo-Banana River Plant Project 2	\$ 512	\$ -	\$ -
Plants/Living Shorelines-NIRL-Zoo-North IRL complete	\$ 743	\$ 720	\$ 720
Plants/Living Shorelines-NIRL-Zoo-North IRL Plant Project 2, CM 4823	\$ 10,490	\$ 9,840	\$ -
Plants/Living Shorelines-CIRL-Zoo-Central IRL Plant Project	\$ 2,047	\$ -	\$ -
Plants/Living Shorelines-CIRL-MRC-Fisherman's Landing, Complete	\$ 5,118	\$ 4,800	\$ 4,800
Plants/Living Shorelines-CIRL-MRC-Rotary Park, CM 4785, Complete	\$ 5,118	\$ 4,800	\$ 4,800
<i>SOIRL Projects funded under Aid to Private Organizations</i>	<i>\$ 8,311,409</i>	<i>\$ 922,568</i>	<i>\$ 468,152</i>
SOIRL Projects Total	\$ 107,247,998	\$ 24,694,931	\$ 9,754,341

Save Our Indian River Lagoon Performance Table Fiscal Year 19/20 Fourth Quarter

Line #	Project #	Responsible Entity	Project Name	Project Type	Scope of Work Received	Contract Review Status	Design	Construction	Contract Value	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
1	2016-01	Brevard County	Riverview Senior Resort	Living Shoreline - Oyster	Complete	Complete	100%	100%	\$ 30,304	100%	100%
2	2016-3a	Brevard County	Muck Re-dredging in Turkey Creek	Muck Removal & Interstitial Treatment	Complete	Complete	100%	100%	\$ 215,000	100%	100%
3	2016-3b	Brevard County	Muck Interstitial Water Treatment for Turkey Creek	Muck Removal & Interstitial Treatment	Complete	Complete	100%	100%	Included in muck	100%	100%
4	6	Brevard County	Long Point Park Upgrade	Septic Upgrade	Complete	Complete	100%	100%	\$ 102,000	100%	100%
5	40	Brevard County	Mims Muck Removal: Outflow Water Nutrient Removal	Muck Removal & Interstitial Treatment	Complete	Complete	100%	100%	\$ 400,000	N/A	N/A
6	87	Brevard County	Basin 2134 Fleming Grant Biosorption Activated Media	Stormwater Traditional	Complete	Complete	100%	100%	\$ 56,588	100%	100%
7	92	Brevard County	Basin 115 Carter Road Biosorption Activated Media	Stormwater Traditional	Complete	Complete	100%	100%	\$ 62,510	100%	100%
8	94	Brevard County	Basin 832 Broadway Pond Biosorption Activated Media	Stormwater Traditional	Complete	Complete	100%	100%	\$ 42,864	100%	100%
9	117	Brevard County	Basin 10 County Line Road Woodchip Bioreactor	Stormwater Traditional	Complete	Complete	100%	100%	\$ 72,773	100%	100%

Line #	Project #	Responsible Entity	Project Name	Project Type	Scope of Work Received	Contract Review Status	Design	Construction	Contract Value	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
10	75	Brevard Zoo	Marina Isles	Living Shoreline - Oyster	Complete	Complete	100%	100%	\$ 26,700	100%	100%
11	76	Brevard Zoo	Bettinger	Living Shoreline - Oyster	Complete	Complete	100%	100%	\$ 10,680	100%	100%
12	79	Brevard Zoo	Gitlin	Living Shoreline - Oyster	Complete	Complete	100%	100%	\$ 16,020	100%	100%
13	80	Brevard Zoo	Coconut Pt/EELS	Living Shoreline - Oyster	Complete	Complete	100%	100%	\$ 45,120	100%	100%
14	83	Brevard Zoo	Bomalaski	Living Shoreline - Oyster	Complete	Complete	100%	100%	\$ 8,900	100%	100%
15	103	Brevard Zoo	North Indian River Lagoon - Plants	Living Shoreline - Plants	Complete	Complete	100%	100%	\$ 720	100%	100%
16	13	Cape Canaveral	Central Blvd Baffle Box	Stormwater Traditional	Complete	Complete	100%	100%	\$ 34,700	100%	100%
17	14	Cocoa	Church Street Type II Baffle Box	Stormwater Traditional	Complete	Complete	100%	100%	\$ 88,045	100%	100%
18	70a	Cocoa Beach	Cocoa Beach Muck Dredging- Phase III	Muck Removal	Complete	Complete	100%	100%	\$ 1,376,305	100%	100%
19	16	Indian Harbour Beach	Gleason Park Reuse	Stormwater Traditional	Complete	Complete	100%	100%	\$ 4,224	100%	100%
20	77a	Marine Resources Council	Cocoa Beach Country Club	Living Shoreline - Plants	Complete	Complete	100%	100%	\$ 16,080	100%	100%
21	77b	Marine Resources Council	Lagoon House Shoreline Restoration Planting	Living Shoreline - Plants	Complete	Complete	100%	100%	\$ 24,000	100%	100%

Line #	Project #	Responsible Entity	Project Name	Project Type	Scope of Work Received	Contract Review Status	Design	Construction	Contract Value	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
22	133	Marine Resources Council	Fisherman's Landing	Living Shoreline - Planting	Complete	Complete	100%	100%	\$ 4,800	100%	100%
23	135	Marine Resources Council	Rotary Park	Living Shoreline - Planting	Complete	Complete	100%	100%	\$ 4,800	100%	100%
24	44a	MIRA	MIRA Septic Removal Phase 1 of 2 (17 of 17 connected)	Septic Removal	Complete	Complete	100%	100%	\$ 128,875	100%	100%
25	15	Palm Bay	Bayfront Stormwater Project	Stormwater Traditional	Complete	Complete	100%	100%	\$ 30,624	100%	100%
26	1	Rockledge	Breeze Swept Septic Removal (143 of 143 connected)	Septic Removal	Complete	Complete	100%	100%	\$ 880,530	100%	100%
27	19	Titusville	St. Teresa Basin Treatment	Stormwater Traditional	Complete	Complete	100%	100%	\$ 272,800	100%	100%
28	20	Titusville	South St. Basin Treatment	Stormwater Traditional	Complete	Complete	100%	100%	\$ 86,856	100%	100%
29	21	Titusville	La Paloma Basin Treatment	Stormwater Traditional	Complete	Complete	100%	100%	\$ 208,296	100%	100%
30	98	Titusville	Coleman Ponds Managed Aquatic Plant System	Stormwater Traditional	Complete	Complete	100%	100%	\$ 35,000	100%	100%
31	18	Brevard County	Basin 62 Denitrification Retrofit of Johns Rd Pond	Stormwater Traditional	Complete	Complete	100%	0%	\$ 105,512	Leveraged Funds	Leveraged Funds
32	22	Brevard County	Basin 1387 Kingsmill-Aurora Phase 2 of 2	Stormwater Traditional	Complete	Complete	30%		\$ 367,488	Leveraged Funds	Leveraged Funds

Line #	Project #	Responsible Entity	Project Name	Project Type	Scope of Work Received	Contract Review Status	Design	Construction	Contract Value	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
33	23	Brevard County	Basin 41 Denitrification Retrofit of Huntington Pond	Stormwater Traditional	Complete	Complete	90%		\$ 104,720	Leveraged Funds	Leveraged Funds
34	24	Brevard County	Basin 71 Denitrification Retrofit Flounder Creek Pond	Stormwater Traditional	Complete	Complete	100%	0%	\$ 75,328	Leveraged Funds	Leveraged Funds
35	2016-58	Brevard County	Basin 1349	Stormwater Traditional	Complete	Complete	90%		\$ 175,000	Leveraged Funds	Leveraged Funds
36	2016-59	Brevard County	Basin 1409	Stormwater Traditional	Complete	Complete	90%		\$ 125,000	Leveraged Funds	Leveraged Funds
37	85	Brevard County	Basin 1304 Bioreactor	Stormwater Traditional	Complete	Complete	100%	90%	\$ 90,000	Leveraged Funds	Leveraged Funds
38	89	Brevard County	Basin 1298 Bioreactor	Stormwater Traditional	Complete	Complete	100%	10%	\$ 86,198	Leveraged Funds	Leveraged Funds
39	90	Brevard County	Basin 51 Johns Road Pond Biosorption Activated Media	Stormwater Traditional	Complete	Complete	100%	0%	\$ 23,030	Leveraged Funds	Leveraged Funds
40	91	Brevard County	Basin 100 Burkholm Road Biosorption Activated Media	Stormwater Traditional	Complete	Complete	100%	0%	\$ 64,390	Leveraged Funds	Leveraged Funds
41	93	Brevard County	Basin 193 Wiley Road Biosorption Activated Media	Stormwater Traditional	Complete	Complete	100%	0%	\$ 82,735	Leveraged Funds	Leveraged Funds
42	112	Brevard County	County Wide Stormwater Pond Harvesting	Vegetative Harvesting	Complete	Complete	0%		\$ 14,000		
43	118	Brevard County	Basin 26 Sunset Ave Woodchip Bioreactor	Stormwater Traditional	Complete	Complete	90%		\$ 73,810		

