

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

October 18, 2019 – 8:30 to 11:30 am
Brevard County Government Center
2725 Judge Fran Jamieson Way
Building C, 3rd Floor, Florida Room
Viera Florida 32940

- I. Call to Order
- II. Roll Call
- III. Approval of the Agenda
- IV. Approval of Minutes
- V. Monthly Progress and Fiscal Reports
 - a. October 2019 Progress Report – Virginia Barker
 - b. Revenue Graph – Crystal Melton
- VI. Other Reports and Special Presentations
 - a. August 2019 Half Cent Sales Tax – Save Our Indian River Lagoon Project Status Report Presented to the Brevard County Audit Committee by the County's Contracted Auditor, R.S.M. U.S. L.L.P. – Jill Reyes C.I.A., C.F.E., Director
 - b. Harvesting Nutrients from Stormwater Ponds – Jennifer Thompson, Environmental Specialist, Brevard County Stormwater Utility
 - c. Grand Canal Sediment Testing Update – Jim Langenbach, P.E., B.C.E.E., Senior Principal, Geosyntec Consultants
- VII. Old Business
- VIII. New Business
- IX. General Public Comments
- X. Final Comments by Chair and Committee Members
- XI. Adjournment

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

September 20, 2019 – 8:30 a.m. – 11:30 a.m.
2725 Judge Fran Jamieson Way,
Bldg. C, 3rd Floor, Florida Room
Viera, FL 32940

Members Present:

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

Staff Present:

Virginia Barker, Brevard County Natural Resources Management Director
Walker Dawson, Engineer III, Muck Dredging
Courtney Maier, Engineer I, Stormwater
Anthony Gubler, Environmental Specialist
Brandon Smith, Environmental Specialist
Matt Badolato, Associate Environmental Specialist
Crystal Melton, Fiscal Analyst

I. Call to Order

II. Roll Call

A quorum was established.

III. Approval of the Agenda

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

IV. Approval of Minutes

John Windsor moved to approve the September 20, 2019 minutes as written; Seconded by Melissa Martin. Motion was unanimously approved.

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

a. September 2019 Progress Report

The Monthly Progress Report was given by Virginia Barker.

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

b. **Revenue Graph – Crystal Melton**

Crystal Melton gave an update on the Revenue Graph.

VI. Other Reports and Special Presentations

a. **Muck Research Updates – Dr. Austin Fox, Assistant Professor, Florida Institute of Technology**

Dr. Austin Fox gave a power point presentation entitled P-and-Ammonium + Oxygen in the Indian River Lagoon. Information included: 1) Public support for lagoon restoration following the 2016 fish kill which lead to muck dredging projects; 2) Muck Dredging – Defining Success; 3) Dissolved Oxygen overlying “IRL Muck”; 4) Healthy sediments; 5) Fine Grained, Organic-Rich Sediment “IRL Muck”; 6) Environmental Dredging; 7) Muck Dredging effectiveness; and, 8) Subaqueous Sand Capping in the IRL.

Discussion ensued. The Committee’s questions were answered by Dr. Fox and Virginia Barker.

b. **Save Our Indian River Lagoon Community Survey – Holly Abeels, University of Florida, Institute of Food and Agricultural Sciences, Sea Grant Extension Agent**

Holly Abeels gave a power point presentation on the 2019 Save Our Indian River Lagoon Communication Survey which included questions regarding: 1) knowledge and interest in the Lagoon; 2) where persons find information about the Save Our Indian River Lagoon Project Plan; 3) What topics related to personally helping the Lagoon would persons be most interested in receiving information about; and, 4) how persons would like to receive information. A comment section was also included in the survey.

Discussion ensued. The Committee’s questions were answered by Ms. Abeels.

c. **Aquatic Weed Harvesting from Stormwater Ponds – Jennifer Thompson**

It was noted that this item would be heard at the October 18, 2019 Save Our Indian River Lagoon Citizens Oversight Committee Meeting.

d. **A Message of Hope from Indian River Lagoon Water Quality Data – Matt Badolato**

Matt Badolato gave a power point presentation on the Saint Johns River Water Management District’s Water Quality Monitoring Network which included information on Total Suspended Solids in the following areas: 1) Turkey Creek Muck Removal site, before and after dredging; 2) Eau Gallie River Muck Removal Project; 3) Indian River Lagoon North of Titusville Causeway; 4) Cocoa Beach Muck Removal Project; and, 5) Sykes Creek.

