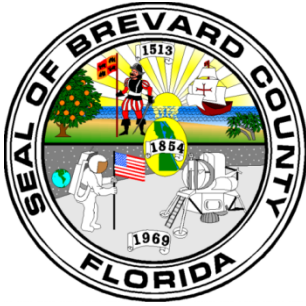




Brevard County
Save Our Indian River Lagoon Project Plan
Citizen Oversight Committee

October 19, 2018 – 8:30 to 11:30 am
Brevard County Government Center
2725 Judge Fran Jamieson Way
Building C, 1st Floor, Commission Room
Viera Florida 32940

- I. Call to Order
- II. Roll Call
- III. Approval of the Agenda
- IV. Approval of Minutes
- V. Monthly Progress and Fiscal Reports – Virginia Barker, Director
 - a. October 2018 Progress Report
 - i. Save Our Indian River Lagoon Project Performance Table
 - ii. Save Our Indian River Lagoon Project Process Timeline
 - iii. Revised Dashboard Graphic – Brandon Smith, Environmental Specialist
 - b. Financial Statement and Revenue Graph
- VI. Other Reports and Special Presentations
 - a. Crane Creek (M-1 Rediversion) Project Update – Dr. Ann Shortelle, Executive Director, St. Johns River Water Management District and Drew Bartlett, Assistant Secretary, Florida Department of Environmental Protection
 - b. Tourist Development Council Lagoon Tourism Grant Program – Stacey Delano, Tourism Finance Manager
 - c. Septic Ordinance Analysis and Project Prioritization Implications – Virginia Barker, Director and Anthony Gubler, Environmental Specialist
- VII. New Business
 - a. Meeting Frequency and Proposed By Laws Change - John Byron
 - b. Septic Ordinance Compliance Grants – Virginia Barker, Director
 - c. Interlocal Coordination Meeting – Feedback from Cities
 - d. Plan Update Survey – Brandon Smith, Environmental Specialist
 - e. Outputs and Outcomes Graphic - Virginia Barker, Director
 - f. Citizens Oversight Committee Reappointments
- VIII. General Public Comment
- IX. Final Comments by Chair and Committee Members
- X. Adjournment

Save Our Indian River Lagoon
Citizen Oversight Committee Meeting Minutes

September 21, 2018 – 8:30 a.m. – 11:30 a.m.

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

Members Present:

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

Staff Present:

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

I. Call to Order

II. Roll Call

A quorum was established.

III. Approval of the Agenda

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

IV. Approval of Minutes

John Byron moved to approve the September, 2018 Minutes as written; Seconded by David Lane. Motion was unanimously approved.

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

a. September 2018 Progress Report

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

i. Save Our Indian River Lagoon Project Performance Table

Brandon Smith spoke briefly on the Save Our Indian River Lagoon Project Performance Table. Discussion ensued.

The Committee's questions were answered by Virginia Barker and Brandon Smith.

ii. Save Our Indian River Lagoon Project Process Timeline

Item was discussed under Item V.a.i., Save Our Indian River Lagoon Project Performance Table.

b. Financial Statement and Revenue Graph

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

The Committee's questions were answered by Virginia Barker.

VI. Other Reports and Special Presentations

a. Nitrification/ Denitrification 101 – Marty Wanielista, PhD, University of Central Florida Stormwater Academy.

Dr. Wanielista, University of Central Florida Stormwater Academy, gave a power point presentation on Nitrification and Denitrification. Discussion ensued.

The Committee's questions were answered by Dr. Wanielista and Virginia Barker.

b. Using Bioactive Media to Solve Real World Problems in Stormwater and Wastewater Applications – Antony Rios, E.I., Environmental Conservation Solutions, LLC

Antony Rios, E.I., gave a power point presentation on Using Bioactive Media to Solve Real World Problems in Stormwater and Wastewater Applications. Discussion ensued.

The Committee's questions were answered by Mr. Rios and Virginia Barker.

c. Nutrient Removal with Solar Filtration – Randy Burden, EcoSense and Leesa Souto, PhD, Marine Resources Council

Randy Burden, Director of Engineering, EcoSense International, gave a power point presentation on Nutrient Removal with Solar Filtration. Dr. Leesa Souto, Executive Director of Marine Resources Council mentioned Marine Resources Council water quality volunteers could monitor to see if the device was making a difference. Discussion ensued.

The Committee's questions were answered by Randy Burden.

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

Due to time constraints, Item VI.d. was postponed to the October 19, 2018 Save Our Indian River Lagoon Citizen Oversight Committee meeting.

e. Engaging Emerging Technology – Duane De Freese, PhD, Indian River Lagoon National Estuary Program

Dr. Duane De Freese gave a power point presentation on Engaging Emerging Technology. Discussion ensued.

The Committee's questions were answered by Dr. De Freese.

Courtney Barker moved to extend the meeting thirty minutes; Seconded by Lorraine Koss. Motion was unanimously approved.

VII. New Business

a. Meeting Frequency and Proposed By Laws Change – John Byron

Due to time constraints, Item VII.a., was postponed until the October 19, 2018 Save Our Indian River Lagoon Citizen Oversight Committee meeting.

b. Proposed 2019 Cost-share Eligibility by Project Type – Virginia Barker

Virginia Barker noted that County staff would be hosting its' annual meeting with Cities on October 27th to talk about how to apply for funds during next years' cycle. Ms. Barker mentioned that cost-share eligibility would need to be provided to the cities at the Annual meeting

Virginia Barker addressed the Committee's concerns from last months' meeting regarding whether there was another way to calculate costs and eligibility other than average. Ms. Barker noted that a conference call meeting with Courtney Barker and Todd Swingle to discuss options was held. Ms. Barker gave a summary of what was discussed at the meeting. Discussion ensued.

i. Update on Private Sewer Lateral Smoke Testing – Anthony Gubler

The Committee's questions on Private Sewer Lateral Smoke Testing were answered by Virginia Barker.

Courtney Barker moved to approve extending the Private Lateral Smoke Testing Program out to the Cities and to the Utilities to propose project areas, and for County Staff to propose a dollar limit to the Citizen Oversight Committee; Seconded by John Windsor. Motion was unanimously approved.

John Byron moved to extend the meeting to complete item VII.b., Proposed Cost-share Eligibility by Project Type and General Public Comments; Seconded by David Lane. Motion was unanimously approved.

Discussion on Proposed 2019 Cost-share Eligibility by Project Type ensued. The Committee's questions were answered by Virginia Barker.

Courtney Barker moved to approve the Proposed 2019 Cost-share Eligibility by Project Type as presented; Seconded by John Windsor.

c. Survey to Gather Recommendations to Consider for the 2019 Plan Update

Item VII.c., Survey to Gather Recommendations to Consider for the 2019 Plan Update, was tabled.

VIII. General Public Comment

Public Comments were heard.

IX. Final Comments by Chair and Committee Members

Final Comments were heard.

X. Adjournment



Save Our Indian River Lagoon Project Plan October 2018 Progress Report

WORK COMPLETED THIS MONTH:

- Septic Ordinance approved County-wide with unanimous County Commission vote
- Grand Canal Muck Dredging – Temporary Use Authorization and Bid Advertisement approved
- Post-Irma Turkey Creek Dredging – Documents submitted for 87.5% reimbursement
- Muck Dredging Master Permit - initial seagrass and bathymetric survey field work completed for Titusville
- Kingsmill-Aurora Stormwater - appraisals approved by Land Acquisition Review Committee
- Flounder and Johns Rd Stormwater Projects - designs complete
- Homeowner Grant Program –templates complete for septic to sewer, lateral repairs and septic upgrades
- Dashboard thermometer images revised to add funds spent, projects underway and projects complete

WORK UNDERWAY THIS MONTH:

- Prioritizing Septic to Sewer and Septic Upgrades using model results from the septic ordinance study
- Discussing a partnership with industry and the state to test innovative septic technology in Brevard
- PFAS assessment of groundwater, muck, and lagoon surface waters underway
- Mims Muck Dredging and Outflow Treatment - dredging continues, Florida Tech research underway
- Cocoa Beach - Muck Dredging contract is approximately 43% complete
- Grand Canal Muck Dredging – finalizing bid package for advertisement
- Muck Dredging Individual Permits – site visit with state permit staff for Eau Gallie area of Indian River
- Sykes Creek Muck Dredging –“Phase 1” seagrass survey and final design of spoil site under way
- Muck Dredging Master Permit - initial seagrass and bathymetric survey work underway for Rockledge
- Muck Finders – Milford Point NTP issued, sampling to occur this month
- Palm Bay - North Region Water Reclamation Facility – upgrade design is underway
- Sykes Creek Zones M & T – Soil & groundwater surveying complete, design underway
- Sykes N Septic-to-Sewer –design underway for expanded project area
- South Central C Septic-to-Sewer – Survey complete, preliminary design underway
- Titusville - South Street bid awarded, construction to begin this quarter
- Titusville - St. Teresa and La Paloma – 95% design underway
- Huntington Pond Stormwater Project - design underway, over 90% complete
- Stormwater Basins 1349 and 1409 – design scopes requested for denitrification projects
- Kingsmill-Aurora – preparing request for County Commission approval of land purchase
- Crane Creek M-1 Flow Restoration - contract template revised and submitted for signatures
- Cocoa Church Street Baffle Box contract submitted to city for signatures
- Grass Clippings Outreach Study underway
- Developing a Story Map of all Save Our Indian River Lagoon Project Plan projects to post on the website
- Creating Frequently Asked Questions document for website and social media responses
- Filming “My Lagoon Story” videos with Citizens Oversight Committee members
- Arranging Living Shoreline Demonstration Site video and Oyster Monitoring Video with Brevard Zoo
- Turkey Creek Collaborative video with Melbourne Tillman Water Control District and Palm Bay
- UCF Monitoring – Bomalaski oyster reef, Lagoon House and Cocoa Beach Country Club shoreline plantings
- Working on fiscal year close out, audit verification documentation and purchase orders for new fiscal year



MEETINGS THIS MONTH:

September 25 – Friends of St. Sebastian Presentation: Brandon
September 27 – Intergovernmental Coordination Meeting with Municipalities, NASA/KSC and Air Force: Team
September 29 – Erin Brockovich Community Meeting on Water and Public Health: Virginia
September 28 – FIT Indian River Lagoon Research Institute TechCon Presentations: Virginia, Walker, Anthony
October 2-4 – 2018 Lionfish Summit: Brandon
October 9 – Florida Sport Fishing Association: Brandon
October 25 – Cocoa Beach Regional Chamber of Commerce - Convention and Visitors Bureau Power Lunch: Virginia
November 5 – North Merritt Island HOA: Walker
February 12 – East Merritt Island HOA: Brandon
February 18 – Christian Women Business Association: Anthony

WEBSITE AND SOCIAL MEDIA LINKS:

Website: <http://www.brevardfl.gov/SaveOurLagoon>
Facebook: <https://www.facebook.com/BrevardCountySaveOurLagoon>;
Instagram: <https://www.instagram.com/saveourlagoon/>
YouTube: <https://goo.gl/GBh6xU>

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

Restore Our Shores Living Shoreline Q & A, October 23 <https://restoreourshores.org/volunteer-we-need-you/>
Sharing Our Research with Everyone (ShORE) Symposium, November 30, <http://www.daytonastate.edu/shore/>
Diamond Back Terrapin Working Group: Florida Regional Meeting, February 8, contact Joe Butler jbutler@unf.edu

