

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

August 21, 2020 – 8:30 to 11:30 am
Brevard County Government Center
2725 Judge Fran Jamieson Way
On-line via Zoom Conference
Viera, Florida 32940

- I. Call to Order
- II. Roll Call
- III. Approval of the Agenda
- IV. Approval of Minutes
- V. Progress and Fiscal Reports
 - a. Monthly Progress Report – Virginia Barker, Director
 - b. Quarterly Progress Report – Terri Breeden, Environmental Specialist I
 - c. Monthly Revenue Graph – Crystal Melton
 - d. Quarterly Financial Report – Crystal Melton, Fiscal Analyst
- VI. Other Reports and Special Presentations
 - a. Derelict Vessels – Matt Culver
 - b. My Lagoon Story Videos featuring Melissa Martin
 - c. Project Videos for the In-Ground Nitrogen Reducing Biofilter Septic Upgrades and Sylvan Estates Septic to Sewer Project
- VII. Old Business
 - a. AquaFiber - Termination of Contract
- VIII. New Business
 - a. Leaky Lateral Grant Program – Virginia Barker, Director
- IX. General Public Comments
- X. Final Comments by Chair and Committee Members
- XI. Adjournment

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

July 17, 2020 – 8:30 a.m.
2725 Judge Fran Jamieson Way,
On-line Zoom Conference
Viera, FL 32940

Members Present:

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

Staff Present:

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

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 Jay Moynahan. Motion was unanimously approved.

IV. Approval of Minutes

Lorraine Koss moved to approve the May 15, 2020 minutes as written; Seconded by Stephany Eley. Motion was unanimously approved.

V. Monthly Progress and Fiscal Reports

a. Monthly Progress Report – Virginia Barker

The Monthly Progress Report was given by Virginia Barker.

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

b. Monthly Revenue Graph – Crystal Melton

Virginia Barker reported on the Revenue Graph.

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

VI. Other Reports and Special Presentations

This item was heard out of order.

a. Clean Waterways Act & Lagoon Funding – Senator Debbie Mayfield, District 17

Senator Mayfield spoke about Senate Bill 712 "The Clean Waterways Act". Senator Mayfield touched on several items in the Senate Bill 712 which included: 1) Septic Systems; 2) Stormwater Management; 3) Management Plan for Waste Water Treatment Facilities; 4) Agricultural Best Management Practices; 5) Biosolids; and, 6) Water Quality Monitoring.

Senator Mayfield gave highlights on funding for Brevard County and the Indian River Lagoon which included: 1) \$1 Million in funding for Brevard County Septic to Sewer Conversion; 2) \$1 Million in funding to Indian Harbour Beach and Satellite Beach for Muck Dredging; 3) \$380,000 to City of Melbourne for Septic to Sewer Conversion; 4) \$250,000 in funding to Cape Canaveral for Wastewater Treatment Plant improvements; 5) \$150,000 in funding to Rockledge for Biosolids Final Design; 6) \$2.2 million in funding to Brevard County for Water Quality; and, 7) \$25 million into water quality projects for the Indian River Lagoon as whole.

Senator Mayfield spoke about the challenges with Septic to Sewer conversions/hookups.

Discussion ensued. The Committee's questions were answered by Senator Mayfield. The Committee thanked Senator Mayfield for her support of the environment.

b. A Day in the Life of the Indian River Lagoon – Missy Weiss

Missy Weiss, Director of Citizen Science & Education - ORCA, gave a power point presentation entitled, A Day in the Life of the Indian River Lagoon. The program is an experiential research, citizen science, and community-based program where students, teachers and environmental partners collect scientific information to create snapshots of the Indian River Lagoon. Topics included: 1) Objectives; 2) Data Collection; 3) Facts and Figures – environmental partners and school participants; 4) Complete Data Sets; and 5) "A Day in the Life" 2020 - Date change due to Covid-19.

Save Our Indian River Lagoon Citizen Oversight Committee Meeting
MINUTES – July 17, 2020

Discussion ensued. The Committee's questions were answered by Missy Weiss.

c. Lagoon Loyal Launch – MTN Advertising

Jessica Payne, Account Manager, and Jamie Guth, Art Director, gave a power point presentation entitled, Lagoon Loyal Program Recap & Launch. Topics included: 1) Recap of performance findings of pilot program and Lagoon Loyal Mission; 2) Program Validation; 3) Program Tactics; 4) Program Stats; 5) LagoonLoyal.com Rewards Program Launch; 6) Tour of the Lagoon Loyal website; 7) Lagoon Loyal Events; 8) Goals and Measurements; 9) Digital and Traditional Media; and 10) Lagoon Loyal Facebook Page.

Discussion ensued. The Committee's questions were answered by Jessica Payne, Jamie Guth, and Virginia Barker.

d. My Lagoon Story Videos featuring Laurilee Thompson and Todd Swingle

Brandon Smith showed two My Lagoon Story Videos featuring Laurilee Thompson and Todd Swingle.

e. Project Video for the Broadway Stormwater Pond Bio-Activated Media Addition

A video of the upgrades at the Cocoa Beach Wastewater Reclamation Facility, which is currently underway, was shown.

Brandon Smith showed a video of the recently completed Broadway Stormwater Pond Bio-Activated Media project.

VII. Old Business

There was no Old Business.

VIII. New Business

a. Annual Plan Update Schedule – Virginia Barker, Director

Each year, the Save Our Indian River Lagoon Project is updated. Virginia Barker noted that Annual updates allow new information, project opportunities and technologies to be considered and incorporated into the plan. A summary of the process was given.

Ms. Barker showed a slide of the 2021 Update of the Save Our Indian River Lagoon Project Plan Proposed Schedule and reviewed the timeframe for the application process. It was noted that there would be no stakeholder workshop this year due to the cost share application process being the same as last year. Ms. Barker explained that staff would be available for one-on-one conversations with applicants who have process questions, ideas or special requests.

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

There were no public comments.

Save Our Indian River Lagoon Citizen Oversight Committee Meeting
MINUTES – July 17, 2020

Lorraine Koss moved to accept the proposed schedule for developing the Save Our Indian River Lagoon Project Plan 2021 Update; Seconded by Stephany Eley. Motion was unanimously approved.

b. Funding Request Cost Share – Virginia Barker, Director

Virginia Barker gave a summary and showed a slide of the Proposed cost share eligibility by project type for projects proposed for the 2021 Save Our Indian River Lagoon Project Plan Update. The draft cost share was based on the average cost of each project type approved in the Save Our Indian River Lagoon Project Plan, as amended in 2020, with two additional considerations. 1) The cost share for Septic System Removal by Sewer Extensions reflects the Board of County Commissioner's approved rate of up to \$1500 per pound of nitrogen load reduction for septic to sewer projects; and, 2) The Cost Shares offered by Stormwater Treatment Projects further consider the average cost by project location - \$122 on the Mainland, \$163 on Merritt Island and \$150 on the Beaches, respectively.

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

There were no public comments.

Vinnie Taranto moved to approve the cost shares table for recruiting project proposals for the 2021 Save Our Indian River Lagoon Project Plan Update as presented; Seconded by Lorraine Koss. Motion was approved with David Lane and Stephany Eley voting in opposition.

IX. General Public Comment

There were no public comments.

X. Final Comments by Chair and Committee Members

There were no comments.

XI. Adjournment



Save Our Indian River Lagoon Project Plan

August 2020 Progress Report

WORK COMPLETED THIS MONTH:

- Updated retail fertilizer sign postings have been verified. Compliance letters are going to 6 stores.
- Third experimental Inground Nitrogen Reducing Bioreactor septic drainfields installed in Titusville
- Derelict Vessels – 4 additional derelict vessels removed
- Sykes Creek Phase I Muck Dredging – Second request for additional information sent to contractor
- Grand Canal Muck Dredging – Template expansion permits received; awaiting federal permit for Berkeley Canal; Dredging to restart in August
- NASA Causeway East & Titusville Railroad Bridge West – Field data collected, analysis underway
- Cocoa Beach Golf Muck Project – 5 proposals from consultants received by the City on August 7th
- Brevard Zoo monitored 3 pre-sales tax oyster bar sites, completed 4 vegetated living shoreline plantings in the north lagoon, and deployed 4,494 square feet of oyster bar in the central lagoon.
- University of Central Florida found an average of 187 live oysters per monitored bag at Maritime Hammock (a 744% increase) and 271 live oysters per monitored bag at Hog Point (a 1085% increase) but no oyster recruitment to the experimental CORE modules installed with the bags in April. After a year, Marina Isles has 265 oysters per square meter and at least 4 oyster bridges connecting bags.
- Project videos for Sylvan Estates Septic to Sewer, In Ground Nitrogen Reducing Biofilter Septic Upgrade, and Satellite Beach Offline Stormwater Treatment
- Contracts executed for Indialantic's Basin 5 Dry Retention, Brevard Zoo's North Indian River Lagoon Plants 2 Project, Melbourne's Sherwood Park Stormwater Quality Project and South Central F Septic to Sewer Project, and Titusville's Osprey Plant Pond Managed Aquatic Plant System, Draa Field Vegetation Harvesting, and Draa Field Pond Managed Aquatic Plant System Projects

WORK UNDERWAY THIS MONTH:

- Sykes Creek N Septic-to-Sewer – designing vacuum sewer, pursuing land necessary for lift station
- Beaches Leaking Sewer Laterals – 30 repairs complete; 9 reimbursements processed to date
- Package advertised to prequalify plumbers to repair leaky laterals and connect septic to sewer
- Cone Road Septic-to-Sewer Phase 2 – 37 properties connected
- Micco Sewer Service Extension – Awaiting task order from consultant for additional design work
- South Central C Septic-to-Sewer – at 90% design
- Septic Upgrade second notice postcards mailed; 125 applications and 2 reimbursements processed
- Recruitment for 1st round of Inground Nitrogen Reducing Bioreactors complete; mound systems next
- Basin 1304 stormwater treatment is breaking ground this week
- Johns Road and Flounder Creek – awaiting federal permits, pursuing in-house County construction
- 319 Baffle Box Grant – COVID extension and extra baffle box approved, completing monitoring report
- Huntington Pond – Onsite meeting with Consultant and Construction Coordinator to discuss design
- Cocoa Beach Phase IIb Muck Project – Dredging approximately 45% complete
- Rockledge A– Field data collection 90% complete
- Eau Gallie Northeast Muck Project – Task order to revise pipeline corridor under review
- Oyster spat from successful spawn by Harbor Branch to be distributed to gardeners by the Zoo
- New clam program ideas – collaborative discussions ongoing with clambers and Zoo
- Video Production – in editing for Living Shoreline Demo Site and Oyster Monitoring videos



PRESENTATIONS THIS MONTH:

July 22 – Florida Permitting School Conference, FL Clean Waterways Act Panel Discussion – Virginia
July 28 – Lead Brevard Facebook Live presentation on Save Our Indian River Lagoon Plan progress – Virginia
July 31 – Septic ordinance presentation at Florida Onsite Wastewater Association convention – Anthony
August 4-7 – UF/IFAS CIVIC Indian River Lagoon Training - Brandon
August 13 – Save Our Indian River Lagoon presentation at Titusville Rotary Club – Brandon
September 29 – Cocoa Rotary Meeting - Virginia

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

August 4 - Marine Resources Council Lunch and Learn Webinar: Recycle Brevard
August 29 – Marine Resources Council and Rockledge Gardens Virtual Rain Barrel Workshop
September 12 – Marine Resources Council and Rockledge Gardens Mighty Mangroves Webinar
Ongoing - Marine Resources Council 3rd-6th grade Virtual Learning

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

Brevard Zoo - Reef Build events Contact restoreourshores@brevardzoo.org
Brevard Zoo– Shoreline Planting <https://restoreourshores.org/volunteer-we-need-you/#howyoucanhelp>
Keep Brevard Beautiful - International Virtual Coastal Cleanup (September) – Report in KBB app
Marine Resources Council – [Melbourne](https://www.melbourne.gov.au) Stormwater Drain Marking (September) – contact nicole@mrcirl.org

WEBSITE AND SOCIAL MEDIA LINKS:

Outreach and Engagement Landing Page: <https://lagoonloyal.com/>
Website: <http://www.brevardfl.gov/SaveOurLagoon>
Facebook: <https://www.facebook.com/BrevardCountySaveOurLagoon>
Instagram: <https://www.instagram.com/saveourlagoon/>
YouTube: <https://goo.gl/GBh6xU>

FUTURE TOPICS FOR SPECIAL PRESENTATIONS:

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

Save Our Indian River Lagoon Performance Table

Line #	Project #	Responsible Entity	Project Name	Project Type	Scope of Work Received	Contract Review Status	Design	Construction	Contract Value	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
1	117	Brevard County	Basin 10 County Line Road Woodchip Bioreactor	Stormwater Traditional	Complete	Complete	100%	100%	\$ 72,773	100%	100%
2	94	Brevard County	Basin 832 Broadway Pond Biosorption Activated Media	Stormwater Traditional	Complete	Complete	100%	100%	\$ 42,864	100%	100%
3	6	Brevard County	Long Point Park Upgrade	Septic Upgrade	Complete	Complete	100%	100%	\$ 102,000	100%	100%
4	2016-01	Brevard County	Riverview Senior Resort	Living Shoreline - Oyster	Complete	Complete	100%	100%	\$ 30,304	100%	100%
5	40	Brevard County	Mims Muck Removal: Outflow Water Nutrient Removal	Muck Removal & Interstitial Treatment	Complete	Complete	100%	100%	\$ 400,000	N/A	N/A
6	2016-3a	Brevard County	Muck Re-dredging in Turkey Creek	Muck Removal & Interstitial Treatment	Complete	Complete	100%	100%	\$ 215,000	100%	100%
7	2016-3b	Brevard County	Muck Interstitial Water Treatment for Turkey Creek	Muck Removal & Interstitial Treatment	Complete	Complete	100%	100%	Included in muck	100%	100%
8	103	Brevard Zoo	North Indian River Lagoon - Plants	Living Shoreline - Plants	Complete	Complete	100%	100%	\$ 720	100%	100%
9	80	Brevard Zoo	Coconut Pt/EELS	Living Shoreline - Oyster	Complete	Complete	100%	100%	\$ 45,120	100%	100%
10	75	Brevard Zoo	Marina Isles	Living Shoreline - Oyster	Complete	Complete	100%	100%	\$ 26,700	100%	100%

Line #	Project #	Responsible Entity	Project Name	Project Type	Scope of Work Received	Contract Review Status	Design	Construction	Contract Value	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
11	76	Brevard Zoo	Bettinger	Living Shoreline - Oyster	Complete	Complete	100%	100%	\$ 10,680	100%	100%
12	79	Brevard Zoo	Gitlin	Living Shoreline - Oyster	Complete	Complete	100%	100%	\$ 16,020	100%	100%
13	83	Brevard Zoo	Bomalaski	Living Shoreline - Oyster	Complete	Complete	100%	100%	\$ 8,900	100%	100%
14	13	Cape Canaveral	Central Blvd Baffle Box	Stormwater Traditional	Complete	Complete	100%	100%	\$ 34,700	100%	100%
15	14	Cocoa	Church Street Type II Baffle Box	Stormwater Traditional	Complete	Complete	100%	100%	\$ 88,045	100%	100%
16	70a	Cocoa Beach	Cocoa Beach Muck Dredging-Phase III	Muck Removal	Complete	Complete	100%	100%	\$ 1,376,305	100%	100%
17	16	Indian Harbour Beach	Gleason Park Reuse	Stormwater Traditional	Complete	Complete	100%	100%	\$ 4,224	100%	100%
18	77a	Marine Resources Council	Cocoa Beach Country Club	Living Shoreline - Plants	Complete	Complete	100%	100%	\$ 16,080	100%	100%
19	77b	Marine Resources Council	Lagoon House Shoreline Restoration Planting	Living Shoreline - Plants	Complete	Complete	100%	100%	\$ 24,000	100%	100%
20	44a	MIRA	MIRA Septic Removal Phase 1 of 2 (17 of 17 connected)	Septic Removal	Complete	Complete	100%	100%	\$ 128,875	100%	100%
21	15	Palm Bay	Bayfront Stormwater Project	Stormwater Traditional	Complete	Complete	100%	100%	\$ 30,624	100%	100%

Line #	Project #	Responsible Entity	Project Name	Project Type	Scope of Work Received	Contract Review Status	Design	Construction	Contract Value	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
22	1	Rockledge	Breeze Swept Septic Removal (143 of 143 connected)	Septic Removal	Complete	Complete	100%	100%	\$ 880,530	100%	100%
23	98	Titusville	Coleman Ponds Managed Aquatic Plant System	Stormwater Traditional	Complete	Complete	100%	100%	\$ 35,000	100%	100%
24	20	Titusville	South St. Basin Treatment	Stormwater Traditional	Complete	Complete	100%	100%	\$ 86,856	100%	100%
25	21	Titusville	La Paloma Basin Treatment	Stormwater Traditional	Complete	Complete	100%	100%	\$ 208,296	100%	100%
26	19	Titusville	St. Teresa Basin Treatment	Stormwater Traditional	Complete	Complete	100%	100%	\$ 272,800	100%	100%
27	18	Brevard County	Basin 62 Denitrification Retrofit of Johns Rd Pond	Stormwater Traditional	Complete	Complete	100%	0%	\$ 105,512	Leveraged Funds	Leveraged Funds
28	22	Brevard County	Basin 1387 Kingsmill-Aurora Phase 2 of 2	Stormwater Traditional	Complete	Complete	30%		\$ 367,488	Leveraged Funds	Leveraged Funds
29	23	Brevard County	Basin 41 Denitrification Retrofit of Huntington Pond	Stormwater Traditional	Complete	Complete	90%		\$ 104,720	Leveraged Funds	Leveraged Funds
30	24	Brevard County	Basin 71 Denitrification Retrofit of Flounder Creek Pond	Stormwater Traditional	Complete	Complete	100%	0%	\$ 75,328	Leveraged Funds	Leveraged Funds
31	2016-58	Brevard County	Basin 1349	Stormwater Traditional	Complete	Complete	90%		\$ 175,000	Leveraged Funds	Leveraged Funds
32	2016-59	Brevard County	Basin 1409	Stormwater Traditional	Complete	Complete	90%		\$ 125,000	Leveraged Funds	Leveraged Funds