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

- e. **State Roads 528 and 520 Causeway versus Bridge Span Update – On September 12, 2019, the Governing Board of Space Coast Transportation Planning Organization voted for a 6-month project hold for additional modeling to be completed by the St. Johns River Water Management District**

This item was heard under Item V.a., September 2019 Progress Report.

VII. Old Business

None

VIII. New Business

None

IX. General Public Comment

Public Comments were heard.

X. Final Comments by Chair and Committee Members

Final Comments were heard.

XI. Adjournment



Save Our Indian River Lagoon Project Plan October 2019 Progress Report

WORK COMPLETED THIS MONTH:

- Project Application form for the 2020 Plan Update is live on the website
- “Tell Us What You Think” survey on public interest in reporting progress is at <http://bit.ly/soirl2019>
- Micco Sewer Service Extension – state permit issued
- Sykes Creek Zones N Septic-to-Sewer – state permit approved; received Right of Way permit questions
- Grand Canal Muck Dredging – Pre-construction survey of select canals complete; additional sediment sampling complete; dewatering area approximately 70% complete, awaiting state permit response to Request for Additional Information on material handling area modifications, continuing to collect dredge waivers from homeowners, seeking a permission to add the Berkeley Canal to the permit
- Titusville Railroad Bridge East and West –Bathymetric and muck surveys field work complete
- NASA Causeway East–Bathymetric and muck surveys field work complete
- Merritt Island Muck Dredging – state permit issued, federal is expected this month
- Kilroys –4th monitoring station installed (at southern entrance to Grand Canal system)
- University of Central Florida researchers conducted monitoring at 3 oyster sites and checked for hurricane damage at all oyster and planted sites; coordinating Bomalaski repairs with Zoo staff.
- Derelict Vessels – 4 additional derelict vessels removed

WORK UNDERWAY THIS MONTH:

- Two candidates have been recommended to Human Resources for filling the vacant staff positions
- Applications to fill the soon to be vacant Oversight Committee Real Estate seat are due October 11
- Revisiting fertilizer retail facilities to check compliance with signage ordinance
- Palm Bay North Area Water Reclamation Facility Upgrade Amendment at City for signatures
- Melbourne - Grant Street Water Reclamation Facility – contract circulating for signatures
- Beaches Leaking Sewer Laterals – grant reimbursement letter offers mailed to 180 property owners
- Briarwood Mobile Home Park – Board approval of grant to convert 19 septic to sewer service
- Cone Road Septic-to-Sewer – Merritt Island Redevelopment Agency Open House October 30
- South Central C Septic-to-Sewer – awaiting 90% design
- Sykes Creek Zone M and T- reviewing 30% design
- Titusville Septic to Sewer - contract in review by County Attorney
- Melbourne – Pennwood Drive Septic to Sewer contract extension at City for signature
- Johns Road and Flounder Creek - permitting underway; bid documents being prepared
- Basin 1409 and 1349 – permitting and easement acquisition underway
- Titusville - South Street Baffle Boxes, La Paloma, and St Teresa contract extension at City for signatures
- Indian Harbour Beach Big Muddy Baffle Box - contract circulating for signatures
- Cocoa Beach Muck Dredging - Phase III is ~94% complete, Phase IIb DMMA ~60% complete
- Sykes Creek Muck Dredging – Phase I bid being finalized by Purchasing
- Mathers Bridge Area Muck Removal – Survey data currently being evaluated
- Indian Harbour Beach Canal Dredging - contract circulating for signatures
- Permission received to advertise for bids to produce project videos for 3 years with 2 optional renewals
- Story Map – working on a new layer to show reclaimed water areas and their nutrient content



PRESENTATIONS THIS MONTH:

September 23 – Brevard Indian River Lagoon Coalition Straight Talk Cocoa Beach – Virginia and Brandon
September 27 - Florida Institute of Technology, TechCon2019 – Virginia, Matt Badolato, Jennifer Thompson
October 10 – A Day in the Life of the Indian River Lagoon – Brandon
October 8 – Florida Department of Environmental Protection Workshop on Septic to Sewer Funding – Anthony, Matt and Eddy Fontanin

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

11/9, 10am-2pm, Indian River Lagoon Day, Front Street Park, Melbourne
11/15, ShORE Symposium <https://www.daytonastate.edu/shore/>
12/6, 4th Annual BMW Margaritas for Mangroves Holiday Benefit for the Lagoon
<https://www.facebook.com/events/2190738814303246/>