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

Brevard Zoo Restore Our Shores – Adopt a Mangrove, November 1, 2018, 5:00 pm – 6:00 pm
And Reef Monitoring, October 19 & 20, <https://restoreourshores.org/volunteer-we-need-you/>
Marine Resources Council - Mangrove Workshop, November 3, 2018, 9:30 am – 11:00 am
Lagoon Friendly Lawns – contact Kaylyn Palmer of Keep Brevard Beautiful at 321-631-0501
Fish Kill Response Cleanup: contact Desiree Lesko of Keep Brevard Beautiful at 321-631-0501
Muck Finders - contact Jared McNally, jared@mrcl.org, at the Marine Resources Council

FUTURE TOPICS FOR SPECIAL PRESENTATIONS:

1. Circulation Enhancement Opportunities for the Indian River Lagoon – Dr. Duane De Freese, and Dr. Gary Zarillo
2. Re-use/Reclaimed Water – Nutrient Loading Impacts and Opportunities
3. Innovative Stormwater Treatment and Harvesting of Aquatic Weeds
4. Scientific Peer Review of the Save Our Indian River Lagoon Project Plan and Recommended Updates
5. Coordinating Dredging and Spoil Management with Florida Inland Navigation District
6. Mechanical Dewatering of Muck and Methods for Stripping Nutrients from Interstitial Water
7. Indian River Lagoon Research News: TechCon, ShORE, and Harbor Branch Symposium Highlights
8. Completed and Ongoing Muck Research – Florida Tech and Ocean Research Conservation Association
9. Lagoon Fish and Fisheries
10. A Day in the Life of the Indian River Lagoon Summary – Missy Weiss

Save Our Indian River Lagoon Performance Table

Responsible Entity	Project Name	Project Type	Grant Confirmation Notice Sent	Scope of Work Received	Contract Prepared	Executed By County	Executed By Grantee	Project Complete	Reimbursement Requested	Reimbursement Sent
Brevard County	Long Point Park Upgrade	Septic Upgrade							100.00%	100.00%
Brevard County	Denitrification Retrofit of Johns Rd Pond (Engineering)	Stormwater Traditional							16.28%	16.28%
Brevard County	Denitrification Retrofit of Johns Rd Pond (Construction)	Stormwater Traditional		Expected Fiscal Year 2018/19						
Brevard County	Kingsmill-Aurora Phase 2 of 2 (Land Acquisition)	Stormwater Traditional								
Brevard County	Kingsmill-Aurora Phase 2 of 2 (Engineering)	Stormwater Traditional								
Brevard County	Kingsmill-Aurora Phase 2 of 2 (Construction)	Stormwater Traditional		Expected Fiscal Year 2020/21						
Brevard County	Denitrification Retrofit of Huntington Pond (Engineering)	Stormwater Traditional							4.60%	4.60%
Brevard County	Denitrification Retrofit of Huntington Pond (Construction)	Stormwater Traditional		Expected Fiscal Year 2018/19						
Brevard County	Denitrification Retrofit of Flounder Creek Pond (Engineering)	Stormwater Traditional							26.45%	26.45%
Brevard County	Denitrification Retrofit of Flounder Creek Pond (Construction)	Stormwater Traditional		Expected Fiscal Year 2018/19						
Brevard County	Mims Muck Removal: Outflow Water Nutrient Removal (Engineering)	Muck Removal & Interstitial Treatment								
Brevard County	Mims Muck Removal: Outflow Water Nutrient Removal (Construction)	Muck Removal & Interstitial Treatment		Expected Fiscal Year 2018/19						

Responsible Entity	Project Name	Project Type	Grant Confirmation Notice Sent	Scope of Work Received	Contract Prepared	Executed By County	Executed By Grantee	Project Complete	Reimbursement Requested	Reimbursement Sent
Brevard County	Grand Canal Muck Dredging (Engineering)	Muck Removal & Interstitial Treatment								
Brevard County	Grand Canal Muck Dredging (Construction)	Muck Removal & Interstitial Treatment		Expected Fiscal Year 2018/19						
Brevard County	Sykes Creek Muck Dredging (Engineering)	Muck Removal & Interstitial Treatment								
Brevard County	Sykes Creek Muck Dredging (Construction)	Muck Removal & Interstitial Treatment		Expected Fiscal Year 2019/20						
Brevard County	Muck Re-dredging in Turkey Creek (Engineering)	Muck Removal & Interstitial Treatment							included below	included below
Brevard County	Muck Re-dredging in Turkey Creek (Construction)	Muck Removal & Interstitial Treatment							60.41%	60.41%
Brevard County	Muck Interstitial Water Treatment for Turkey Creek	Muck Removal & Interstitial Treatment							included above	included above
Brevard County	Merritt Island Muck Removal, Phase 1 of 2 (Engineering)	Muck Removal & Interstitial Treatment		Expected Fiscal Year 2018/19						
Brevard County	Merritt Island Muck Removal, Ph 1 of 2 (Construction)	Muck Removal & Interstitial Treatment		Expected Fiscal Year 2018/19						
Brevard County	Titusville Area Muck Removal, (Engineering)	Muck Removal & Interstitial Treatment							0.14%	0.14%
Brevard County	Titusville Area Muck Removal (Construction)	Muck Removal & Interstitial Treatment		Expected Fiscal Year 2018/19						

Responsible Entity	Project Name	Project Type	Grant Confirmation Notice Sent	Scope of Work Received	Contract Prepared	Executed By County	Executed By Grantee	Project Complete	Reimbursement Requested	Reimbursement Sent
Brevard County	Eau Gallie Area Muck Dredging (Engineering)	Muck Removal & Interstitial Treatment							0.15%	0.15%
Brevard County	Eau Gallie Area Muck Dredging (Construction)	Muck Removal & Interstitial Treatment		Expected Fiscal Year 2018/19						
Brevard County	Sewer Lateral Replacement Repair - Sat. Bch Pilot (Engineering)	Sewer Upgrades								
Brevard County	Sewer Lateral Replacement Repair - Sat. Bch Pilot (Construction)	Sewer Upgrades		Expected Fiscal Year 2018/19						
Brevard County	Sykes Creek - Zone N (Engineering)	Septic Removal							1.71%	1.71%
Brevard County	Sykes Creek - Zone N (Construction)	Septic Removal		Expected Fiscal Year 2018/19						
Brevard County	Sykes Creek - Zone M (Engineering)	Septic Removal							1.03%	1.03%
Brevard County	Sykes Creek - Zone M (Construction)	Septic Removal		Expected Fiscal Year 2019/20						
Brevard County	Sykes Creek - Zone T (Engineering)	Septic Removal							0.70%	0.70%
Brevard County	South Central - Zone C (Engineering)	Septic Removal							1.80%	1.80%
Brevard County	Micco Sewer Line Extension (Engineering)	Septic Removal							10.61%	10.61%
Brevard County	Micco Sewer Line Extension (Construction)	Septic Removal		Expected Fiscal Year 2018/19						
Brevard County	Riverview Senior Resort (Engineering)	Living Shoreline - Oyster							included below	included below
Brevard County	Riverview Senior Resort (Construction)	Living Shoreline - Oyster							50.00%	50.00%
Brevard County	Marsh Harbor (Engineering)	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						

Responsible Entity	Project Name	Project Type	Grant Confirmation Notice Sent	Scope of Work Received	Contract Prepared	Executed By County	Executed By Grantee	Project Complete	Reimbursement Requested	Reimbursement Sent
Brevard County	Marsh Harbor (Construction)	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Brevard County	Indian River Drive (Engineering)	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Brevard County	Indian River Drive (Construction)	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Brevard Zoo	Eden Isles Lane	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Brevard Zoo	Marina Isles	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Brevard Zoo	Bettinger	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Brevard Zoo	Gitlin	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Brevard Zoo	Coconut Pt/EELS	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Brevard Zoo	Wexford	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Brevard Zoo	Bomalaski	Living Shoreline - Oyster								
Brevard Zoo	Oliver	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Cape Canaveral	Cocoa Palms LID	Stormwater Traditional		Expected Fiscal Year 2017/2018						
Cape Canaveral	Carver Cover Swales	Stormwater Traditional		Expected Fiscal Year 2017/2018						
Cape Canaveral	Central Blvd Baffle Box	Stormwater Traditional							100.00%	100.00%
Cape Canaveral	Cape Shores Swales	Stormwater Traditional		Expected Fiscal Year 2018/19						
Cape Canaveral	Justamere Rd. Swale	Stormwater Traditional		Expected Fiscal Year 2018/19						

Responsible Entity	Project Name	Project Type	Grant Confirmation Notice Sent	Scope of Work Received	Contract Prepared	Executed By County	Executed By Grantee	Project Complete	Reimbursement Requested	Reimbursement Sent
Cape Canaveral	Hitching Post Berms	Stormwater Traditional		Expected Fiscal Year 2018/19						
Cocoa	Church Street Type II Baffle Box	Stormwater Traditional								
Cocoa Beach	Stormwater LID Convair Cove 1 Blakey Blvd	Stormwater Traditional		Expected Fiscal Year 2018/19						
Cocoa Beach	Stormwater LID Convair Cove 2 Demsey Drive	Stormwater Traditional		Expected Fiscal Year 2018/19						
Cocoa Beach	Cocoa Beach Muck Dredging-Phase III	Muck Removal & Interstitial Treatment							23.04%	23.04%
Cocoa Beach	Cocoa Beach Muck Dredging-Phase III Interstitial	Muck Removal & Interstitial Treatment		Expected Fiscal Year 2018/19						
Cocoa Beach	McNabb Park	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Cocoa Beach	McNabb Park - Plants	Living Shoreline - Plants		Expected Fiscal Year 2018/19						
Indian Harbour Beach	Gleason Park Reuse	Stormwater Traditional							100.00%	100.00%
Indian Harbour Beach	Muck Removal of IHB Canals	Muck Removal & Interstitial Treatment		Expected Fiscal Year 2018/19						
Indian Harbour Beach	Muck Interstitial Water Treatment for IHB Canals	Muck Removal & Interstitial Treatment		Expected Fiscal Year 2018/19						
Indian Harbour Beach	Big Muddy @ Cynthia Baffle Box	Stormwater Traditional		Expected Fiscal Year 2018/19						
Marine Resources Council	Grass Clippings Campaign	Education Outreach								

