

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

September, 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
  - a. Welcome Kimberly Newton – Alternate for Education/Outreach
- III. Approval of the Agenda
- IV. Approval of Minutes
- V. Progress and Fiscal Reports
  - a. Monthly Progress Report – Virginia Barker, Director
  - b. Monthly Revenue Graph – Crystal Melton, Fiscal Analyst
- VI. Other Reports and Special Presentations
  - a. Merritt Island Redevelopment Agency - Cone Road Septic to Sewer Update – Cynthia Thurman, Special Projects Coordinator IV
  - b. Plumber Request for Qualifications Update – Matt Badolato, Environmental Specialist
  - c. Clam Aquaculture Incentive Program - Matt Badolato and Jenny Hansen, Environmental Specialists
  - d. My Lagoon Story Videos featuring Dennis Basile
  - e. Project Videos for the Living Shoreline Demonstration and for Oyster Monitoring
- VII. Old Business
  - a. Leaky lateral grant Update – Virginia Barker, Director
- VIII. New Business
  - a. Melbourne Sherwood Park Stormwater Project Expansion (added to Basin 1335) – Terri Breeden, Environmental Specialist
  - b. Reappointments and Succession Planning – Dr. John Windsor
- IX. General Public Comments
- X. Final Comments by Chair and Committee Members
- XI. Adjournment

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

August 21, 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	Vacant	No
Finance	Courtney Barker-Vice-Chair	No	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**

Vinnie Taranto moved to approve the Agenda as written; Seconded by Stephany Eley. Motion was unanimously approved.

**IV. Approval of Minutes**

David Lane moved to approve the July 17, 2020 minutes as written; Seconded by Jay Moynahan. 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. Quarterly Progress Report – Terri Breeden, Environmental Specialist I**

The quarterly update of the Save Our Indian River Lagoon Project Performance Table from April 1<sup>st</sup> through June 30<sup>th</sup> was given. The update included: 1) Stormwater projects update by Terri Breeden and Courtney Maier; 2) Muck Dredging projects, and the Micco Sewer Line Extension project updates were given by Walker Dawson; 3) Sewer projects update by Anthony Gubler; 4) Grass Clippings campaign, Fertilizer Education, Septic Public Education and Lagoon Loyal Program updates by Brandon Smith; 5) Living Shoreline Projects by Brevard Zoo and Marine Resources Council updates by Terri Breeden; and, 6) Municipalities including Cocoa Beach, Cocoa, Indian Harbour Beach, Merritt Island, Palm Bay, Titusville and West Melbourne project updates by Terri Breeden; 7) Melbourne projects by Dani Straub, City of Melbourne; and 8) updates by Terri Breeden on status reports from entities who were allocated funds in prior years but have not yet provided the submittals required for contracting the funds.

Discussion ensued. The Committee's questions were answered by Terri Breeden, Walker Dawson and Anthony Gubler and Virginia Barker.

### **c. Monthly Revenue Graph – Crystal Melton, Fiscal Analyst**

Crystal Melton reported on the Monthly Revenue Graph.

### **d. Quarterly Financial Report – Crystal Melton, Fiscal Analyst**

Crystal Melton reported on the Quarterly Financial Report.

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

## **VI. Other Reports and Special Presentations**

### **a. Derelict Vessels – Matt Culver, Brevard County Boating & Waterways Program Coordinator**

Matt Culver gave a power point presentation entitled, Brevard County Derelict Vessel Removal Program, which included: 1) Summary of Boating in Brevard; 2) Hazards of Derelict Vessels in County Waterways; 3) Derelict Vessel Initiative; 4) Derelict Vessel Reporting and Removal Process; 5) Derelict Vessel Penalties; 6) Derelict Vessel Project Funding; 7) Project Management and Removal Costs; 8) Removal Contracting and Requirements; 9) Mooring Field Siting Analysis for Brevard County and Reasons for Mooring Fields; 10) Artificial Reef Program; and 11) Special Cases: Derelict Vessels on the Beach and Houseboats.

Discussion ensued. The Committee's questions were answered by Matt Culver.