Line #	Project #	Responsible Entity	Project Name	Project Type	Scope of Work Received	Contract Review Status	Design	Construction	Contract Value	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
33	89	Brevard County	Basin 1298 Bioreactor	Stormwater Traditional	Complete	Complete	100%	0%	\$ 86,198	Leveraged Funds	Leveraged Funds
34	85	Brevard County	Basin 1304 Bioreactor	Stormwater Traditional	Complete	Complete	100%	0%	\$ 90,000	Leveraged Funds	Leveraged Funds
35	112	Brevard County	County Wide Stormwater Pond Harvesting	Vegetative Harvesting	Complete	Complete	0%		\$ 14,000		
36	118	Brevard County	Basin 26 Sunset Ave Woodchip Bioreactor	Stormwater Traditional	Complete	Complete	0%		\$ 73,810		
37	122	Brevard County	Basin 22 Huntington Rd Serenity Park Woodchip Bioreactor	Stormwater Traditional	Complete	Complete	0%		\$ 40,077		
38	121	Brevard County	Basin 2258 Babcock Rd Woodchip Bioreactor	Stormwater Traditional	Complete	Complete	50%		\$ 50,203		
39	91	Brevard County	Basin 100 Burkholm Road Biosorption Activated Media	Stormwater Traditional	Complete	Complete	100%	0%	\$ 64,390	Leveraged Funds	Leveraged Funds
40	92	Brevard County	Basin 115 Carter Road Biosorption Activated Media	Stormwater Traditional	Complete	Complete	100%	100%	\$ 62,510	93.04%	93.04%
41	87	Brevard County	Basin 2134 Fleming Grant Biosorption Activated Media	Stormwater Traditional	Complete	Complete	100%	100%	\$ 56,588	Leveraged Funds	Leveraged Funds
42	90	Brevard County	Basin 51 Johns Road Pond Biosorption Activated Media	Stormwater Traditional	Complete	Complete	100%	0%	\$ 105,512	Leveraged Funds	Leveraged Funds

Line #	Project #	Responsible Entity	Project Name	Project Type	Scope of Work Received	Contract Review Status	Design	Construction	Contract Value	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
43	93	Brevard County	Basin 193 Wiley Road Biosorption Activated Media	Stormwater Traditional	Complete	Complete	100%	0%	\$ 82,735	Leveraged Funds	Leveraged Funds
44	119	Brevard County	Basin 141 Irwin Ave Woodchip Bioreactor	Stormwater Traditional	Complete	Complete	100%	0%	\$ 69,174		
45	41	Brevard County	Grand Canal Muck Dredging	Muck Removal & Interstitial Treatment	Complete	Complete	100%	2%	\$ 18,020,368	11.23%	11.23%
46	42	Brevard County	Sykes Creek Muck Dredging	Muck Removal & Interstitial Treatment	Complete	Complete	100%	0%	\$ 15,954,132	0.06%	0.06%
47	71	Brevard County	Merritt Island Muck Removal, Phase 1 of 2	Muck Removal	Complete	Complete	60%		\$ 7,733,517	Leveraged Funds	Leveraged Funds
48	2016-06	Brevard County	Titusville Railroad West Muck Removal	Muck Removal & Interstitial Treatment	Complete	Complete	20%		\$ 3,607,375	2.54%	2.54%
49	2016-08	Brevard County	Titusville Railroad East Muck Removal	Muck Removal & Interstitial Treatment	Complete	Complete	20%		\$ 4,609,424	2.22%	2.22%
50	2016-07	Brevard County	National Aeronautics and Space Administration East	Muck Removal & Interstitial Treatment	Complete	Complete	20%		\$ 11,423,355	0.76%	0.76%
51	54	Brevard County	Eau Gallie Northeast Muck Dredging	Muck Removal & Interstitial Treatment	Complete	Complete	98%		\$ 10,020,488	0.31%	0.31%

Line #	Project #	Responsible Entity	Project Name	Project Type	Scope of Work Received	Contract Review Status	Design	Construction	Contract Value	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
52	2016-04	Brevard County	Rockledge A Muck Dredging	Muck Removal & Interstitial Treatment	Complete	Complete	10%		\$ 5,010,244	0.62%	0.62%
53	3	Brevard County	Micco Sewer Line Extension (0 of 31 connected)	Septic Removal	Complete	Complete	95%		\$ 2,042,540	11.85%	11.85%
54	2016-47	Brevard County	Sykes Creek - Zone N (0 of 78 connected)	Septic Removal	Complete	Complete	0%		\$ 2,603,016	2.26%	2.26%
55	2016-48	Brevard County	Sykes Creek - Zone M (0 of 56 connected)	Septic Removal	Complete	Complete	30%		\$ 1,618,832	3.21%	3.08%
56	2016-49	Brevard County	Sykes Creek - Zone T (0 of 148 connected)	Septic Removal	Complete	Complete	30%		\$ 4,689,056	1.83%	1.83%
57	2016-50	Brevard County	South Central - Zone C (0 of 140 connected)	Septic Removal	Complete	Complete	90%		\$ 6,600,000	4.30%	4.30%
58	63	Brevard County	Sewer Lateral Replacement Repair - Satellite Beach Pilot	Sewer Upgrades	Complete	Complete	100%	13%	\$ 840,000	0.50%	0.50%
59	114	Brevard County	Barefoot Bay Lateral Smoke Testing	Sewer Upgrades	Complete	Complete	0%				
60	115	Brevard County	South Beaches Lateral Smoke Testing	Sewer Upgrades	Complete	Complete	0%				
61	116	Brevard County	Merritt Island Lateral Smoke Testing	Sewer Upgrades	Complete	Complete	0%				
62	58a	Brevard County	Fertilizer Public Education	Education Outreach	Complete	Complete	100%	28%	\$ 625,000	26.49%	26.49%

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63	58b	Brevard County	Grass Clippings Campaign	Education Outreach	Complete	Complete	100%	25%	\$ 200,000	10.00%	10.00%
64	58c	Brevard County	Septic Public Education	Education Outreach	Complete	Complete	100%	28%	\$ 300,000	30.28%	30.28%
65	102	Brevard Zoo	Banana River Lagoon - Plants	Living Shoreline - Plants	Complete	Complete	75%		\$ 3,120		
66	106	Brevard Zoo	North Indian River Lagoon - Oysters	Living Shoreline - Oyster	Complete	Complete	72%	22%	\$ 341,280	17.57%	17.57%
67	105	Brevard Zoo	Central Indian River Lagoon - Oysters	Living Shoreline - Oyster	Complete	Complete	93%	64%	\$ 161,160	48.56%	48.56%
68	140	Brevard Zoo	Central Indian River Lagoon - Oysters 2	Living Shoreline - Oyster	Complete	Complete	43%	16%	\$ 270,800	11.00%	11.00%
69	104	Brevard Zoo	Banana River Lagoon - Oysters	Living Shoreline - Oyster	Received				\$ 583,020		
70	130	Brevard Zoo	North Indian River Lagoon - Plants 2	Living Shoreline - Planting	Complete	Contract Executed			\$ 9,840		
71	99	Cocoa Beach	Cocoa Beach Water Reclamation Facility Upgrades	Wastewater Treatment Facility	Complete	Complete	100%	85%	\$ 945,000	18.97%	18.97%
72	101	Cocoa Beach	Cocoa Beach Muck Dredging Phase IIb	Muck Removal & Interstitial Treatment	Complete	Complete	100%	20%	\$ 5,917,650	18.38%	18.38%
73	168	Cocoa Beach	Cocoa Beach Golf Muck Project	Muck Removal & Interstitial Treatment	Complete	Complete	1%		\$ 24,363,100		

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74	127	Indialantic	Basin 5 Dry Retention	Stormwater Traditional	Complete	Contract Executed			\$ 16,680		
75	72a-b	Indian Harbour Beach	Muck Removal & Interstitial Water Treatment of IHB Canals	Muck Removal & Interstitial Treatment	Complete	Complete	100%	0%	\$ 9,115,415		
76	66	Indian Harbour Beach	Big Muddy @ Cynthia Baffle Box	Stormwater Traditional	Complete	Complete	90%		\$ 67,532	9.86%	9.86%
77	133	Marine Resources Council	Fisherman's Landing	Living Shoreline - Planting	Complete	Complete	100%	100%	\$ 4,800	100.00%	
78	135	Marine Resources Council	Rotary Park	Living Shoreline - Planting	Complete	Complete	100%	100%	\$ 4,800	100.00%	
79	4	Melbourne	Hoag Sewer Conversion (1 of 5 connected)	Septic Removal	Complete	Complete	100%	60%	\$ 86,031	15.71%	15.71%
80	5	Melbourne	Penwood Sewer Conversion (1 of 5 connected)	Septic Removal	Complete	Complete	100%	60%	\$ 40,632	42.02%	42.02%
81	34	Melbourne	Cliff Creek Baffle Box	Stormwater Traditional	Complete	Complete	100%	100%	\$ 347,781		
82	35	Melbourne	Thrush Drive Baffle Box	Stormwater Traditional	Complete	Complete	100%	0%	\$ 322,200		
83	59	Melbourne	Grant Street WRF Nutrient Removal Improvements	Wastewater Treatment Facility	Complete	Complete	90%		\$ 6,769,500		
84	61	Melbourne	Riverside Drive Septic Removal Conversion (1 of 12 connected)	Septic Removal	Complete	Complete	100%	54%	\$ 265,960	5.92%	5.92%