Line #	Project #	Responsible Entity	Project Name	Project Type	Scope of Work Received	Contract Review Status	Design	Construction	Contract Value	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
44	119	Brevard County	Basin 141 Irwin Ave Woodchip Bioreactor	Stormwater Traditional	Complete	Complete	100%	0%	\$ 69,174		
45	121	Brevard County	Basin 2258 Babcock Rd Woodchip Bioreactor	Stormwater Traditional	Complete	Complete	50%		\$ 50,203		
46	122	Brevard County	Basin 22 Huntington Rd Serenity Park Woodchip Bioreactor	Stormwater Traditional	Complete	Complete	100%	0%	\$ 40,077		
47	3	Brevard County	Micco Sewer Line Extension (0 of 31 connected)	Septic Removal	Complete	Complete	95%		\$ 2,038,500	9.89%	9.89%
48	2016-04	Brevard County	Rockledge A Muck Dredging	Muck Removal & Interstitial Treatment	Complete	Complete	10%		\$ 5,010,244	2.52%	2.52%
49	2016-06	Brevard County	Titusville Railroad West Muck Removal	Muck Removal & Interstitial Treatment	Complete	Complete	20%		\$ 3,607,375	3.20%	3.20%
50	2016-07	Brevard County	National Aeronautics and Space Administration East	Muck Removal & Interstitial Treatment	Complete	Complete	20%		\$ 11,423,355	1.57%	1.57%
51	2016-08	Brevard County	Titusville Railroad East Muck Removal	Muck Removal & Interstitial Treatment	Complete	Complete	20%		\$ 4,609,424	3.15%	3.15%
52	41	Brevard County	Grand Canal Muck Dredging	Muck Removal & Interstitial Treatment	Complete	Complete	100%	2%	\$ 18,020,368	10.29%	10.29%

Line #	Project #	Responsible Entity	Project Name	Project Type	Scope of Work Received	Contract Review Status	Design	Construction	Contract Value	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
53	42	Brevard County	Sykes Creek Muck Dredging	Muck Removal & Interstitial Treatment	Complete	Complete	100%	0%	\$ 15,954,132	0.21%	0.21%
54	54	Brevard County	Eau Gallie Northeast Muck Dredging	Muck Removal & Interstitial Treatment	Complete	Complete	98%		\$ 10,020,488	0.72%	0.72%
55	71	Brevard County	Merritt Island Muck Removal, Phase 1 of 2	Muck Removal	Complete	Complete	60%		\$ 7,733,517	Leveraged Funds	Leveraged Funds
56	2016-47	Brevard County	Sykes Creek - Zone N (0 of 78 connected)	Septic Removal	Complete	Complete	0%		\$ 2,603,016	2.26%	2.26%
57	2016-48	Brevard County	Sykes Creek - Zone M (0 of 56 connected)	Septic Removal	Complete	Complete	30%		\$ 1,618,832	3.34%	3.34%
58	2016-49	Brevard County	Sykes Creek - Zone T (0 of 148 connected)	Septic Removal	Complete	Complete	30%		\$ 4,689,056	1.97%	1.97%
59	2016-50	Brevard County	South Central - Zone C (0 of 140 connected)	Septic Removal	Complete	Complete	90%		\$ 6,600,000	4.30%	4.30%
60	63	Brevard County	Sewer Lateral Replacement Repair - Satellite Beach Pilot	Sewer Upgrades	Complete	Complete	100%	13%	\$ 840,000	0.50%	0.50%
61	114	Brevard County	Barefoot Bay Lateral Smoke Testing	Sewer Upgrades	Complete	Complete	0%		\$ 90,000		
62	115	Brevard County	South Beaches Lateral Smoke Testing	Sewer Upgrades	Complete	Complete	0%		\$ 200,000		
63	116	Brevard County	Merritt Island Lateral Smoke Testing	Sewer Upgrades	Complete	Complete	0%		\$ 250,000		

Line #	Project #	Responsible Entity	Project Name	Project Type	Scope of Work Received	Contract Review Status	Design	Construction	Contract Value	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
64	58a	Brevard County	Fertilizer Public Education	Education Outreach	Complete	Complete	100%	31%	\$ 625,000	27.27%	27.27%
65	58b	Brevard County	Grass Clippings Campaign	Education Outreach	Complete	Complete	100%	25%	\$ 200,000	10.00%	10.00%
66	58c	Brevard County	Septic Public Education	Education Outreach	Complete	Complete	100%	31%	\$ 300,000	32.54%	32.54%
67	102	Brevard Zoo	Banana River Lagoon - Plants	Living Shoreline - Plants	Complete	Complete	75%		\$ 3,120		
68	104	Brevard Zoo	Banana River Lagoon - Oysters	Living Shoreline - Oyster	Complete	Under Review			\$ 583,020		
69	105	Brevard Zoo	Central Indian River Lagoon - Oysters	Living Shoreline - Oyster	Complete	Complete	100%	85%	\$ 161,160	80.40%	66.42%
70	106	Brevard Zoo	North Indian River Lagoon - Oysters	Living Shoreline - Oyster	Complete	Complete	81%	54%	\$ 341,280	48.35%	30.73%
71	130	Brevard Zoo	North Indian River Lagoon - Plants 2	Living Shoreline - Planting	Complete	Complete	80%	82%	\$ 9,840	45.80%	
72	139	Brevard Zoo	North Indian River Lagoon - Oysters 2	Living Shoreline - Oyster	Complete	Out for Signature			\$ 336,400		
73	140	Brevard Zoo	Central Indian River Lagoon - Oysters 2	Living Shoreline - Oyster	Complete	Complete	15%	28%	\$ 270,800	12.91%	12.18%
74	124	Cocoa	Floating Wetlands	Stormwater Traditional	Complete	Out for Signature			\$ 1,497		
75	99	Cocoa Beach	Cocoa Beach Water Reclamation Facility Upgrades	Wastewater Treatment Facility	Complete	Complete	100%	100%	\$ 945,000	100%	44.23%

Line #	Project #	Responsible Entity	Project Name	Project Type	Scope of Work Received	Contract Review Status	Design	Construction	Contract Value	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
76	101	Cocoa Beach	Cocoa Beach Muck Dredging Phase IIb	Muck Removal & Interstitial Treatment	Complete	Complete	100%	60%	\$ 5,917,650	44.96%	24.23%
77	168	Cocoa Beach	Cocoa Beach Golf Muck Project	Muck Removal & Interstitial Treatment	Complete	Complete	1%		\$ 24,363,100		
78	127	Indialantic	Basin 5 Dry Retention	Stormwater Traditional	Complete	Complete	100%	100%	\$ 16,680		
79	66	Indian Harbour Beach	Big Muddy @ Cynthia Baffle Box	Stormwater Traditional	Complete	Complete	100%	0%	\$ 67,532	13.90%	12.16%
80	72a-b	Indian Harbour Beach	Muck Removal & Interstitial Water Treatment of IHB Canals	Muck Removal & Interstitial Treatment	Complete	Complete	100%	0%	\$ 9,115,415		
81	4	Melbourne	Hoag Sewer Conversion (1 of 5 connected)	Septic Removal	Complete	Complete	100%	60%	\$ 86,031	15.71%	15.71%
82	5	Melbourne	Penwood Sewer Conversion (1 of 5 connected)	Septic Removal	Complete	Complete	100%	60%	\$ 40,632	42.02%	42.02%
83	34	Melbourne	Cliff Creek Baffle Box	Stormwater Traditional	Complete	Complete	100%	100%	\$ 347,781		
84	2020-34	Melbourne	South Central - Zone F (0 of 51 connected)	Septic Removal	Complete	Complete	100%	1%	\$ 1,707,972		
85	35	Melbourne	Thrush Drive Baffle Box	Stormwater Traditional	Complete	Complete	100%	0%	\$ 322,200		
86	59	Melbourne	Grant Street WRF Nutrient Removal Improvements	Wastewater Treatment Facility	Complete	Complete	90%		\$ 6,769,500		