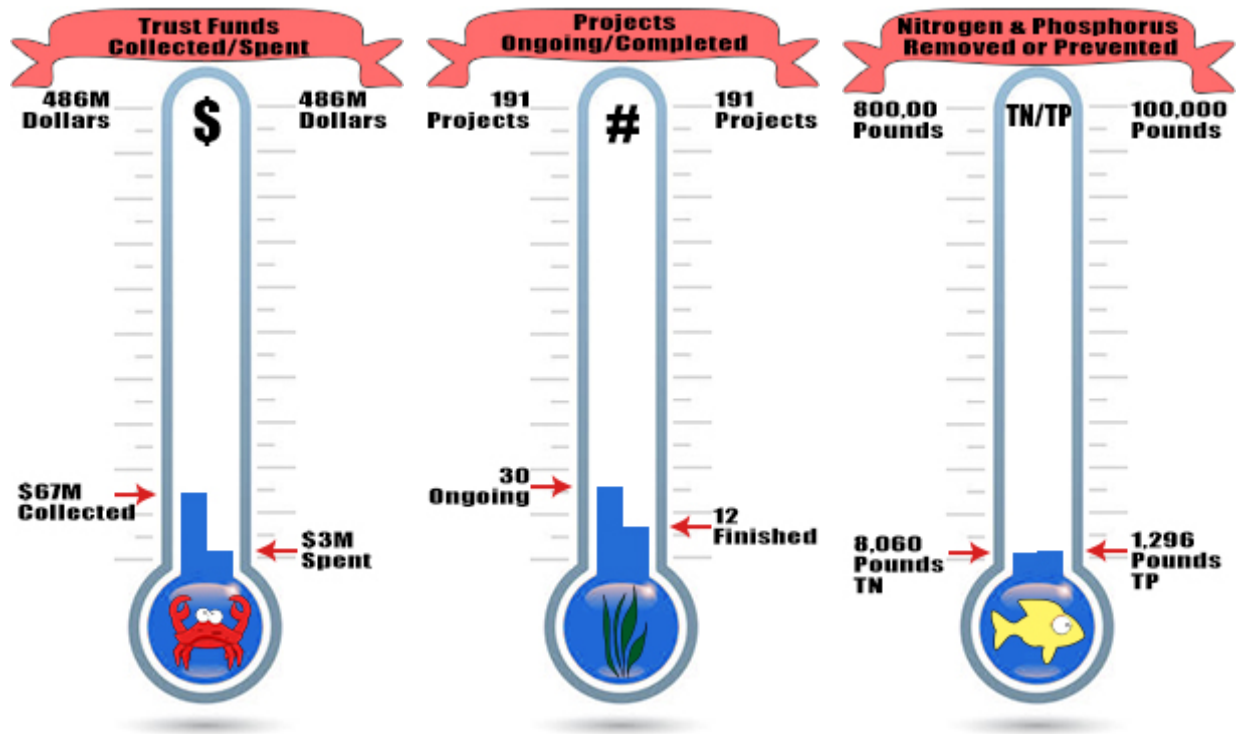
Responsible Entity	Project Name	Project Type	Grant Confirmation Notice Sent	Scope of Work Received	Contract Prepared	Executed By County	Executed By Grantee	Project Complete	Reimbursement Requested	Reimbursement Sent
Marine Resources Council	Cocoa Beach Country Club	Living Shoreline - Plants							100.00%	100.00%
Marine Resources Council	Lagoon House Shoreline Restoration Planting	Living Shoreline - Plants							100.00%	100.00%
Melbourne	Hoag Sewer Conversion	Septic Removal								
Melbourne	Pennwood Sewer Conversion	Septic Removal								
Melbourne	Cliff Creek Baffle Box	Stormwater Traditional								
Melbourne	Thrush Drive Baffle Box	Stormwater Traditional								
Melbourne	Stewart Road Dry Retrofit	Stormwater Traditional		Expected Fiscal Year 2018/19						
Melbourne	Riverside Drive Septic Removal Conversion	Septic Removal		Expected Fiscal Year 2018/19						
Melbourne	Riverview Park	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Melbourne	Riverview Park	Living Shoreline - Plants		Expected Fiscal Year 2018/19						
Melbourne	Septic Removal Melbourne	Septic Removal		Expected Fiscal Year 2019/20						
Merritt Island	Merritt Island Septic Removal Phase 1 of 2	Septic Removal							5.61%	5.61%
Merritt Island	Merritt Island Septic Removal Phase 2 of 2	Septic Removal								
Palm Bay	Bayfront Stormwater Project	Stormwater Traditional							100.00%	100.00%
Palm Bay	Turkey Creek Shoreline Restoration	Living Shoreline		Expected Fiscal Year 2018/19						

Responsible Entity	Project Name	Project Type	Grant Confirmation Notice Sent	Scope of Work Received	Contract Prepared	Executed By County	Executed By Grantee	Project Complete	Reimbursement Requested	Reimbursement Sent
Palm Bay	North Region WRF	WWTF Upgrades							3.11%	3.11%
Palm Bay	Septic Removal - Palm Bay near sewer	Septic Removal		Expected Fiscal Year 2018/19						
Palm Bay	Septic Removal - Palm Bay B	Septic Removal		Expected Fiscal Year 2018/19						
Rockledge	Breeze Swept Septic Removal	Septic Removal							100.00%	100.00%
SJRWMD	Crane Creek/M-1 Canal Flow Restoration	Stormwater Traditional								
Titusville	St. Teresa Basin Treatment	Stormwater Traditional								
Titusville	South St. Basin Treatment	Stormwater Traditional								
Titusville	La Paloma Basin Treatment	Stormwater Traditional								
Titusville	Osprey WWTF	WWTF Upgrades								
West Melbourne	Sylvan Estates Septic Removal Conversion	Septic Removal								

Previous Month Grant Confirmation Notice Sent Total	Previous Month Scope of Work Received Total	Previous Month Contract Prepared Total	Previous Month Executed By County Total	Previous Month Executed by Grantee Total	Previous Month Project Complete Total	Previous Month Reimbursement Requested Total	Previous Month Reimbursement Sent Total
137	62	61	59	59	16	23	23

Current Month Grant Confirmation Notice Sent Total	Current Month Scope of Work Received Total	Current Month Contract Prepared Total	Current Month Executed By County Total	Current Month Executed by Grantee Total	Current Month Project Complete Total	Current Month Reimbursement Requested Total	Current Month Reimbursement Sent Total
137	63	61	60	59	16	38	38

Brevard County Save Our Lagoon Dashboard



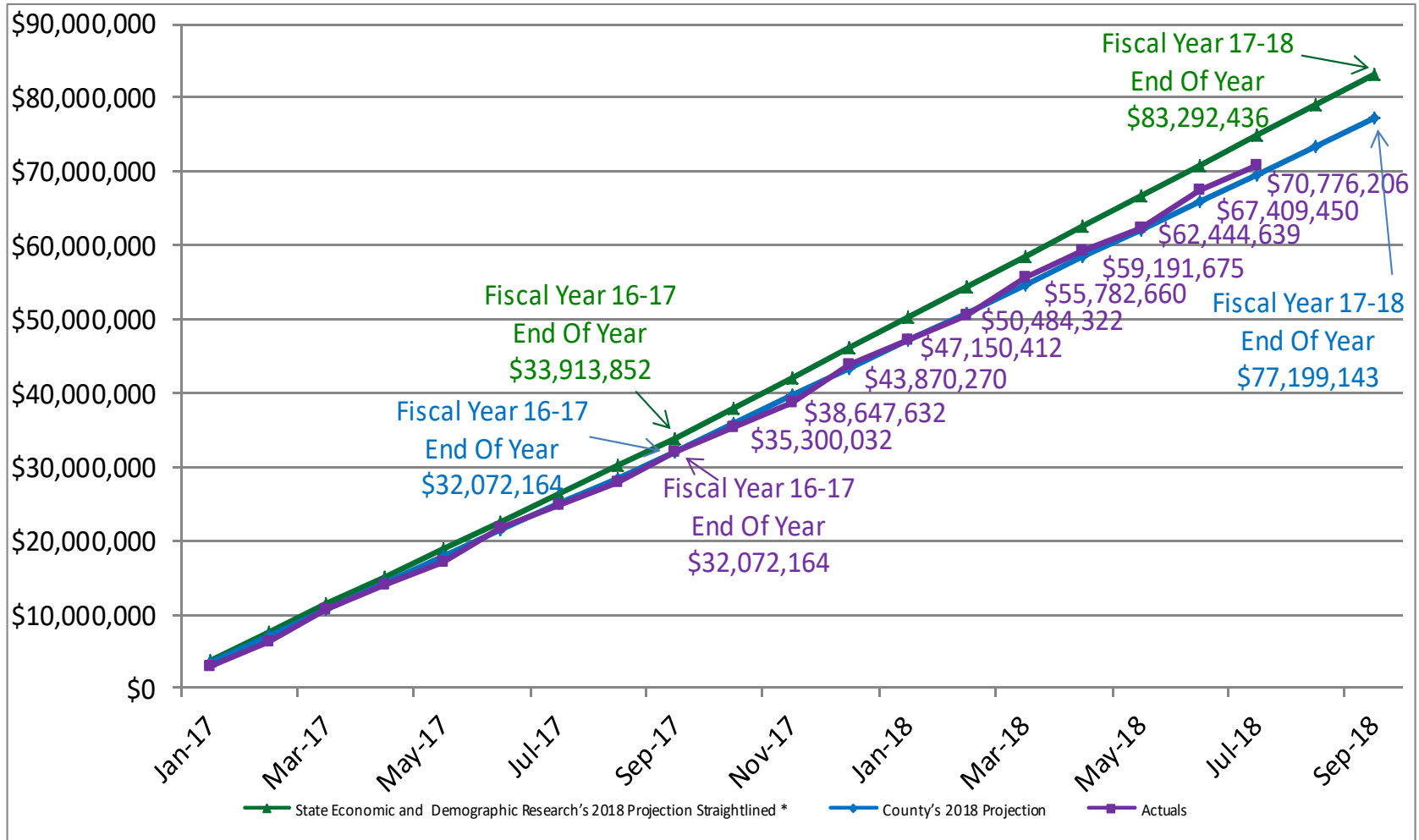
Text Version of the Dashboard

Current Trust Funds Collected totals 67 million dollars and Current Trust Funds Spent totals 3 million dollars of a projected 486 million dollars over 10 years.

Current Projects Ongoing totals 30 and Current Projects Finished totals 12 out of 191 projects.

Current Nitrogen Removed or Prevented totals 8,060 pounds of a projected total of 800,000 pounds over 10 years. Current Phosphorous Removed or Prevented totals 1,296 pounds of a projected total of 100,000 pounds over 10 years.

