City of Cocoa

65 Stone Street
Cocoa, FL 32922

Meeting Agenda - Final

Tuesday, August 23, 2016

6:00 PM

Cocoa City Council Chambers

City Council

I. OPENING MATTERS:

CALL TO ORDER

INVOCATION

PLEDGE OF ALLEGIANCE

ROLL CALL

II. APPROVAL OF AGENDA AND MINUTES:

AGENDA:

II.1 16-344 Approve the Agenda for the Regular meeting of August 23, 2016, as presented or with amendments.

Attachments: 08-23-16.pdf

MINUTES:

II.2(a) 16-345 Approve the Minutes of the Fiscal Sustainability Workshop held on June 29, 2016, as written or with amendments.

Attachments: Fiscal Sustainability Workshop 06-29-16.pdf
Exhibit A.pdf
Exhibit B.pdf
Exhibit C.pdf

II.2(b) 16-346 Approve the Minutes of the Regular meeting of July 12, 2016 as written or with amendments.

Attachments: 07-12-16 Minutes.pdf
EXHIBIT A: BBQ & BLUES 2016_RECAP.pdf
EXHIBIT B: TRIM Presentation.pdf

II.2(c) 16-347 Approve the Minutes of the Regular meeting of July 26, 2016 as written or with amendments.

Attachments: 07-26-16 Minutes.pdf
EXHIBIT A: Cocoa Works Presentation.pdf

III. AWARDS AND PRESENTATIONS:

III.1 16-348 Update on the Sister City's Israel Ambassador Trip. (Sister City)

IV. DELEGATIONS:

In accordance with the City Council's rules and procedures, residents or tax-payers of the City (upon any subject of general or public interest), City employees (regarding his/her employment), and water and sewer customers (on matters related to the City's water and/or sewer system), may address the City Council under Delegations on items not on the printed agenda by filling out a speaker card.

Speaker cards are located outside the Council meeting room and should be provided to the City Clerk. Please observe the time limit of five (5) minutes while speaking under Delegations. Delegations shall be limited to thirty (30) minutes unless extended by Council.

V. CONSENT AGENDA:

V.1 16-337 Maintain the Current Rate Structure for the Reclaimed Water System. (Utilities Director)

V.2 16-352 Approve a one year policy for Workers' Compensation Specific Excess Insurance with Safety National Casualty Corporation for the period of October 1, 2016 through September 30, 2017, with an estimated premium of $126,127, pending approval of the FY2017 budget. (Administrative Services Director)

Attachments: Historical Policy Information
Excess Worker's Compensation Quote.pdf
Current Policy Endorsements.pdf

VI. PUBLIC HEARINGS:

VI.1 16-336 To approve a resolution to accept Burton & Associates FY 2017 Utility Rate Study, validating the implementation of a five percent (5%) increase to the water, fire lines, hydrant, wastewater and reclaimed water fixed monthly charges and usage rates effective October 1, 2016, with an annual increase, of five percent (5%) thereafter on October 1st of each fiscal year beginning October 1, 2017; and provide for the update of the Utilities Handbook and the City Code. (Finance Director)

Attachments: Resolution 2010-123 (Revising water rates)
Resolution 2011-051 (Fire Protection Services added in annual increase)
Resolution 2011-084 (Revising water, wastewater, fire line & hydrant, and reclai
Resolution 2015-061 (Revising Water, Sewer, and Reclaimed Water Charges &
Resolution 2016- Water & Wastewater.pdf
Resolution 2016-x Exhibit A Rate Worksheet
FY 2016 Cocoa - Water Sewer - FINAL Report - 160817 (2).pdf

VII. COUNCIL BUSINESS:

VII.1 16-338 Approve request for the following street closures: Walk to End Alzheimer's and the Christ Central Church Block Party/Fundraiser. (Community Services Director)

Attachments: WalkToEndAlzheimers_85x11Portrait
Multi_Year_Current_Road_Closures
FallFestivalChristCentralChurch_85x11Portrait

VIII. CITY BUSINESS:

VIII.1 16-116 To Approve a Resolution adjusting the FY2016 Budget to transfer funds from Contingency to Hydrant Fees for the unbudgeted fees of 125 hydrants within the City of Cocoa. (Finance Director)