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

Keep Brevard Beautiful- 1,000 Mini Tree Giveaway, 10/26
Lagoon Friendly Lawns – contact Kaylyn Palmer of Keep Brevard Beautiful at 321-631-0501
Fish Kill Response Cleanup: contact Desiree Lesko of Keep Brevard Beautiful at 321-631-0501
Marine Resources Council – Brown Bag Lunch: North Atlantic Right Whale Update, 11/3
Lagoon Watch, Mangrove, or Lagoon Literacy - <https://savetheirl.org/volunteer/>

WEBSITE AND SOCIAL MEDIA LINKS:

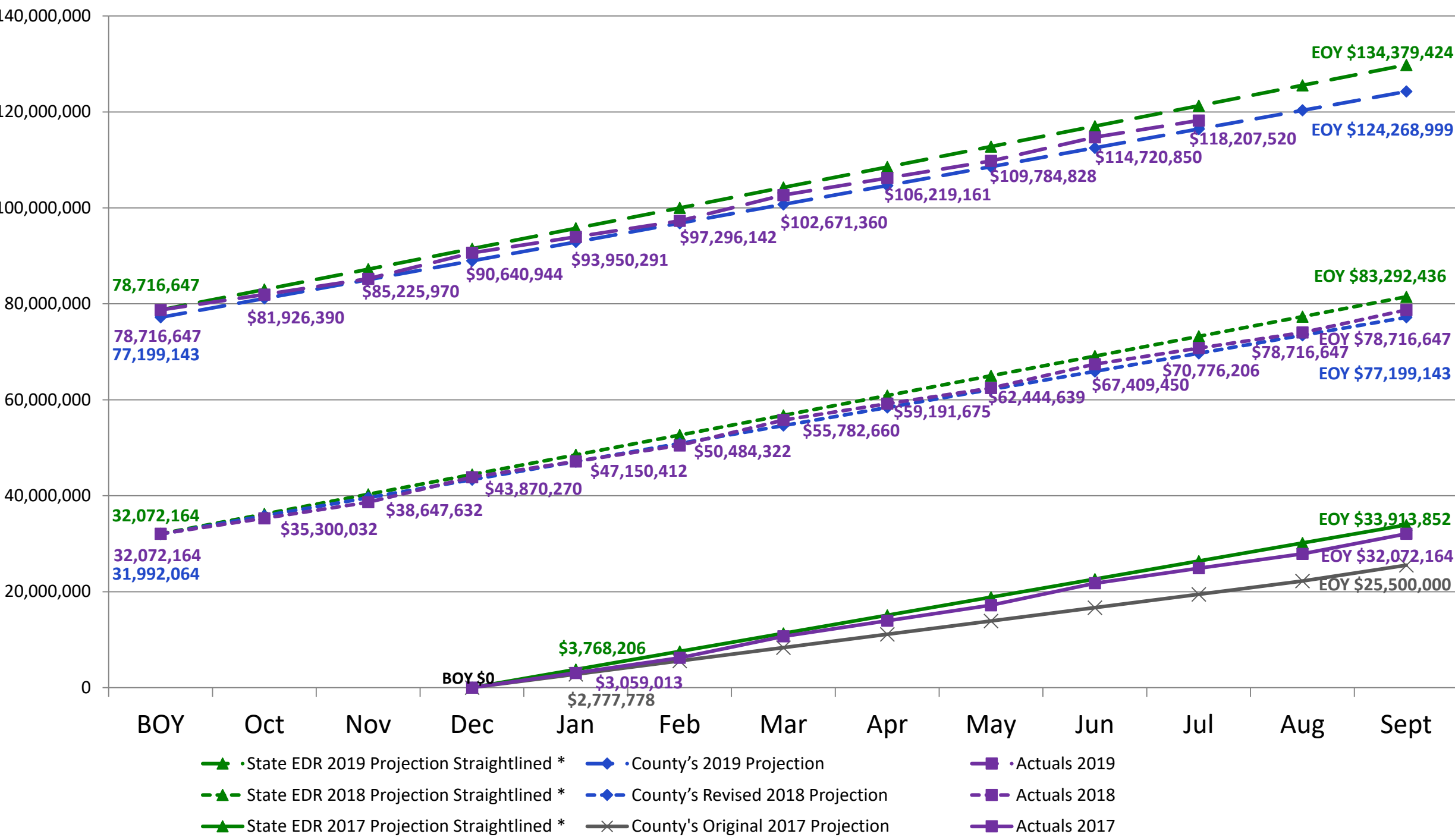
Outreach and Engagement Landing Page: <https://lagoonloyal.com/>
Website: <http://www.brevardfl.gov/SaveOurLagoon>
Facebook: <https://www.facebook.com/BrevardCountySaveOurLagoon>;
Instagram: <https://www.instagram.com/saveourlagoon/>
YouTube: <https://goo.gl/GBh6xU>