Line #	Project #	Responsible Entity	Project Name	Project Type	Scope of Work Received	Contract Review Status	Design	Construction	Contract Value	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
85	169	Melbourne	Sherwood Park Stormwater Quality Project	Stormwater Traditional	Complete	Contract Executed			\$ 392,108		
86	62	Melbourne	Roxy Avenue Septic Removal Conversion (1 of 6 connected)	Septic Removal	Complete	Contract Executed			\$ 88,944		
87	34	Melbourne	South Central - Zone F (0 of 51 connected)	Septic Removal	Complete	Contract Executed					
88	44b	MIRA	MIRA Septic Removal Phase 2 of 2 (28 of 63 connected)	Septic Removal	Complete	Complete	100%	88%	\$ 191,125	34.48%	34.48%
89	2016-17	Palm Bay	North Region WRF	Wastewater Treatment Facility	Complete	Complete	100%	0%	\$ 3,636,900	4.15%	4.15%
90	68	SJRWMD	Crane Creek/M-1 Canal Flow Restoration	Stormwater Traditional	Complete	Complete	100%	0%	\$ 2,033,944	3.24%	3.24%
91	97	Titusville	Titusville High School Baffle Box	Stormwater Traditional	Complete	Complete	95%		\$ 111,813		
92	2016-02	Titusville	Osprey WWTF	Wastewater Treatment Facility	Complete	Complete	100%	0%	\$ 9,100,000	4.66%	4.66%
93	109	Titusville	Zones A-G Septic Removal (0 of 18 connected)	Septic Removal	Complete	Complete	5%		\$ 1,201,392		
94	110	Titusville	Osprey Plant Pond Managed Aquatic Pond System	Stormwater Traditional	Complete	Contract Executed			\$ 60,000		
95	111	Titusville	Draa Field Vegetation Harvesting	Stormwater Traditional	Complete	Contract Executed			\$ 57,360		

Line #	Project #	Responsible Entity	Project Name	Project Type	Scope of Work Received	Contract Review Status	Design	Construction	Contract Value	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
96	120	Titusville	Draa Field Pond Managed Aquatic Pond System	Stormwater Traditional	Complete	Contract Executed			\$ 31,281		
97	100	Titusville	Sewer Lateral Repair Project	Sewer Lateral Rehab	Received				\$ 200,000		
98	60	West Melbourne	Sylvan Estates Septic Removal Conversion (0 of 59 connected)	Septic Removal	Complete	Complete	100%	23%	\$ 1,561,215	15.02%	15.02%
99	2016-51	Brevard County	Port St. John	Rapid Infiltration Basin	Fiscal Year 2020/21						
100	2016-36	Brevard County	South Beaches O	Septic Removal	Fiscal Year 2019/20						
101	2016-37	Brevard County	South Beach P	Septic Removal	Fiscal Year 2019/20						
102	81	Brevard Zoo	Wexford	Living Shoreline - Oyster	Fiscal Year 2017/18						
103	31	Cape Canaveral	Cape Shores Swales	Stormwater Traditional	Fiscal Year 2017/18	With-drawn					
104	32	Cape Canaveral	Justamere Rd. Swale	Stormwater Traditional	Fiscal Year 2017/18	With-drawn					

Line #	Project #	Responsible Entity	Project Name	Project Type	Scope of Work Received	Contract Review Status	Design	Construction	Contract Value	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
105	33	Cape Canaveral	Hitching Post Berms	Stormwater Traditional	Fiscal Year 2017/18	With-drawn					
106	64	Cocoa Beach	Stormwater LID Convair Cove 1 Blakey Blvd	Stormwater Traditional	Fiscal Year 2020/21						
107	65	Cocoa Beach	Stormwater LID Convair Cove 2 Demsey Drive	Stormwater Traditional	Fiscal Year 2020/21						
108	78a	Cocoa Beach	McNabb Park	Living Shoreline - Oyster	Fiscal Year 2020/21						
109	78b	Cocoa Beach	McNabb Park - Plants	Living Shoreline - Plants	Fiscal Year 2020/21						
110	39	Melbourne	Stewart Road Dry Retrofit	Stormwater Traditional	Fiscal Year 2017/18	With-drawn					
111	96	Melbourne	Spring Creek Baffle Box	Stormwater Traditional	Fiscal Year 2018/19						
112	95	Melbourne	Cherry Strett Baffle Box	Stormwater Traditional	Fiscal Year 2018/19						
113	88	Melbourne	Espanola Baffle Box	Stormwater Traditional	Fiscal Year 2018/19						

Line #	Project #	Responsible Entity	Project Name	Project Type	Scope of Work Received	Contract Review Status	Design	Construction	Contract Value	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
114	67	Melbourne	Grant Place Baffle Box	Stormwater Traditional	Fiscal Year 2018/19						
115	69	Melbourne	Apollo/GA Baffle Box	Stormwater Traditional	Fiscal Year 2018/19						
116	82a	Melbourne	Riverview Park	Living Shoreline - Oyster	Fiscal Year 2017/18						
117	82b	Melbourne	Riverview Park	Living Shoreline - Plants	Fiscal Year 2017/18						
118	2016-39	Palm Bay	Septic Removal - Palm Bay A (0 of 77 connected)	Septic Removal	Fiscal Year 2020/21						
119	2016-46	Palm Bay	Septic Removal - Palm Bay B (0 of 249 connected)	Septic Removal	Fiscal Year 2020/21						
120	138	West Melbourne	Ray Bullard WRF	Wastewater Treatment Facility	Fiscal Year 2019/20						

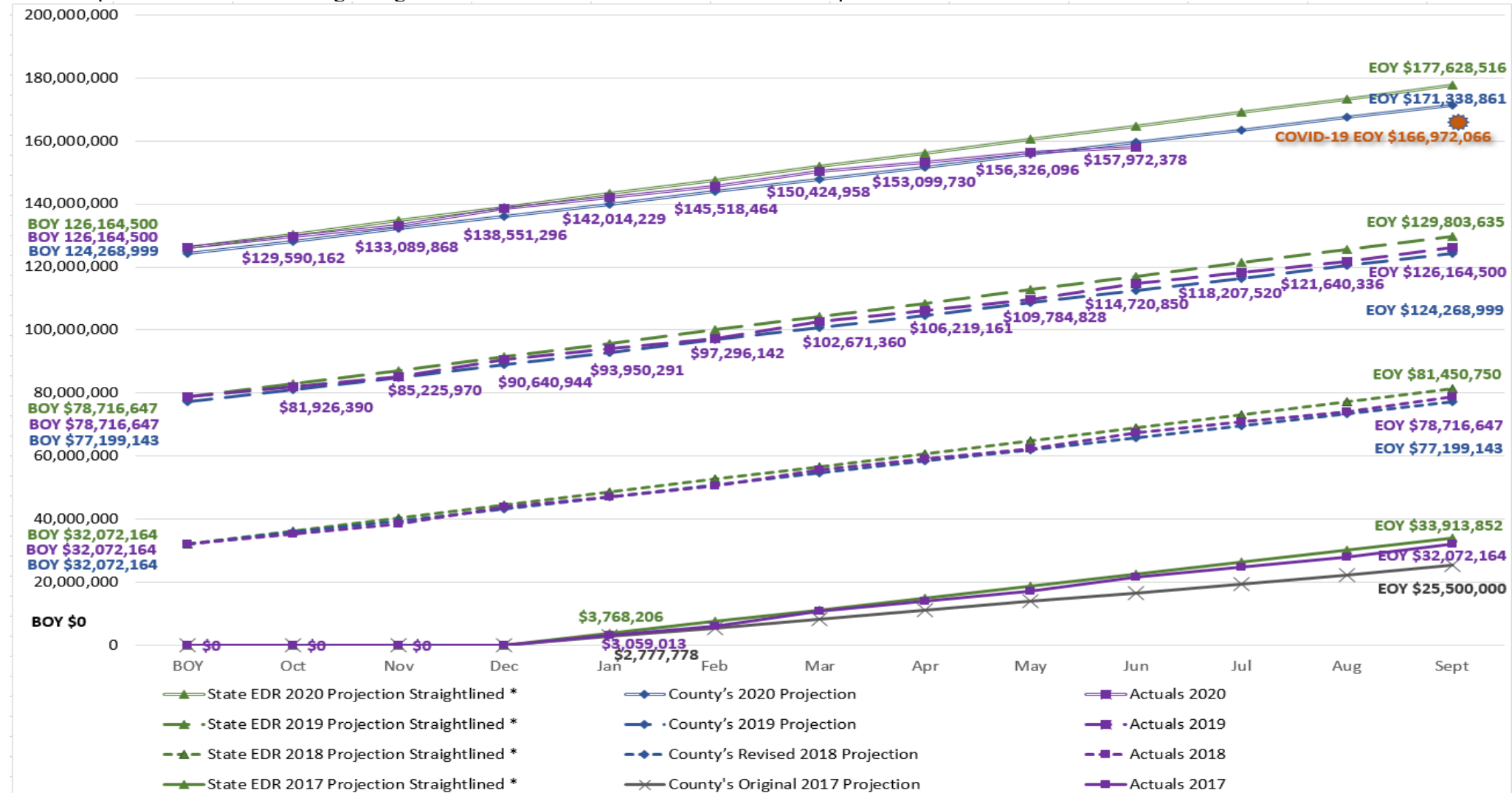
Previous Quarter Scope of Work Received Total	Previous Quarter Contract Prepared Total	Previous Quarter Executed By County Total	Previous Quarter Executed by Grantee Total	Previous Quarter Projects in Design	Previous Quarter Project Complete Total	Previous Quarter Reimbursement Requested Total	Previous Quarter Reimbursement Sent Total
88	88	86	79	79	22	50	47

