

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

February 15, 2019 – 8:30 to 11:30 am
Brevard County Government Center
2725 Judge Fran Jamieson Way
Building C, 3rd Floor, Florida Room
Viera Florida 32940

- I. Call to Order
- II. Roll Call
- III. Approval of the Agenda
- IV. Approval of Minutes
- V. Monthly Progress and Fiscal Reports – Virginia Barker, Director
 - a. February 2019 Progress Report
 - b. Save Our Indian River Lagoon Project Performance Table
 - c. Revenue Graph and Financial Statement
- VI. Other Reports and Special Presentations
 - a. Resolutions Supporting Consideration of Circulation Improvements during Infrastructure Planning Studies for State Roads 528 and 520 – Robert Musser, Port Environmental Director, Canaveral Port Authority
 - b. Mapping Pollution in Sykes Creek – Dr. Beth Falls, Research Scientist Ocean Research and Conservation Association
 - c. What Are Likely Sources and Chemical Forms of N and P added to Indian River Lagoon Waters? – John Trefry, Ph.D., Professor, Ocean Engineering & Marine Sciences, Florida Institute of Technology and Austin Fox, Ph.D., Assistant Professor of Ocean Sciences, Florida Institute of Technology
 - d. My Lagoon Story and Project Videos – Dylan Hansen
- VII. General Public Comment
- VIII. Final Comments by Chair and Committee Members
- IX. Adjournment

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

January 18, 2019 – 8:30 a.m. – 11:30 a.m.
2725 Judge Fran Jamieson Way,
Bldg. C, 3rd Floor, Florida Room
Viera, FL 32940

Members Present:

Expertise	Member	Present	Alternate	Present
Science	Lorraine Koss	Yes	Charles Venuto	Yes
Technology	John Byron	No	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	Vacant	No	Danielle Bowden	No
Lagoon Advocacy	John Windsor	Yes	Terry Casto	No

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
Matt Culver, Brevard County Boating & Waterways Program Coordinator

- I. Call to Order**
- II. Roll Call**
A quorum was established.
- III. Approval of the Agenda**
David Lane moved to approve the Agenda as written; Seconded by John Windsor. Motion was unanimously approved.
- IV. Approval of Minutes**
Lorraine Koss moved to approve the December 14, 2018 Minutes as written; Seconded by John Windsor. Motion was unanimously approved.
- V. Monthly Progress and Fiscal Reports – Virginia Barker, Director**
 - a. January 2019 Progress Report**
The Monthly Progress and Fiscal Reports were given by Virginia Barker. Discussion ensued.

b. Save Our Indian River Lagoon Project Performance Table

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

c. Revenue Graph and Financial Statement

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

VI. Other Reports and Special Presentations

a. Save Our Indian River Lagoon Trust Fund Audit – Jill Reyes, Director, RSM US LLP

Jill Reyes, Director, RSM US LLP, gave a power point update on the Save Our Indian River Lagoon Trust Fund Audit.

A Day in the Life of the Indian River Lagoon – Missy Weiss, S.E.A. a Difference Environmental Services Florida Coordinator for “A Day in the Life Programs”

Missy Weiss, Executive Director/Educator, S.E.A. a Difference, gave a power point presentation on the “A Day in the Life of the Indian River Lagoon” event that took place in October, 4, 2018. Ms. Weiss explained that on a single day in the fall, students and teachers are partnered with local environmental organizations to go out to various sampling sites all along the Lagoon to collect samples. The data collected provides a snapshot in time of what the Lagoon’s health looks like. Data Collection included: 1) Biological Data; 2) Physical Data; 3) Chemical Data; 4) Documentation; 5) Site Description; and 6) eDNA Shark Research. Ms. Weiss noted that complete data sets for each sampling site could be found at info@seadifference.org. A video of the day’s events, created by Dylan Hansen, was shown.

The Committee’s questions were answered by Ms. Weiss.

b. Septic and Package Plant Loading and Prioritization Analyses in Support of the 2019 Plan Update – Anthony Gubler

Anthony Gubler, Environmental Specialist, gave a power point presentation on Septic and Package Plant Loading and Prioritization Analyses in Support of the 2019 Plan Update. The presentation included information on 1) Septic and Sewer Updates; 2) Septic Analysis; 3) Updated Project Costs; and, 4) Total Wastewater Infrastructure Investment. Discussion ensued.

The Committee’s questions were answered by Virginia Barker, Anthony Gubler and Todd Swingle.

c. Muck Flux Mapping and Dredging Prioritization in Support of the 2019 Plan Update – Walker Dawson, Engineer III

Walker Dawson, Engineer III, gave a power point presentation on Muck

Flux Mapping and Dredging Prioritization in Support of the 2019 Plan Update. Mr. Dawson noted changes in the Plan which included: 1) Overall muck area is less than previously anticipated; 2) Flux rate is greater than previously estimated by Florida Institute of Technology; 3) Total load from muck is decreased; 4) Funding allocation for dredging is decreased; 5) Interstitial water treatment costs are included for all dredge projects; and, 6) Flux load reduction in 2019 Plan Update is comparable to 2016 Plan for funded projects. Discussion ensued.

The Committee's questions were answered by Walker Dawson, Virginia Barker and John Windsor.

d. My Lagoon Story Videos – Dylan Hansen

Dylan Hansen showed three My Lagoon Story videos featuring Terry Casto, Courtney Barker, and Vinnie Taranto.

VII. New Business

a. Lagoon Education/Outreach Options Requested by County Commission – Virginia Barker, Director

Virginia Barker mentioned that in the previous Plan Update the Citizen Oversight Committee recommended expanding the Outreach in the Plan to include four more campaigns. The Campaigns were included in the County Budget, adopted and advertised for an Outreach and Marketing firm to implement. Three proposals were submitted, ranked, and presentations were given to the Selection and Ranking Committee. There were negotiations with the firms and contracts were taken to the County Commission for approval for execution. The Board of County Commissioners asked staff to bring the item back to the Citizen Oversight Committee to consider whether a lower amount of resources for Education and Outreach should be included in the 2019 Plan Update.