Attachments: Hydrant Billing Analysis FY16.pdf
City of Cocoa Utilities Handbook - Adjustments
GIS Hydrant Map - Rockledge
GIS Hydrant Map - Cocoa Beach
GIS Hydrant Map - Cape Canaveral
GIS Hydrant Map - Cocoa
File 16-116 Resolution 2016-88.pdf
BAF-FN-Hydrant Fees (4-12-16) 16-116..pdf

VIII.2 16-326 To Approve the Preliminary Assessment Resolution for the Fire Protection Assessment for FY2017. (Finance Director)

Attachments: Burton & Associates Fire Assessment Update FY2017.pdf
Preliminary Fire Assessment Resolution- 8.11.16.pdf

VIII.3 16-349 Approve a request to vacate that portion of the Stone Street right-of-way located between US 1 and the F.E.C. railroad. (Community Services Director)

Attachments: 2016-__VacatinG a Portion of Stone Street.pdf
Exhibit A Stone St legal.pdf
Stone St right of way vacation application.pdf
Stone St Location Map.pdf
Cumberland Farms working site plan.pdf

VIII.4 16-350 To approve the Cost Allocation Study provided by Burton and Associates by which the cost of services provided by the General Fund to both the Water/Sewer Fund and the Stormwater Fund is calculated and charged annually. (Finance Director)

Attachments: Cocoa - FY2017 Cost Allocation Study Update - Final Report_8-17-16 (2).pdf

VIII.5 16-351 Approve entering into a co-operative purchase agreement with Goodson Paving (DBA WWG) utilizing Brevard County Bid # B-4-15-02 in the amount of $122,348.80 for the repair and reconstruction of sidewalks, curb, ADA curb ramps and sidewalks as it relates to the reconstruction of the Fiske Blvd project # PWPAVE; Approve the budget transfer and approve the budget resolution amending the 2016 budget. (Public Works Director)

Attachments:
CONCRETE BID TAB
WWG PROPOSAL 8-4-16
WWG CONCRETE RENEWAL
Budget Resolution FY 2016 August 23 2016
BAF-PW-3510-Fiske (8-23-16)- Agenda 16-351.pdf

VIII.6 16-354 Approve a Resolution amending the FY 2016 Budget, using General Fund Contingency to cover overages due to Firefighter Leave/Vacancies. (Fire Chief)

Attachments:
Budget Resolution FY 2016.pdf
BAF-FD-Cover PR Negative (8-23-16)- Agenda 16-354.pdf

VIII.7 16-358 To consider an Interlocal Agreement with Brevard County, Florida to determine the distribution of the revenues derived from the half cent discretionary infrastructure sales tax consistent with the Save Our Lagoon Plan. (Assistant City Manager)

Attachments:
Save Our Lagoon Project Plan Presentation.pdf
Save Our Lagoon Project Plan.pdf
SAVE OUR LAGOON REFERENDUM ELECTION 2016 ORDINANCE LANGUA
Interlocal Agreement.docx

MULTI-YEAR CONTRACTS:

VIII.8 16-335 1) Approve and authorize the City Manager to execute documents necessary to pursue St. Johns River Water Management District Cost-share Funding for two stormwater retrofit projects.
2)Approve a multi-year contract for the Factory Street stormwater retrofit and cost-shared project. (Public Works Director)

Attachments:
28740 City of Cocoa Church Street Agreement.pdf
28738 City of Cocoa Factory Agreement.pdf
City of Cocoa - Rankin.pdf
Public Works Stormwater Grants Internal Approval FormsFY2016_2017.pdf

IX. INFORMATIONAL AGENDA:

IX.1 16-331 Cocoa Police Department District Event statistics for Council Information. (Chief of Police)

Attachments: June 2016 Council Report by District .pdf

IX.2 16-333 Council request to review the cumulative purchase approvals over $25,000 and under $50,000 for period 10/01/2015 to 07/31/2016. (Finance Director)

Attachments: PO Monthly Report to City Council 10.01.15 thru 07.31.16.pdf

IX.3 16-340 In accordance with the Financial Operations Manual (FOM) the City Manager shall submit to City Council in the form of an agenda item any approved change orders to construction contracts that the City Council has authorized the City Manager, by resolution, to approve in excess of the City Manager's spending authority. (Finance Director)

Attachments: Authorized Contingency July 31, 2016.pdf

IX.4 16-341 In accordance with City Code, Section 2-74, at the beginning of each month during the fiscal year, the City Manager shall submit to City Council data showing the relation between the estimated and actual income and expenses to date. (Finance Director)