Line #	Project #	Responsible Entity	Project Name	Project Type	Scope of Work Received	Contract Review Status	Design	Construction	Contract Value	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
87	61	Melbourne	Riverside Drive Septic Removal Conversion (1 of 12 connected)	Septic Removal	Complete	Complete	100%	54%	\$ 265,960	5.92%	5.92%
88	62	Melbourne	Roxy Avenue Septic Removal Conversion (1 of 6 connected)	Septic Removal	Complete	Complete	100%	58%	\$ 88,944		
89	169	Melbourne	Sherwood Park Stormwater Quality Project	Stormwater Traditional	Complete	Complete	100%	15%	\$ 392,108		
90	44b	MIRA	MIRA Septic Removal Phase 2 of 2 (46 of 60 connected)	Septic Removal	Complete	Complete	100%	88%	\$ 191,125	81.84%	74.75%
91	2016-17	Palm Bay	North Region WRF	Wastewater Treatment Facility	Complete	Complete	100%	1%	\$ 3,636,900	9.34%	4.99%
92	68	SJRWMD	Crane Creek/M-1 Canal Flow Restoration	Stormwater Traditional	Complete	Complete	100%	0%	\$ 2,033,944	4.92%	4.92%
93	2016-02	Titusville	Osprey WWTF	Wastewater Treatment Facility	Complete	Complete	100%	0%	\$ 9,100,000	10.48%	8.72%
94	97	Titusville	Titusville High School Baffle Box	Stormwater Traditional	Complete	Complete	100%	0%	\$ 111,813		
95	100	Titusville	Osprey Sewer Lateral Repair Project	Sewer Lateral Rehab	Complete	Under Review			\$ 200,000		
96	109	Titusville	Zones A-G Septic Removal (0 of 18 connected)	Septic Removal	Complete	Complete	50%		\$ 943,110	3.57%	
97	110	Titusville	Osprey Plant Pond Managed Aquatic Pond System	Stormwater Traditional	Complete	Complete			\$ 60,000		

Line #	Project #	Responsible Entity	Project Name	Project Type	Scope of Work Received	Contract Review Status	Design	Construction	Contract Value	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
98	111	Titusville	Draa Field Vegetation Harvesting	Stormwater Traditional	Complete	Complete			\$ 50,000		
99	120	Titusville	Draa Field Pond Managed Aquatic Pond System	Stormwater Traditional	Complete	Complete			\$ 31,281		
100	60	West Melbourne	Sylvan Estates Septic Removal Conversion (0 of 59 connected)	Septic Removal	Complete	Complete	100%	49%	\$ 1,561,215	48.97%	23.07%
101	2016-36	Brevard County	South Beaches O	Septic Removal	Fiscal Year 2019/20				\$ 133,488		
102	2016-37	Brevard County	South Beach P	Septic Removal	Fiscal Year 2019/20				\$ 500,580		
103	2016-51	Brevard County	Port St. John	Rapid Infiltration Basin	Fiscal Year 2020/21				\$ 980,100		
104	81	Brevard Zoo	Wexford	Living Shoreline - Oyster	Fiscal Year 2017/18				\$ 31,150		
105	31	Cape Canaveral	Cape Shores Swales	Stormwater Traditional	Fiscal Year 2017/18	With-drawn			\$ 2,746		
106	32	Cape Canaveral	Justamere Rd. Swale	Stormwater Traditional	Fiscal Year 2017/18	With-drawn			\$ 528		

Line #	Project #	Responsible Entity	Project Name	Project Type	Scope of Work Received	Contract Review Status	Design	Construction	Contract Value	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
107	33	Cape Canaveral	Hitching Post Berms	Stormwater Traditional	Fiscal Year 2017/18	With-drawn			\$ 2,552		
108	2016-31	Cocoa	Cocoa K Septic Removal Project	Septic Removal	Fiscal Year 2017/18				\$ 1,201,392		
109	2016-32	Cocoa	Cocoa J Septic Removal Project	Septic Removal	Fiscal Year 2019/20				\$ 3,136,968		
110	64	Cocoa Beach	Stormwater LID Convair Cove 1 Blakey Blvd	Stormwater Traditional	Fiscal Year 2020/21				\$ 4,650		
111	65	Cocoa Beach	Stormwater LID Convair Cove 2 Demsey Drive	Stormwater Traditional	Fiscal Year 2020/21				\$ 4,495		
112	78a	Cocoa Beach	McNabb Park	Living Shoreline - Oyster	Fiscal Year 2020/21				\$ 34,056		
113	78b	Cocoa Beach	McNabb Park - Plants	Living Shoreline - Plants	Fiscal Year 2020/21				\$ 5,760		
114	39	Melbourne	Stewart Road Dry Retrofit	Stormwater Traditional	Fiscal Year 2017/18	With-drawn			\$ 18,344		
115	67	Melbourne	Grant Place Baffle Box	Stormwater Traditional	Fiscal Year 2018/19				\$ 82,481		

Line #	Project #	Responsible Entity	Project Name	Project Type	Scope of Work Received	Contract Review Status	Design	Construction	Contract Value	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
116	69	Melbourne	Apollo/GA Baffle Box	Stormwater Traditional	Fiscal Year 2018/19				\$ 297,522		
117	82a	Melbourne	Riverview Park	Living Shoreline - Oyster	Fiscal Year 2017/18				\$ 108,790		
118	82b	Melbourne	Riverview Park	Living Shoreline - Plants	Fiscal Year 2017/18				\$ 18,480		
119	88	Melbourne	Espanola Baffle Box	Stormwater Traditional	Fiscal Year 2018/19				\$ 105,186		
120	95	Melbourne	Cherry Street Baffle Box	Stormwater Traditional	Fiscal Year 2018/19				\$ 92,120		
121	96	Melbourne	Spring Creek Baffle Box	Stormwater Traditional	Fiscal Year 2018/19				\$ 99,358		
122	2016-30	Rockledge	Rockledge Septic Removal	Septic Removal	Fiscal Year 2017/18				\$ 500,580		
123	2016-39	Palm Bay	Septic Removal - Palm Bay A (0 of 77 connected)	Septic Removal	Fiscal Year 2020/21				\$ 2,569,644		
124	2016-46	Palm Bay	Septic Removal - Palm Bay B (0 of 249 connected)	Septic Removal	Fiscal Year 2020/21				\$ 8,309,628		

Line #	Project #	Responsible Entity	Project Name	Project Type	Scope of Work Received	Contract Review Status	Design	Construction	Contract Value	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
125	138	West Melbourne	Ray Bullard WRF	Wastewater Treatment Facility	Fiscal Year 2019/20				\$ 4,260,000		

Previous Quarter Scope of Work Received Total	Previous Quarter Contract Prepared Total	Previous Quarter Executed By County Total	Previous Quarter Executed by Grantee Total	Previous Quarter Projects in Design	Previous Quarter Projects Under Construction	Previous Quarter Project Complete Total	Previous Quarter Reimbursement Requested Total	Previous Quarter Reimbursement Sent Total
98	96	96	96	88	49	26	58	56

Current Quarter Scope of Work Received Total	Current Quarter Contract Prepared Total	Current Quarter Executed By County Total	Current Quarter Executed by Grantee Total	Current Quarter Projects in Design	Current Quarter Projects Under Construction	Current Quarter Project Complete Total	Current Quarter Reimbursement Requested Total	Current Quarter Reimbursement Sent Total
100	98	98	96	88	54	30	61	59



Save Our Indian River Lagoon
Citizen Oversight Committee
November 20, 2020

Agenda Item:

VIII. a. New Business

Title:

Project Funding Recommendations to include in the recommended 2021 Plan Update

Requested Action:

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

- a 15% Contingency and
- all the projects in the 2021 Project Funding Requests List with the exception of Project(s) Numbered [project numbers to be included].

