

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

January 21, 2022 – 8:30 to 11:30 am
Brevard County Government Center
2725 Judge Fran Jamieson Way, Building C
Viera, Florida 32940
Florida Room and On-line via Zoom Conference

- I. Call to Order
- II. Roll Call
- III. Acceptance of Virtual Votes
- IV. Approval of the Agenda
- V. Approval of Minutes
- VI. Progress and Fiscal Reports
 - a. Monthly Progress Report – Virginia Barker, Director
 - b. Monthly Revenue Graph – Crystal Melton, Fiscal Analyst
 - c. Revenue and Inflation Projection Update - Virginia Barker, Director
- VII. Other Reports and Special Presentations
 - a. Satellite Bloom Mapping Project – Matt Badolato, Environmental Specialist
- VIII. Old Business
- IX. New Business
 - a. Draft Save Our Indian River Lagoon Project Plan 2022 Update – Marcy Frick, Tetra Tech Inc. and Virginia Barker, Director
- X. General Public Comments
- XI. Final Comments by Chair and Committee Members
- XII. Adjournment

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

November 19, 2021 – 8:30 a.m.
2725 Judge Fran Jamieson Way,
Florida Room and On-Line via Zoom Conference
Viera, FL 32940

Members Present:

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

Staff Present:

Virginia Barker, Brevard County Natural Resources Management Director
Alex Esseesse, Assistant County Attorney
Brandon Smith, Environmental Specialist
Matt Badolato, Associate Environmental Specialist
Terri Breeden, Associate Environmental Specialist
Courtney Maier, Engineer I
Walker Dawson, Engineer III
Anthony Gubler, Environmental Specialist
Crystal Melton, Department Finance Manager

I. Call to Order

It was noted that some Committee members, including the Vice-Chair, were stuck in traffic on Interstate 95. Since the Chair and the Vice-Chair were not physically present the Committee held a vote to allow a member to act as Chair.

Lorraine Koss moved to select John Windsor to act as Chair until Stephany Eley, Vice Chair, arrived to the meeting; seconded by Laurilee Thompson. Motion was unanimously approved.

Lorraine Koss moved to allow Chair Vinnie Taranto, who was attending online via Zoom, to vote virtually; seconded by Laurilee Thompson. Motion was unanimously approved.

Vinnie Taranto led the meeting from this point on.

II. Roll Call

III. Approval of the Agenda

Lorraine Koss moved to approve the Agenda as written; seconded by John Windsor. The motion was unanimously approved.

IV. Approval of Minutes

John Windsor moved to approve the meeting minutes of October 15, 2021 as written; seconded by Lorraine Koss. Motion was unanimously approved.

V. Progress and Fiscal Reports

a. Monthly Progress Report – Virginia Barker, Director

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, Finance Manager

Crystal Melton reported on the Monthly Revenue Graph.

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

c. Quarterly Financial Statement – Crystal Melton, Finance Manager

Crystal Melton gave an update on the Quarterly Financial Statement.

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

d. Quarterly Save Our Indian River Lagoon Project Performance Table Update - Terri Breeden, Associate Environmental Specialist

Terri Breeden and Project Managers gave an update on the Quarterly Progress Report, July 1 – September 30, 2021. The update included: 1) Palm Bay Waste Water Treatment Facility, Titusville Osprey Reclamation Facility, and Ray Bullard Biological Nutrient Removal projects by Terri Breeden; 2) County Septic Removal Projects – Sykes Creek Zone N, South Central Zone C, Sykes Creek Zone T, Micco Sewer Line Connections, Septic Upgrades and Quick Connects projects by Anthony Gubler; 3) City of Melbourne Septic Removal Projects by Dani Straub, City of Melbourne Engineering Project Manager; 4) Municipality Stormwater Project Updates by Terri Breeden; 5) Brevard County Muck Removal Projects by Walker Dawson, and Cocoa Beach Muck Removal Project(s) update by Terri Breeden; 6) Brevard Zoo Oyster Bars Project(s) and Oyster Gardening Project by Terri Breeden and; 7) Project Overview by Terri Breeden.

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

VI. Other Reports and Special Presentations

a. Project Video – Cocoa Beach Convair Cove Low Impact Development

A project video, Cocoa Beach Convair Cove Low Impact Development, was shown. Discussion ensued. The Committee's questions were answered by Brandon Smith, Environmental Specialist, and Dani Straub, City of Melbourne.

b. Latest Revenue Projection Update – Virginia Barker

Virginia Barker gave an update on the latest revenue projection. The update included: 1) Surplus Revenues Collected in Fiscal Year 2021 based on 11 months of actuals and using inflation rates to estimate for September; 2) Savings from projects completed under budget in Fiscal Year 2021; 3) Contingency Surplus from Projects completed in Fiscal Year 2021; 4) Re-Allocation Options; and, 5) Substitution Options.