Attachments: Budget by Classification Report July 2016.pdf

IX.5 16-342 FY 2016 Budget Adjustment Report. (Finance Director)

Attachments: July 2016 EXPENSE Budget Tracking Worksheet.pdf

July 2016 REVENUE Budget Tracking Worksheet.pdf

IX.6 16-353 New local business tax receipts for July 16, 2016- August 10, 2016. (Community Services Director)

Attachments: 8-23-16 New local business tax receipts.pdf

X. REPORTS:

XI. ADJOURNMENT

NOTICE TO THE PUBLIC:

Pursuant to Section 286.0105, Florida Statutes, the City hereby advises the public that: if a person decides to appeal any decision made by the City Council with respect to any matter considered at its meeting or hearing, that person will need a record of the proceedings and for such purpose, affected persons may need to assure that a verbatim record of the proceedings is made, and such record shall include the testimony and evidence upon which the appeal is to be based. This notice does not constitute consent by the City for the introduction or admission into evidence of otherwise inadmissible or irrelevant evidence, nor does it authorize challenges or appeals otherwise not allowed by law.

City Code Section 2-54 requires that an affirmative vote of a majority of a quorum present shall be necessary to enact an ordinance or adopt any resolution; except that two-thirds of the membership of the Council is required to enact an emergency ordinance. All ordinances require two readings, entitled first reading and second reading and public hearing, prior to adoption.

Members of the public speaking on public hearing items, though entitled to be heard by the City Council, are not entitled to an immediate response by either administrative staff members or Council once the public hearing is closed; however, Council discussion may or may not include a response. No question by the public should be addressed directly by the Administrative staff.

Public debate by individual speakers from the audience on public hearing items shall be limited to three (3) minutes. Representatives of recognized groups shall be limited to ten (10) minutes; and total debate on a single issue shall be limited to thirty (30) minutes. Only one presentation per person per issue shall be allowed.

A Council member may add an item to the agenda during the meeting only at the time the agenda is approved. If the item requires action by the Council, then it may be added to the agenda by an affirmative vote of the Council, and written documentation must be submitted at the time the item is added to the agenda.

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Legislation Details (With Text)

File #:	16-344	**Version:**	1	**Name:**	
Type:	Agenda			**Status:**	Agenda Ready
File created:	8/9/2016			**In control:**	City Council
On agenda:	8/23/2016			**Final action:**	
Title:	Approve the Agenda for the Regular meeting of August 23, 2016, as presented or with amendments.				
Sponsors:					
Indexes:					
Code sections:					
Attachments:	08-23-16.pdf				

Date	Ver.	Action By	Action	Result

CITY COUNCIL AGENDA ITEM

Memo Date: August 9, 2016
Agenda Date: August 23, 2016
Prepared By: Carie Shealy, City Clerk
Through:
Requested Action:
Approve the Agenda for the Regular meeting of August 23, 2016, as presented or with amendments.

BACKGROUND:

The City Council approves the agenda for all of its regular meetings at the beginning of such meetings.

STRATEGIC PLAN CONNECTION:

NA

BUDGETARY IMPACT:

NA

PREVIOUS ACTION:

The City Council has approved its agenda for all regular meetings at the beginning of such meetings.

RECOMMENDED MOTION:

Approve the agenda for the Regular meeting of August 23, 2016, as presented or with amendments.

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AGENDA

CITY OF COCOA
REGULAR MEETING OF THE CITY COUNCIL

DATE: August 23, 2016	**LOCATION:** City Council Chambers
TIME: 6:00 p.m.	65 Stone Street, Cocoa

I. OPENING MATTERS:

Call to Order
Invocation
Pledge of Allegiance
Roll Call

II. APPROVAL OF AGENDA AND MINUTES:

1. Agenda: Regular Meeting of August 23, 2016 (16-344)
   Minutes: (a)Fiscal Sustainability Workshop of June 29, 2016 (16-345)
   (b)Regular Meeting of July 12, 2016 (16-346)
   (c)Regular Meeting of July 26, 2016 (16-347)

III. AWARDS AND PRESENTATIONS:

1. Update on the Sister City's Israel Ambassador Trip. (16-348). (Sister City)

IV. DELEGATIONS:

In accordance with the City Council's rules and procedures, residents or tax-payers of the City (upon any subject of general or public interest), City employees (regarding his/her employment), water and sewer customers (on matters related to the City's water and/or sewer system), and any person on any item on the agenda (except *Emergency items, Ministerial items, Quasi-judicial items, and Public Hearing items),* may address the City Council under Delegations by filling out a speaker card.