**b. My Lagoon Story Videos featuring Melissa Martin**

A My Lagoon Story video featuring Melissa Martin was shown.

**c. Project Videos for the In-Ground Nitrogen Reducing Biofilter Septic Upgrades and Sylvan Estates Septic to Sewer Project**

A video of the In-Ground Nitrogen Reducing Biofilter Septic Upgrades and Sylvan Estates Septic to Sewer Project was shown.

**VII. Old Business**

**a. AquaFiber – Termination of Contract**

Virginia Barker reported that due to ongoing, unfavorable economic conditions associated with COVID-19, AquaFiber invoked the Termination of Contract clause. It was noted that AquaFiber was very much looking forward to the project to test AquaFiber's nutrient remediation process on the Indian River Lagoon using its mobile trailer unit. The project was scheduled to start on August 10, 2020.

**VIII. New Business**

**a. Leaky Lateral Grant Program – Virginia Barker, Director**

Virginia Barker gave a summary explanation and background information on New Business Item, a., Leaky Lateral Repair Grant Eligible Area Expansion. Staff was seeking 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 on a first-come, first serve basis and on the amount of notice to be provided to owners before potentially reducing their grant eligibility. Discussion ensued.

Vinnie Taranto moved that the Citizen Oversight Committee recommend to the Board of County Commissioners to expand the current grants program to all smoke testing areas already approved which include: 1) Satellite/Indian Harbour Beach Pilot Project; 2) Pilot area in the City of Titusville; and, 3) the three projects that were approved in unincorporated areas of the County in the 2020 Plan Update. Seconded by Lorraine Koss for discussion.

There was further discussion regarding the possible of expansion of the program.

There were no Public Comments.

The motion was approved with Jay Moynahan voting in opposition.

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

Discussion about the options considered at the August 4<sup>th</sup> County Commission Meeting 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 ensued.

The Committees questions were answered by Virginia Barker.

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

Jay Moynahan moved that the Committee's recommendation to staff regarding the amount of time provided to owners before potentially reducing their grant eligibility were as follows: 1) a ninety day notification period; 2) staff reach out with two notification letters, one in the beginning and one half way through; 3) information about the program be provided on social media for public awareness; and, 4) at the end of the ninety days, there be no further opportunity to take advantage of the reimbursement funds, and any remaining funds become available for other applicants. Seconded by Lorraine Koss.

Discussion ensued.

There were no Public Comments.

Motion was approved unanimously.

**IX. General Public Comment**

There were no public comments.

**X. Final Comments by Chair and Committee Members**

Final Comments were heard.

**XI. Adjournment**



## Save Our Indian River Lagoon Project Plan September 2020 Progress Report

### WORK COMPLETED THIS MONTH:

- Grant applications submitted for South Central C Septic to Sewer, Connection of Oak Point Package Plant to Central Sewer, Upgrade of 20 homes on Grant Farm Island to Distributed Sewer, Leaky Lateral Repairs, Vegetative Harvesting, Grand Canal Muck Dredging, a Floating Solar BioHaven in the Long Point Sewage Lagoon, Remote Sensing and Analysis for Sykes Creek and Grand Canal, an Innovative Toilet, and Outreach funding to address Excess Irrigation and Stormwater Pond Maintenance
- Fertilizer sign compliance letters were sent to 6 stores.
- Basin 51 stormwater treatment project broke ground September 9<sup>th</sup>
- Rockledge A– Field data collection complete. Awaiting deliverables.
- Cocoa Beach Golf Muck Project – Interviews with consultant applicants conducted on September 9<sup>th</sup>
- Rockledge A– Field data collection complete, analysis underway
- Brevard Zoo distributed oyster spat to gardeners from a successful spawn by Harbor Branch
- University of Central Florida conducted oyster bar monitoring at Riverside Drive, which had 90.6% survival at 1 month, and Coconut Point which had more than doubled the live count – at a mean of 51.6 oysters per monitored bag at 3 months. Two vegetated living shorelines were also monitored with an average of 52 and 63% survival for grasses and 68 and 97% survival of mangroves.
- Project videos were completed for the Living Shoreline Demo Site & Oyster Monitoring
- Derelict Vessels – 2 additional derelict vessels removed