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

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

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

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



Save Our Indian River Lagoon Revenues Cumulative Chart

Fiscal Year 16-17 to Current Fiscal Year

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

- Projected and Actual Data is from Systems, Applications and Products program
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- For Screen Readers use the Save Our Indian River Lagoon Revenues Cumulative Chart Fiscal Year 16-17 to Current Fiscal Year Table

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

Save Our Indian River Lagoon Revenues Cumulative Chart

Fiscal Year 16-17 to Current Fiscal Year

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

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

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

Save Our Indian River Lagoon - FY 2020

Quarterly Financial Statement

Date Range 14 May 2020 – 12 August 2020

Fund 1260

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

Revenues	Budget	Total Assigned YTD*	% Earned
Taxes	\$ 47,069,862	\$ 31,777,877	67.51%
Interest Earned	\$ 2,159,457	\$ 1,889,721	87.51%
Other Int Earnings	\$ 2,063	\$ -	
Refund of Prior Year Earnings	\$ -	\$ 7,353	
Federal Grants Hurricane Irma	\$ 1,357,269	\$ -	
State Grants Hurricane Irma	\$ 226,212	\$ -	
Other Federal Grants	\$ 2,247,235	\$ -	
Other State Grants	\$ -	\$ -	
Tourism Development Council Grants	\$ 176,234	\$ 19,100	10.84%
Cost Sharing	\$ 263,158	\$ 250,000	95.00%
Statutory Reduction	\$ (2,675,076)	\$ -	
Balance Forward	\$ 120,519,494	\$ 120,519,494	100.00%
Total	\$ 171,345,908	\$ 154,463,545	90.15%

Expenditures (Roll-Up)	Budget	Total Assigned YTD*	Actuals
Compensation & Benefits	\$ 471,918	\$ 423,423	\$ 361,728
Operating Expenses	\$ 510,328	\$ 316,866	\$ 163,257
Capital Outlay	\$ 27,500	\$ 5,205	\$ 5,202
Transfers	\$ -	\$ -	\$ -
SOIRL Projects funded under Operating Expenses	\$ 4,332,642	\$ 1,132,415	\$ 581,936
SOIRL Projects funded under Capital Improvement	\$ 56,408,596	\$ 9,820,817	\$ 1,736,395
SOIRL Projects funded under Aid to Gov't Agencies	\$ 38,195,351	\$ 11,998,594	\$ 2,053,210
SOIRL Projects funded under Aid to Private Organizations	\$ 8,311,409	\$ 810,383	\$ 195,323
Contingency	\$ 7,807,408	\$ -	\$ -
Reserves for Cash Forward	\$ 3,975,739	\$ -	\$ -
Reserves	\$ 51,305,017	\$ -	\$ -
Total	\$ 171,345,908	\$ 24,507,704	\$ 5,097,051

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Project Title SOIRL Projects funded under Operating Expenses	Contracted**	Budget	Total Assigned YTD*	Actuals
Project Monitoring (Respond) CM's: 3972, 3971, 3959, 3690, 3979, 3973, 4047, 4101	\$ 905,441	\$ 2,657,672	\$ 905,441	\$ 486,488
Community Awareness Initiatives	\$ 19,000	\$ 58,544	\$ 19,000	\$ 8,360
Fertilizer Management Public Education	\$ 50,000	\$ 88,412	\$ 50,000	\$ 44,620
Grass Clippings Public Education CM-3969	\$ -	\$ 41,972	\$ -	\$ -
Septic System Maintenance Public Education	\$ 49,975	\$ 99,649	\$ 49,975	\$ 42,468
Septic Quick Connects-BRL	\$ -	\$ 101,702	\$ -	\$ -
Septic Quick Connects-NIRL	\$ -	\$ 315,719	\$ -	\$ -
Septic Quick Connects-CIRL	\$ -	\$ 87,630	\$ -	\$ -
Septic Upgrades-BRL-45 Upgrades	\$ -	\$ 53,781	\$ -	\$ -
Septic Upgrades-NIRL-45 Upgrades	\$ -	\$ 437,561	\$ -	\$ -
Septic Upgrades-CIRL- 45 Upgrades	\$ 108,000	\$ 390,000	\$ 108,000	\$ -
<i>SOIRL Projects funded under Operating Expenses Subtotal</i>	<i>\$ 1,132,415</i>	<i>\$ 4,332,642</i>	<i>\$ 1,132,415</i>	<i>\$ 581,936</i>

Project Title SOIRL Projects funded under Capital Improvement	Contracted**	Budget	Total Assigned YTD*	Actuals
Barefoot Bay Lateral Smoke Testing	\$ -	\$ 95,946	\$ -	\$ -
South Beaches Lateral Smoke Testing	\$ -	\$ 213,212	\$ -	\$ -
Merritt Island Lateral Smoke Testing	\$ -	\$ 266,515	\$ -	\$ -
Septic Removal-BRL-Sykes Creek M CM-3838	\$ 134,400	\$ 1,845,445	\$ 134,400	\$ 4,000
Septic Removal-BRL-Sykes Creek N CM-3830	\$ 17,927	\$ 2,324,644	\$ 17,927	\$ 7,809
Septic Removal-BRL-Sykes Creek T CM-3839	\$ 126,000	\$ 5,105,298	\$ 126,000	\$ 6,500
Septic Removal-NIRL-South Central C CM-3840	\$ 231,037	\$ 4,482,271	\$ 231,037	\$ 11,265
Septic Removal-NIRL-South Beaches O	\$ -	\$ 142,306	\$ -	\$ -
Septic Removal-NIRL-South Beaches P	\$ -	\$ 533,646	\$ -	\$ -
Septic Removal-CIRL-Micco Sewer Line Extension CM-3831, CM-3709,	\$ 64,068	\$ 1,811,305	\$ 64,068	\$ 14,753
Stormwater Projects-BRL-Basin 388 Denitrification-unfunded	\$ -	\$ 100,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 476 Denitrification-unfunded	\$ -	\$ 100,000	\$ -	\$ -

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Project Title SOIRL Projects funded under Capital Improvement	Contracted**	Budget	Total Assigned YTD*	Actuals
Stormwater Projects-BRL-Basin 650 Denitrification-unfunded	\$ -	\$ 125,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 815 Denitrification-unfunded	\$ -	\$ 100,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 901 Denitrification-unfunded	\$ -	\$ 150,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 963 Denitrification-unfunded	\$ -	\$ 150,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 973 Denitrification-unfunded	\$ -	\$ 175,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 989 Denitrification-unfunded	\$ -	\$ 90,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 992 Denitrification-unfunded	\$ -	\$ 100,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 1304 Denitrification-replaced	\$ -	\$ 100,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 1304 Seagull Bioreactor	\$ 36,358	\$ 92,925	\$ 36,358	\$ -
Stormwater Projects-BRL-Projects	\$ -	\$ 1,014,566	\$ -	\$ -
Stormwater Projects-BRL-Basin 1317 Denitrification-unfunded	\$ -	\$ 125,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 1329 Denitrification	\$ 63,363	\$ 100,000	\$ 63,363	\$ -
Stormwater Projects-BRL-Basin 1343 Denitrification-unfunded	\$ -	\$ 100,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 1349 Denitrification	\$ -	\$ 339,318	\$ -	\$ -
Stormwater Projects-BRL-Basin 1350 Denitrification-unfunded	\$ -	\$ 100,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 1368 Denitrification-unfunded	\$ -	\$ 125,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 1399 Denitrification-unfunded	\$ -	\$ 125,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 1366 Denitrification-unfunded	\$ -	\$ 100,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 1409 Denitrification	\$ -	\$ 115,890	\$ -	\$ -
Stormwater Projects-BRL-Basin 1416 Denitrification-unfunded	\$ -	\$ 150,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 1419 Denitrification-unfunded	\$ -	\$ 125,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 1434 Denitrification-unfunded	\$ -	\$ 125,000	\$ -	\$ -
Stormwater Projects-BRL-Basin 1439 Denitrification-unfunded	\$ -	\$ 175,000	\$ -	\$ -