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V. CONSENT AGENDA:

1. Maintain the Current Rate Structure for the Reclaimed Water System. (16-337). (Utilities Director)

2. Approve a one year policy for Workers' Compensation Specific Excess Insurance with Safety National Casualty Corporation for the period of October 1, 2016 through September 30, 2017, with an estimated premium of $126,127, pending approval of the FY2017 budget. (16-352). (Administrative Services Director)

VI. PUBLIC HEARINGS:

1. Approve a resolution to accept Burton & Associates FY 2017 Utility Rate Study, validating the implementation of a five percent (5%) increase to the water, fire lines, hydrant, wastewater and reclaimed water fixed monthly charges and usage rates effective October 1, 2016, with an annual increase, of five percent (5%) thereafter on October 1st of each fiscal year beginning October 1, 2017; and provide for the update of the Utilities Handbook and the City Code. (16-336). (Finance Director)

VII. COUNCIL BUSINESS:

1. Approve the request for the following street closures: Walk to End Alzheimer's and the Christ Central Church Block Party/Fundraiser. (16-338). (Community Services Director)

VIII. CITY BUSINESS:

1. Approve a Resolution adjusting the FY2016 Budget to transfer funds from Contingency to Hydrant Fees for the unbudgeted fees of 125 hydrants within the City of Cocoa. (16-116). (Finance Director)

2. Approve the Preliminary Assessment Resolution for the Fire Protection Assessment for FY2017. (16-326). (Finance Director)

3. Approve a request to vacate that portion of the Stone Street right-of-way located between US 1 and the F.E.C. railroad. (16-349). (Community Services Director)

4. Approve the Indirect Cost Allocation Study provided by Burton and Associates by which the cost of services is calculated and charged annually to both Enterprise Funds (Water/Sewer and Stormwater). (16-350). (Finance Director)

5. Approve entering into a co-operative purchase agreement with Goodson Paving (DBA WWG) utilizing Brevard County Bid # B-4-15-02 in the amount of

$122,348.80 for the repair and reconstruction of sidewalks, curb, ADA curb ramps and sidewalks as it relates to the reconstruction of the Fiske Blvd. project #PWPAVE; Approve the budget transfer and approve the budget resolution amending the 2016 budget. (16-351). (Public Works Director)

6. Approve a Resolution amending the FY2016 Budget, using General Fund Contingency to cover overages due to Firefighter Leave/Vacancies. (16-354). (Fire Chief)

7. To consider an Interlocal Agreement with Brevard County Florida to determine the distribution of the revenues derived from the half cent discretionary infrastructure sales tax consistent with the Save Our Lagoon Plan. (16-358). (Assistant City Manager)

MULTI-YEAR CONTRACTS:

8. (a) Approve and authorize the City Manager to execute the documents necessary to pursue St. Johns River Water Management District Cost-Share Funding for two stormwater retrofit projects; (b) Approve a Multi-Year contract for the Factory Street stormwater retrofit and cost-shared project. (16-335). (Public Works Director)

IX. INFORMATIONAL AGENDA:

1. Cocoa Police Department District Event Statistics. (16-331). (Chief of Police)

2. Cumulative Purchase Approvals over $25,000 and under $50,000 for the period 10/01/2015 to 07/31/2016. (16-333). (Finance Director)

3. Approved Change Orders to construction contracts that the City Council has authorized the City Manager, by resolution, to approve in excess of the City Manager's spending authority. (16-340). (Finance Director)

4. Relation between the Estimated and Actual income and expenses to date. (16-341). (Finance Director)

5. FY 2016 Budget Adjustment Report. (16-342). (Finance Director)

6. New Local Business Tax Receipts for July 16, 2016-August 10, 2016. (16-353). (Community Services Director)

X. REPORTS:

Advisory Boards and Committees
City Administration
City Attorney
City Manager
City Council

XI. ADJOURNMENT.

NOTICE TO THE PUBLIC:

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Type:	Minutes			**Status:**	Minutes
File created:	8/9/2016			**In control:**	City Council
On agenda:	8/23/2016			**Final action:**	
Title:	Approve the Minutes of the Fiscal Sustainability Workshop held on June 29, 2016, as written or with amendments.				
Sponsors:					
Indexes:					
Code sections:					
Attachments:	Fiscal Sustainability Workshop 06-29-16.pdf Exhibit A.pdf Exhibit B.pdf Exhibit C.pdf				

Date	Ver.	Action By	Action	Result

CITY COUNCIL AGENDA ITEM

Memo Date: August 9, 2016
Agenda Date: August 23, 2016
Prepared By: Carie Shealy, City Clerk
Through:
Requested Action:
Approve the Minutes of the Fiscal Sustainability Workshop held on June 29, 2016, as written or with amendments.