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

- Project(s) Numbered [project numbers to be included], 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 24 projects requests from the community and 10 projects that the Committee previously authorized staff to bring forward for consideration in the 2021 Plan Update. These projects have an estimated cost increase of \$11,793,916 for which \$7,138,720 is potentially eligible for surtax funding.

Save Our Indian River Lagoon Project Request Table 2021

Project Number	Project Name	Entity	Project Type	TN Reduction (pounds/year)	Total Cost TN (\$/pound)	Total Cost	Eligible Tax Funding Cost Share	Eligible Tax Funding (\$/pound TN)	Cumulative Eligible Tax Funding Change	Dollar Amount Secured Grants	Notes
171	Mechanical Aquatic Vegetation Harvesting	Melbourne-Tillman Water Control District	Vegetation Harvesting	16,636	\$ 61	\$ 1,011,976	\$ 1,011,976	\$ 61	\$ 1,011,976		6,931,848 pounds wet weight removed over 2 years; eligible for \$1,829,960
172	Horseshoe Pond Vegetative Harvesting	Brevard County Stormwater	Vegetation Harvesting	74	\$ 730	\$ 54,000	\$ 8,140	\$ 110	\$ 1,020,116		4,500 pounds wet weight removed
173	North and South Lakemont Ponds Vegetation Harvesting	City of Cocoa	Vegetation Harvesting	18	\$ 596	\$ 10,720	\$ 1,980	\$ 110	\$ 1,022,096		170,000 pounds wet weight removed
174	St Johns 2 Baffle Box	City of Titusville	Stormwater Projects	1,992	\$ 233	\$ 465,000	\$ 243,070	\$ 122	\$ 1,265,166		
123	Ray Bullard WRF Stormwater Management Area	City of West Melbourne	Stormwater Projects	1,317	\$ 1,294	\$ 1,704,160	\$ 160,674	\$ 122	\$ 1,328,240		Amendment for previously approved project of \$97,600; Eligible for \$160,674, requesting additional \$63,074
175	High School Baffle Box	City of Melbourne	Stormwater Projects	1,183	\$ 668	\$ 790,000	\$ 144,326	\$ 122	\$ 1,472,566		
176	Funeral Home Baffle Box	City of Melbourne	Stormwater Projects	481	\$ 967	\$ 465,000	\$ 58,682	\$ 122	\$ 1,531,248		
177	North and South Lakemont Ponds Floating Wetlands	City of Cocoa	Stormwater Projects	107	\$ 467	\$ 50,000	\$ 13,054	\$ 122	\$ 1,544,302		
178	Marina B MAPS	City of Titusville	Stormwater Projects	55	\$ 266	\$ 14,531	\$ 6,670	\$ 122	\$ 1,550,972		
179	Lori Laine Basin Pipe Improvement Project	City of Satellite Beach	Stormwater Projects	117	\$ 25,453	\$ 2,973,641	\$ 17,525	\$ 150	\$ 1,568,497		
180	Scottsmoor Impoundment	Marine Resources Council	Planted Shoreline	44	\$ 240	\$ 10,560	\$ 10,560	\$ 240	\$ 1,579,057		650 linear feet
181	Riveredge	Marine Resources Council	Planted Shoreline	17	\$ 240	\$ 4,080	\$ 4,080	\$ 240	\$ 1,583,137		250 linear feet
182	Newfound Harbor Drive	Marine Resources Council	Planted Shoreline	7	\$ 240	\$ 1,680	\$ 1,680	\$ 240	\$ 1,584,817		100 linear feet
183	Brevard Zoo North Indian River Lagoon Plant Project 3	Brevard Zoo	Planted Shoreline	4	\$ 240	\$ 960	\$ 960	\$ 240	\$ 1,585,777		60 linear feet
184	Brevard Zoo North Indian River Lagoon Oyster Project 3	Brevard Zoo	Oyster	1,056	\$ 397	\$ 419,232	\$ 419,232	\$ 397	\$ 2,005,009		26,388 square feet
185	Brevard Zoo Central Indian River Lagoon Tributary Pilot Oyster Project	Brevard Zoo	Oyster	581	\$ 397	\$ 230,657	\$ 230,657	\$ 397	\$ 2,235,666		14,520 square feet
186	Brevard Zoo North Indian River Lagoon Individual Oyster Project	Brevard Zoo	Oyster	436	\$ 397	\$ 173,092	\$ 173,092	\$ 397	\$ 2,408,758		10,890 square feet

Project Number	Project Name	Entity	Project Type	TN Reduction (pounds/year)	Total Cost TN (\$/pound)	Total Cost	Eligible Tax Funding Cost Share	Eligible Tax Funding (\$/pound TN)	Cumulative Eligible Tax Funding Change	Dollar Amount Secured Grants	Notes
187	Brevard Zoo Central Indian River Lagoon Oyster Project 3	Brevard Zoo	Oyster	218	\$ 397	\$ 86,546	\$ 86,546	\$ 397	\$ 2,495,304		5,460 square feet
188	Brevard Zoo Banana River Oyster Project 3	Brevard Zoo	Oyster	143	\$ 397	\$ 56,771	\$ 56,771	\$ 397	\$ 2,552,075		3,576 square feet
189	Avenida del Rio Septic to Sewer	City of Melbourne	Septic Removal/ Extend	71	\$ 986	\$ 70,000	\$ 70,000	\$ 986	\$ 2,622,075	\$ 30,000	3 connections; eligible for \$106,500
190	Bowers Septic to Sewer	City of Melbourne	Septic Removal/ Extend	120	\$ 1,225	\$ 147,000	\$ 147,000	\$ 1,225	\$ 2,769,075	\$ 72,000	6 connections; eligible for \$180,000
191	Kent and Villa Espana Septic to Sewer Conversion	City of Melbourne	Septic Removal/ Extend	542	\$ 1,310	\$ 710,000	\$ 710,000	\$ 1,310	\$ 3,479,075	\$ 294,000	37 connections; eligible for \$813,000
3	Micco Sewer Line Extension (Phase I & II)	Brevard County	Septic Removal/ Extend	1,493	\$ 1,811	\$ 2,704,444	\$ 2,239,500	\$ 1,500	\$ 2,970,330	\$ 214,920	22 connections; combined previously approved Micco projects with adjustments; previously approved for \$2,748,245; reducing eligible funding by \$508,745.
192	Oak Point Wastewater Treatment Facility Improvements	Oak Point Mobile Home Park	Septic Removal/ Extend	186	\$ 3,251	\$ 604,750	\$ 279,000	\$ 1,500	\$ 3,249,330		Repair package plant and connect to sewer for 108 mobile home park residences