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Project Title SOIRL Projects funded under Capital Improvement Cont'd	Contracted**	Budget	Total Assigned YTD*	Actuals
Stormwater Projects-BRL-Basin 1445 Denitrification-unfunded	\$ -	\$ 175,000	\$ -	\$ -
Stormwater Projects-NIRL-Kingsmill- Aurora Phase II	\$ -	\$ 367,488	\$ -	\$ -
Stormwater Projects-NIRL-County Wide Pond Harvesting	\$ -	\$ 14,925	\$ -	\$ -
Stormwater Projects-NIRL-Huntington Pond Denitrification	\$ -	\$ 95,647	\$ -	\$ -
Stormwater Projects-NIRL-Basin 51 Johns Road Pond Retrofit	\$ 23,030	\$ 23,779	\$ 23,030	\$ -
Stormwater Projects-NIRL-Basin 10 County Line Road Bioreactor	\$ 72,773	\$ 77,581	\$ 72,773	\$ 72,773
Stormwater Projects-NIRL-Flounder Creek Pond	\$ -	\$ 55,406	\$ -	\$ -
Stormwater Projects-NIRL-Basin 100 Burkholm Rd Denitrification	\$ 64,390	\$ 66,483	\$ 64,390	\$ -
Stormwater Projects-NIRL-Basin 26 Sunset Road Serenity Park Bioreactor	\$ -	\$ 78,686	\$ -	\$ -
Stormwater Projects-NIRL-John Roads Pond CM-3906	\$ 5,773	\$ 82,020	\$ 5,773	\$ 3,738
Stormwater Projects-NIRL-Basin 115 Carter Rd Denitrification	\$ 62,509	\$ 64,542	\$ 62,509	\$ 58,161
Stormwater Projects-NIRL-Basin 141 Irwin Avenue Woodchip Bioreactor	\$ -	\$ 73,744	\$ -	\$ -
Stormwater Projects-NIRL-Basin 193 Wiley Road Denitrification	\$ 82,735	\$ 85,424	\$ 82,735	\$ -
Stormwater Projects-NIRL-Basin 22 Hunting Road Serenity Park Bioreactor	\$ -	\$ 42,725	\$ -	\$ -
Stormwater Projects-NIRL-Basin 832 Broadway Pond Denitrification	\$ 42,864	\$ 44,258	\$ 42,864	\$ 42,864
Stormwater Projects-NIRL-Projects	\$ -	\$ 1,093,774	\$ -	\$ -
Stormwater Projects-NIRL-Basin 408 Denitrification-unfunded	\$ -	\$ 125,000	\$ -	\$ -
Stormwater Projects-NIRL-Basin 454 Denitrification-unfunded	\$ -	\$ 150,000	\$ -	\$ -
Stormwater Projects-NIRL-Basin 626 Denitrification-unfunded	\$ -	\$ 150,000	\$ -	\$ -
Stormwater Projects-NIRL-Basin 1077 Denitrification-unfunded	\$ -	\$ 150,000	\$ -	\$ -
Stormwater Projects-NIRL-Basin 1078 Denitrification-unfunded	\$ -	\$ 125,000	\$ -	\$ -
Stormwater Projects-NIRL-Basin 1151 Denitrification-unfunded	\$ -	\$ 125,000	\$ -	\$ -
Stormwater Projects-NIRL-Basin 1256 Denitrification-unfunded	\$ -	\$ 150,000	\$ -	\$ -

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Project Title SOIRL Projects funded under Capital Improvement Cont'd	Contracted**	Budget	Total Assigned YTD*	Actuals
Stormwater Projects-NIRL-Basin 1273 Denitrification-unfunded	\$ -	\$ 175,000	\$ -	\$ -
Stormwater Projects-NIRL-Basin 1298 Denitrification-unfunded	\$ -	\$ 175,000	\$ -	\$ -
Stormwater Projects-NIRL-Basin 1289 Bioreactor	\$ 24,664	\$ 89,000	\$ 24,664	\$ -
Stormwater Projects-NIRL-Basin 1301 Denitrification-unfunded	\$ -	\$ 125,000	\$ -	\$ -
Stormwater Projects-NIRL-Basin 1324 Denitrification-unfunded	\$ -	\$ 150,000	\$ -	\$ -
Stormwater Projects-NIRL-Basin 1335 Denitrification-unfunded	\$ -	\$ 292,400	\$ -	\$ -
Stormwater Projects-NIRL-Basin 1342 Denitrification-unfunded	\$ -	\$ 125,000	\$ -	\$ -
Stormwater Projects-NIRL-Basin 1367 Denitrification-unfunded	\$ -	\$ 100,000	\$ -	\$ -
Stormwater Projects-NIRL-Basin 1377 Denitrification-unfunded	\$ -	\$ 125,000	\$ -	\$ -
Stormwater Projects-CIRL-Basin 2134 Fleming Grant	\$ 56,588	\$ 58,428	\$ 56,588	\$ 56,588
Stormwater Projects-CIRL-Basin 2258 Babcock Road Bioreactor	\$ -	\$ 53,520	\$ -	\$ -
Stormwater Projects-CIRL-Projects	\$ -	\$ 434,418	\$ -	\$ -
Stormwater Projects-CIRL-Basin 1562 Denitrification-unfunded	\$ -	\$ 275,000	\$ -	\$ -
Stormwater Projects-CIRL-Basin 1762 Denitrification-unfunded	\$ -	\$ 225,000	\$ -	\$ -
Muck Removal-BRL-Merritt Island Canals Muck Dredging	\$ -	\$ 7,984,857	\$ -	\$ -
Muck Removal-BRL-Sykes Creek Muck Dredging CM-3833	\$ 1,087,173	\$ 6,390,742	\$ 1,087,173	\$ 1,054,303
Muck Removal-NIRL-Grand Canal Muck Dredging	\$ 6,919,001	\$ 7,388,362	\$ 6,919,001	\$ 217,572
Muck Removal-NIRL-Eau Gallie Muck Dredging CM-3975	\$ -	\$ 5,288,852	\$ -	\$ -
Muck Removal-NIRL-Titusville East Muck Dredging CM-3975	\$ 140,603	\$ 329,115	\$ 140,603	\$ 36,716
Muck Removal-NIRL-Titusville West Muck Dredging CM-3976	\$ 134,757	\$ 320,624	\$ 134,757	\$ 28,848
Muck Removal-NIRL-National Aeronautics and Space Administration East Muck Dredging CM-3977	\$ 180,851	\$ 551,107	\$ 180,851	\$ 45,504
Muck Removal-NIRL-Rockledge A Muck Dredging	\$ 99,952	\$ 213,211	\$ 99,952	\$ -

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Project Title SOIRL Projects funded under Capital Improvement Cont'd	Contracted**	Budget	Total Assigned YTD*	Actuals
Oyster Living Shoreline-BRL-Brevard	\$ -	\$ 47,350	\$ -	\$ -
Oyster Living Shoreline-BRL-27,612 Square Feet Oysters	\$ -	\$ 429,427	\$ -	\$ -
Oyster Living Shoreline-NIRL	\$ -	\$ 479,411	\$ -	\$ -
Oyster Living Shoreline-CIRL	\$ -	\$ 93,003	\$ -	\$ -
Oyster Living Shoreline-County Wide Oyster Gardening	\$ 150,000	\$ 150,000	\$ 150,000	\$ 75,000
<i>SOIRL Projects funded under Capital Improvement Subtotal</i>	\$ 9,820,817	\$ 56,408,596	\$ 9,820,817	\$ 1,736,395

Project Title SOIRL Projects funded under Aid to Gov't Agencies	Contracted**	Budget	Total Assigned YTD*	Actuals
Waste Water Treatment Facility Upgrades-BRL-Cocoa Beach	\$ 1,015,361	\$ 1,015,361	\$ 1,015,361	\$ 143,399
Waste Water Treatment Facility Upgrades-NIRL-Titusville Osprey CM-3627	\$ 641,000	\$ 641,765	\$ 641,000	\$ -
Waste Water Treatment Upgrade- CIRL-Palm Bay CM-3934	\$ 1,249,116	\$ 3,678,410	\$ 1,249,116	\$ 5,699
Waste Water Treatment -CIRL- Melbourne Grant Street	\$ -	\$ 7,217,668	\$ -	\$ -
Sewer Lateral Pilot Project - Titusville Osprey	\$ -	\$ 206,500	\$ -	\$ -
Septic to Sewer-NIRL-MIRA	\$ 91,860	\$ 303,976	\$ 91,860	\$ 65,904
Septic to Sewer-CIRL-Melbourne- Riverside Drive	\$ 115,820	\$ 259,080	\$ 115,820	\$ -
Septic Removal-NIRL-Cocoa K	\$ -	\$ 1,240,437	\$ -	\$ -
Septic to Sewer-NIRL-West Melbourne-Roxy Avenue	\$ -	\$ 91,835	\$ -	\$ -
Septic to Sewer-NIRL-Cocoa J	\$ -	\$ 3,344,184	\$ -	\$ -
Septic to Sewer-NIRL-Rockledge	\$ -	\$ 533,646	\$ -	\$ -
Septic to Sewer-NIRL-Titusville A-G- Private Reimbursements	\$ -	\$ 1,280,751	\$ -	\$ -
Septic Removal-CIRL-Melbourne-Hoag Sewer Conversion CM-3932	\$ 72,511	\$ 72,512	\$ 72,511	\$ -
Septic Removal-CIRL-Melbourne- Penwood Sewer Conversion CM-3789	\$ 23,558	\$ 23,558	\$ 23,558	\$ -
Septic to Sewer-CIRL-West Melbourne-Sylvan Estates CM-3985	\$ 867,881	\$ 1,455,171	\$ 867,881	\$ 128,502