Ms. Barker gave a power point presentation on the costs and estimated benefits of Save Our Indian River Lagoon Education and Outreach Campaigns which include: 1) Fertilizer; 2) Grass Clippings; 3) Septic System Maintenance; 4) Stormwater Pond Maintenance; and, 5) Excess Irrigation. Discussion ensued.

Vinnie Taranto moved to send the same Outreach Campaign Funding Levels Table back to the Brevard County Board of County Commissioners recommending the full program as prioritized in the table. He added that the funding amounts per campaign should not be less to do a behavioral marketing plan with research; and to let the Commission decide what they want to do. Discussion ensued.

Motion died for lack of a second.

After much discussion on prioritization of campaigns a motion was made.

Courtney Barker moved that the Citizen Oversight Committee recommends funding the full program; however, since the County Commission has asked the Citizen Oversight Committee to recommend a lesser dollar amount, the Citizen Oversight Committee's campaign priorities are Fertilizer, Grass Clipping, Septic Maintenance, then Stormwater Pond Maintenance and Excess Irrigation. If the County Commission would like to cut, the Citizen Oversight Committee recommends cutting the Excess Irrigation and/or Stormwater Pond Maintenance at this time. The Citizen Oversight Committee believes that an across the board cut will not be effective and if the County Commission wishes to reduce the amount, the Citizen Oversight Committee is recommending the County Commission do so by reducing the total budget by \$50,000 by eliminating Excess Irrigation or Stormwater Pond Maintenance or cut \$100,000 by eliminating both Excess Irrigation and Stormwater Pond Maintenance, but fully funding the campaigns chosen to remain; Seconded by Vinnie Taranto. Discussion ensued.

Public comments were heard.

Motion was unanimously approved.

Virginia Barker asked for the Committee's direction on where to move funding if the County Commission decided to cut the Education and Outreach Programs. Discussion ensued.

Vinnie Taranto moved that the Citizen Oversight Committee recommend to the County Commission that if any funds are cut from the education portion of the budget, the funds be used for the Septic to Sewer connection portion of the budget; Seconded by Lorraine Koss. Motion was unanimously approved.

- b. 2019 Proposed Plan Update – Marcy Frick, Senior Water Resources Engineer, Tetra Tech, Virginia Barker, Director; Anthony Gubler, Associate Environmental Specialist; and Walker Dawson, Engineer III**
Marcy Frick, Tetra Tech, gave a power point presentation on the changes to the 2019 Proposed Plan Update. Discussion ensued.

The Committee's questions were answered by Marcy Frick.

Vinnie Taranto moved that the Save Our Indian River Lagoon Oversight Committee recommend approval to the Brevard County Board of County Commissioners of the Draft Save Our Indian River Lagoon Project Plan 2019 Update as presented at the meeting including updates, and also including the Brevard County Board of County Commissioners choices

pertaining to the Education funding; Seconded by John Windsor. Motion was unanimously approved.

Lorraine Koss moved to extend the meeting fifteen minutes; Seconded by David Lane. Motion was unanimously approved.

VIII. General Public Comment

Public Comments were heard.

IX. Final Comments by Chair and Committee Members

Final Comments were heard.

X. Adjournment



Save Our Indian River Lagoon Project Plan February 2019 Progress Report

WORK COMPLETED THIS MONTH:

- 2019 Plan Update –Citizens Oversight Committee’s recommendation to the County Commission 2/12
- Education, Outreach and Public Engagement priorities submitted for 2/12 County Commission meeting
- Vacancies on the Citizens Oversight Committee - 11 applications for 4 seats: Tourism (Alternate), Real Estate (Alternate), Technology (Member) and Education (Alternate). Space Coast League of Cities will name their selections on 2/11. County Commission will consider appointments on 2/26
- Pennwood Septic to Sewer in Melbourne - public sewer service line extended via directional drill
- Beaches Leaking Sewer Laterals – groundwater monitoring contracted and grant notices being sent
- Grand Canal Muck Dredging – out for bid. Bid opening 3/12
- Eau Gallie Muck Dredging – final design complete; awaiting federal permit, bid documents underway
- Brevard Zoo Bettinger Oyster Bar contracted and constructed. Initial monitoring was also conducted.
- Grant received to remove 7 derelict vessels. Removal is anticipated in late February.
- University of Central Florida researchers conducted monitoring at 1 oyster bar and 2 planted shorelines
- 2nd Quarterly Groundwater Quality Monitoring Report compares septic, sewer, reuse and natural areas
- County Commission directed staff to contract for 4 continuous water quality monitoring stations
- St John’s Crane Creek/M-1 Canal contract was fully executed

WORK UNDERWAY THIS MONTH:

- Titusville South Street Baffle Box - construction beginning next week
- Titusville La Paloma and St Teresa projects - construction to begin this quarter
- Melbourne Riverside Septic to Sewer - contract out for signatures
- Time extensions for Melbourne’s Cliff Creek, Thrush Drive, and Hoag Ave projects going to Board
- Sykes Creek Zones N – 90% design in review by Utility Services Department
- South Central C Septic-to-Sewer – 30% design in review by Utility Services Department
- Micco Sewer Ext. – Final design meeting planned with Utilities Department and design consultant
- Stormwater Basins 1349 & 1409 – Design has begun
- Huntington Pond – Design review completed. Seeking easement needed for project area
- Cocoa Beach - Muck Dredging contract is approximately 62% complete
- Mathers Bridge Area Muck Removal – scoping expansion of project area
- Sykes Creek Muck Dredging Phase 1 – bid documents underway
- Merritt Island Muck Dredging – design underway
- Mullet Creek Muck Dredging – design proposal received
- Grand Canal Muck Dredging – seeking dredge waivers to remove muck close to docks and seawalls
- Muck Dredging Programmatic Permit – consultant drafting state and federal permit checklists
- Titusville and Rockledge Muck Dredging – collecting bathymetric data needed for permits
- Multi-agency meeting on site selection and success criteria for oyster restoration in Brevard
- Grass Clippings Outreach Study - marketing recommendations report complete
- Filming videos - “My Lagoon Story,” Living Shoreline Demonstrations, Oyster Monitoring, Turkey Creek Watershed, Merritt Island Septic to Sewer Phase II and Titusville Baffle Boxes