FUTURE TOPICS FOR SPECIAL PRESENTATIONS:

1. Leaking lateral results
2. A Day in the Life of the Indian River Lagoon – Missy Weiss
3. Tourism + Lagoon grant projects – Using Super Clams for Restocking Efforts
4. Ongoing Research on Charismatic Critters of the Lagoon – Hubbs SeaWorld Research Institute
5. New Enhanced Lagoon Circulation Research – Florida Tech Research Initiative
6. Enhanced Lagoon Circulation Environmental Response Model – St Johns River Water Management District
7. Indian River Lagoon Research News: TechCon, ShORE, and Harbor Branch Symposium Highlights
8. Completed and Ongoing Muck Research – Florida Tech Research Initiative & Dr. Drew Palmer
9. Coordinating Spoil Management with Florida Inland Navigation District
10. Water Technology Conference/Industry Day – Economic Development and National Estuary Program
11. Re-use/Reclaimed Water – Nutrient Loading Impacts and Opportunities
12. Surface Water Remediation – AquaFiber, D.T.G., Aqualutions, Chemical Tech, Phosphorus Free
13. Pollution and Algal Bloom Mapping via Satellite Imagery Interpretation- Gybe
14. Oyster histories in Brevard County - University of Central Florida
15. Lagoon Fish and Fisheries Research – Dr. Grant Gilmore
16. Low Impact Development – Local examples
17. Project Monitoring Results
18. 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 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

Month	State EDR 2019 Projection Straightlined *	County's 2019 Projection	Actuals 2019	State EDR 2018 Projection Straightlined *	County's Revised 2018 Projection	Actuals 2018	State EDR 2017 Projection Straightlined *	County's Original 2017 Projection	Actuals 2017
BOY	\$83,292,436	\$77,199,143	\$78,716,647	\$33,913,852	\$31,992,064	\$32,072,164	\$0	\$0	\$0
Oct	\$87,549,685	\$81,121,631	\$81,926,390	\$38,028,734	\$35,832,746	\$35,300,032	\$0	\$0	\$0
Nov	\$91,806,934	\$85,044,119	\$85,225,970	\$42,143,616	\$39,593,327	\$38,647,632	\$0	\$0	\$0
Dec	\$96,064,183	\$88,966,607	\$90,640,944	\$46,258,498	\$43,353,909	\$43,870,270	\$0	\$0	\$0
Jan	\$100,321,432	\$92,889,095	\$93,950,291	\$50,373,380	\$47,114,490	\$47,150,412	\$3,768,206	\$2,777,778	\$3,059,013
Feb	\$104,578,681	\$96,811,583	\$97,296,142	\$54,488,262	\$50,875,072	\$50,484,322	\$7,536,412	\$5,555,556	\$6,217,230
Mar	\$108,835,930	\$100,734,071	\$102,671,360	\$58,603,144	\$54,635,653	\$55,782,660	\$11,304,617	\$8,333,334	\$10,686,395
Apr	\$113,093,179	\$104,656,559	\$106,219,161	\$62,718,026	\$58,396,235	\$59,191,675	\$15,072,823	\$11,111,112	\$13,941,510
May	\$117,350,428	\$108,579,047	\$109,784,828	\$66,832,908	\$62,156,817	\$62,444,639	\$18,841,029	\$13,888,890	\$17,177,137
Jun	\$121,607,677	\$112,501,535	\$114,720,850	\$70,947,790	\$65,917,398	\$67,409,450	\$22,609,235	\$16,666,668	\$21,754,009
Jul	\$125,864,926	\$116,424,023	\$118,207,520	\$75,062,672	\$69,677,980	\$70,776,206	\$26,377,441	\$19,444,446	\$24,898,729
Aug	\$130,122,175	\$120,346,511		\$79,177,554	\$73,438,561	\$74,021,947	\$30,145,647	\$22,222,224	\$27,890,034
Sept	\$134,379,424	\$124,268,999		\$83,292,436	\$77,199,143	\$78,716,647	\$33,913,852	\$25,500,000	\$32,072,164