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Project Title SOIRL Projects funded under Aid to Gov't Agencies Cont'd	Contracted**	Budget	Total Assigned YTD*	Actuals
Stormwater Projects-BRL-Cape Canaveral Projects-Cape Shores Swale	\$ -	\$ 2,746	\$ -	\$ -
Stormwater Projects-BRL-Cape Canaveral Projects-Justamere Road Swale	\$ -	\$ 528	\$ -	\$ -
Stormwater Projects-BRL-Cape Canaveral Projects-Hitching Post Berms Swale	\$ -	\$ 2,552	\$ -	\$ -
Stormwater Project-BRL-Indian Harbour Beach-Gleason Park Reuse - Completed	\$ -	\$ 7,000	\$ -	\$ -
Stormwater Project-BRL-Indian Harbour Beach-Big Muddy Baffle Box	\$ 67,532	\$ 68,372	\$ 67,532	\$ 6,660
Stormwater Project-BRL-Satellite Beach-Jackson Court	\$ -	\$ 8,813	\$ -	\$ -
Stormwater Project-NIRL-Cocoa-Church St Type II Baffle Box CM-4169 Complete	\$ 67,189	\$ 81,089	\$ 67,189	\$ 67,189
Stormwater Project-NIRL-Cocoa-Floating Wetlands	\$ -	\$ 1,596	\$ -	\$ -
Stormwater Project-NIRL-Cocoa-Diamond Square Pond	\$ -	\$ 11,069	\$ -	\$ -
Stormwater Project-NIRL-Cocoa-Forrest Avenue Outfall	\$ -	\$ 14,878	\$ -	\$ -
Stormwater Projects-NIRL-Titusville-St Teresa Basin CM-3929	\$ 272,800	\$ 286,700	\$ 272,800	\$ 272,800
Stormwater Projects-NIRL-Titusville High School Baffle Box	\$ 111,813	\$ 115,447	\$ 111,813	\$ -
Stormwater Projects-NIRL-Titusville-Draa Field Vegetation Harvesting	\$ -	\$ 53,303	\$ -	\$ -
Stormwater Projects-NIRL-Titusville-South Street Basin CM-3908 Complete	\$ 86,856	\$ 125,125	\$ 86,856	\$ 86,856
Stormwater Projects-NIRL-Titusville-Coleman Pond Managed Aquatic Plant System	\$ 35,000	\$ 36,138	\$ 35,000	\$ 11,438
Stormwater Projects-NIRL-Titusville-Osprey Plant Managed Aquatic Plant Systems	\$ -	\$ 63,964	\$ -	\$ -
Stormwater Projects-NIRL-Titusville-La Paloma Basin CM-3933	\$ 208,296	\$ 222,196	\$ 208,296	\$ 208,296
Stormwater Projects-NIRL-Titusville-Draa Pond Managed Aquatic Plant Systems	\$ -	\$ 33,348	\$ -	\$ -
Stormwater Projects-NIRL-Melbourne-Cliff Creek Baffle Box CM-3931	\$ 347,781	\$ 347,781	\$ 347,781	\$ -

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Project Title SOIRL Projects funded under Aid to Gov't Agencies Cont'd	Contracted**	Budget	Total Assigned YTD*	Actuals
Stormwater Projects-CIRL-Melbourne-Apollo/GA Baffle Box	\$ -	\$ 307,191	\$ -	\$ -
Stormwater Projects-NIRL-Melbourne-Thrush Drive Baffle Box CM-3930	\$ 322,200	\$ 322,200	\$ 322,200	\$ -
Stormwater Projects-NIRL-Melbourne-Cherry Street Baffle Box	\$ -	\$ 95,114	\$ -	\$ -
Stormwater Projects-CIRL-Melbourne-Stewart Rd Dry Retrofit	\$ -	\$ 18,354	\$ -	\$ -
Stormwater Projects-CIRL-Melbourne-Spring Creek Baffle Box	\$ -	\$ 102,587	\$ -	\$ -
Stormwater Projects-CIRL-Melbourne-Basin 5 Dry Retention	\$ -	\$ 17,782	\$ -	\$ -
Stormwater Projects-CIRL-Melbourne-Grant Place Baffle Box	\$ -	\$ 85,162	\$ -	\$ -
Stormwater Projects-CIRL-Melbourne-Ray Bullard Stormwater Management Area	\$ -	\$ 4,645,448	\$ -	\$ -
Stormwater Projects-CIRL-St. Johns River Water Management District-Crane Creek M-1 Canal Flow Restoration	\$ 515,524	\$ 2,034,099	\$ 515,524	\$ -
Stormwater Projects-CIRL-Melbourne-Espanola Baffle Box	\$ -	\$ 108,605	\$ -	\$ -
Stormwater Grant Projects to be assigned	\$ -	\$ 52,031	\$ -	\$ -
Muck Removal-BLR-Cocoa Beach Phase III Muck Dredging & Interstitial CM-3986 Complete	\$ 308,187	\$ 352,917	\$ 308,187	\$ 308,187
Muck Removal-BLR-Cocoa Beach Phase II-B Muck Dredging	\$ 5,578,310	\$ 5,969,208	\$ 5,578,310	\$ 748,280
Muck Removal-BLR-Indian Harbour Beach Muck Dredging & Interstitial	\$ -	\$ 533,029	\$ -	\$ -
Muck Removal-BLR-Satellite Beach Muck Dredging	\$ -	\$ 533,029	\$ -	\$ -
Oyster/Living Shorelines-BRL-Cocoa Beach-McNabb	\$ -	\$ 37,486	\$ -	\$ -
Oyster/Living Shorelines-NIRL-Melbourne-Riverview Park	\$ -	\$ 108,790	\$ -	\$ -
Plants/Living Shorelines-BRL-Cocoa Beach-McNabb	\$ -	\$ 6,340	\$ -	\$ -
Plants/Living Shorelines-NIRL-Melbourne-Riverview Park	\$ -	\$ 18,480	\$ -	\$ -
<i>SOIRL Projects funded under Aid to Gov't Agencies Subtotal</i>	<i>\$ 11,998,594</i>	<i>\$ 38,195,351</i>	<i>\$ 11,998,594</i>	<i>\$ 2,053,210</i>

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Project Title SOIRL Projects funded under Aid to Private Organizations	Contracted**	Budget	Total Assigned YTD*	Actuals
Sewer Laterals Pilot Project - Satellite Beach	\$ 4,228	\$ 840,000	\$ 4,228	\$ 4,228
Septic Quick Connects-BRL-Private Reimbursements	\$ -	\$ 101,702	\$ -	\$ -
Septic Quick Connects-NIRL-Private Reimbursements	\$ -	\$ 315,728	\$ -	\$ -
Septic to Sewer-NIRL-Titusville-South Beaches A-Private Reimbursements	\$ 18,000	\$ 54,000	\$ 18,000	\$ 18,000
Septic Quick Connects-CIRL-Private Reimbursements	\$ -	\$ 183,575	\$ -	\$ -
Septic Upgrades-BRL-45 Upgrades-Private Reimbursements	\$ -	\$ 360,000	\$ -	\$ -
Septic Upgrades-NIRL-45 Upgrades-Private Reimbursements	\$ -	\$ 360,000	\$ -	\$ -
Septic Upgrades-CIRL- 45 Upgrades-Private Reimbursements	\$ -	\$ 360,000	\$ -	\$ -
Septic Removal-BRL-Sykes Creek M-Private Reimbursements	\$ -	\$ 423,936	\$ -	\$ -
Septic Removal-BRL-Sykes Creek N-Private Reimbursements	\$ -	\$ 216,000	\$ -	\$ -
Septic Removal-BRL-Sykes Creek T-Private Reimbursements	\$ -	\$ 1,091,936	\$ -	\$ -
Septic Removal-NIRL-South Central C	\$ -	\$ 250,000	\$ -	\$ -
Septic Removal-CIRL-Micco Sewer Line Extension-Private Reimbursements	\$ -	\$ 310,000	\$ -	\$ -
Septic Removal-CIRL-Micco Sewer Line Extension Phase II	\$ -	\$ 756,629	\$ -	\$ -
Muck Removal-BLR-Cocoa Beach Golf Muck Dredging	\$ -	\$ 533,029	\$ -	\$ -
Oyster/Living Shorelines-BRL-Zoo-Indian Harbour Beach-Marina Isles	\$ 26,700	\$ 26,700	\$ 26,700	\$ 26,700
Oyster/Living Shorelines-BRL-Zoo-Banana River	\$ -	\$ 601,968	\$ -	\$ -
Oyster/Living Shorelines-BRL-Zoo-Banana River Oyster Project 2	\$ -	\$ 282,292	\$ -	\$ -
Oyster/Living Shorelines-BRL-Zoo-Oyster Reef Adjustment	\$ -	\$ 13,646	\$ -	\$ -
Oyster/Living Shorelines-NIRL-Coconut Point	\$ 45,120	\$ 45,120	\$ 45,120	\$ 45,120
Oyster/Living Shorelines-NIRL-Zoo-North IRL	\$ 342,144	\$ 352,372	\$ 342,144	\$ 59,973
Oyster/Living Shorelines-NIRL-Zoo-North IRL Oyster Project 2	\$ -	\$ 358,622	\$ -	\$ -
Oyster/Living Shorelines-NIRL-Zoo-Oyster Reef Adjustment	\$ -	\$ 28,997	\$ -	\$ -