PRESENTATIONS THIS MONTH:

February 6 – NASA/FDEP Partnership Meeting: Anthony, Brandon, Courtney
February 8 – Harbor Branch – Engaging the Public: What are the Counties Doing: Virginia
February 12 – East Merritt Island Home Owners Association: Anthony
February 15 – Christian Women Business Association: Brandon
February 26 – Brevard Indian River Lagoon Coalition/Florida Institute of Technology Public Forum: Virginia
March 4 – North Merritt Island Home Owners Association meeting with Florida Inland Navigation District

WEBSITE AND SOCIAL MEDIA LINKS:

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

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

Indian River Lagoon Symposium, Harbor Branch, 2/7-8, <http://www.indianriverlagoon.org/Symposium.html>
Diamond Back Terrapin Working Group: Florida Regional Meeting, 2/8, contact Joe jbutler@unf.edu
Marine Resources Council Rain Barrel Education Workshop, 2/10, contact Steve sharkeymrc@gmail.com
Managing Visitor Use in Coastal and Marine Protected Areas Training, 2/20-21, contact Emily Dark
Emily.Dark@FloridaDEP.gov

University of Central Florida - Indian River Lagoon History Harvest, 11-3 at 2/24 at Field Manor, Merritt Island
Brevard Indian River Lagoon Coalition and Florida Institute of Technology - Straight Talk: Sewage Systems, Septic and Muck in Our Lagoon, 6:30-8:30pm 2/26, <https://www.eventbrite.com/>
Stormwater and Green Infrastructure Symposium, May 8-10, <https://www.wef.org/events/conferences/>

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

Brevard Zoo– Adopt a Mangrove, 2/27 <https://restoreourshores.org/volunteer-we-need-you/>
Keep Brevard Beautiful – North Brevard Litter Patrol, 2/16 <https://keepbrevardbeautiful.org/events>
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
Marine Resources Council Lagoon Watch, Mangrove, or Lagoon Literacy <https://savetheirl.org/volunteer/>
Muck Finders - contact Jared McNally, jared@mrcirl.org, at the Marine Resources Council

FUTURE TOPICS FOR SPECIAL PRESENTATIONS:

1. New Citizen Oversight Committee members, sunshine law refresher
2. Re-use/Reclaimed Water – Nutrient Loading Impacts and Opportunities
3. Harvesting of Aquatic Weeds
4. Indian River Lagoon Research News: TechCon, ShORE, and Harbor Branch Symposium Highlights
5. Completed and Ongoing Muck Research – Florida Tech
6. Coordinating Dredging and Spoil Management with Florida Inland Navigation District
7. Lagoon Fish and Fisheries
8. Water Technology Conference/Industry Day – Economic Development and IRL NEP
9. Surface Water Remediation Technologies
10. Oyster histories in Brevard County
11. Outreach and Engagement Opportunities
12. Project Monitoring Results

Save Our Indian River Lagoon Performance Table

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

Responsible Entity	Project Name	Project Type	Grant Confirmation Notice Sent	Scope of Work Received	Contract Prepared	Executed By County	Executed By Grantee	Project Complete	Reimbursement Requested	Reimbursement Sent
Brevard County	Basin 1409 (Engineering)	Stormwater Traditional								
Brevard County	Basin 1409 (Construction)	Stormwater Traditional		Expected Fiscal Year 2019/20						
Brevard County	Mims Muck Removal: Outflow Water Nutrient Removal (Engineering)	Muck Removal & Interstitial Treatment								
Brevard County	Mims Muck Removal: Outflow Water Nutrient Removal (Construction)	Muck Removal & Interstitial Treatment								
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							66.62%	64.09%
Brevard County	Muck Interstitial Water Treatment for Turkey Creek	Muck Removal & Interstitial Treatment							included above	included above

Responsible Entity	Project Name	Project Type	Grant Confirmation Notice Sent	Scope of Work Received	Contract Prepared	Executed By County	Executed By Grantee	Project Complete	Reimbursement Requested	Reimbursement Sent
Brevard County	Merritt Island Muck Removal, Phase 1 of 2 (Engineering)	Muck Removal & Interstitial Treatment								
Brevard County	Merritt Island Muck Removal, Ph 1 of 2 (Construction)	Muck Removal & Interstitial Treatment		Expected Fiscal Year 2018/19						
Brevard County	Titusville Area Muck Removal, (Engineering)	Muck Removal & Interstitial Treatment							0.78%	0.78%
Brevard County	Titusville Area Muck Removal (Construction)	Muck Removal & Interstitial Treatment		Expected Fiscal Year 2018/19						
Brevard County	Eau Gallie Area Muck Dredging (Engineering)	Muck Removal & Interstitial Treatment							0.26%	0.26%
Brevard County	Eau Gallie Area Muck Dredging (Construction)	Muck Removal & Interstitial Treatment		Expected Fiscal Year 2018/19						
Brevard County	Rockledge Area Muck Dredging (Engineering)	Muck Removal & Interstitial Treatment							0.19%	0.19%
Brevard County	Rockledge Area Muck Dredging (Construction)	Muck Removal & Interstitial Treatment		Expected Fiscal Year 2018/19						
Brevard County	Sewer Lateral Replacement Repair - Sat. Bch Pilot (Engineering)	Sewer Upgrades								
Brevard County	Sewer Lateral Replacement Repair - Sat. Bch Pilot (Construction)	Sewer Upgrades		Expected Fiscal Year 2018/19						