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



* 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

- For Screen Readers use the Save Our Indian River Lagoon Revenues Cumulative Fiscal Year 16-17 to Current Fiscal Year Table

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

Date	State Economic and Demographic Research's 2018 Projection Straightlined *	County's 2018 Projection	Actuals
17-Jan	\$3,768,206	\$3,563,574	\$3,059,013
17-Feb	\$7,536,412	\$7,127,148	\$6,217,230
17-Mar	\$11,304,617	\$10,690,721	\$10,686,395
17-Apr	\$15,072,823	\$14,254,295	\$13,941,510
17-May	\$18,841,029	\$17,817,869	\$17,177,137
17-Jun	\$22,609,235	\$21,381,443	\$21,754,009
17-Jul	\$26,377,441	\$24,945,016	\$24,898,729
17-Aug	\$30,145,647	\$28,508,590	\$27,890,034
17-Sep	\$33,913,852	\$32,072,164	\$32,072,164
17-Oct	\$38,028,734	\$35,832,746	\$35,300,032
17-Nov	\$42,143,616	\$39,593,327	\$38,647,632
17-Dec	\$46,258,498	\$43,353,909	\$43,870,270
18-Jan	\$50,373,380	\$47,114,490	\$47,150,412
18-Feb	\$54,488,262	\$50,875,072	\$50,484,322
18-Mar	\$58,603,144	\$54,635,653	\$55,782,660
18-Apr	\$62,718,026	\$58,396,235	\$59,191,675
18-May	\$66,832,908	\$62,156,817	\$62,444,639
18-Jun	\$70,947,790	\$65,917,398	\$67,409,450
18-Jul	\$75,062,672	\$69,677,980	\$70,776,206
18-Aug	\$79,177,554	\$73,438,561	
18-Sep	\$83,292,436	\$77,199,143	

*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

Save Our Indian River Lagoon - FY 2018

Financial Statement as of 10 October 2018

Fund 1260

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

Revenues

Commodity	Budget	Total Assigned YTD*	% Earned
Taxes	\$ 45,126,979	\$ 38,704,042	85.77%
Interest Earned	\$ 401,251	\$ 650,959	162.23%
Insurance Claims		\$ 224	
Federal Grants	\$ 1,357,269	\$ -	
State Grants	\$ 226,212	\$ -	
Cost Sharing - SJRWMD	\$ 678,730	\$ -	
Statutory Reduction	\$ (2,389,524)	\$ -	
Balance Forward	\$ 31,883,823	\$ 31,883,823	
Total	\$ 77,284,740	\$ 71,239,048	

Expenditures (Roll-Up)

Commodity	Budget	Total Assigned YTD*	Actuals
Compensation & Benefits	\$ 456,636	\$ 382,932	\$ 361,713
Operating Expenses	\$ 98,944	\$ 53,840	\$ 70,676
Operating Expenses - Available now for YEAR 2 & 3 Design & Permitting	\$ 2,827,037	\$ -	\$ -
Capital Outlay	\$ 5,600	\$ 5,467	\$ 5,467
Transfers	\$ -	\$ -	\$ -
SOIRL Projects funded under Operating Expenses	\$ 3,883,000	\$ 553,058	\$ 131,661
SOIRL Projects funded under Capital Improvement	\$ 23,757,735	\$ 3,231,538	\$ 1,435,924
SOIRL Projects funded under Aid to Gov't Agencies	\$ 25,016,643	\$ 2,111,019	\$ 1,338,311
SOIRL Projects funded under Aid to Private Organizations	\$ 716,905	\$ 48,980	\$ 40,080
A1-Contingency	\$ 2,997,322	\$ -	\$ -
Reserves	\$ 17,524,918	\$ -	\$ -
Total	\$ 77,284,740	\$ 6,386,835	\$ 3,383,832

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

SOIRL Projects

Project Title SOIRL Projects funded under Operating Expenses	Contracted**	Budget	Total Assigned YTD*	Actuals
1-Project Monitoring (Respond) CM's: 3972, 3971, 3959, 3690, 3979, 3973, 4047	\$ 402,097	\$ 1,000,000	\$ 522,658	\$ 127,831
1-Community Awareness Initiatives	\$ 10,400	\$ 25,000	\$ 10,400	\$ 3,830
1-Fertilizer Management Public Education	\$ -	\$ 125,000	\$ -	\$ -
A1-Grass Clippings Public Education CM-3969	\$ 20,000	\$ 20,000	\$ 20,000	\$ -
A1-Excess Irrigation Public Education	\$ -	\$ 75,000	\$ -	\$ -
A1-Stormwater Pond Maintenance Public Education	\$ -	\$ 75,000	\$ -	\$ -
A1-Septic System Maintenance Public Education	\$ -	\$ 75,000	\$ -	\$ -
1-Septic Upgrades-BRL-24 Upgrades	\$ -	\$ 384,000	\$ -	\$ -
1-Septic Upgrades-NIRL-35 Upgrades	\$ -	\$ 560,000	\$ -	\$ -
1-Septic Upgrades-CIRL- 44 Upgrades	\$ -	\$ 704,000	\$ -	\$ -
A1-Sewer Laterals Pilot Project	\$ -	\$ 840,000	\$ -	\$ -
<i>SOIRL Projects funded under Operating Expenses Subtotal</i>	<i>\$ 432,497</i>	<i>\$ 3,883,000</i>	<i>\$ 553,058</i>	<i>\$ 131,661</i>

SOIRL Projects

Project Title SOIRL Projects funded under Capital Improvement	Contracted**	Budget	Total Assigned YTD*	Actuals
0-Septic Removal-BRL-Sykes Creek M CM-3838	\$ 200,000	\$ 200,000	\$ 200,000	\$ 12,000
0-Septic Removal-BRL-Sykes Creek T CM-3839	\$ 300,000	\$ 300,000	\$ 300,000	\$ 19,500
0/1-Septic Removal-NIRL-South Central C CM-3840	\$ 450,000	\$ 2,640,000	\$ 420,755	\$ 47,592
S0-Septic Removal-CIRL-Micco Sewer Line Extension CM-3831, CM-3709	\$ 196,980	\$ 1,391,316	\$ 196,980	\$ 125,040
S0-Septic Removal-CIRL-Micco Sewer Line Extension SJRWMD CM-3678	\$ 644,793	\$ 644,793	\$ -	\$ -
1-Septic Removal-BRL-Sykes Creek N CM-3830	\$ 38,529	\$ 1,720,000	\$ 38,592	\$ 29,462

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

SOIRL Projects

Project Title SOIRL Projects funded under Capital Improvement Cont'd	Contracted**	Budget	Total Assigned YTD*	Actuals
0-Muck Removal-NIRL-Mims Outflow CM-3832 ***	\$ 100,000	\$ 100,000	\$ 100,000	\$ -
1-Muck Removal-NIRL-Grand Canal Muck Dredging	\$ -	\$ 4,000,000	\$ -	\$ -
1-Muck Removal-NIRL-Eau Gallie Muck Dredging CM-3975	\$ 52,055	\$ 3,640,000	\$ 52,055	\$ 35,586
1-Muck Removal-BRL-Sykes Creek Muck Dredging CM-3833	\$ 200,000	\$ 4,000,000	\$ -	\$ -
A1-Muck Removal-CIRL-Turkey Creek Muck Dredging CM-3966, 3967	\$ 1,719,207	\$ 1,719,207	\$ 1,719,207	\$ 1,038,510
A1-Muck Removal-BRL-Merritt Island Muck Dredging Phase I	\$ -	\$ 1,936,415	\$ -	\$ -
A1-Muck Removal-NIRL-Titusville Muck Dredging CM-3975	\$ 52,055	\$ 200,000	\$ 52,055	\$ 35,586
A1-Muck Removal-IRL-Melbourne Causeway Muck Dredging CM-3975	\$ 52,055	\$ 200,000	\$ 52,055	\$ 35,586
S0-Stormwater Projects-NIRL-Huntington Pond Denitrification CM-4015	\$ 18,205	\$ 104,720	\$ 18,205	\$ 4,815
S0-Stormwater Projects-NIRL-Flounder Creek Pond CM-3907	\$ 27,040	\$ 75,328	\$ 27,040	\$ 19,923
S0-Stormwater Projects-NIRL-John Roads Pond CM-3906	\$ 24,290	\$ 105,512	\$ 24,290	\$ 17,173
S0-Kingsmill-Aurora Phase II ***	\$ -	\$ -	\$ -	\$ -
1-Basin 989 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
1-Basin 1071 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
1-Basin 1172 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
1-Basin 1222 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
1-Basin 1318 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
1-Oyster Reef Living Shoreline-BRL-Marsh Harbor	\$ -	\$ 47,350	\$ -	\$ -
1-Oyster Reef Living Shoreline-CIRL-Riverview Senior Resort CM-3806	\$ 30,400	\$ 30,304	\$ 30,304	\$ 15,152
1-Oyster Reef Living Shoreline-NIRL-Indian River Drive	\$ -	\$ 179,930	\$ -	\$ -
A1-Plants Living Shoreline-NIRL-Indian River Drive	\$ -	\$ 22,860	\$ -	\$ -
<i>SOIRL Projects funded under Capital Improvement Subtotal</i>	<i>\$ 4,105,609</i>	<i>\$ 23,757,735</i>	<i>\$ 3,231,538</i>	<i>\$ 1,435,924</i>

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

SOIRL Projects

Project Title SOIRL Projects funded under Aid to Gov't Agencies	Contracted**	Budget	Total Assigned YTD*	Actuals
0-Waste Water Treatment Facility Upgrades-NIRL-Titusville Osprey CM-3627	\$ 300,000	\$ 2,000,000	\$ 300,000	\$ -
1-Waste Water Treatment Upgrade-CIRL-Palm Bay CM-3934	\$ 200,000	\$ 200,000	\$ 200,000	\$ 43,573
A1-Muck Removal-BLR-Cocoa Beach Phase III Muck Dredging & Interstitial CM-3986	\$ 490,653	\$ 1,496,114	\$ 490,653	\$ 344,660
A1-Muck Removal-BLR-Indian Harbour Beach Muck Dredging & Interstitial	\$ -	\$ 5,707,768	\$ -	\$ -
S0-Septic Removal-NIRL-Rockledge Breeze Swept CM-3690	\$ 880,530	\$ 880,530	\$ 880,530	\$ 880,530
S0-Septic Removal-NIRL-MIRA	\$ 211,438	\$ 211,438	\$ -	\$ -
S0-Septic Removal-CIRL-Melbourne-Hoag Sewer Conversion CM-3932 ***	\$ 86,061	\$ 86,031	\$ -	\$ -
S0-Septic Removal-CIRL-Melbourne-Penwood Sewer Conversion CM-3789	\$ 40,632	\$ 40,632	\$ 40,632	\$ -
1-Septic Removal-CIRL-Palm Bay B	\$ -	\$ 4,700,000	\$ -	\$ -
1-Septic Removal-CIRL-Palm Bay Sewer Hook-Ups	\$ -	\$ 7,764,000	\$ -	\$ -
A1-Septic to Sewer-CIRL-Melbourne-Riverside Drive	\$ -	\$ 265,960	\$ -	\$ -
S0-Stormwater Project-BRL-Cape Canaveral-Cocoa Palms LID	\$ -	\$ 1,144	\$ -	\$ -
S0-Stormwater Project-BRL-Cape Canaveral-Carver Cove Swale	\$ -	\$ 2,816	\$ -	\$ -
S0-Stormwater Project-BRL-Cape Canaveral- Central Blvd Baffle Box CM-3683	\$ 34,700	\$ 34,700	\$ 34,700	\$ 34,700
S0-Stormwater Project-BRL-Indian Harbor-Gleason Park Reuse CM-3751	\$ 4,224	\$ 4,224	\$ 4,224	\$ 4,224
S0-Stormwater Project-NIRL-Cocoa-Church St Type II Baffle Box	\$ -	\$ 20,856	\$ -	\$ -
S0-Stormwater Project-CIRL-Palm Bay-Bayfront CM-3784	\$ 30,624	\$ 30,624	\$ 30,624	\$ 30,624
S0-Stormwater Projects-BRL-Cape Canaveral Projects-Cape Shores Swale	\$ -	\$ 2,746	\$ -	\$ -