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

c. Project Funding and Substitution Options – Virginia Barker and Terri Breeden

Virginia Barker and Terri Breeden reported on Project Funding and Substitution Options.

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

d. 2022 Project Funding Requests – Terri Breeden

Terri Breeden gave an update on the Save Our Indian River Lagoon Project Applications - 2022 Table. Projects were sorted by the following: 1) eligible tax funding dollar per pound of total nitrogen, smallest to largest; 2) total cost, smallest to largest; and 3) total nitrogen reduction, largest to smallest.

There was much discussion about project(s) type(s), cost share, benefits and substitution options. The Committee's questions were answered by Virginia Barker, Terri Breeden and Anthony Gubler.

VII. Old Business

None.

VIII. New Business

a. Project Funding Recommendations for the 2022 Plan Update

A summary of new project ideas and funding requests were discussed for consideration by the Citizen Oversight Committee to be recommended for funding and inclusion in the next annual update of the Save Our Indian River Lagoon Project Plan.

Courtney Barker moved to recommend modification of the Save Our Indian River Lagoon Project Plan to include all the projects on the 2022 Project Funding Requests List with the exception of Project(s) Numbered 222, 209, 220, and 2016-

Save Our Indian River Lagoon Citizen Oversight Committee Meeting
MINUTES – November 19, 2021

31/32. For Projects numbered 153 and 2016-27 the Committee recommended approval of \$1.6 million (\$800,000 each) for design costs; seconded by Stephany Eley.

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

There were no Public Comments.

Motion was unanimously approved.

Courtney Barker moved to recommend modification of the Save Our Indian River Lagoon Project Plan to include Project(s) numbered 209 and 220 in the 2022 Project Funding Request List; seconded by Lorraine Koss.

There were no Public Comments.

Motion was passed with 5 votes in favor, Courtney Barker, Stephany Eley, Lorraine Koss, Laurilee Thompson, John Windsor; and, 1 abstention, Vinnie Taranto, due to conflict of interest.

Courtney Barker moved to recommend modification of the Save Our Indian River Lagoon Project Plan to include Project(s) numbered 2016-31/32 in the 2022 Project Funding Request List; seconded by Laurilee Thompson.

There were no Public Comments.

Motion was passed with 5 votes in favor, Courtney Barker, Stephany Eley, Vinnie Taranto, Laurilee Thompson, John Winsor; and, 1 abstention, Lorraine Koss, due to conflict of interest.

Stephany Eley moved to recommend modification of the Save Our Indian River Lagoon Project Plan to include Project numbered 222 in the 2022 Project Funding Request List, seconded by Lorraine Koss.

There were no Public Comments.

Motion was passed with 5 votes in favor, Stephany Eley, Lorraine Koss, Vinnie Taranto, Laurilee Thompson, John Windsor; and, 1 abstention, Courtney Barker, due to conflict of interest.

b. 2022 Meeting Calendar

John Windsor moved to accept the 2022 Citizen Oversight Committee Meeting Calendar as presented; Seconded by Lorraine Koss. Motion was unanimously approved.

IX. General Public Comments

Public Comments were heard.

X. Final Comments by Chair and Committee Members

Final Comments were heard.

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John Windsor moved to cancel the December 16, 2021 meeting; seconded by Courtney Barker.

There were no Public Comments.

Motion was unanimously approved.

XI. Adjournment



Save Our Indian River Lagoon Project Plan January 2022 Progress Report

WORK COMPLETED THIS MONTH:

- 2022 Plan Update modified to address Committee comments, changes summarized in slides
- Micco Septic-to-Sewer – Bids opened 1/5/2022. Reviewing low bidder submittals and qualifications
- Sewer design work contracted for 10 projects: North Merritt Island E, Sharpes A, Sharpes B, Cocoa C, South Banana B, Merritt C, Merritt F, Merritt G, Sykes Creek R, & Micco B
- 4 Septic Upgrades reimbursements processed for a total of 53 completed to date
- Septic Upgrade Grant – \$97,000 Reimbursement package submitted to state and approved
- City of Titusville High School Baffle Box project completed
- City of Cocoa Beach Convair Cove Low Impact Development project completed
- Living Shoreline Performance - University of Central Florida summary indicates limited recruitment in north Brevard canals, higher recruitment in south Brevard, and potential wave and burial impacts
- Contracts – Grant Place Baffle Box executed, Ray Bullard Reclaimed Upgrade and Stormwater amended
- Grant-funded Remote Algae Bloom Sensing study – first two weekly reports distributed
- Realtor Septic Inspection Letter and Best Management Practices Flyer finalized for distribution
- Derelict Vessels – 4 removed