Save Our Indian River Lagoon Project Potential Funding Opportunities Table 2021

Project Number	Project Name	Entity	Project Type	TN Reduction (pounds/year)	Total Cost TN (\$/pound)	Estimated Total Cost to Upgrade	Eligible Tax Funding Cost Share	Eligible Tax Funding (\$/pound TN)	Cumulative Eligible Tax Funding Change	Dollar Amount Secured Grants	Notes
193	Oyster Gardening	Brevard Zoo	Oyster			\$ 300,000	\$ 300,000		\$ 300,000	\$ -	2 years of funding approved by County Commission and Citizen Oversight Committee
194	Clam Aquaculture Pilot	Clam Farmers	Clam	1,000	\$ 60	\$ 60,000	\$ 60,000	\$ 60	\$ 360,000	\$ -	
195	Pelican Bay Mobile Home (Riverview) Wastewater Treatment Facility	Pelican Bay Mobile Home Park	RIB/Sprayfield	525	\$ 423	\$ 222,156	\$ 222,156	\$ 423	\$ 582,156	\$ -	0.035 million gallons per day reclaimed water flow
196	Sterling House Condominium Wastewater Treatment Facility	Sterling House Condominium	RIB/Sprayfield	133	\$ 451	\$ 60,000	\$ 60,000	\$ 451	\$ 642,156	\$ -	0.015 million gallons per day reclaimed water flow
197	South Shores Utility	South Shores Utility	Package Plant Connection to Sewer	1,463	\$ 653	\$ 955,344	\$ 955,344	\$ 653	\$1,597,500	\$ -	
198	Cove At South Beaches Condominium Association Wastewater Treatment Facility	Cove At South Beaches Condominium Association	RIB/Sprayfield	70	\$ 735	\$ 51,480	\$ 51,480	\$ 735	\$1,648,980	\$ -	0.01 million gallons per day reclaimed water flow
199	River Grove I & II Mobile Home Park	River Grove I & II Mobile Home Park	Package Plant Connection to Sewer	591	\$ 822	\$ 485,530	\$ 485,530	\$ 822	\$2,134,510	\$ -	0.03 million gallons per day reclaimed water flow
200	Summit Cove Condominium	Summitt Cove Condominium	RIB/Sprayfield	172	\$ 916	\$ 157,469	\$ 157,469	\$ 916	\$2,291,979	\$ -	0.03 million gallons per day reclaimed water flow
201	Lighthouse Cove Wastewater Treatment Facility	Lighthouse Cove	RIB/Sprayfield	122	\$ 984	\$ 120,000	\$ 120,000	\$ 984	\$2,411,979	\$ -	0.024 million gallons per day reclaimed water flow
202	Merritt Island Utility Company Wastewater Treatment Facility	Merritt Island Utility Company	Package Plant Connection to Sewer	1,229	\$ 1,202	\$1,477,411	\$1,477,411	\$ 1,202	\$3,889,390	\$ -	0.07 million gallons per day reclaimed water flow

Save Our Indian River Lagoon Funding Application Short Form:
Mechanical Aquatic Vegetation Harvesting

Project Details

Entity: Melbourne-Tillman Water Control District (MTWCD)

Project Type: Vegetation Harvesting

Sub Lagoon: Central Indian River Lagoon

Location: Various canals within the MTWCD boundary

Project Description: Removal of aquatic vegetation from secondary canals in lieu of chemical herbicide application utilizing long-reach excavator and two dump trucks to dispose in upland area. One cycle to remove vegetation is estimated at 1.19 years and could take two years to complete.

Education and Outreach:

Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 16,636

Total Phosphorus Reduction (pounds/year): 1,664

Costs

Total Project Cost: \$1,011,796.00

Estimated Cost per Pound Total Nitrogen Removed: \$61.00

Estimated Cost per Pound Total Phosphorus Removed: \$608.00

Eligible Tax Funding Cost Share: \$1,011,976.00

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: \$0.00

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: Reduction of chemical herbicide and biomass decomposition

Notes: 6,931,848 pounds wet weight removed over 2 years; eligible for \$1,829,960

Project Number: 171

Save Our Indian River Lagoon Funding Application Short Form:

Horseshoe Pond Vegetative Harvesting

Project Details

Entity: Brevard County Stormwater

Project Type: Vegetation Harvesting

Sub Lagoon: North Indian River Lagoon

Location: 28.206714°, -80.672900° - West side of Wickham Rd

Project Description: The County will contract to harvest nuisance vegetation from a 3.5 acre pond near Wickham Road.

Education and Outreach: Not Applicable

Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 74

Total Phosphorus Reduction (pounds/year): 7

Costs

Total Project Cost: \$54,000.00

Estimated Cost per Pound Total Nitrogen Removed: \$730.00

Estimated Cost per Pound Total Phosphorus Removed: \$7,714.00

Eligible Tax Funding Cost Share: \$8,140.00

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: \$45,860.00

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: Aquatic vegetation in stormwater ponds upstream of the Indian River Lagoon form dense floating mats that prevent light diffusion into the water column, deplete dissolved oxygen, impede flow and harbor mosquitoes that are vectors for human disease. Herbicide is typically used to control these nuisance plant mats. However, the decay of herbicide-treated plants contributes nutrients, biological oxygen demand and organic detritus to the downstream lagoon - feeding harmful algae blooms, contributing to fish kills and anoxic deposits of organic muck. As an alternative to herbicide, the harvest of aquatic vegetation removes nutrients from the water body, reducing excess nutrient loading to the

lagoon. This project will remove primarily invasive plant species from an upland waterway upstream of the Indian River Lagoon.

Notes: 4,500 pounds pounds wet weight removed

Project Number: 172

Save Our Indian River Lagoon Funding Application Short Form:
North and South Lakemont Ponds Vegetation Harvesting

Project Details

Entity: City of Cocoa

Project Type: Vegetation Harvesting

Sub Lagoon: North Indian River Lagoon

Location:

Project Description: Vegetation harvesting to two ponds, i.e. North Lakemont and South Lakemont Stormwater Ponds.

Education and Outreach:

Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 18

Total Phosphorus Reduction (pounds/year): 4

Costs

Total Project Cost: \$10,720.00

Estimated Cost per Pound Total Nitrogen Removed: \$596.00

Estimated Cost per Pound Total Phosphorus Removed: \$0.00

Eligible Tax Funding Cost Share: \$1,980.00

Project Funding

Is Local Match in Adopted Budget: True

Dollar Amount of Local Cost Share: \$10,720.00

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits:

Notes: 170,000 pounds pounds wet weight removed

Project Number: 173

Save Our Indian River Lagoon Funding Application Short Form:

St Johns 2 Baffle Box

Project Details

Entity: City of Titusville

Project Type: Stormwater Projects

Sub Lagoon: North Indian River Lagoon

Location:

Project Description: This project will include installation of an offline 2nd generation baffle box with media filter located with the St Johns Basin in the City of Titusville. This box will provide treatment to approximately 644 acres.

Education and Outreach: Information on the project and it's benefits will be included on the City of Titusville's webpage and flyers that will be distributed at various outreach events.

Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 1992.3800000000001

Total Phosphorus Reduction (pounds/year): 610.85000000000002

Costs

Total Project Cost: \$465,000.00

Estimated Cost per Pound Total Nitrogen Removed: \$233.00

Estimated Cost per Pound Total Phosphorus Removed: \$761.00

Eligible Tax Funding Cost Share: \$243,070.00

Project Funding

Is Local Match in Adopted Budget: True

Dollar Amount of Local Cost Share: \$221,930.00

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: 2nd generation baffle boxes also provide Total Suspended Solids removal and trash and debris removal. The City currently vacuums out each of our baffle boxes 1-2 time a month.

Notes:

Project Number: 174

Save Our Indian River Lagoon Funding Application Short Form:
Ray Bullard WRF Stormwater Management Area

Project Details

Entity: City of West Melbourne

Project Type: Stormwater Projects

Sub Lagoon: Central Indian River Lagoon

Location:

Project Description: The City of West Melbourne proposes to amend the previously-approved and funded stormwater project. The proposed stormwater management system consisting of a 2.65-acre wet detention pond with a bold and gold side bank filter storing and treating the first flush of the stormwater runoff from approximately 450 acres contributing drainage area that is primarily older single-family residential homes that mostly lack any form of stormwater treatment or BMPs.