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

SOIRL Projects

Project Title SOIRL Projects funded under Aid to Gov't Agencies Cont'd	Contracted**	Budget	Total Assigned YTD*	Actuals
S0-Stormwater Projects-BRL-Cape Canaveral Projects-Justamere Road Swale	\$ -	\$ 528	\$ -	\$ -
S0-Stormwater Projects-BRL-Cape Canaveral Projects-Hitching Post Berms Swale	\$ -	\$ 2,552	\$ -	\$ -
S0-Stormwater Projects-NIRL-Titusville-St Teresa Basin CM-3929	\$ 322,200	\$ 272,800	\$ 42,800	\$ -
S0-Stormwater Projects-NIRL-Titusville-South Street Basin CM-3908	\$ 86,856	\$ 86,856	\$ 86,856	\$ -
S0-Stormwater Projects-NIRL-Titusville-La Paloma Basin CM-3933 ***	\$ 208,296	\$ 208,296	\$ -	\$ -
S0-Stormwater Projects-NIRL-Melbourne-Cliff Creek Baffle Box CM-3931 ***	\$ 347,781	\$ 347,781	\$ -	\$ -
S0-Stormwater Projects-NIRL-Melbourne-Thrush Drive Baffle Box CM-3930 ***	\$ 322,200	\$ 322,200	\$ -	\$ -
S0-Stormwater Projects-CIRL-Melbourne-Stewart Rd Dry Retrofit	\$ -	\$ 18,344	\$ -	\$ -
A1-Stormwater Project-BRL-Indian Harbour Beach- Big Muddy Baffle Box	\$ -	\$ 26,637	\$ -	\$ -
S0-Oyster/Living Shorelines-CIRL-Palm Bay-Turkey Creek Shoreline Restoration	\$ -	\$ 113,500	\$ -	\$ -
A1-Oyster/Living Shorelines-BRL-Cocoa Beach- McNabb	\$ -	\$ 34,056	\$ -	\$ -
A1-Plants/Living Shorelines-BRL-Cocoa Beach- McNabb	\$ -	\$ 5,760	\$ -	\$ -
A1-Oyster/Living Shorelines-NIRL-Melbourne- Riverview Park	\$ -	\$ 108,970	\$ -	\$ -
A1-Plants/Living Shorelines-NIRL-Melbourne- Riverview Park	\$ -	\$ 18,480	\$ -	\$ -
<i>SOIRL Projects funded under Aid to Gov't Agencies Subtotal</i>	<i>\$ 3,566,195</i>	<i>\$ 25,016,343</i>	<i>\$ 2,111,019</i>	<i>\$ 1,338,311</i>

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

SOIRL Projects

Project Title SOIRL Projects funded under Aid to Private Organizations	Contracted**	Budget	Total Assigned YTD*	Actuals
A1-Oyster/Living Shorelines-BRL-Zoo-Merritt Island-Eden Isles Lane	\$ -	\$ 21,805	\$ -	\$ -
A1-Oyster/Living Shorelines-BRL-Zoo-Indian Harbour Beach-Marina Isles	\$ -	\$ 26,700	\$ -	\$ -
A1-Oyster/Living Shorelines-BRL-Zoo-Cocoa Beach-Bettinger	\$ -	\$ 10,680	\$ -	\$ -
A1-Oyster/Living Shorelines-BRL-Zoo-Gitlin	\$ -	\$ 16,020	\$ -	\$ -
A1-Oyster/Living Shorelines-NIRL-Zoo-Merritt Island-Bomalaski CM-4005	\$ 8,900	\$ 8,900	\$ 8,900	\$ -
A1-Oyster/Living Shorelines-NIRL-Zoo-Merritt Island-Oliver	\$ -	\$ 51,620	\$ -	\$ -
A1-Oyster/Living Shorelines-CIRL-Zoo-Coconut Point/EELS	\$ -	\$ 509,950	\$ -	\$ -
A1-Oyster/Living Shorelines-CIRL-Zoo-Melbourne Beach-Wexford	\$ -	\$ 31,150	\$ -	\$ -
A1-Plants/Living Shorelines-BRL-MRC-Cocoa Beach Country Club CM-4002	\$ 16,080	\$ 16,080	\$ 16,080	\$ 16,080
A1-Plants/Living Shorelines-CIRL-MRC-Lagoon House CM-4003	\$ 24,000	\$ 24,000	\$ 24,000	\$ 24,000
<i>SOIRL Projects funded under Aid to Private Organizations</i>	<i>\$ 48,980</i>	<i>\$ 716,905</i>	<i>\$ 48,980</i>	<i>\$ 40,080</i>
SOIRL Projects Total	\$ 8,153,281	\$ 53,373,983	\$ 5,944,595	\$ 2,945,976



**BREVARD COUNTY
OFFICE OF TOURISM**

Guidelines

**TOURISM + LAGOON
GRANT PROGRAM**

FY 2018-19

Approved by Tourist Development Council 9/27/2018

FISCAL YEAR 2018-2019

TOURISM + LAGOON GRANT PROGRAM

1.0 INTRODUCTION & BACKGROUND

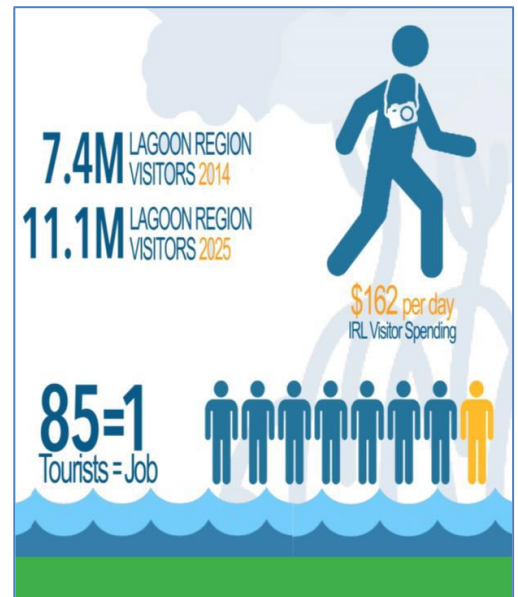
Tourism Development Council (TDC) Mission Statement:

"To promote growth, development and quality of tourism in the county; encourage participation by both visitors and residents in tourism related activities, and to act as the primary body to determine direction, goals and policy for use of the tourism tax."

Legislative changes adopted on August 14, 2018 make lagoon and estuary projects eligible for **Tourist Development Tax** revenues. Enhancing water quality, increasing habitat, and providing additional points of access can generate thousands of new jobs and increase the value and output of the Indian River Lagoon-based economy. Each visitor to the IRL region spends about \$162 a day. For every 85 visitors to the IRL-region, one job can be expected to be created.

The primary purpose of the Tourism + Lagoon Program is the development of projects that demonstrate a benefit to the health of the Indian River Lagoon and a positive impact to Brevard County tourism, as follows:

- Litter Control - Shoreline and Causeways/Entryways
- Living Shorelines - Restoration and Protection (Sustainable)
- Habitat Restoration - support Fishing/Wildlife Viewing (Charters)
- Waterway Destinations & Access - Improved and Sustainable Recreational Waterway Access



The Tourist Development Council Beach Committee will monitor the grant program, with annual approval by the Tourist Development Council of grant program policies and procedures and project grant awards. The program will be administered by the Tourist Development Office (TDO) Staff and Consultants, as needed.

2.0 APPLICATION PROCESS AND KEY DATES

October 1, 2018	Application Opens
October 8, 2018	2:00 pm—TDO Office-Non-Mandatory Preapplication Meeting with Applicants/TDO Staff Bonus Points Awarded for Attendance
November 7, 2018	Online Application DUE to Tourist Development Office NLT 5:00 p.m.
Nov. 8-14, 2018	TDO Staff review Applications for Completeness
November 14, 2018	Applications and Score Sheets Submitted to Beach Committee for Review & Scoring
December 5, 2018	Beach Committee Evaluation & Recommendation
December 19, 2018	Tourist Development Council Award & Recommendation

December 20, 2018	Program Start Date (Awards under \$100,000)
January 2019	Board of County Commissioners (Requests over \$100,000 recommended by TDC)
January 2019	Program Start Date (Awards over \$100,000)
March 15, 2019	Status Report Due (period Dec. 20 – March 1)
June 30, 2019	Status Report Due (period March 1 – June 15)
September 1, 2019	Status Report Due (period June 15 – September 1) & Final Report Due
September 1, 2019	Project Completion Date
September 30, 2019	Grant Close-out Date (see section 11 of guidelines)

The above dates are subject to change. Changes will be publicized in advance.

3.0 ELIGIBILITY

To be eligible to apply for the Tourism + Lagoon Competitive Grant Program, applicants must:

1. Be a non-government, non-profit, tax-exempt Florida corporation, as follows:
 - a. Be registered as a not-for-profit corporation pursuant to Chapter 617, Florida Statutes,
 - b. Be established as a tax-exempt organization as defined in Section 501c (3) or (6) of the Internal Revenue Code of 1954,
 - c. Confirm compliance with 5.170 of the Internal Revenue Code, as evidenced by a copy of the IRS determination letter provided by the applicant confirming federal tax-exempt status,
 - d. Provide a copy of organization's certificate of incorporation.
2. Be a local government within Brevard County, (City, Town and/or the County).
3. Be an academic institution.

Note: As envisioned, non-profit and academic organizations are more likely to be awarded grants for smaller projects that are \$50,000 and under. Local governments are envisioned to be more likely to submit larger projects requiring the 3:1 non-County match. Private sector partnering with applicants is encouraged.

4.0 AVAILABLE FUNDS

\$900,000 per year is available for a competitive grant program to fund projects that demonstrate a benefit to the health of the Indian River Lagoon and a positive impact to Brevard County tourism, as described more fully in Section 1.0 of these guidelines. No more than \$250,000 of the \$900,000 will be allocated to projects under \$50,000.

Annual funding of this program is subject to the full funding of beach improvement and maintenance projects.

The TDO reserves the right to cancel/withdraw funding to this program at any time without cause. Applicants submit applications at their own cost and risk, without expectation of or reliance on funding award. Applicants may have their requested amounts reduced based on TDC recommendations, funding availability, or number and quality of requests submitted.

5.0 ELIGIBLE USE OF FUNDS

Funds are to be used for the project as proposed in the applicant's grant application.

Funds must be used to implement projects that demonstrate a benefit to the health of the Indian River Lagoon and a positive impact to Brevard County tourism, as follows:

- Litter Control - Shoreline and Causeway/Entryways
- Living Shorelines - Shoreline Restoration and Protection with Sustainable Technology
- Habitat Restoration - to support -Fishing/Wildlife Viewing (Charters)
- Waterway Destinations & Access - Improved and Sustainable Recreational Waterway Access

Projects must be in the Indian River Lagoon watershed within Brevard County (see attached map).

Funds may be used for feasibility studies. Studies should be less than \$50,000 and shall be completed by September 1 of the year following the application submittal. The study must demonstrate the impact to the health of the lagoon and the benefit to tourism in the application and subsequent required reporting.

Funds may not be used to finance projects with a multi-year debt obligation. Funds may not be used for grant application or administrative expenses.

6.0 MATCH REQUIREMENTS

Eligible projects with a total expected cost that exceeds fifty thousand dollars (\$50,000.00) must provide matching funds from non-County source(s) at a minimum ratio of 3:1, or \$3.00 match for every \$1.00 of grant funding. For example:

Total Eligible Project Cost:	\$400,000 (100%)
Grant Request:	\$100,000 (25% of total eligible project cost)
Min. non-County Match:	\$300,000 (75% of total eligible project cost) – 300% of grant request

Match is defined as cash match. No in-kind match is allowed under this program.