WORK UNDERWAY THIS MONTH:

- Grants – Brevard County submitted 2 proposal requests to the National Estuary Program
- Brevard County Smoke Testing – Contractor preparing work plan for smoke testing this spring
- South Central C Septic-to-Sewer – Construction started January 3
- Sykes Creek T Septic-to-Sewer – acquired parcel for lift station and vacuum pump
- Sykes Creek M Septic-to-Sewer – Environmental Site Assessment for vacuum pump land complete
- Sykes Creek N Septic-to-Sewer – 75% design review complete; 100% design underway
- South Beaches P Septic-to-Sewer – 90% design underway
- Sunset Road/Serenity Park/Basin 26 and Johns Rd/Basin 62 – Construction underway
- Basin 1280B Flamingo – Surveying 90% complete, hydraulic & hydrologic analyses underway
- Basin 1340B W Arlington – Surveying 90% complete, hydraulic & hydrologic analyses underway
- Basin 958 Pioneer Road – Modeling 50% complete, surveying underway
- Grand Canal Muck Dredging – Dredging is shut-down for the manatee closure period; Contractor continues to haul dredged material from dredged material management area
- Sykes Creek Phase I Muck Dredging – Contract negotiations with dredge contractor underway
- Eau Gallie Northeast Muck Dredging – Awaiting permission to cross the Intercoastal Waterway
- Satellite Beach and Indian Harbor Beach Grand Canal Muck Dredging – Surveys and design underway
- Canaveral South Muck Dredging – Task order for field data collection under review
- Contracts out for signature - Melbourne Tillman Water Control District Vegetation Harvesting and City of Cocoa Lakemont Ponds Floating Wetlands
- Contract Amendments in draft – Melbourne Pennwood Sewer, Cocoa Beach Phase IIB Muck Dredging
- Videos Contracted - Basin 26 Stormwater Treatment, McNabb Shoreline Restoration. Contracting South Central C Sewer, and Derelict Vessel Removal
- Marine Resources Council – Reviewing Grass Clippings Focus Group Report



PRESENTATIONS THIS MONTH:

February 23 – Palm Bay Sustainability Board - Brandon

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

January 25 – [Ocean Research & Conservation Association One Health Fish Monitoring Project Webinar](#)

February 1 – [Marine Resources Council Lunch and Learn – What You Plant Matters](#)

February 17 & 18 – [Indian River Lagoon Symposium](#)

February 19 – [Florida Friendly Landscaping Seminar](#)

March 5 – Rain Barrel Workshop at [Melbourne Botanical Fest](#)

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

January 14 & 15 – [City of Cocoa Beach Oyster Prism Building Workshop](#)

January 15 – [Mangs and Brews with Brevard Zoo!](#)

January 21 – [Ocean Research & Conservation Association Fish Processing/Dissection Workshop](#)

January 29, February 4 and February 12 – [Brevard Zoo Restore Our Shores Supply Making](#)

Brevard Zoo Restore Our Shores [Clam Restoration Project seeking volunteers](#)

Marine Resources Council Super Clam monitoring seeking volunteers – [Email Caity Savoia to register](#)

Rotary Park rain garden maintenance – [Email Carlos Cuevas for opportunities](#)

Storm drain marking in Cocoa – [Email Carlos Cuevas for opportunities](#)

Storm drain marking in Melbourne – [Email Bri Forte for opportunities](#)

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:

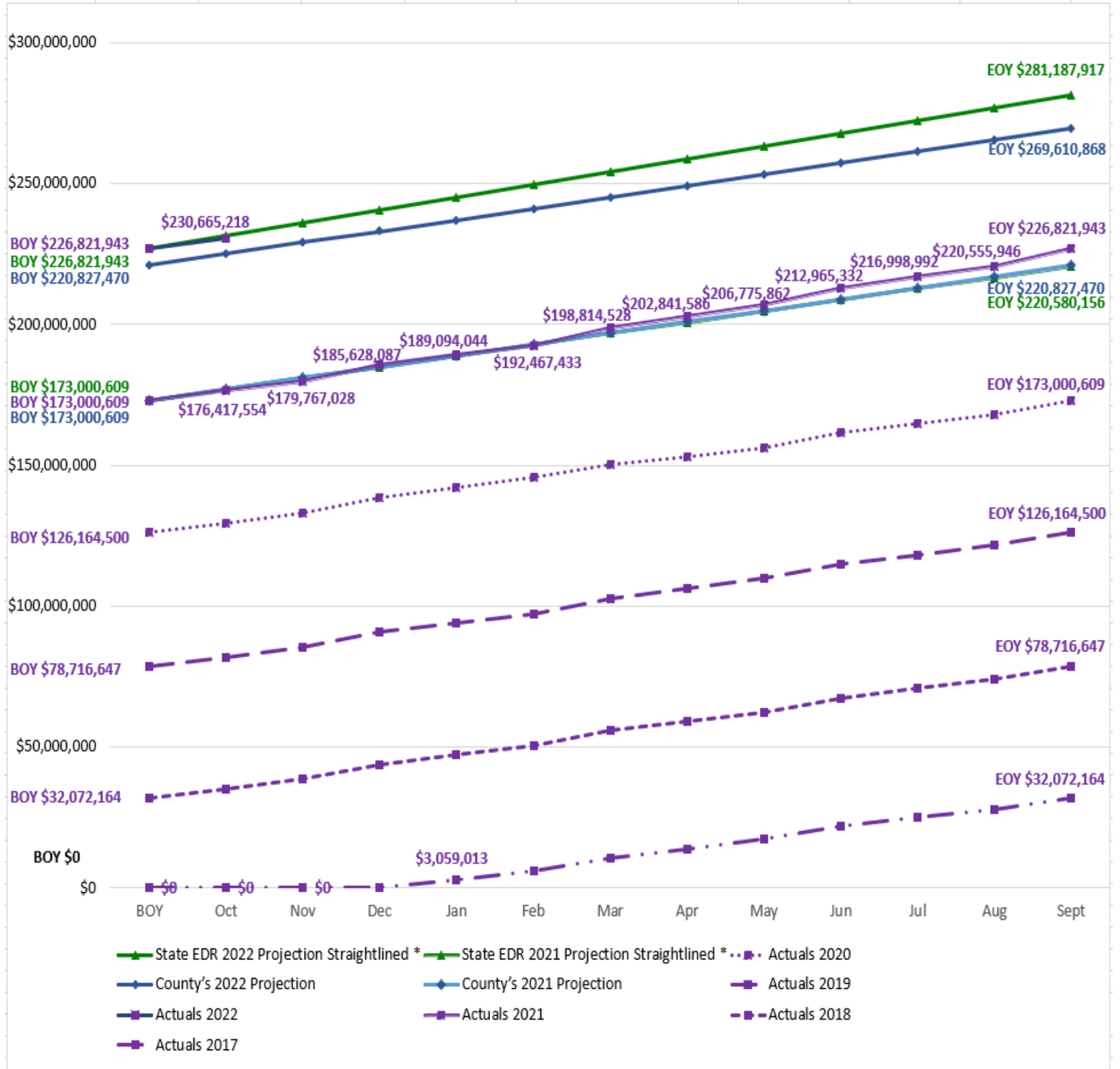
1. Florida Geology and Groundwater Vulnerability – United States Geological Service
2. Pollution and Algal Bloom Mapping via Satellite Imagery Interpretation
3. Low Impact Development/Resilience – Local examples, efforts and potential opportunities
4. Surface Water Remediation – Ferrate, S.W.I.G., D.T.G., Chemical Tech, HABITATS
5. Lagoon projects managed and funded by other agencies, entities or grant programs
6. Indian River Lagoon Research News: TechCon, Shore, and Harbor Branch Symposium Highlights
7. Water Technology Conference/Industry Day – Economic Development and National Estuary Program
8. Completed and Ongoing Lagoon Research – Florida Tech Research Initiative
9. Lagoon Fish and Fisheries Research – Dr. Grant Gilmore
10. Nutrient Loading Impacts of Reclaimed Water
11. Project Performance Measurement Results
12. Microplastics in the Lagoon
13. Herbicide Alternatives
14. Clam Restoration and Aquaculture Stimulus Projects
15. Zoo Conservation and Aquarium

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
- 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