Education and Outreach: None

Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 1317

Total Phosphorus Reduction (pounds/year): 400

Costs

Total Project Cost: \$1,704,160.00

Estimated Cost per Pound Total Nitrogen Removed: \$1,294.00

Estimated Cost per Pound Total Phosphorus Removed: \$4,260.00

Eligible Tax Funding Cost Share: \$160,674.00

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share:

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: N/A

Notes: Amendment for previously approved project of \$97,600; Eligible for \$160,674, requesting additional \$63,074

Project Number: 123

Save Our Indian River Lagoon Funding Application Short Form:
High School Baffle Box

Project Details

Entity: City of Melbourne

Project Type: Stormwater Projects

Sub Lagoon: North Indian River Lagoon

Location: 28.09245; -80.61765

Project Description: Installation of nutrient separating baffle box

Education and Outreach:

Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 1183

Total Phosphorus Reduction (pounds/year): 319

Costs

Total Project Cost: \$790,000.00

Estimated Cost per Pound Total Nitrogen Removed: \$668.00

Estimated Cost per Pound Total Phosphorus Removed: \$2,476.00

Eligible Tax Funding Cost Share: \$144,326.00

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: \$645,674.00

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits:

Notes:

Project Number: 175

Save Our Indian River Lagoon Funding Application Short Form:
Funeral Home Baffle Box

Project Details

Entity: City of Melbourne

Project Type: Stormwater Projects

Sub Lagoon: North Indian River Lagoon

Location: 28.0925728; -80.6143267

Project Description: Installation of nutrient separating baffle box

Education and Outreach:

Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 481

Total Phosphorus Reduction (pounds/year): 129

Costs

Total Project Cost: \$465,000.00

Estimated Cost per Pound Total Nitrogen Removed: \$967.00

Estimated Cost per Pound Total Phosphorus Removed: \$3,605.00

Eligible Tax Funding Cost Share: \$58,682.00

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: \$406,318.00

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits:

Notes:

Project Number: 176

Save Our Indian River Lagoon Funding Application Short Form:
North and South Lakemont Ponds Floating Wetlands

Project Details

Entity: City of Cocoa

Project Type: Stormwater Projects

Sub Lagoon: North Indian River Lagoon

Location:

Project Description: Install floating wetlands in the North and South Lakemont Stormwater Ponds in Cocoa.

Education and Outreach:

Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 107

Total Phosphorus Reduction (pounds/year): 25.100000000000001

Costs

Total Project Cost: \$50,000.00

Estimated Cost per Pound Total Nitrogen Removed: \$467.00

Estimated Cost per Pound Total Phosphorus Removed:

Eligible Tax Funding Cost Share: \$13,054.00

Project Funding

Is Local Match in Adopted Budget: True

Dollar Amount of Local Cost Share: \$13,054.00

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits:

Notes:

Project Number: 177

Save Our Indian River Lagoon Funding Application Short Form:

Marina B MAPS

Project Details

Entity: City of Titusville

Project Type: Stormwater Projects

Sub Lagoon: North Indian River Lagoon

Location:

Project Description: Installation of floating islands within a 1 acre City owned pond located within Marina Park, which is part of the Marina B Basin. The islands will cover 5% of the pond surface and treat approximately 25 acres.

Education and Outreach: Information on the project and it's benefits will be included on the City of Titusville's webpage and flyers that will be distributed at various outreach events.

Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 54.670000000000002

Total Phosphorus Reduction (pounds/year): 7.42999999999999899

Costs

Total Project Cost: \$14,531.25

Estimated Cost per Pound Total Nitrogen Removed: \$266.00

Estimated Cost per Pound Total Phosphorus Removed: \$1,956.00

Eligible Tax Funding Cost Share: \$6,670.00

Project Funding

Is Local Match in Adopted Budget: True

Dollar Amount of Local Cost Share:

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits:

Notes:

Project Number: 178

Save Our Indian River Lagoon Funding Application Short Form:

Lori Laine Basin Pipe Improvement Project

Project Details

Entity: City of Satellite Beach

Project Type: Stormwater Projects

Sub Lagoon: Banana River Lagoon

Location: Lori Laine Basin, Satellite Beach, FL (28.177206, -80.604598)

Project Description: The Lori Laine Basin consist of residential properties along Sherwood and Hardwood Avenues; the stormwater in this basin branches from an existing trunk line that flows between Glenwood and Hamlin Avenues. This main trunk line is in poor condition and in the rear of residential lots. To reconcile this, a new Lori Laine Trunk line has been recommended, to include replacement pipe as well as linearly-wrapped BAM filter along its length to convey stormwater and allow for treated percolation. The trunk line will connect to the existing main pipe on Lemon Street, extend north until Sherwood Ave, follow Sherwood Ave east until Temple Street, and then go south to existing pipes. Additionally, there will be an interconnect to other pipes along the main trunk line on Kale. Most of the pipe that will be installed will be 36" pipe, with the aforementioned BAM filter material.

Education and Outreach: The City of Satellite Beach currently uses a number of platforms to educate and reach out to the community regarding stormwater and environmental projects, including but not limited to: public meetings, the local Beachcaster publication, online content for social media and city website, as well as physical signage in front of projects in the city. Typically, the city also has staff attend/host local events; however, there has been a marked decrease in these kinds of events due to COVID. Instead, staff is working to create more online content that is interactive to supplement the decrease.

Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 116.83

Total Phosphorus Reduction (pounds/year): 21.079999999999998

Costs

Total Project Cost: \$2,973,641.25

Estimated Cost per Pound Total Nitrogen Removed: \$25,453.00

Estimated Cost per Pound Total Phosphorus Removed: \$141,065.00

Eligible Tax Funding Cost Share: \$17,525.00

Project Funding

Is Local Match in Adopted Budget: True

Dollar Amount of Local Cost Share: \$17,525.00

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits:

Notes:

Project Number: 179

Save Our Indian River Lagoon Funding Application Short Form:

Scottsmoor Impoundment

Project Details

Entity: Marine Resources Council

Project Type: Planted Shoreline

Sub Lagoon: North Indian River Lagoon

Location: Scottsmoor Landing

Project Description: Pending impoundment construction completion, MRC will plant mangroves and spartina on the mosquito control impoundment dike slope. Construction is beginning in October of 2020 and is expected to be complete by planting season of 2021.

Education and Outreach: Volunteers will assist in the preparation, transportation, and planting of MRC nursery mangroves.

Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 44

Total Phosphorus Reduction (pounds/year): 15

Costs

Total Project Cost: \$10,560.00

Estimated Cost per Pound Total Nitrogen Removed: \$240.00

Estimated Cost per Pound Total Phosphorus Removed: \$704.00

Eligible Tax Funding Cost Share: \$10,560.00

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share:

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits:

Notes: 650 linear feet

Project Number: 180

Save Our Indian River Lagoon Funding Application Short Form:

Riveredge

Project Details

Entity: Marine Resources Council

Project Type: Planted Shoreline

Sub Lagoon: North Indian River Lagoon

Location: 5089 Riveredge Dr., Titusville

Project Description: Mangroves and spartina will be planted along 250 feet of shoreline.

Education and Outreach: Volunteers will assist in the preparation, transportation, and planting of MRC nursery mangroves.

Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 17

Total Phosphorus Reduction (pounds/year): 6

Costs

Total Project Cost: \$4,080.00

Estimated Cost per Pound Total Nitrogen Removed: \$240.00

Estimated Cost per Pound Total Phosphorus Removed: \$680.00

Eligible Tax Funding Cost Share: \$4,080.00

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share:

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits:

Notes: 250 linear feet

Project Number: 181

Save Our Indian River Lagoon Funding Application Short Form:
Newfound Harbor Drive

Project Details

Entity: Marine Resources Council

Project Type: Planted Shoreline

Sub Lagoon: Banana River Lagoon

Location: 1775 Newfound Harbor Dr., Merritt Island

Project Description: Mangroves and spartina will be planted along approximately 100 feet of natural shoreline.

Education and Outreach: Volunteers will assist in the preparation, transportation, and planting of MRC nursery mangroves.

Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 7

Total Phosphorus Reduction (pounds/year): 2

Costs

Total Project Cost: \$1,680.00

Estimated Cost per Pound Total Nitrogen Removed: \$240.00

Estimated Cost per Pound Total Phosphorus Removed: \$0.00

Eligible Tax Funding Cost Share: \$1,680.00

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share:

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits:

Notes: 100 linear feet

Project Number: 182

Save Our Indian River Lagoon Funding Application Short Form:
Brevard Zoo North Indian River Lagoon Plant Project 3

Project Details

Entity: Brevard Zoo

Project Type: Planted Shoreline

Sub Lagoon: North Indian River Lagoon

Location: The proposed site is located at 1849 Pineapple Ave. Melbourne, FL 32935. If for any reason we cannot move forward with this site, substitution sites will be selected.