7.0 APPLICATION SUBMITTAL PROCEDURES

Complete application form and attachments (scope of work, project location, budget and schedule). Complete the online application and upload all required supporting documentation no later than November 7, 2018 at 5pm to be considered for funding. If you are unable to upload the required supporting documentation with the online application you may submit your supporting documentation directly to the Tourist Development Office, located at 430 Brevard Avenue, Cocoa, Florida 32922 by 5pm on November 7, 2018. All applications must be completed online. Questions should be made in writing and may be directed to Stacy Delano via email at stacy.delano@visitspacecoast.com until the proposal deadline.

A non-mandatory (bonus points awarded) pre-application conference will be held on **October 8, 2018** at:

Tourism Development Office
430 Brevard Ave. Ste. 150
Cocoa, FL 32922

9.0 EVALUATION PROCEDURES

Tourist Development Office Staff will receive and review all grant applications to ensure:

1. Applications are submitted by the deadline.
2. Applications are complete and contain all required information.
3. Applications are for eligible projects.

Staff will forward complete applications for eligible projects to the Beach Committee of the Tourist Development Council for review and evaluation. Individual members of the Beach Committee will evaluate and rank applications using the currently approved evaluation criteria prior to the attending the ranking meeting. The Beach Committee will meet to announce each committee member's score and discuss any differences in the scoring. Individual committee members will have the opportunity to adjust their scores at the meeting, based on the discussion and collective input.

The Beach Committee will forward those applications receiving a score of 75 or higher to the Tourist Development Council for award approval, in order of ranking, up to the budgeted amount. Any requests for more than \$100,000 in grant funding that are recommended by the TDC will be forwarded to the Board of County Commissioners for final award.

Beach Committee - Application Review Meeting

1. Upon completion of the discussion and final scoring by the Committee members, a brief recess will be taken. During the recess, TDO Staff will review and tally the scores and requested award amounts.
2. The Committee will reconvene, and the Staff will read the evaluation results. The amount of funding requested will be stated in order of ranking, with a sum of total funding requested for applications receiving a score of 75, or higher.
3. The chairman will open the floor for approval of the ranking.
4. Upon completion of the recommendation, the chairman will entertain any comments from Committee Members regarding the process or projects.

Upon review and ranking by the Beach Committee and recommendation of award by the Tourist Development Council, the Applicant will be notified in writing by TDO staff as to the award time period and amount of the award and any required matching funds.

10.0 REPORTING REQUIREMENTS

At project initiation, the applicant will provide the TDO Staff with a schedule for the project and contact information for the grant.

Acknowledgement:

At the outset of the project, the applicant shall erect a permanent sign, approved by the TDC, in a prominent location at the project site that indicates the TDC participation in the project. This sign shall contain the TDC Tourism + Lagoon logo (see logo at right).



If the final product of the project is a report, study or other publication, the TDC's sponsorship of that publication shall be prominently indicated at the beginning of the publication. If the project results in an educational display, the TDC's #LagoonLife logo and a statement of the TDC's participation in the project shall be contained in the display.

Reporting

The applicant is to provide status reporting using the provided forms on the required dates and for the period noted in Section 2.0 of these guidelines. Reimbursement requests may be submitted no more frequently than quarterly, using the provided forms.

A final report and close-out procedures are covered in Section 11.0 of these guidelines.

Non-compliance with these program requirements and non-supportive back up proof of payments will automatically disqualify the applicant from future funding under this program.

11.0 Payment Reimbursement Requests & Project Closeout Procedures

The TDC shall reimburse the applicant for project costs expended on the project in accordance with the application, specifically the Project Cost Estimate.

Project Completion and Reimbursement Requirements

Upon completion of the project, the applicant shall provide the following:

1. A completed Form ___ -Project Completion Certificate, which certifies that the project was completed in accordance with the project application.
2. Form ___ - Payment Reimbursement Request Form, accompanied by all required supporting documents such as billing statements for work performed and cancelled payment vouchers for expenditures made (for TDC funds and match).
3. Photograph(s) showing the installation of the sign required below.
4. Photograph(s) of the completed project clearly showing the program improvements. (.jpg or .tif format)
5. A Final Project Report (1-2 pages) that shall at a minimum include: Applicant's name, project name, project number, project location/address, final cost and TDC grant amount, and a brief project summary with specific project benefits to the Indian River Lagoon and tourism highlighted.

ORDINANCE 2018-23

AN ORDINANCE OF THE BOARD OF COUNTY COMMISSIONERS OF BREVARD COUNTY, FLORIDA, REGARDING THE INSTALLATION OF ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS (OSTDS), ALSO KNOWN AS SEPTIC SYSTEMS; AMENDING CHAPTER 46, ENVIRONMENT, ARTICLE II. ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS AND WATER WELL PERMITTING, DIVISION 1. GENERALLY; AMENDING SEC. 46-36 DEFINITIONS; SPECIFICALLY CREATING DIVISION 4. NITROGEN REDUCTION OVERLAY TO REQUIRE ALTERNATIVE SEPTIC SYSTEMS REDUCING NITROGEN BY 65% IN AN OVERLAY AREA; SPECIFICALLY CREATING SEC. 46-89 OVERLAY AREA ON THE BARRIER ISLANDS INCLUDING MERRITT ISLAND AND ON THE MAINLAND WITHIN 60 METERS, EXCEPT MELBOURNE TILLMAN DRAINAGE DISTRICT WHICH SHALL HAVE AN OVERLAY OF 40 METERS, OF THE INDIAN RIVER LAGOON SYSTEM INCLUDING ALL NATURAL AND MANMADE TRIBUTARIES; CREATING SEC. 46-90 NITROGEN REDUCTION REQUIREMENT; CREATING SEC. 46-91 NOTICE OF OSTDS OPERATING PERMIT; CREATING SEC. 46-92 EXEMPTIONS; PROVIDING FOR CONFLICTING PROVISIONS; PROVIDING FOR SEVERABILITY; PROVIDING FOR AREA ENCOMPASSED TO BE COUNTYWIDE; PROVIDING FOR INCLUSION IN THE CODE; PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the Indian River Lagoon (IRL) is one of the most biologically diverse estuaries in North America, supporting more than 2,000 species of plants, 600 species of fish, 300 species of birds and 53 threatened or endangered species; and

WHEREAS, the annual economic activity generated from IRL-related recreational, tourism and commercial industries in Brevard County was estimated at \$1,111,737,960 in 2016¹; and

WHEREAS, the IRL has a long history of poor water quality and environmental degradation caused by multiple pollution sources; and

WHEREAS, in 1987 the Florida Legislature enacted the Surface Water Improvement and Management Act (SWIM Plan) for the restoration and protection of water quality of waterbodies of statewide significance, including the IRL. Ch. 87-97,

¹ “Indian River Lagoon Economic Valuation Update” Table 9, Final Report 08-26-2016, Prepared by East Central Florida Regional Planning Council Treasure Coast Regional Planning Council

Laws of Florida. The SWIM Plan considered multiple pollution sources, including septic tanks; and

WHEREAS, in 1990 the Florida Legislature amended the SWIM Plan to specifically require further study and protection of the IRL. Ch. 90-262, Laws of Florida. Septic tanks were identified as continuing threats to the water quality of the IRL; and

WHEREAS, also in 1990, the entire Indian River Lagoon spanning five (5) counties – Volusia, Brevard, Indian River, St. Lucie and Martin –was incorporated into the U.S. Environmental Protection Agency’s (EPA) National Estuary Program for watershed restoration by its designation as an estuary of national significance. A large portion of the entire system, 71% of its area and nearly half its length, is within Brevard County; and

WHEREAS, since 2007, the IRL has been listed on EPA’s Verified List of Impaired Waters due to excess levels of both nitrogen and phosphorus and the County is subject to regulations reducing pollution to comply with total maximum daily load (TMDL) levels to comply with the Clean Water Act. TMDLs are established to define the maximum pollutant loadings a waterbody can assimilate without showing signs of impairment²; and

WHEREAS, nutrient loading from septic drainfields is a recognized source of pollution in the IRL through groundwater pollution migration³ through lands upland of the Indian River, the Banana River, Mosquito Lagoon, Newfound Harbor and Sykes Creek, and their natural and manmade tributaries and directly connected surface waterbodies, referred to as the IRL System; and

WHEREAS, pollution from septic systems varies based on many factors including proximity to surface water, soil hydrologic group, depth to groundwater, density of development, age and maintenance history of the septic system, as well as soil organic matter, porosity, and hydraulic conductivity versus dispersivity⁴; and

² “TMDL Report – Nutrient and Dissolved Oxygen TMDL’s for the Indian River Lagoon and Banana River Lagoon” by Xueqing Gao, Florida Department of Environmental Protection, March 2009; “Draft Integrated Assessment Water Quality Report, Group 5 Indian River Lagoon Basin” Florida Department of Environmental Protection, September 27, 2017.

³ “Refining the Indian River Lagoon TMDL Technical Memorandum Report: Assessment and Evaluation of Model Input Parameters Final Report” by Environmental Research and Design, Inc., Revised March 2016

⁴ Ye, Ming & Sun, Huaiwei & Hallas, Katie. (2017). Numerical estimation of nitrogen load from septic systems to surface water bodies in St. Lucie River and Estuary Basin, Florida. Environmental Earth Sciences. 76.

WHEREAS, the barrier islands of Brevard County contribute groundwater flow to the IRL System and also exhibit many of the conditions limiting the effectiveness of septic drainfields in removing nitrogen and bacterial contaminants from septic system discharges before reaching groundwater⁵; and

WHEREAS, in 2016, after a five-year series of algal blooms and fish kills in the IRL, the Brevard County Board of County Commissioners enacted Ordinance 2016-15 to authorize a referendum for the imposition of a half-cent sales tax for ten (10) years to fund water quality restoration projects for the IRL; and

WHEREAS, Ordinance 2016-15 also adopted the “Save Our Lagoon Project Plan” prepared by Tetra Tech, Inc. and Closewaters, LLC, July 2016 (SOIRL Plan). The SOIRL Plan compares the contributing sources of pollution, based on available scientific literature, and proposes cost-effective projects to achieve water quality restoration goals; and

WHEREAS, the overall value of the IRL is dependent on successful water quality restoration. Closewaters, LLC, estimates approximately two billion dollars (\$2,000,000,000.00) in benefits from restoration and an estimated four billion dollars (\$4,000,000,000.00) in damages if the IRL is not brought back to health during the next decade⁶; and

10.1007/s12665-016-6358-y; Martin County Septic System Elimination Final Report February 2015, prepared by Captec Engineering, Inc for Martin County; Sayemuzzaman, Mohammad and Ming Ye. August 2015. “Estimation of Nitrogen Loading from Converted Septic Systems (2013-14 and 2014-15) to Surface Waterbodies in Port St. Lucie, FL.” Department of Scientific Computing, Florida State University. Prepared for the Florida Department of Environmental Protection. Tallahassee, Florida; Florida Department of Health (FDOH). 2015. Florida Onsite Sewage Nitrogen Reduction Strategies Study, Final Report; Wang, Liying, Ming Ye, J. Fernando Rios, and Paul Z Lee (March 2012) Sensitivity Analysis and Uncertainty Assessment for AcrNLET-Estimating Nitrate Load from Septic Systems to Surface Water Bodies Hazen and Sawyer. 2015. Evaluation of Full Scale Prototype Passive Nitrogen Reduction Systems (PNRS) and Recommendations for Future Implementation. Report to the Florida Department of Health. Report:

Appendices:

⁵ Michael A. Mallin and Matthew R. McIver 2012. “Pollutant impacts to Cape Hatteras National Seashore from urban runoff and septic leachate”, Marine Pollution Bulletin 64 (2012) 1356-1366 ; Han Xiao, et al 2016.