Responsible Entity	Project Name	Project Type	Grant Confirmation Notice Sent	Scope of Work Received	Contract Prepared	Executed By County	Executed By Grantee	Project Complete	Reimbursement Requested	Reimbursement Sent
Brevard County	Sykes Creek - Zone N (Engineering)	Septic Removal							76.00%	76.00%
Brevard County	Sykes Creek - Zone N (Construction)	Septic Removal		Expected Fiscal Year 2018/19						
Brevard County	Sykes Creek - Zone M (Engineering)	Septic Removal							14.00%	12.80%
Brevard County	Sykes Creek - Zone M (Construction)	Septic Removal		Expected Fiscal Year 2019/20						
Brevard County	Sykes Creek - Zone T (Engineering)	Septic Removal							13.80%	10.00%
Brevard County	South Central - Zone C (Engineering)	Septic Removal							15.36%	15.36%
Brevard County	Micco Sewer Line Extension (Engineering)	Septic Removal							11.67%	11.12%
Brevard County	Micco Sewer Line Extension (Construction)	Septic Removal		Expected Fiscal Year 2018/19						
Brevard County	Riverview Senior Resort (Engineering)	Living Shoreline - Oyster							included below	included below
Brevard County	Riverview Senior Resort (Construction)	Living Shoreline - Oyster							100.00%	100.00%
Brevard County	Marsh Harbor (Engineering)	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Brevard County	Marsh Harbor (Construction)	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Brevard County	Indian River Drive (Engineering)	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Brevard County	Indian River Drive (Construction)	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Brevard Zoo	Eden Isles Lane	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Brevard Zoo	Marina Isles	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						

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

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

Responsible Entity	Project Name	Project Type	Grant Confirmation Notice Sent	Scope of Work Received	Contract Prepared	Executed By County	Executed By Grantee	Project Complete	Reimbursement Requested	Reimbursement Sent
Melbourne	Pennwood Sewer Conversion	Septic Removal								
Melbourne	Cliff Creek Baffle Box	Stormwater Traditional								
Melbourne	Thrush Drive Baffle Box	Stormwater Traditional								
Melbourne	Stewart Road Dry Retrofit	Stormwater Traditional		Expected Fiscal Year 2018/19						
Melbourne	Riverside Drive Septic Removal Conversion	Septic Removal								
Melbourne	Riverview Park	Living Shoreline - Oyster		Expected Fiscal Year 2018/19						
Melbourne	Riverview Park	Living Shoreline - Plants		Expected Fiscal Year 2018/19						
Melbourne	Septic Removal Melbourne	Septic Removal		Expected Fiscal Year 2019/20						
MIRA	MIRA Septic Removal Phase 1 of 2	Septic Removal							5.61%	5.61%
MIRA	MIRA Septic Removal Phase 2 of 2	Septic Removal								
Palm Bay	Bayfront Stormwater Project	Stormwater Traditional							100.00%	100.00%
Palm Bay	Turkey Creek Shoreline Restoration	Living Shoreline								
Palm Bay	North Region WRF	WWTF Upgrades							12.63%	12.63%
Palm Bay	Septic Removal - Palm Bay near sewer	Septic Removal		Expected Fiscal Year 2018/19						

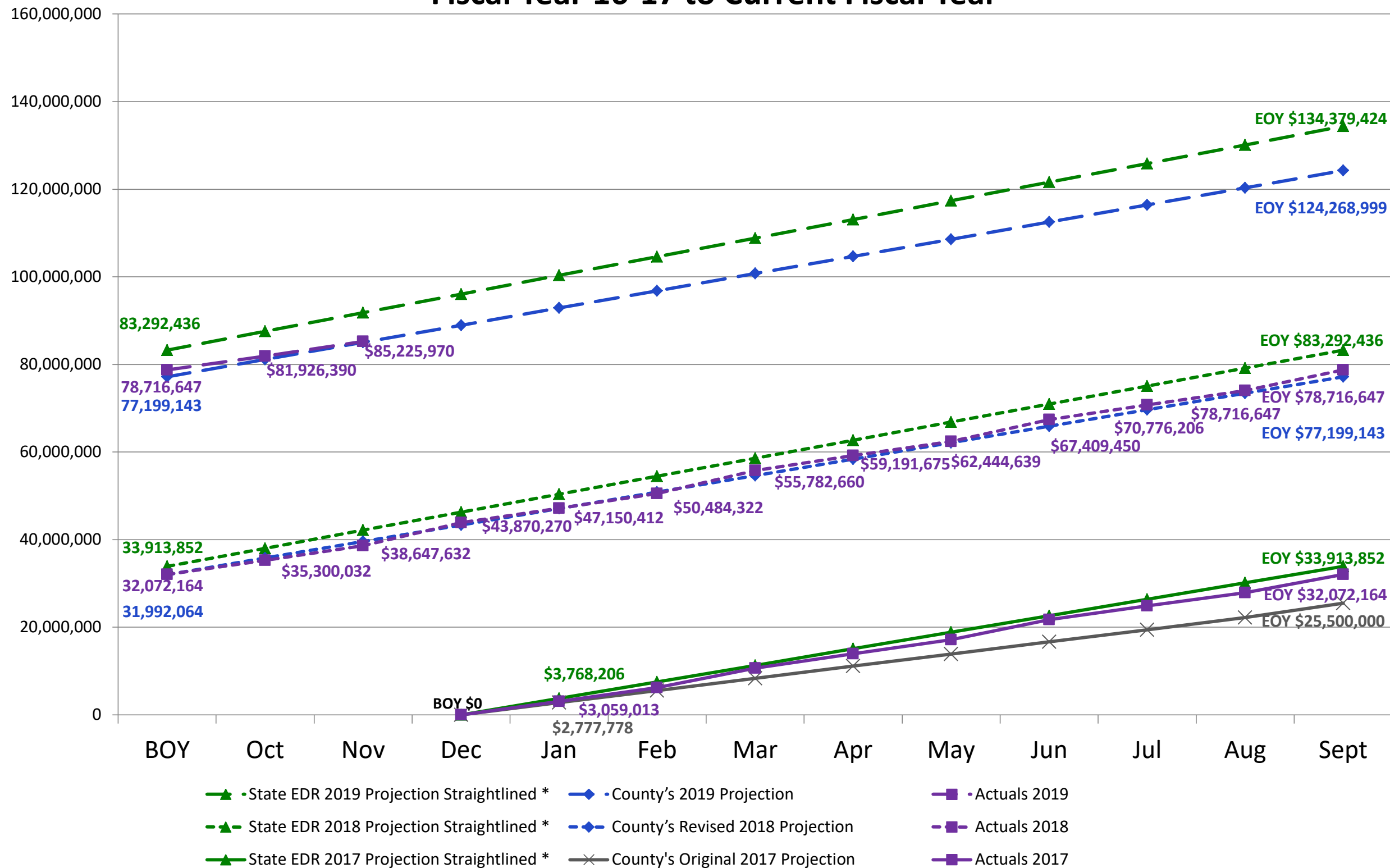
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Previous Month Grant Confirmation Notice Sent Total	Previous Month Scope of Work Received Total	Previous Month Contract Prepared Total	Previous Month Executed By County Total	Previous Month Executed by Grantee Total	Previous Month Project Complete Total	Previous Month Reimbursement Requested Total	Previous Month Reimbursement Sent Total
98	53	52	47	46	20	30	29