BACKGROUND:

NA

STRATEGIC PLAN CONNECTION:

NA

BUDGETARY IMPACT:

There is no budgetary impact.

PREVIOUS ACTION:

The City Council approves the minutes of all its meetings following transcription.

RECOMMENDED MOTION:
Approve the Minutes of the Fiscal Sustainability Workshop held on June 29, 2016, as written or with amendments..

MINUTES

CITY OF COCOA
FISCAL SUSTAINABILITY WORKSHOP

June 29, 2016

A Fiscal Sustainability Workshop was held on Wednesday, June 29, 2016, in City Council Chambers. Cocoa City Hall, 65 Stone Street, Cocoa, Florida as publicly noticed.

I. OPENING MATTERS:

Mayor Parrish called the workshop to order at 5:45 p.m.

The Assistant City Clerk took the roll.

Present:	Henry Parrish	Mayor
	Don Boisvert	Deputy Mayor
	Brenda Warner	Councilwoman
	Michael Blake	Councilman
	Anthony Garganese	City Attorney
	John Titkanich	City Manager
	Matt Fuhrer	Assistant City Manager
	Angela Ferguson	Assistant City Clerk
Absent:	Tyler Furbish	Councilman

Other Staff Members Present:

Tammy Gemmati, Administrative Services Director; Jack Walsh, Utilities Director; Ed Wegerif, Public Works Director; Steve Belden, Community Services Director; Gene Prince, Fire Chief; Michael Cantaloupe, Chief of Police; Teri Butler, Finance Director; Lora Howell, Deputy Finance Director; and Lea Taylor, Budget Analyst.

City Manager Titkanich advised the budget meeting is necessary to update and present opportunities, strategies, present projects, to review the budget to date, to look towards the FY 2017 improvements and infrastructure, and to look to Council for direction. He further mentioned that Burton and Associates would provide an interactive presentation.

II. WORKSHOP TOPICS:

1. Current Budget Update by City Manager

City Manager Titkanich introduced the FY 2017 Budget Priorities and Fiscal Sustainability Presentation[1].

He briefly highlighted where the City currently stands with the General Fund, Water/Sewer Fund, and the Stormwater Fund along with their respective revenues and expenses for the fiscal year 2016 as of May 31.

He further mentioned the trends of each of the three funds since 2010 and their funding sources.

City Manager Titkanich advised that July 11 is the bond validation hearing for the fire assessment and that he was unsure how long it would take for the judge to come back with a response but he felt confident. He stated that it would be the first fire assessment revenue bond in the State of Florida.

Mayor Parrish inquired as to how much was spent on capital projects over the last five years and in response, Mr. Walsh indicated about $18-19 million.

City Manager Titkanich reviewed the FY 2016 expenditures of the General Fund, the Water/Sewer Fund, and the Stormwater Fund. He noted that in the General Fund, as compared to the same time last year in FY 2015, 61% has been used versus 65% of the budget the previous fiscal year. Expenditures in the Stormwater Fund were also less than they were in the previous fiscal year.

2. Fiscal Sustainability Presentations, Burton and Associates

City Manager Titkanich introduced Eric Van Malssen with Burton and Associates.

Mr. Van Malssen advised a comprehensive water study was done in 2010 and at that time the City adopted the recommended 5% annual rate increase effective every October 1 and thereafter as approved by Council, and that FY 2015 presented a decrease in adjustment down to 3% annually.

He advised the basis of analysis is the current FY 2016 budget and estimates, the projected expenses for the FY 2017 preliminary budget, and the FY 2016-2021 Capital Improvements Program.

Additionally, he noted that with more efficient practices and conservation within the state, the trends are down overall.

The results of those changes as well as an increase in staffing may indicate that the city may have to go back to 5% rate increase.