“Assessing the impacts of sea-level rise and precipitation change on the surficial aquifer in the low-lying coastal alluvial plains and barrier islands, east-central Florida (USA)”, Hydrogeology Journal (2016) 24:1791-1806

⁶ See Section 1.1 Return on Investment and Economic Value, SOIRL Plan July 2016.

WHEREAS, based on all the major sources of pollution quantified in the SOIRL Plan, approximately 18% of total nitrogen (TN) loading in the IRL System is from septic systems, compared to other sources; and

WHEREAS, a recent State-funded study of the impact of septic systems on the IRL conducted in Port St. Lucie found that the average septic system within fifty (50) meters of the IRL contributes twenty-seven pounds (27 lbs) of total nitrogen (TN) per year⁷; and

WHEREAS, the 2018 SOIRL Plan Update includes \$68,066,923.00⁸ worth of septic-to-sewer and septic enhancement projects that target highest risk neighborhoods and individual systems; and

WHEREAS, based on scientific literature, a properly functioning conventional septic system reduces total nitrogen (TN) from 30-40%.⁹ In adverse conditions, reduction has been measured at 0-20%. The best available studies estimate a 10% reduction in nitrogen within a properly maintained tank versus an improperly maintained tank. The remaining 20-30% of nitrogen removal occurs in a properly located and functioning drainfield¹⁰; and

WHEREAS, there are alternative septic systems specifically designed to provide at least 65% total nitrogen (TN) reduction through multi-stage treatment processes. According to the Brevard County Health Department and the Florida Onsite Wastewater Association, Inc., alternative septic systems, such as NSF 245-certified aerobic treatment units combined with a properly located and functioning drainfield installed with a minimum 24-inch separation from the water table, are capable of reducing total nitrogen (TN) in effluent by at least 65%; performance based treatment systems can

⁷ See Section 4.1.4 SOIRL Plan 2018 Update, April 2018: Sayemuzzaman, Mohammad and Ming Ye. August 2015. "Estimation of Nitrogen Loading from Converted Septic Systems (2013-14 and 2014-15) to Surface Waterbodies in Port St. Lucie, FL." Department of Scientific Computing, Florida State University. Prepared for the Florida Department of Environmental Protection. Tallahassee, Florida.

⁸ Table ES-1: Summary of Project Types, Costs and nutrient Reductions in the Save Our Indian River Lagoon Project Plan, SOIRL Plan 2018 Update, April 2018.

⁹ "Achieving Nitrogen Loading Reduction through Onsite Wastewater Treatment Technologies." Florida Onsite Wastewater Association, Inc.

¹⁰ A Review of Nitrogen Loading and Treatment Performance Recommendation for Onsite Wastewater Treatment Systems in the Wekiva Study Area." Anderson, Damann L. of Hazen and Sawyer, P.C. 2006, Prepared for the Florida Department of Health. Tallahassee, Florida.

also be engineered to reduce total nitrogen (TN) in effluent by at least 65%, and would provide significant nitrogen reduction results in these areas⁹; and

WHEREAS, the Florida Department of Health (FDOH) recently revised Rule 64E-6.009, Florida Administrative Code, entitled Alternative Systems, providing standards for use of nitrogen reducing media in drainfields with any approved septic tank to achieve at least 65% total nitrogen (TN) reduction; and

WHEREAS the barrier island is composed of relic dune sand, of sparse organic and carbon content, through which septic effluent migrates quickly without significant contact time with a denitrifying microbial community before reaching surface waters; and

WHEREAS Merritt Island is composed of relic dune ridges alternating with large swaths of floodplain, where there is a high risk that septic drainfields will flood, allowing untreated effluent to pollute the environment and threaten human health; and

WHEREAS the Melbourne Tillman Water Control District (MTWCD) is composed primarily of soils with low to moderate conductance values. These soils slow down the migration of drainfield leachate to adjacent canals and provides higher than average contact time with denitrifying microbial communities. In addition, an increasing fraction of the MTWCD canal water is pumped away from the lagoon by the C-1 pump system and polished through a treatment marsh, decreasing pollutant impact from septic systems within MTWCD. Furthermore, management of water levels in the MTWCD canal system by the MS-1 control structure increases nutrient detention time in the MTWCD canals, further reducing the amount of septic pollution that reaches the IRL System; and

WHEREAS the mainland of Brevard County, excluding the MTWCD, is composed of a mosaic of low, moderate and high conductance soils located at variable elevations and distances from an open water connection to the IRL, through which septic drainfield effluent migrates at differing speeds and may or may not encounter pockets of denitrifying microbial communities along its flowpath; and

WHEREAS, specific authority for this ordinance includes, but is not limited to Article VIII, Section 1, Florida Constitution of 1968; Chapters 125 and 163 and Section 381.0065(4)(r), Florida Statutes; and

WHEREAS, the Brevard County Board of County Commissioners finds that based on the foregoing reasons, this Ordinance will promote the public health, welfare, safety and economic benefit of the IRL and the County as a whole.

NOW, THEREFORE, BE IT ORDAINED by the Board of County Commissioners of Brevard County, Florida, that:

SECTION 1. Sec. 46-36. Definitions. Code of Ordinances of Brevard County, Florida, is hereby amended to revise and include the following definitions:

For the purposes of this article, the following words and phrases shall have the same meaning as defined in F.S. ch. 381, F.S. ch. 373, F.A.C. ch. 64E-6, F.A.C. ch. 64E-8, F.A.C. ch. 40C-2 ~~40-G~~, and F.A.C. ch. 62-555 except as noted below, unless from the context a different meaning is clearly intended. ~~In addition, section 1-2 applies to this article.~~

Alternative or emergency use well means a well, which may be used as a potable water supply that is not the primary water supply.

Alternative system means any approved onsite sewage treatment and disposal system used in lieu of, including modifications to, a standard subsurface system.

Barrier islands means all islands, natural and manmade, between the mainland and the Atlantic Ocean, to include: Merritt Island, Cape Canaveral, Cocoa Beach, Satellite Beach, Indian Harbour Beach, Melbourne, Indialantic, Melbourne Beach and all unincorporated areas on the barrier islands.

Block means a lot or group of lots entirely and immediately surrounded by streets or highways, railroad rights-of-ways, road rights-of-ways, watercourses, drainage easements, subdivision boundaries, multifamily boundaries, or any combination thereof. In the absence of above criteria, a block shall be considered to be 500 feet from the subject property boundaries.

Conventional septic system means the simplest septic system that can be permitted pursuant to state regulations, typically consisting of a septic tank and standard subsurface or mound drainfield system with no enhanced removal function for nitrogen.

~~County health department~~ means the county health services section.

~~Department~~ means the county's natural resources management department office or the county health department's, ~~environmental health services section~~.

Drainfield means a system of open-jointed or perforated piping, approved alternative distribution units, or other treatment facilities designed to distribute effluent for filtration, oxidation and absorption by the soil within the zone of aeration.

FDOH means the state agency, the Florida Department of Health in Brevard County.

Health officer means any person appointed by the board of county commissioners or FDOH to carry out the duties and enforce the provisions of this article. The health officer shall include, but not be limited to, employees of the department, FDOH county health department's, the county office of natural resource management, and county code enforcement division.

Indian River Lagoon System (IRL System) means the Indian River, the Banana River, Mosquito Lagoon, Newfound Harbor, Sykes Creek and their natural and manmade tributaries, including directly connected ditches and canals absent of downstream manmade water control structures.

Onsite sewage treatment and disposal system or OSTDS includes conventional septic tank and drainfield systems and is defined in Section 381.0065(2)(k), Florida Statutes, to mean “a system that contains a standard subsurface, filled, or mound drainfield system; an aerobic treatment unit; a graywater system tank; a laundry wastewater system tank; a septic tank; a grease interceptor; a pump tank; a solids or effluent pump; a waterless, incinerating, or organic waste-composting toilet; or a sanitary pit privy that is installed or proposed to be installed beyond the building sewer on land of the owner or on other land to which the owner has the legal right to install a system. The term includes any item placed within, or intended to be used as a part of or in conjunction with, the system. This term does not include package sewage treatment facilities and other treatment works regulated under chapter 403.”

Septic tank means a watertight receptacle constructed to promote separation of solid and liquid components of wastewater, to provide limited digestion of organic matter, to store solids, and to allow clarified liquid to discharge for further treatment and disposal into a drainfield.

Shoreline means the mean annual flood line of the Indian River Lagoon System or top of bank, whichever is preferred by the applicant. The mean annual flood line is defined in Section 381.0065(2)(j), Florida Statutes, to be “the elevation determined by calculating the arithmetic mean of the elevations of the highest yearly flood stage or discharge for the period of record, to include at least the most recent 10-year period. If at least 10 years of data is not available, the mean annual flood line shall be as determined based upon the data available and field verification conducted by a certified professional surveyor and mapper with experience in the determination of flood water elevation lines or, at the option of the applicant, by FDOH personnel. Field verification of the mean annual flood line shall be performed using a combination of those indicators listed below that are present on the site, and that reflect flooding that recurs on an annual basis. In those situations where any one or more of these indicators reflect a rare or aberrant event, such indicator or indicators shall not be utilized in determining the mean annual flood line. The indicators that may be considered are:

1. Water stains on the ground surface, trees, and other fixed objects;
2. Hydric adventitious roots;
3. Drift lines;
4. Rafted debris;
5. Aquatic mosses and liverworts;
6. Moss collars; and
7. Lichen lines.

Standard subsurface drainfield system means an onsite sewage treatment and disposal system drainfield consisting of a distribution box or header pipe and a drain trench or absorption bed with all portions of the drainfield sidewalls installed below the elevation of undisturbed native soil.

Water well means a well as defined in F.S. ch. 373.303(7), which includes any excavation that is drilled, cored, washed, driven, dug, jetted, or otherwise constructed when the intended use of such excavation is for the location, acquisition, development or artificial recharge of groundwater.

SECTION 2. **DIVISION 4. NITROGEN REDUCTION OVERLAY** is hereby created as follows:

DIVISION 4. - NITROGEN REDUCTION OVERLAY

SECTION 3. **Sec. 46-89 Nitrogen reduction overlay area.** is hereby created as follows:

Sec. 46-89. Nitrogen reduction overlay area.

(a) This division shall affect all properties within the unincorporated area and municipalities of Brevard County, County-wide. The nitrogen reduction overlay area is established as follows:

- (1) all barrier islands including Merritt Island; and
- (2) on the mainland, the overlay shall be 60 meters from the IRL System shoreline; and
- (3) within the boundaries of the Melbourne-Tillman Water Control District, as defined in Section 254-98, the overlay shall be 40 meters from the IRL System shoreline.

(b) A map of the nitrogen reduction overlay area is available from the department. In the event of any conflict between the map and shoreline measurement, the shoreline measurement will control.

SECTION 4. **Sec. 46-90. Nitrogen reduction requirement.** is hereby created as follows:

Sec. 46-90. Nitrogen reduction requirement.