### WORK UNDERWAY THIS MONTH:

- Sykes Creek N Septic-to-Sewer – land acquired for vacuum sewer station and lift station
- Beaches Leaking Sewer Laterals – 28 repairs complete; 9 reimbursements processed to date
- Two plumbers submitted qualifications to repair leaky laterals and connect septic to sewer
- Cone Road Septic-to-Sewer Phase 2 – 39 properties connected
- Micco Sewer Service Extension – Additional design work under way
- South Central C Septic-to-Sewer – submitted state permit application
- Innovative Septic Drainfields - Permit applications submitted to the state for the next 3 sites
- Septic Upgrades – 2<sup>nd</sup> grant notices sent; 145 applications and 3 reimbursements processed
- Basin 1304 stormwater treatment – construction crew were temporarily pulled off this job
- Johns Road and Flounder Creek –federal permits approved, pursuing in-house County construction
- Huntington Pond – considering different design options
- Grand Canal Muck Dredging –Dredging is active; permit agencies may shorten manatee closure window
- Sykes Creek Phase I Muck Dredging – 2<sup>nd</sup> request for additional information due from contractor 9/30
- NASA Causeway East & Titusville Railroad Bridge West – Analysis of field data is underway
- Eau Gallie Northeast Muck Project – Task order to revise pipeline corridor is in process
- Brevard Zoo has begun material preparation of new gabion material for oyster bars at Dragon Point.
- Brevard Zoo will be hosting a virtual oyster gardening workshop
- New clam program ideas – collaborative discussions are ongoing with community partners
- Video Production – filming for My Lagoon Story: Kimberly Newton



#### **PRESENTATIONS THIS MONTH:**

September 17—Satellite Beach 55+ Fishing Club Meeting – Matt  
September 19 – Catch a Memory Fishing Radio Show – Virginia  
September 29 – Cocoa Rotary Meeting – Virginia  
October 7 – Propeller Club - Virginia

#### **UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:**

October 6 - [Marine Resources Council Lunch and Learn Webinar: Horseshoe Crab Watch](#)  
September 12 – [Marine Resources Council and Rockledge Gardens Mighty Mangroves Webinar](#)  
September 26 – [Marine Resources Council National Estuaries Day Celebration](#)  
Ongoing - [Marine Resources Council 3<sup>rd</sup>-6<sup>th</sup> grade Virtual Learning](#)

#### **UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:**

Brevard Zoo – [Email for upcoming Reef Build and Shoreline Planting events](#)  
Keep Brevard Beautiful - [International Virtual Coastal Cleanup \(September\) – Report in KBB app](#)  
Marine Resources Council – [International Coastal Cleanup, September 19](#)