Current Month Grant Confirmation Notice Sent Total	Current Month Scope of Work Received Total	Current Month Contract Prepared Total	Current Month Executed By County Total	Current Month Executed by Grantee Total	Current Month Project Complete Total	Current Month Reimbursement Requested Total	Current Month Reimbursement Sent Total
98	53	52	51	50	21	30	29

Save Our Indian River Lagoon Revenues Cumulative Graph

Fiscal Year 16-17 to Current Fiscal Year



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

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

Save Our Indian River Lagoon Revenues Cumulative Chart

Fiscal Year 16-17 to Current Fiscal Year

Month	State EDR 2019 Projection Straightlined *	County's 2019 Projection	Actuals 2019	State EDR 2018 Projection Straightlined *	County's Revised 2018 Projection	Actuals 2018	State EDR 2017 Projection Straightlined *	County's Original 2017 Projection	Actuals 2017
BOY	\$83,292,436	\$77,199,143	\$78,716,647	\$33,913,852	\$31,992,064	\$32,072,164			
Oct	\$87,549,685	\$81,121,631	\$81,926,390	\$38,028,734	\$35,832,746	\$35,300,032			
Nov	\$91,806,934	\$85,044,119	\$85,225,970	\$42,143,616	\$39,593,327	\$38,647,632			
Dec	\$96,064,183	\$88,966,607		\$46,258,498	\$43,353,909	\$43,870,270	\$0	\$0	\$0
Jan	\$100,321,432	\$92,889,095		\$50,373,380	\$47,114,490	\$47,150,412	\$3,768,206	\$2,777,778	\$3,059,013
Feb	\$104,578,681	\$96,811,583		\$54,488,262	\$50,875,072	\$50,484,322	\$7,536,412	\$5,555,556	\$6,217,230
Mar	\$108,835,930	\$100,734,071		\$58,603,144	\$54,635,653	\$55,782,660	\$11,304,617	\$8,333,334	\$10,686,395
Apr	\$113,093,179	\$104,656,559		\$62,718,026	\$58,396,235	\$59,191,675	\$15,072,823	\$11,111,112	\$13,941,510
May	\$117,350,428	\$108,579,047		\$66,832,908	\$62,156,817	\$62,444,639	\$18,841,029	\$13,888,890	\$17,177,137
Jun	\$121,607,677	\$112,501,535		\$70,947,790	\$65,917,398	\$67,409,450	\$22,609,235	\$16,666,668	\$21,754,009
Jul	\$125,864,926	\$116,424,023		\$75,062,672	\$69,677,980	\$70,776,206	\$26,377,441	\$19,444,446	\$24,898,729
Aug	\$130,122,175	\$120,346,511		\$79,177,554	\$73,438,561	\$74,021,947	\$30,145,647	\$22,222,224	\$27,890,034
Sept	\$134,379,424	\$124,268,999		\$83,292,436	\$77,199,143	\$78,716,647	\$33,913,852	\$25,500,000	\$32,072,164

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

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

Save Our Indian River Lagoon - FY 2019

Financial Statement as of 05 February 2019

Fund 1260

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

Revenues

Commodity	Budget	Total Assigned YTD*	% Earned
Taxes	\$ 46,088,184	\$ 6,509,322	14.12%
Interest Earned	\$ 1,404,635	\$ 240,512	17.12%
Insurance Claims	\$ -	\$ -	
Federal Grants	\$ 1,357,269	\$ -	
State Grants	\$ 226,212	\$ -	
Cost Sharing - SJRWMD	\$ 678,730	\$ -	
Statutory Reduction	\$ (2,487,752)	\$ -	
Balance Forward	\$ 72,712,813	\$ -	
Total	\$ 119,980,091	\$ 6,749,834	

Expenditures (Roll-Up)

Commodity	Budget	Total Assigned YTD*	Actuals
Compensation & Benefits	\$ 460,338	\$ 447,433	\$ 122,603
Operating Expenses	\$ 213,751	\$ 91,343	\$ 11,108
Capital Outlay	\$ 5,774	\$ -	\$ -
Transfers	\$ -	\$ -	\$ -
SOIRL Projects funded under Operating Expenses	\$ 6,921,643	\$ 365,772	\$ 94,781
SOIRL Projects funded under Capital Improvement	\$ 30,362,465	\$ 1,832,773	\$ 152,860
SOIRL Projects funded under Aid to Gov't Agencies	\$ 41,729,137	\$ 4,579,324	\$ 240,738
SOIRL Projects funded under Aid to Private Organizations	\$ 700,786	\$ -	\$ -
A1-Contingency	\$ 5,509,896	\$ -	\$ -
Reserves	\$ 34,076,301	\$ -	\$ -
Total	\$ 119,980,091	\$ 7,316,645	\$ 622,089