Month	State EDR 2022 Projection Straightlined *	County's 2022 Projection	Actuals 2022	State EDR 2021 Projection Straightlined *	County's 2021 Projection	Actuals 2021
BOY	\$226,821,943	\$220,827,470	\$226,821,943	\$173,000,609	\$173,000,609	\$173,000,609
Oct	\$231,352,441	\$224,892,753	\$230,665,218	\$176,965,571	\$176,986,181	\$176,417,554
Nov	\$235,882,939	\$228,958,036		\$180,930,533	\$180,971,752	\$179,767,028
Dec	\$240,413,437	\$233,023,319		\$184,895,496	\$184,957,324	\$185,628,087
Jan	\$244,943,935	\$237,088,602		\$188,860,458	\$188,942,896	\$189,094,044
Feb	\$249,474,432	\$241,153,885		\$192,825,420	\$192,928,467	\$192,467,433
Mar	\$254,004,930	\$245,219,169		\$196,790,382	\$196,914,039	\$198,814,528
Apr	\$258,535,428	\$249,284,452		\$200,755,345	\$200,899,611	\$202,841,586
May	\$263,065,926	\$253,349,735		\$204,720,307	\$204,885,183	\$206,775,862
Jun	\$267,596,424	\$257,415,018		\$208,685,269	\$208,870,754	\$212,965,332
Jul	\$272,126,922	\$261,480,301		\$212,650,231	\$212,856,326	\$216,998,992
Aug	\$276,657,419	\$265,545,584		\$216,615,194	\$216,841,898	\$220,555,946
Sept	\$281,187,917	\$269,610,868		\$220,580,156	\$220,827,470	\$226,821,943

Month	Actuals 2020	Actuals 2019	Actuals 2018	Actuals 2017
BOY	\$126,164,500	\$78,716,647	\$32,072,164	zero
Oct	\$129,590,162	\$81,926,390	\$35,300,032	zero
Nov	\$133,089,868	\$85,225,970	\$38,647,632	zero
Dec	\$138,551,296	\$90,640,944	\$43,870,270	zero
Jan	\$142,014,229	\$93,950,291	\$47,150,412	\$3,059,013
Feb	\$145,518,464	\$97,296,142	\$50,484,322	\$6,217,230
Mar	\$150,424,958	\$102,671,360	\$55,782,660	\$10,686,395
Apr	\$153,099,730	\$106,219,161	\$59,191,675	\$13,941,510
May	\$156,326,096	\$109,784,828	\$62,444,639	\$17,177,137
Jun	\$161,413,353	\$114,720,850	\$67,409,450	\$21,754,009
Jul	\$164,827,524	\$118,207,520	\$70,776,206	\$24,898,729
Aug	\$167,886,836	\$121,640,336	\$74,021,947	\$27,890,034
Sept	\$173,000,609	\$126,164,500	\$78,716,647	\$32,072,164



Save Our Indian River Lagoon
Citizen Oversight Committee
January 21, 2022

Agenda Item:

IX. a. New Business

Title:

Draft Save Our Indian River Lagoon Project Plan 2022 Update

Requested Action:

After hearing a presentation on the proposed changes contained within the draft document, motion to recommend the *Save Our Indian River Lagoon Project Plan 2022 Update* to the Brevard County Commission for their consideration and adoption.

Summary Explanation and Background:

Each year, new information and project opportunities are incorporated into the Save Our Indian River Lagoon Project Plan through an annual update. The proposed draft update incorporates new information, projects and modifications. Draft changes to the plan are presented, discussed, and may be modified by the Citizen Oversight Committee. The Committee recommends an annual update of the Save Our Indian River Lagoon Project Plan to the County Commission for adoption.

The Committee's recommendations are presented to the Board of County Commissioners for their inclusion, modification and inclusion, or non-inclusion in the Save Our Indian River Lagoon Project Plan. Per the enabling ordinance for the surtax, the Board shall not act on the Committee's recommendations any sooner than 15 days after posting the draft update on the County's Save Our Indian River Lagoon website.

During plan updates, projects that deliver comparable nutrient removal benefits may be added to the Save Our Indian River Lagoon Project Plan or substituted for funding allocated to other projects in the same sub-lagoon. Unless otherwise agreed to by the County Commission, if a substituted project costs more than the project previously included in the Plan, the requesting partner must provide the balance of costs. During the November 2021 meeting, the Citizen Oversight Committee recommended funding for thirty (30) project requests submitted by the community and, for three (3) existing projects facing feasibility issues, recommended removing funding for two (2) of them and reducing funding for one (1) to \$800,000 which is enough to cover design costs.

The total revenue expectation from the ten-year surtax is increased from \$489 to \$542 million, based on economic growth. The total cost of projects, performance measures and reserves included in the proposed 2022 draft is \$542,223,794, with reserves based on 2.5% inflation for Plan Years 0-3, 6.8% for Year 4 and 5.9% for Years 5-10.