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Project Title SOIRL Projects funded under Aid to Private Organizations	Contracted**	Budget	Total Assigned YTD*	Actuals
Oyster/Living Shorelines-CIRL-Zoo-Melbourne Beach-Wexford	\$ -	\$ 31,150	\$ -	\$ -
Oyster/Living Shorelines-CIRL-Zoo-Central IRL CM4452	\$ 92,831	\$ 98,069	\$ 92,831	\$ 9,936
Oyster/Living Shorelines-CIRL-Zoo-Central IRL Oyster Project 2	\$ 270,800	\$ 288,689	\$ 270,800	\$ 30,646
Plants/Living Shorelines-NIRL-Zoo-North IRL Plant Project 2	\$ 9,840	\$ 10,490	\$ 9,840	\$ -
Plants/Living Shorelines-BRL-Zoo-Banana River	\$ 720	\$ 743	\$ 720	\$ 720
Plants/Living Shorelines-BRL-Zoo-Banana River Plant Project 2	\$ -	\$ 512	\$ -	\$ -
Plants/Living Shorelines-CIRL-Zoo-Central IRL	\$ -	\$ 3,221	\$ -	\$ -
Plants/Living Shorelines-CIRL-Zoo-Central IRL Plant Project	\$ -	\$ 2,047	\$ -	\$ -
Plants/Living Shorelines-CIRL-MRC-Fisherman's Landing	\$ -	\$ 5,118	\$ -	\$ -
Plants/Living Shorelines-CIRL-MRC-Rotary Park	\$ -	\$ 5,118	\$ -	\$ -
<i>SOIRL Projects funded under Aid to Private Organizations</i>	\$ 810,383	\$ 8,311,409	\$ 810,383	\$ 195,323
SOIRL Projects Total	\$ 23,762,210	\$ 107,247,998	\$ 23,762,210	\$ 4,566,863



www.AquaFiber.com

Clean Water for a Sustainable Future

August 6, 2020

Mr. Bryan Lober
Chairman
Brevard County Board of County Commissioners
2725 Judge Fran Jamieson Way
Viera, FL 32940

c/o Ms. Terri Breeden
Save Our Indian River Lagoon Program
Brevard County Natural Resources Management Department
2725 Judge Jamieson Way, Building A
Viera, FL 32940

Re: Termination of Contract between Brevard County, Florida and Aquafiber Technologies Corporation

It is with reluctance that AquaFiber Technologies Corporation ("AquaFiber[®]TM") must invoke Section 17 of the contract between AquaFiber and Brevard County ("County") for the AquaLutions[®]TM Indian River Lagoon Scrubbing Feasibility Study funded by a Tourism and Lagoon Project Reimbursement Grant. The contract expires on (was extended until) September 24, 2020.

17. Termination. Either party may terminate this **CONTRACT** at any time for convenience upon thirty (30) calendar day's prior written notice to the other Parties. In the event of termination by either party, **AQUAFIBER** shall, at its sole expense, remove all project components and return the demonstration site to its original pre-project condition. The **COUNTY** is only responsible for payment for services completed prior to the effective date of termination.

Due to ongoing, unfavorable economic conditions, AquaFiber[®]TM is unable to continue active business operations. It is ceasing all water quality projects effective Wednesday, August 5, 2020. This includes the project to test AquaFiber's[®]TM nutrient remediation process on the Indian River Lagoon using its mobile trailer unit, scheduled to start August 10, 2020.

It is with much regard that AquaFiber[®]TM has to terminate this contract. AquaFiber[®]TM was very much looking forward to proving its technology on the surface waters of the Indian River Lagoon, but after much consideration of future potential or lack thereof, it was decided to terminate all such efforts.

PO Box 4815
Winter Park, FL 32793-4815
(407) 671-2782 {Voice}
www.aquafiber.com

Although all business operations are ceasing, the company is not dissolving completely. We hope to see a favorable change in the State's mindset towards alternative water treatment process in the future and return with our full-cycle solution to start the process of making Florida the first clean water state in the US, a goal that we have been trying to achieve for many, many years.

Since the project never started or even made it to the proposed treatment site, there was nothing disturbed that needs to be restored. And since no water quality results were produced, AquaFiber[®]™ has no payment or invoice requests.

We appreciate the opportunity to work with Brevard County and the Tourism Development Council and regret having to pass on this wonderful opportunity deeply. We also apologize sincerely for the late notification. We hope to have the opportunity to come back stronger in the future and have the ability to work with the County and the Council on a project that will have an impact on the Lagoon.

Kind regards,

A handwritten signature in black ink, appearing to read "Will C. Eggers". The signature is fluid and cursive, with a long horizontal stroke at the end.

William Eggers
Vice President of Science and Technology
AquaFiber Technologies Corporation



Save Our Indian River Lagoon
Citizen Oversight Committee
August 21, 2020

Agenda Item:

VIII. a. New Business

Title:

Leaky Lateral Repair Grant Eligible Area Expansion

Requested Action:

After hearing a presentation on proposed changes to leaky lateral enforcement and repair grants, motion to recommend to the Brevard County Commission for their consideration and adoption that the Save Our Indian River Lagoon Program expand the eligible area for leaky lateral repair grants to the entire watershed of the Indian River Lagoon within Brevard County.

Summary Explanation and Background:

In 2017, Brevard County Utilities Services conducted a smoke testing program that included approximately 12,700 parcels in the Satellite Beach/Indian Harbour Beach service area. Based on the smoke testing results and an estimate from the smoke testing consultant for the cost to repair the private portion of the sanitary system, In 2018, the Save Our Indian River Lagoon (SOIRL) Program allocated a budget of \$840,000 to incentivize voluntary repair of sewer leaks on private properties and measure the levels of groundwater pollution before and after repairs. Grant eligibility notices were mailed to all the owners of identified deficiencies. The table below quantifies the deficiencies found by category and the number of owners who completed repairs and were reimbursed with SOIRL funds:

Types of Deficiency	Number of deficiencies	Number of interested	Number of applications	Number of repairs	Number Reimbursed	Homeowner declined
Leaking Laterals	31	12	0	4	0	0
Broken Clean Outs	190	23	13	25	9	2
Total	221	35	13	29	9	2
Percent of Total	100%	16%	6%	13%	4%	1%

A letter was sent to the owners of broken clean-out pipes while multiple attempts were made to engage the owners of leaky laterals in repairs and groundwater monitoring. A brochure was hand delivered to the 31 homes with leaky laterals and these sites were



revisited during daytime hours, weekend hours and weekday evenings. Of the 31, eight (8) agreed to allow groundwater monitoring before and after leak repair. Four (4) have made repairs; two (2) repairs were done while monitoring was underway.

The groundwater data indicated that seven (7) of the eight (8) leaky lateral sites monitored had plumes of elevated nutrients and/or bacteria levels migrating toward the lagoon. Therefore, the Citizen Oversight Committee recommended expanding the pilot program to additional smoke testing areas. A project was approved for the City of Titusville in the 2019 Plan Update and 3 projects were approved in unincorporated areas of the County in the 2020 Plan Update. The approved budgets for those projects cover the smoke testing costs and replacement of missing cleanout caps. Leaky lateral repair costs can be funded on a first-come, first-serve basis from the unclaimed balance of the \$840,000 originally approved to incentivize repairs in the pilot area by reimbursing owners for their repair costs.

On August 4th, the County Commission considered options regarding enforcement of Brevard County Code Section 110-68 as it relates to leaking sanitary laterals and the responsibility of property owners to repair them. In addition to pro-active enforcement of the code, the Board considered fine structures and grants to incentivize repairs. The Board discussed

- higher fines for areas that impact water quality in the Indian River Lagoon,
- higher fines for owners who have been offered grants yet have not completed repairs,
- a deadline for making repairs before daily fines would begin,
- offering SOIRL repair grants county-wide within the watershed of the Indian River Lagoon,
- reducing by 50% the grant eligibility for owners in the pilot area who have not yet shown interest in repairing their leaks, and
- finding a way for the County to be able to pay plumbers directly instead of reimbursing homeowners.

SOIRL staff had previously prepared a request for proposals for plumbers to make repairs for owners and be paid directly by the County. This package is currently advertised with then intent to pre-qualify a list of plumbers whom owners can contact to obtain cost quotes. For repairs, owners will need to submit 3 quotes to staff and move forward with the least cost acceptable bid. Owners who do not want to use plumbers on the list, may submit quotes from other plumbers of their choice to be reviewed and accepted by the county, with the owners paying the plumbers directly and then filing documentation for reimbursement from the County.

Staff seeks a recommendation from the Citizen Oversight Committee on expanding the leaky lateral grant program to County-wide within the watershed of the Indian River Lagoon and on the amount of notice to be provided to owners before potentially reducing their grant eligibility.