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SOIRL Projects

Project Title SOIRL Projects funded under Operating Expenses	Contracted**	Budget	Total Assigned YTD*	Actuals
1/2-Project Monitoring (Respond) CM's: 3972, 3971, 3959, 3690, 3979, 3973, 4047, 4101	\$ 361,982	\$ 1,951,462	\$ 335,772	\$ 94,781
1/2-Community Awareness Initiatives	\$ 10,400	\$ 46,147	\$ 10,000	\$ -
1/2-Fertilizer Management Public Education	\$ -	\$ 176,625	\$ -	\$ -
A1/2-Grass Clippings Public Education CM-3969	\$ 20,000	\$ 40,650	\$ 20,000	\$ -
A1/2-Excess Irrigation Public Education	\$ -	\$ 100,813	\$ -	\$ -
A1/2-Stormwater Pond Maintenance Public Education	\$ -	\$ 100,813	\$ -	\$ -
A1/2-Septic System Maintenance Public Education	\$ -	\$ 100,813	\$ -	\$ -
1/2-Septic Upgrades-BRL-50 Upgrades	\$ -	\$ 813,520	\$ -	\$ -
1/2-Septic Upgrades-NIRL-75 Upgrades	\$ -	\$ 1,220,800	\$ -	\$ -
1/2-Septic Upgrades-CIRL- 94 Upgrades	\$ -	\$ 1,530,000	\$ -	\$ -
A1-Sewer Laterals Pilot Project	\$ -	\$ 840,000	\$ -	\$ -
<i>SOIRL Projects funded under Operating Expenses Subtotal</i>	<i>\$ 392,382</i>	<i>\$ 6,921,643</i>	<i>\$ 365,772</i>	<i>\$ 94,781</i>

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

SOIRL Projects

Project Title SOIRL Projects funded under Capital Improvement	Contracted**	Budget	Total Assigned YTD*	Actuals
0/2-Septic Removal-BRL-Sykes Creek M CM-3838	\$ 188,000	\$ 1,139,575	\$ 188,000	\$ 5,600
0-Septic Removal-BRL-Sykes Creek T CM-3839	\$ 280,500	\$ 300,000	\$ 280,500	\$ 15,600
0/1-Septic Removal-NIRL-South Central C CM-3840	\$ 402,408	\$ 2,640,000	\$ 373,163	\$ 17,076
S0-Septic Removal-CIRL-Micco Sewer Line Extension CM-3831, CM-3709, CM-3678	\$ 71,940	\$ 1,911,829	\$ 71,940	\$ 1,800
1-Septic Removal-BRL-Sykes Creek N CM-3830	\$ 47,090	\$ 1,700,682	\$ 47,090	\$ -
0/2-Muck Removal-NIRL-Mims Outflow CM-3832	\$ 320,000	\$ 400,000	\$ -	\$ -
1/2-Muck Removal-NIRL-Grand Canal Muck Dredging	\$ -	\$ 1,500,000	\$ -	\$ -
1/2-Muck Removal-NIRL-Eau Gallie Muck Dredging CM-3975	\$ 12,470	\$ 7,033,530	\$ 12,470	\$ -
1/2-Muck Removal-BRL-Sykes Creek Muck Dredging CM-3833	\$ 200,000	\$ 1,500,000	\$ -	\$ -
A1-Muck Removal-CIRL-Turkey Creek Muck Dredging CM-3966, 3967	\$ 680,696	\$ 688,494	\$ 680,696	\$ 48,113
A1-Muck Removal-BRL-Merritt Island Muck Dredging Phase I	\$ -	\$ 500,000	\$ -	\$ -
A1-Muck Removal-NIRL-Titusville Muck Dredging CM-3975	\$ 515,288	\$ 433,530	\$ 151,288	\$ 64,671
A1-Muck Removal-IRL-Melbourne Causeway Muck Dredging CM-3975	\$ -	\$ -	\$ -	\$ -
2-Muck Removal-BRL-8% Canals Muck Dredging	\$ -	\$ 4,600,000	\$ -	\$ -
2-Muck Removal-BRL-Mathers Area Muck Dredging	\$ -	\$ 3,000,000	\$ -	\$ -
S0-Stormwater Projects-NIRL-Huntington Pond Denitrification CM-4015	\$ 13,390	\$ 104,720	\$ 13,390	\$ -
S0-Stormwater Projects-NIRL-Flounder Creek Pond CM-3907	\$ 7,117	\$ 59,581	\$ 7,118	\$ -
S0-Stormwater Projects-NIRL-John Roads Pond CM-3906	\$ 7,117	\$ 94,042	\$ 7,118	\$ -
S0-Stormwater Projects-NIRL-Kingsmill-Aurora Phase II ***	\$ -	\$ -	\$ -	\$ -

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SOIRL Projects

Project Title SOIRL Projects funded under Capital Improvement Cont'd	Contracted**	Budget	Total Assigned YTD*	Actuals
1-Stormwater Projects-BRL-Basin 989 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
1-Stormwater Projects-BRL-Basin 1071 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
1-Stormwater Projects-BRL-Basin 1172 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
1-Stormwater Projects-BRL-Basin 1222 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
1-Stormwater Projects-NIRL-Basin 1318 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
2-Stormwater Projects-NIRL-Denitrification Basin	\$ -	\$ 10,000	\$ -	\$ -
2-Stormwater Projects-BRL-Denitrification Basin	\$ -	\$ 100,000	\$ -	\$ -
2-Stormwater Projects-CIRL-Denitrification Basin	\$ -	\$ 10,000	\$ -	\$ -
2-Stormwater Projects-BRL-A-Denitrification Basin	\$ -	\$ 100,000	\$ -	\$ -
2-Stormwater Projects-BRL-B-Denitrification Basin	\$ -	\$ 100,000	\$ -	\$ -
1-Oyster Reef Living Shoreline-BRL-Marsh Harbor	\$ -	\$ 47,350	\$ -	\$ -
1-Oyster Reef Living Shoreline-CIRL- Riverview Senior Resort CM-3806 Completed Year 1, Fiscal Year 17/18	\$ -	\$ 15,152	\$ -	\$ -
1-Oyster Reef Living Shoreline-NIRL-Indian River Drive	\$ -	\$ 179,930	\$ -	\$ -
A1-Plants Living Shoreline-NIRL-Indian River Drive	\$ -	\$ 22,860	\$ -	\$ -
A2-Oyster Reef Living Shoreline-BRL	\$ -	\$ 472,186	\$ -	\$ -
A2-Oyster Reef Living Shoreline-NIRL	\$ -	\$ 488,210	\$ -	\$ -
A2-Oyster Reef Living Shoreline-CIRL	\$ -	\$ 91,115	\$ -	\$ -
A2- Plants Living Shoreline-BRL	\$ -	\$ 59,623	\$ -	\$ -
A2- Plants Living Shoreline-NIRL	\$ -	\$ 62,802	\$ -	\$ -
A2- Plants Living Shoreline-CIRL	\$ -	\$ 15,780	\$ -	\$ -
<i>SOIRL Projects funded under Capital Improvement Subtotal</i>	<i>\$ 2,746,016</i>	<i>\$ 29,880,991</i>	<i>\$ 1,832,773</i>	<i>\$ 152,860</i>