#### **WEBSITE AND SOCIAL MEDIA LINKS:**

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

#### **FUTURE TOPICS FOR SPECIAL PRESENTATIONS:**

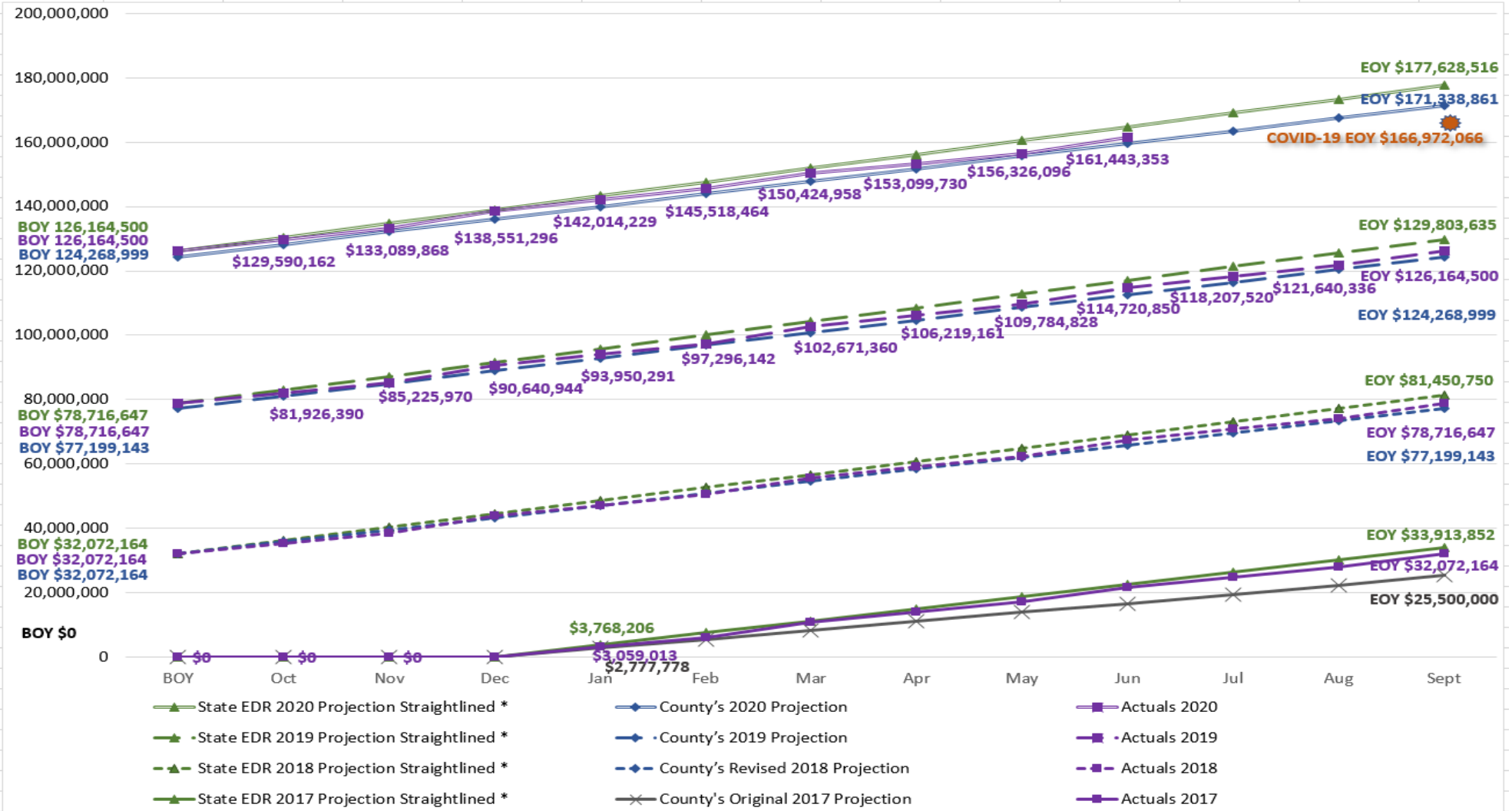
1. Ongoing Research on Charismatic Critters of the Lagoon – Hubbs SeaWorld Research Institute
2. Wastewater Utility Asset Management Planning – Todd Swingle
3. Re-use/Reclaimed Water – Nutrient Loading Impacts and Opportunities
4. Surface Water Remediation – Phosphorus Free, S.W.I.G., D.T.G., Chemical 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 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