Project Description: Brevard Zoo intends to plant 60 linear feet of qualifying shoreline vegetation in the North IRL.

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 living shorelines. We are not asking for any additional funding to continue this effort.

Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 4

Total Phosphorus Reduction (pounds/year): 1

Costs

Total Project Cost: \$960.00

Estimated Cost per Pound Total Nitrogen Removed: \$240.00

Estimated Cost per Pound Total Phosphorus Removed: \$960.00

Eligible Tax Funding Cost Share: \$960.00

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: \$0.00

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: In addition to nutrient removal, planted shorelines provide sediment stabilization and habitat to a variety of species.

Notes: 60 linear feet

Project Number: 183

Save Our Indian River Lagoon Funding Application Short Form:

Brevard Zoo North Indian River Lagoon Oyster Project 3

Project Details

Entity: Brevard Zoo

Project Type: Oyster

Sub Lagoon: North 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: 5695 US-1 Rockledge, FL 32955; 1297 Rockledge Dr. Rockledge, FL 32955; 10910 South Tropical Trail Merritt Island, FL 32952; 11020 South Tropical Trail Merritt Island, FL 32952; 11426 South Tropical Trail Merritt Island, FL 32952; 11660 Dragon Point Drive Merritt Island, FL 32952; 6 Shore View Circle Indialantic, FL 32903; 3481 N Sylvan Ln. Melbourne, FL 32935; 3483 N Sylvan Ln. Melbourne, FL 32935; 3485 N Sylvan Ln. Melbourne, FL 32935; 3521 N Sylvan Ln. Melbourne, FL 32935; 3531 N Sylvan Ln. Melbourne, FL 32935; 3551 N Sylvan Ln. Melbourne, FL 32935; 3577 N Sylvan Ln. Melbourne, FL 32935; 3581 N Harbor City Blvd. Melbourne, FL 32935; 1321 Pineapple Ave. Melbourne, FL 32935; 1279 Houston St. Melbourne, FL 32935; 1201 Sunny Point Dr. Melbourne, FL 32935; 857 Indian River Dr. Melbourne, FL 32935; 839 Indian River Dr. Melbourne, FL 32935; 817 Indian River Dr. Melbourne, FL 32935; 731 Indian River Dr. Melbourne, FL 32935; 709 Indian River Dr. Melbourne, FL 32935; 2839 Pineapple Ave Melbourne, FL 32935; 2815 Pineapple Ave Melbourne, FL 32935; 2625 Pineapple Ave Melbourne, FL 32935; 2517 Pineapple Ave Melbourne, FL 32935; 2507 Pineapple Ave Melbourne, FL 32935; 1945 Pineapple Ave Melbourne, FL 32935; 1849 Pineapple Ave Melbourne, FL 32935; 1787 Pineapple Ave Melbourne, FL 32935; 3479 N Sylvan Ln Melbourne, FL 32935; 3441 N Sylvan Ln Melbourne, FL 32935; 3781 Riverside Dr Melbourne, FL 32935; 3843 Riverside Dr Melbourne, FL 32935; 4117 N Highway 1 Melbourne, FL 32935; 1611 Bottle Palm Way Melbourne, FL 32935; 1621 Bottle Palm Way Melbourne, FL 32935; 4295 N Hwy US-1 Melbourne, FL 32935; 3799 Riverside Drive Melbourne, FL 32935; 3775 Riverside Drive Melbourne, FL 32935

Project Description: Brevard Zoo intends to construct 26,388 square feet of oyster projects in the North Basin of the IRL. We have reached out to property owners in the locations we intend to put these projects and have their support to move forward. The design will be site specific and will be approved by the County before construction begins. We will consult with the County to determine whether or not live oysters need to be added to each specific location.

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 living shorelines. We are not asking for any additional funding to continue this effort.

Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 1056

Total Phosphorus Reduction (pounds/year): 26

Costs

Total Project Cost: \$419,232.00

Estimated Cost per Pound Total Nitrogen Removed: \$397.00

Estimated Cost per Pound Total Phosphorus Removed: \$16,124.00

Eligible Tax Funding Cost Share: \$419,232.00

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: \$0.00

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: In addition to nutrient removal, oyster reefs provide wave attenuation, sediment stabilization and habitat to a wide range of aquatic species.

Notes: 26,388 square feet

Project Number: 184

Save Our Indian River Lagoon Funding Application Short Form:

Brevard Zoo Central Indian River Lagoon Tributary Pilot Oyster Project

Project Details

Entity: Brevard Zoo

Project Type: Oyster

Sub Lagoon: Central Indian River Lagoon

Location: The proposed site is located at 28.038817 latitude and -80.578705 longitude. If for any reason we cannot move forward with this site, a substitution site will be selected.

Project Description: Brevard Zoo intends to construct 14,520 square feet of oyster projects in the Central Basin of the IRL. This project is meant to be a pilot that will be broken into two phases. Phase one will consist of planting smaller, pilot reef across a tributary. Phase two will expand upon the most successful pilot plots. The design will be approved by the County before construction begins and we will consult with the County to determine whether or not live oysters need to be added.

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 living shorelines. We are not asking for any additional funding to continue this effort.

Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 581

Total Phosphorus Reduction (pounds/year): 15

Costs

Total Project Cost: \$230,657.00

Estimated Cost per Pound Total Nitrogen Removed: \$397.00

Estimated Cost per Pound Total Phosphorus Removed: \$15,377.00

Eligible Tax Funding Cost Share: \$230,657.00

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: \$0.00

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: In addition to nutrient removal, oyster reefs provide wave attenuation, sediment stabilization and habitat to a variety of aquatic species.

Notes: 14,520 square feet

Project Number: 185

Save Our Indian River Lagoon Funding Application Short Form:
Brevard Zoo North Indian River Lagoon Individual Oyster Project

Project Details

Entity: Brevard Zoo

Project Type: Oyster

Sub Lagoon: North Indian River Lagoon

Location: The proposed site is located at 28.124015 latitude and -80.623225 longitude. If for any reason we cannot move forward with this site, substitution sites will be selected.

Project Description: Brevard Zoo intends to construct 10,890 square feet of oyster projects in the North Basin of the IRL. We plan to construct this as a large segment of reef, covering one or two locations in the basin. The design will be approved by the County before construction begins and we will consult with the County to determine whether or not live oysters need to be added.

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 living shorelines. We are not asking for any additional funding to continue this effort.

Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 436

Total Phosphorus Reduction (pounds/year): 11

Costs

Total Project Cost: \$173,092.00

Estimated Cost per Pound Total Nitrogen Removed: \$397.00

Estimated Cost per Pound Total Phosphorus Removed: \$15,736.00

Eligible Tax Funding Cost Share: \$173,092.00

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: \$0.00

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: In addition to nutrient removal, oyster reefs provide wave attenuation, sediment stabilization and habitat for a wide range of aquatic species.

Notes: 10,890 square feet

Project Number: 186

Save Our Indian River Lagoon Funding Application Short Form:
Brevard Zoo Central Indian River Lagoon Oyster Project 3

Project Details

Entity: Brevard Zoo

Project Type: Oyster

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: 404 Riverside Drive Melbourne Beach, FL 32951; 2200 South River Road Melbourne Beach, FL 32951; 509 Ocean Ave Melbourne Beach, FL 32951; 1311 River Drive Melbourne, FL 32901; 2920 Bay Blvd. NE Palm Bay, FL 32905; 1458 Herndon Cir. NE Palm Bay, FL 32905; 1466 Herndon Cir. NE Palm Bay, FL 32905; 1363 Worth Ct. NE Palm Bay, FL 32905

Project Description: Brevard Zoo intends to construct 5,460 square feet of oyster projects in the Central Basin of the IRL. We have reached out to property owners in the locations we intend to put these projects and have their support to move forward. The design will be site specific and will be approved by the County before construction begins. We will consult with the County to determine whether or not live oysters need to be added to each specific location.

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 living shorelines. We are not asking for any additional funding to continue this effort.

Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 218

Total Phosphorus Reduction (pounds/year): 5

Costs

Total Project Cost: \$86,546.00

Estimated Cost per Pound Total Nitrogen Removed: \$397.00

Estimated Cost per Pound Total Phosphorus Removed: \$17,309.00

Eligible Tax Funding Cost Share: \$86,546.00

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: \$0.00

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: In addition to nutrient removal, oyster reefs provide wave attenuation, sediment stabilization and habitat for many aquatic species.

Notes: 5,460 square feet

Project Number: 187

Save Our Indian River Lagoon Funding Application Short Form:
Brevard Zoo Banana River Oyster Project 3

Project Details

Entity: Brevard Zoo

Project Type: Oyster

Sub Lagoon: Banana 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: 1420 South Banana River Drive Merritt Island, FL 32952; 11020 South Tropical Trail Merritt Island, FL 32952; 11426 South Tropical Trail Merritt Island, FL 32952; 11660 Dragon Point Drive Merritt Island, FL 32952; 300 Columbia Drive #3105 Cape Canaveral, FL 32920

Project Description: Brevard Zoo intends to construct 3,576 square feet of oyster projects in the Banana River Basin of the IRL. We have reached out to property owners in the locations we intend to put these projects and have their support to move forward. The design will be site specific and will be approved by the County before construction begins. We will consult with the County to determine whether or not live oysters need to be added to each specific location.

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 living shorelines. We are not asking for any additional funding to continue this effort.

Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 143

Total Phosphorus Reduction (pounds/year): 4

Costs

Total Project Cost: \$56,771.00

Estimated Cost per Pound Total Nitrogen Removed: \$397.00

Estimated Cost per Pound Total Phosphorus Removed: \$14,193.00

Eligible Tax Funding Cost Share: \$56,771.00

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share: \$0.00

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: In addition to nutrient removal, oyster reefs provide sediment stabilization, wave attenuation and habitat for a wide range of aquatic species.

Notes: 3,576 square feet

Project Number: 188

Save Our Indian River Lagoon Funding Application Short Form:

Avendia del Rio Septic to Sewer

Project Details

Entity: City of Melbourne

Project Type: Septic Removal/ Extend

Sub Lagoon: Central Indian River Lagoon

Location: 28.064738; -80.595707

Project Description: This project is to install low pressure force mains with the City right of way and help pay for the homeowner to abandon existing septic tanks and install lift stations. This project would help the homeowner will all the cost associated with the conversion from septic to municipal sewer including impact fees.

Education and Outreach:

Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 71

Total Phosphorus Reduction (pounds/year): 0

Costs

Total Project Cost: \$70,000.00

Estimated Cost per Pound Total Nitrogen Removed: \$986.00

Estimated Cost per Pound Total Phosphorus Removed:

Eligible Tax Funding Cost Share: \$70,000.00

Project Funding

Is Local Match in Adopted Budget: True

Dollar Amount of Local Cost Share:

Dollar Amount Secured Grant(s): \$30,000.00

Additional Information

Other Indian River Lagoon Benefits:

Notes: 3 connections; eligible for \$106,500

Project Number: 189

Save Our Indian River Lagoon Funding Application Short Form:

Bowers Septic to Sewer

Project Details

Entity: City of Melbourne

Project Type: Septic Removal/ Extend

Sub Lagoon: North Indian River Lagoon

Location: 28.135203; -80.657242

Project Description: This project is to install low pressure force mains with the City right of way and help pay for the homeowner to abandon existing septic tanks and install lift stations. This project would help the homeowner will all the cost associated with the conversion from septic to municipal sewer including impact fees.

Education and Outreach:

Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 120

Total Phosphorus Reduction (pounds/year): 0

Costs

Total Project Cost: \$147,000.00

Estimated Cost per Pound Total Nitrogen Removed: \$1,225.00

Estimated Cost per Pound Total Phosphorus Removed:

Eligible Tax Funding Cost Share: \$147,000.00

Project Funding

Is Local Match in Adopted Budget: True

Dollar Amount of Local Cost Share: \$0.00

Dollar Amount Secured Grant(s): \$72,000.00

Additional Information

Other Indian River Lagoon Benefits:

Notes: 6 connections; eligible for \$180,000

Project Number: 190

Save Our Indian River Lagoon Funding Application Short Form:
Kent and Villa Espana Septic to Sewer Conversion

Project Details

Entity: City of Melbourne

Project Type: Septic Removal/ Extend

Sub Lagoon: North Indian River Lagoon

Location: 28.1625007 -80.6481145

Project Description: This project will be to remove 16 single family homes currently on septic but the installation of low pressure force mains. This project will also help offset the homeowners cost for abandoning their septic tank and installation of new lift station and all associated permitting fees.

Education and Outreach:

Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 542

Total Phosphorus Reduction (pounds/year): 0

Costs

Total Project Cost: \$710,000.00

Estimated Cost per Pound Total Nitrogen Removed: \$1,310.00

Estimated Cost per Pound Total Phosphorus Removed:

Eligible Tax Funding Cost Share: \$710,000.00

Project Funding

Is Local Match in Adopted Budget: True

Dollar Amount of Local Cost Share: \$294,000.00

Dollar Amount Secured Grant(s): \$294,000.00

Additional Information

Other Indian River Lagoon Benefits: reduction of overflows of bacteria

Notes: 37 connections; eligible for \$813,000

Project Number: 191

Save Our Indian River Lagoon Funding Application Short Form:
Micco Sewer Line Extension (Phase I & II)

Project Details

Entity: Brevard County

Project Type: Septic Removal/ Extend

Sub Lagoon: Central Indian River Lagoon

Location: 27°52'4.22"N, 80°29'39.88"W

Project Description: The Micco Sewer Line Extension Project (Phase I & II) is a combination of the original Micco Project and the Phase II submitted as a Year 4 substitute project

Education and Outreach:

Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 1493

Total Phosphorus Reduction (pounds/year): 1493

Costs

Total Project Cost: \$2,704,444.00

Estimated Cost per Pound Total Nitrogen Removed: \$1,811.00

Estimated Cost per Pound Total Phosphorus Removed:

Eligible Tax Funding Cost Share: \$2,239,500.00

Project Funding

Is Local Match in Adopted Budget: False

Dollar Amount of Local Cost Share:

Dollar Amount Secured Grant(s): \$214,920.00

Additional Information

Other Indian River Lagoon Benefits: pathogens

Notes: 22 connections; combined previously approved Micco projects with adjustments; previously approved for \$2,748,245; reduction in eligible funds, less \$508,745.

Project Number: 3

Save Our Indian River Lagoon Funding Application Short Form:

Oak Point Wastewater Treat Facility Improvements

Project Details

Entity: Oak Point Mobile Home Park

Project Type: Septic Removal/ Extend

Sub Lagoon: North Indian River Lagoon

Location: 0.5 miles north of Kings Highway on Highway US 1

Project Description: Replace existing wastewater treatment plant with lift station & force main to City of Titusville public sewer

Education and Outreach: None

Estimated Water Quality Benefits

Total Nitrogen Reduction (pounds/year): 186

Total Phosphorus Reduction (pounds/year): 0

Costs

Total Project Cost: \$604,750.00

Estimated Cost per Pound Total Nitrogen Removed: \$3,251.00

Estimated Cost per Pound Total Phosphorus Removed:

Eligible Tax Funding Cost Share: \$279,000.00

Project Funding

Is Local Match in Adopted Budget: True

Dollar Amount of Local Cost Share: \$379,750.00

Dollar Amount Secured Grant(s):

Additional Information

Other Indian River Lagoon Benefits: Latest annual average BOD of 3.44 mg/l will be eliminated

Notes: Repair package plant and connect to sewer for 108 mobile home park residences

Project Number: 192



Save Our Indian River Lagoon
Citizen Oversight Committee
November 20, 2020

Agenda Item:

VIII. b. New Business

Title:

2021 Meeting Calendar

Requested Action:

Motion to recommend adoption of the attached meeting schedule for 2021.

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 2021 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 15, 2021
February 19, 2021
March 19, 2021
April 16, 2021
May 21, 2021
June Break
July 16, 2021
August 20, 2021
September, 17, 2021
October 15, 2021
November 19, 2021
December 17, 2021

Committee Executive Secretary
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