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SOIRL Projects

Project Title SOIRL Projects funded under Aid to Gov't Agencies	Contracted**	Budget	Total Assigned YTD*	Actuals
0/1/2-Waste Water Treatment Facility Upgrades-NIRL-Titusville Osprey CM-3627	\$ 1,000,000	\$ 8,195,000	\$ 1,000,000	\$ 90,586
1/2-Waste Water Treatment Upgrade-CIRL- Palm Bay CM-3934	\$ 156,427	\$ 1,435,652	\$ 876,427	\$ 66,622
2-Waste Water Treatment -CIRL-Melbourne Grant Street		\$ 5,919,837	\$ -	\$ -
A1-Muck Removal-BLR-Cocoa Beach Phase III Muck Dredging & Interstitial CM-3986	\$ 632,645	\$ 1,317,719	\$ 632,645	\$ 83,529
A1-Muck Removal-BLR-Indian Harbour Beach Muck Dredging & Interstitial	\$ -	\$ 5,707,768	\$ -	\$ -
S0-Septic Removal-NIRL-MIRA	\$ 211,438	\$ 211,438	\$ -	\$ -
S0-Septic Removal-CIRL-Melbourne-Hoag Sewer Conversion CM-3932 ***	\$ 86,061	\$ 86,031	\$ 86,031	\$ -
S0-Septic Removal-CIRL-Melbourne- Penwood Sewer Conversion CM-3789	\$ 40,632	\$ 40,632	\$ 40,632	\$ -
1-Septic Removal-CIRL-Palm Bay B	\$ -	\$ 4,700,000	\$ -	\$ -
1-Septic Removal-CIRL-Palm Bay Sewer Hook-Ups	\$ -	\$ 7,764,000	\$ -	\$ -
A1-Septic to Sewer-CIRL-Melbourne- Riverside Drive	\$ -	\$ 265,960	\$ -	\$ -
2-Septic Removal-NIRL-Cocoa K	\$ -	\$ 702,100	\$ -	\$ -
2-Septic Removal-CIRL-Melbourne	\$ -	\$ 247,000	\$ -	\$ -
A2-Septic to Sewer-CIRL-West Melbourne- Sylvan Estates CM-3985	\$ 935,656	\$ 935,656	\$ 935,656	
A2-Septic to Sewer-CIRL-West Melbourne- Roxy Avenue	\$ -	\$ 91,835	\$ -	\$ -
S0-Stormwater Project-BRL-Cape Canaveral- Cocoa Palms LID	\$ -	\$ 1,144	\$ -	\$ -
S0-Stormwater Project-BRL-Cape Canaveral- Carver Cove Swale	\$ -	\$ 2,816	\$ -	\$ -
S0-Stormwater Project-NIRL-Cocoa-Church St Type II Baffle Box	\$ -	\$ 20,856	\$ -	\$ -

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SOIRL Projects

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

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

SOIRL Projects

Project Title SOIRL Projects funded under Aid to Gov't Agencies Cont'd	Contracted**	Budget	Total Assigned YTD*	Actuals
S0-Oyster/Living Shorelines-CIRL-Palm Bay-Turkey Creek Shoreline Restoration	\$ -	\$ 113,500	\$ -	\$ -
A1-Oyster/Living Shorelines-BRL-Cocoa Beach-McNabb	\$ -	\$ 34,056	\$ -	\$ -
A1-Plants/Living Shorelines-BRL-Cocoa Beach-McNabb	\$ -	\$ 5,760	\$ -	\$ -
A1-Oyster/Living Shorelines-NIRL-Melbourne-Riverview Park	\$ -	\$ 108,790	\$ -	\$ -
A1-Plants/Living Shorelines-NIRL-Melbourne-Riverview Park	\$ -	\$ 18,480	\$ -	\$ -
<i>SOIRL Projects funded under Aid to Gov't Agencies Subtotal</i>	<i>\$ 4,350,192</i>	<i>\$ 41,713,123</i>	<i>\$ 4,579,324</i>	<i>\$ 240,738</i>