(a) No building permits shall be issued or site plans approved after May 22, 2018, for those properties located within the nitrogen reduction overlay area unless the property is being serviced by a central sewage treatment facility or an OSTDS is used satisfying the following requirements:

- (1) the proposed OSTDS treatment meets or exceeds a 65% reduction in total nitrogen (TN); and
- (2) the proposed OSTDS complies with the standards and provisions of within Section 381.0065, Florida Statutes, Chapter 64E-6, Florida Administrative Code, and Chapter 46 of this Code.

(b) Examples of an OSTDS that meet or exceed the 65% total nitrogen (TN) reduction standard include, but are not limited to, NSF 245-certified aerobic treatment units combined with a properly located and functioning drainfield installed with a minimum 24-inch separation from the water table; performance based treatment systems engineered to reduce total nitrogen (TN) by at least 65%, and alternative systems using nitrogen reducing media in accordance with Rule 64E-6.009, Florida Administrative Code. Other OSTDS treatment that can demonstrate compliance with the nitrogen reduction standard, and as approved for use by FDOH, are acceptable.

SECTION 5. Sec. 46-91. Notice of OSTDS operating permit is created as follows:

Sec. 46-91. Notice of OSTDS operating permit.

Final approval for any building permit or site plan application within the nitrogen reduction overlay area shall not be granted until the permitting authority confirms that the property owner has executed and recorded in the official property records at the county courthouse, a written notice, in a format provided by the County, to inform all subsequent property owners of the use of an OSTDS permitted pursuant to Rule 64E-6.009, Florida Administrative Code, or an OSTDS which requires an operating permit or monitoring from FDOH.

SECTION 6. Sec. 46-92. Exemptions. is hereby created as follows:

Sec. 46-92. Exemptions.

The restrictions in this division do not apply to a property within the nitrogen reduction overlay area if:

(a) an OSTDS for which a FDOH or building permit was issued or site plan application was approved prior to May 22, 2018 or a complete FDOH permit, building permit or site plan application was filed with all fees paid before May 22, 2018; or

(b) the property is subject to residential construction contract which was both fully executed and deposit paid prior to May 22, 2018; or

(c) for repairs and maintenance to an existing OSTDS; or

(d) for minor structures or accessory uses that do not require a connection to a public sewer or OSTDS; or

(e) the property is included in a septic-to-sewer project area approved for funding in the Save Our Indian River Lagoon Project Plan, as most recently amended. Final approval for any building permit or site plan application using this exemption shall not be granted until the property owner executes a contract with the county agreeing to hook up to sewer within 180 days of the sewer service reaching the right-of-way abutting the property; or

(f) a portion of the property is located within the nitrogen reduction overlay area but the OSTDS can be installed outside of the overlay area.

SECTION 7. Conflicting Provisions. In the case of a direct conflict between any provision of this Ordinance and a portion or provision of any other applicable Federal, State or County law, rule, code or regulation, the more restrictive shall apply, unless preempted by law.

SECTION 8. Severability. _If any section, subsection, clause, phrase, word or provision of this Ordinance is for any reason held invalid or unconstitutional by any court of competent jurisdiction, such invalid unconstitutional portion shall be deemed a separate, distinct and independent provision, and such holding shall not affect the validity of the remaining portions of this ordinance, provided the remaining portions effectuate purpose and intent of this ordinance.

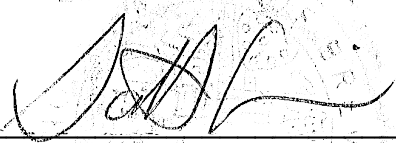
SECTION 9. Area Encompassed. This Ordinance shall take effect COUNTYWIDE, within the municipal and unincorporated areas of Brevard County, Florida.

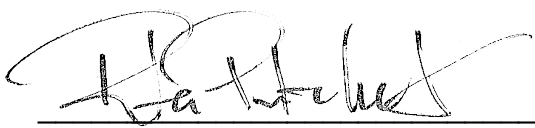
SECTION 10. Effective date. A certified copy of this ordinance shall be filed with the Office of the Secretary of State, State of Florida within ten (10) days of enactment. This ordinance shall take effect upon adoption and filing as required by law.

DONE, ORDERED AND ADOPTED in Regular Session, this 9 day of OCT., 2018.

Attest:

BOARD OF COUNTY COMMISSIONERS
OF BREVARD COUNTY, FLORIDA



Scott Ellis, Clerk

Rita Pritchett, Chair
(As approved by the Board on October 9,
2018)

Motion to change the Bylaws (October)

I move to amend the Bylaws to state that the Committee holds regular meetings at least every two months, the Bylaws language to be modified as follows:

ARTICLE V. OVERSIGHT COMMITTEE MEETINGS

Section 1. The Oversight Committee holds regular ~~monthly~~ meetings **at least every two months** on dates it sets in coordination with the Natural Resources Management Director. Special meetings may be held at the call of the Natural Resources Management Director or upon request of the Chair plus two members of the Oversight Committee. Meetings may be extended beyond three hours' duration only by vote of the Oversight Committee at that meeting.

Motion to be made if proposed Bylaws change is adopted (September)

I move that the Committee adopt the following schedule of meetings, commencing in January 2019:

- Regular meetings every month
 - January, March, May, July, September, and November
 - Agenda as specified in Bylaws
- Special meetings per Bylaws
- Tentative meeting themes (Chair & staff may adjust themes):
 - January – Recommend Annual Plan Update
 - March – Election of Officers; final details on annual Lagoon Project Plan Update (if needed)
 - May – Special Topics & Presentations (potential to expand to a full-day workshop)
 - July – Cost Effectiveness Performance Review & Cost Share Update
 - September – Approval of topics to be addressed in the next Lagoon Project Plan Update
 - November – Review and Recommendation of Project Funding Requests
- Monthly Progress & Fiscal Reports posted online, emailed to Committee in off-months

Financial Assistance Options for Compliance with the Proposed Nitrogen Reducing Septic Overlay Ordinance

Fiscal Year	Low Income Applicants # of Participants*	Low Income Applicants Eligible Amount	Low Income Applicants Cost to County	All Septic Permits (except Repairs) in Overlay # of Participants**	All Septic Permits (except Repairs) in Overlay Eligible Amount	All Septic Permits (except Repairs) in Overlay Cost to County
FY 18-19	30	\$4,000	\$120,000	480	\$4,000	\$1,920,000
FY 19-20	30	\$4,000	\$120,000	480	\$4,000	\$1,920,000
FY 20-21	30	\$3,000	\$90,000	480	\$3,000	\$1,440,000
FY 21-22	30	\$3,000	\$90,000	480	\$3,000	\$1,440,000
FY 22-23	30	\$2,000	\$60,000	480	\$2,000	\$960,000
FY 23-24	30	\$2,000	\$60,000	480	\$2,000	\$960,000
FY 24-25	30	\$1,000	\$30,000	480	\$1,000	\$480,000
FY 25-26	30	\$1,000	\$30,000	480	\$1,000	\$480,000
Sum			\$600,000			\$9,600,000

*Assumptions: 150 qualified SHIP and HOME applicants county-wide/year, 1/3 on septic, 60% in overlay

**Assumption: 800 septic permits/year, 60% of vacant land in overlay

Cost of the Nitrogen Reduction Overlay Ordinance (Assuming the 65% Nitrogen Removal adds \$4,000 to Septic Cost)

Median Home Value Types	Loan Amount	Mortgage Payment**	Loan Amount	Mortgage Payment**	Monthly Increase
Median Home Value in Brevard*	\$204,200	\$965	\$208,200	\$984	\$19
Median of Bottom Tier Home Values*	\$132,000	\$624	\$136,000	\$643	\$19
Median of Top Tier Home Values*	\$357,000	\$1,688	\$341,000	\$1,707	\$19

*Source: Zillow.com Home Value Index for Brevard County in August 2018

**Source: Schwab.com Mortgage Calculator, assuming financing 100% of Home Value at 3.92% Interest for 30 Years

ORDINANCE 2016-15

AN ORDINANCE OF THE BOARD OF COUNTY COMMISSIONERS OF BREVARD COUNTY, FLORIDA, CALLING A COUNTYWIDE SAVE OUR INDIAN RIVER LAGOON ½ CENT SALES TAX REFERENDUM ELECTION ON NOVEMBER 8, 2016 WITHIN THE TERRITORIAL LIMITS OF BREVARD COUNTY ON THE QUESTION AS TO WHETHER THE BOARD OF COUNTY COMMISSIONERS SHOULD LEVY A ½ CENT INFRASTRUCTURE SALES TAX FOR FINANCING THE COUNTY'S SHARE OF THE COST FOR THE SAVE OUR INDIAN RIVER LAGOON PROJECT PLAN; PROVIDING FOR FINDINGS; CALLING A REFERENDUM; PROVIDING FOR NOTICE OF THE REFERENDUM; PROVIDING FOR BALLOT LANGUAGE; APPROVAL OF SAVE OUR INDIAN RIVER LAGOON PROJECT PLAN; PROVIDING FOR LEVY OF THE ½ CENT SALES TAX FOR RESTORATION OF THE INDIAN RIVER LAGOON; CREATING A SAVE OUR INDIAN RIVER LAGOON PROJECT TRUST FUND; **SAVE OUR INDIAN RIVER LAGOON OVERSIGHT COMMITTEE; PROVIDING FOR SEVERABILITY; REPEALER; AND AN EFFECTIVE DATE.**

SECTION 17. SAVE OUR INDIAN RIVER LAGOON OVERSIGHT COMMITTEE

There is hereby created a Save Our Indian River Lagoon Oversight Committee which shall consist of seven members. The intent of this volunteer oversight committee of diversely skilled citizens would be to recommend updates of the Save Our Lagoon Project Plan to the Board of County Commissioners annually and to provide public oversight and a transparent process that not only allows, but fosters, development and implementation of better, less costly and/or more timely tools and techniques for restoration of the Indian River Lagoon.

A. STRUCTURE:

Membership shall consist of seven representatives and seven alternates. Committee members shall represent a diversity of demonstrated expertise and experience to annually update and improve the Save Our Lagoon Project Plan. Each member and alternate shall represent at least one of the following fields of expertise: science, technology, economics/finance, real estate, education/outreach, tourism, and lagoon advocacy. A good working knowledge of lagoon water quality issues and sources of pollution is highly desirable. A Chair and Co-Chair shall be elected by a majority vote of the Oversight Committee members.

B. APPOINTMENT PROCESS:

The County Commissioners shall call for interested volunteers to submit their qualifications to the Natural Resources Management Department prior to October 1, 2016. ONRM Department staff will review the applications and provide a qualified list of applicants to the League of Cities and to the County Commission to ensure that municipal and County interests are represented. The League will nominate members for three fields of expertise and nominate alternates for the remaining four fields of expertise. Each Commissioner will review the qualifications of the remaining applicants and score them from 1 to 3. Department staff will tabulate the ranking scores to select members for the remaining four fields of expertise and alternates for the remaining three fields of expertise. The County Commission will appoint the League of City nominees to the Oversight Committee and fill the remaining seats with candidates with the highest County Commission ranking. **Appointments will be for two year terms, after which time members and alternates may be considered for reappointment or replacement. If replacement members or alternates are required, the entity who selected that member can upgrade the alternate to the member seat, choose a replacement from the existing pool of applicants, or request a new call for qualified citizen volunteers.**