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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
<b>BOY</b>	<b>126,164,500</b>	<b>124,268,999</b>	<b>126,164,500</b>	<b>\$78,716,647</b>	<b>\$77,199,143</b>	<b>\$78,716,647</b>	<b>\$32,072,164</b>	<b>\$32,072,164</b>	<b>\$32,072,164</b>
Oct	130,453,168	128,191,487	\$129,590,162	\$82,973,896	\$81,121,631	\$81,926,390	\$36,187,046	\$35,832,746	\$35,300,032
Nov	134,741,836	132,113,976	\$133,089,868	\$87,231,145	\$85,044,119	\$85,225,970	\$40,301,929	\$39,593,327	\$38,647,632
Dec	139,030,504	136,036,464	\$138,551,296	\$91,488,394	\$88,966,607	\$90,640,944	\$44,416,811	\$43,353,909	\$43,870,270
Jan	143,319,172	139,958,953	\$142,014,229	\$95,745,643	\$92,889,095	\$93,950,291	\$48,531,693	\$47,114,490	\$47,150,412
Feb	147,607,840	143,881,441	\$145,518,464	\$100,002,892	\$96,811,583	\$97,296,142	\$52,646,575	\$50,875,072	\$50,484,322
Mar	151,896,508	147,803,930	\$150,424,958	\$104,260,141	\$100,734,071	\$102,671,360	\$56,761,457	\$54,635,653	\$55,782,660
Apr	156,185,176	151,726,418	\$153,099,730	\$108,517,390	\$104,656,559	\$106,219,161	\$60,876,340	\$58,396,235	\$59,191,675
May	160,473,844	155,648,907	\$157,972,378	\$112,774,639	\$108,579,047	\$109,784,828	\$64,991,222	\$62,156,817	\$62,444,639
Jun	164,762,512	159,571,395	\$161,443,353	\$117,031,888	\$112,501,535	\$114,720,850	\$69,106,104	\$65,917,398	\$67,409,450
Jul	169,051,180	163,493,884		\$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

<b>Month</b>	<b>State EDR 2017 Projection Straightlined *</b>	<b>County's Original 2017 Projection</b>	<b>Actuals 2017</b>
<b>BOY</b>	<b>zero</b>	<b>zero</b>	<b>zero</b>
Oct	<b>zero</b>	<b>zero</b>	<b>zero</b>
Nov	<b>zero</b>	<b>zero</b>	<b>zero</b>
Dec	<b>0</b>	<b>0</b>	<b>0</b>
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  
Citizen Oversight Committee  
September 18, 2020

**Agenda Item:**

VIII. a. New Business

**Title:**

Request for Additional Funding for the City of Melbourne Sherwood Park Stormwater Quality Project

**Requested Action:**

Motion to recommend approval of a \$99,708 funding increase for the City of Melbourne's Sherwood Park Stormwater Quality Project to treat portions of Basins 1330 and 1331 in addition to Basin 1335.

**Summary Explanation and Background:**

The City of Melbourne Sherwood Park Stormwater Quality Project includes constructing a baffle box, two wet detention ponds, and two raingardens adjacent to the Sherwood Park subdivision. This will treat stormwater from 246 acres comprised of three residential subdivisions that currently have no stormwater treatment. This project will treat stormwater and remove an estimated 3,214 pounds of Total Nitrogen and 879 pounds of Total Phosphorus from Basins 1330, 1331, and 1335. The total project cost is \$1,696,489.09 with a requested Save Our Indian River Lagoon Cost-Share of \$392,108 (amounting to 23%).

The 2020 Save Our Indian River Lagoon Plan Update includes \$292,400 for treating Basin 1335. However, Section 7.3 of the Save Our Indian River Lagoon Project Plan allows the Contingency Fund Reserve to be used *"to increase funding for approved projects that encounter cost-effective opportunities for value added modifications that could occur swiftly if funding could be made available before the next plan update. If a project can be expanded or altered to provide greater nutrient reduction benefits than planned, contingency funds can be allocated at the rate for that project type established in the most recently adopted plan update in the table titled 'Cost-share per Pound of TN Removed by Project Type.' In no case shall the total cost-share from the Trust Fund exceed the total project costs, minus other grants or donations for that project."*

The City of Melbourne proposes to remove 3,214 pounds of nitrogen at the approved rate of \$122/lb for stormwater projects constructed on the mainland, making their project eligible for a total of \$392,108 (an increase of \$99,708 above the amount allocated for Basin 1335 in the approved 2020 Plan).



The City has secured a \$400,000 grant from the Florida Department of Environmental Protection and are contributing \$904,381.08 as local match. The proposed project is more cost effective than septic upgrades, septic to sewer extension projects, sewer lateral rehabilitation projects or muck removal.

Staff seeks a recommendation from the Citizen Oversight Committee on expanding the funding for the City of Melbourne Sherwood Park Stormwater Quality Project to include additional funds for treating stormwater from basins 1330 and 1331 at an increased cost-share of \$99,708.