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SOIRL Projects

Project Title SOIRL Projects funded under Aid to Private Organizations	Contracted**	Budget	Total Assigned YTD*	Actuals
A1-Oyster/Living Shorelines-BRL-Zoo-Merritt Island-Eden Isles Lane	\$ -	\$ 21,805	\$ -	\$ -
A1-Oyster/Living Shorelines-BRL-Zoo-Indian Harbour Beach-Marina Isles	\$ -	\$ 26,700	\$ -	\$ -
A1-Oyster/Living Shorelines-BRL-Zoo-Cocoa Beach-Bettinger	\$ -	\$ 10,680	\$ -	\$ -
A1-Oyster/Living Shorelines-BRL-Zoo-Gitlin	\$ -	\$ 16,020	\$ -	\$ -
A1-Oyster/Living Shorelines-NIRL-Zoo-Merritt Island-Bomalaski CM-4005 Completed Year 1, Fiscal Year 17/18	\$ 8,900	\$ 8,900	\$ -	\$ -
A1-Oyster/Living Shorelines-NIRL-Zoo-Merritt Island-Oliver	\$ -	\$ 51,620	\$ -	\$ -
A1-Oyster/Living Shorelines-CIRL-Zoo-Coconut Point/EELS	\$ -	\$ 509,950	\$ -	\$ -
A1-Oyster/Living Shorelines-CIRL-Zoo-Melbourne Beach-Wexford	\$ -	\$ 31,150	\$ -	\$ -
A1-Plants/Living Shorelines-BRL-MRC-Cocoa Beach Country Club CM-4002 Completed Year 1, Fiscal Year 17/18	\$ 16,080	\$ 16,014	\$ -	\$ -
A1-Plants/Living Shorelines-CIRL-MRC-Lagoon House CM-4003 Completed Year 1, Fiscal Year 17/18	\$ 24,000	\$ 23,961	\$ -	\$ -
<i>SOIRL Projects funded under Aid to Private Organizations</i>	\$ 48,980	\$ 716,800	\$ -	\$ -
SOIRL Projects Total	\$ 7,537,570	\$ 79,232,557	\$ 6,777,869	\$ 488,378

**CANAVERAL PORT AUTHORITY
RESOLUTION # RES-2018-014-EXE-3
A RESOLUTION IN SUPPORT OF THE INCLUSION OF
IMPROVEMENTS BENEFICIAL TO THE INDIAN RIVER LAGOON
SYSTEM RESTORATION AND REGIONAL INFRASTRUCTURE IN
PLANNING STUDIES FOR
STATE ROAD 528 AND STATE ROAD 520**

WHEREAS, the Indian River Lagoon (“Lagoon”) is a diverse, shallow-water estuary stretching across 40 percent of Florida’s East Coast;

WHEREAS, the Lagoon represents a complex estuarine ecosystem comprised of three water bodies: the Indian River, Mosquito Lagoon and Banana River that together have been designated as an “Estuary of National Significance” by the U.S. Congress in 1990;

WHEREAS, the Lagoon supports important commercial and recreational fisheries and economic resources that are vital to the interests of the Port District, the region, the State of Florida and the nation with an estimated annual economic impact of \$7.6 billion;

WHEREAS, the Lagoon has become one of the most vulnerable estuaries in Florida that is threatened throughout its geographic range and watershed by water quality decline, habitat alteration and loss, fisheries decline, loss of biological diversity, and altered hydrologic flow;

WHEREAS, the earthen causeways for State Road (SR) 528 and SR 520 have an impact on the natural water flow and impede dispersal mechanisms of the Indian River Lagoon;

WHEREAS, the Florida Department of Transportation (FDOT) is a key partner with the Canaveral Port Authority in planning and construction of intermodal and port facility projects;

WHEREAS, FDOT is conducting a causeway improvement study (FM #407402-3&4) for the future widening of SR 528 (the “Project”) and has plans to conduct future studies for SR 520;

WHEREAS, the Project is listed as a priority by the Central Florida Metropolitan Planning Organization Alliance and the Space Coast Transportation Planning Organization on which the Canaveral Port Authority serves as a Member of the Governing Board;

WHEREAS, both SR 528 and SR 520 are designated hurricane evacuation routes;

WHEREAS, SR 528 serves as an essential transportation corridor that links the goods entering Port Canaveral (including fuel) to all of Central Florida for hurricane preparedness and during post-hurricane response and recovery periods;

WHEREAS, the Canaveral Port Authority partnered with the Indian River Lagoon National Estuary Program and Indian River Lagoon Council to complete a study of potential improvements to improve the flushing of the Indian River Lagoon system based on increasing bridge spans, adding additional relief spans, and elevating portions of the causeways;

WHEREAS, the study, *Numerical Model Flushing Experiments, Final Report*, dated September 2018 was presented at the regularly scheduled meeting of the Canaveral Port Authority's Board of Commissioners on October 31st, 2018;

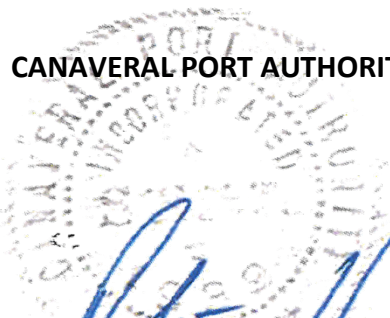
WHEREAS, the results of the study conservatively show that flushing may be improved by almost 10% with causeway elevating alterations to SR 528 and SR 520; and

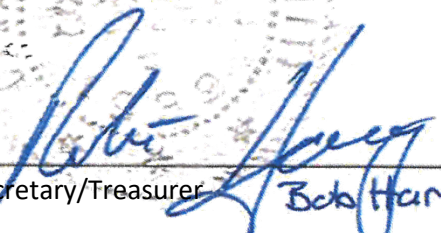
WHEREAS, causeway elevating alterations can provide 21st century transportation corridor improvements that deliver the following additional benefits: improved infrastructure resiliency to storm surge, shoreline erosion and sea level rise; restoration of Lagoon bottom lost during causeway construction; restoration of historic sea grass beds lost in causeway construction; improved recreational fishing associated with elevated roadway structure; and opportunities for long-term mitigation planning.


NOW, THEREFORE, BE IT RESOLVED, THE CANAVERAL PORT AUTHORITY in a regularly scheduled meeting assembled on December 5, 2018, supports FDOT's efforts to study and evaluate infrastructure improvements options to SR 528 and SR 520 and encourages the inclusion of any and all infrastructure improvements that will benefit the Lagoon, the economy and the resiliency of essential transportation corridors and infrastructure.

DONE, ORDERED AND ADOPTED, this 5th day of December 2018 at Port Canaveral, Brevard County, Florida.

CANAVERAL PORT AUTHORITY:




Secretary/Treasurer **Bob Harvey**


Micah Loyd Chairman