[1] Exhibit A: Budget Priorities an Fiscal Sustainability Presentation

Mr. Van Malssen reviewed the ten year financial plan for the water system noting that the debt service coverage is strong, that the City has an overall sustainable financial plan, and that borrowing will be required for Capital Improvements.

He reiterated the recommendation to Council would be to go back to the 5% rate increase across the board for water, sewer, and reclaimed charges to be effective October 1, 2016. By doing this, it would raise Cocoa one spot up as being more costly than the year before but still be much lower than other cities in the county. Sewer rate increases would move Cocoa up two positions. He mentioned that combined, Cocoa is still in the middle of the survey and not an outlier as far as rates were concerned.

Mayor Parrish asked if all cities we service charge franchise fees. In response, City Manager Titkanich advised that Cape Canaveral charges a public service tax and that the City would look at their idea of imposing a 10% public service tax in 2018 with an offset reduction to the millage rate.

A short discussion was held regarding the various rates throughout the county.

Mayor Parrish asked if the city water and sewer rates were fair in comparison to other cities. City Manager Titkanich agreed that the prices were good in comparison.

Deputy Mayor Boisvert thought that if other cities increased their rates that it would drop us down some spots, which was a good thing.

City Manager Titkanich stated that we have held the position historically for the most part but that other cities are facing the same pressures.

Mayor Parrish mentioned that the Mayor of West Melbourne indicated he wished he had our water.

City Manager Titkanich reminded Council that the full time hires are proactive hires and as the staff increases the City will realize the savings as opposed to contracting the work out.

Mr. Van Malssen presented the respective backgrounds of the General Fund study[2] in detail and the Water and Sewer Utility Study.[3]

He reviewed the basis for the analysis of the General Fund study which included the current fiscal year budget and estimates, the FY 2017 preliminary budget, the Capital Improvements program and the operating reserves. Major changes since the prior analysis included the Port and Wal-Mart projects and the Fire Assessment.

[2] Exhibit B: General Fund Financial Sustainability Model Update
[3] Exhibit C: Water and Sewer Utility Revenue Sufficiency Update Presentation

Burton and Associates is advising no millage rate change, and a 3% increase in the annual fire assessment. He indicated that the Port and Wal-Mart projects will allow the City to grow and maintain fiscal sustainability. He would like to see revenues cover ongoing cost and that the model is designed to draw reserves down to target.

Mr. Burton advised that it would be good for the City to continue its plan for the Catalytic Capital Projects in order to increase growth and value within the City.

He further affirmed the recommendation to keep millage rate where it is, continue to plan for catalytic projects, utilize fund balance to fund projects, update the recommendations as needed in the future, pursue large growth projects like the Walmart project, and adopt the 3% annual rate adjustment for the fire assessment.

Additionally, it was suggested in FY 2018, to consider the utility tax. He mentioned most cities have this tax.

Councilman Blake asked if the City opts to enact a public service tax would it be only within the city limits. Mr. Van Malssen responded in the affirmative.

Additionally, Councilman Blake asked if rates were increased on the outskirts of the city, should something be done that was comparable inside the City. In response, Van Malssen said they should be proportionate.

Mr. Burton advised that it was important to understand that the tax on water usage goes into the General Fund.

Councilman Blake asked if the trend in Florida was to have a public service tax. Both Mr. Van Malssen and Mr. Burton affirmed that it was.

3. Priority Budget Items

City Manager Titkanich advised that they were asking for Council's direction to build and finalize the proposed FY 2017 budget and to apprise them of current revenues and expenses.

He advised that he met with department heads, needs of community were focused on, and noted that staff did a commendable job developing the budget.

City Manager Titkanich explained they were looking for consensus. He reiterated the recommendations, which were to stick with the current millage rate, increase the fire assessment rate to 3% to cover the addition of a fire inspector, and the implementation of public service tax with a maximum of 10 % for FY 2018.

A CONSENSUS WAS MADE BY COUNCIL TO STICK WITH THE CURRENT MILLAGE RATE AND TO INCREASE THE RATE FOR THE FIRE ASSESSMENT.

He further noted that three new full time employees are proposed which included an Executive Secretary for the City Manager, an additional Billing Clerk, and a Fire Inspector for FY 2017.

The FY 2017 budget also includes catalytic projects that will yield long term financial health which increases the tax base, creates jobs, and increases population.

City Manager Titkanich reviewed various projects regarding community improvements and infrastructure to consider in FY 2017:

- EOC Buildout
- Continuing roadway/sidewalk analysis
- Bus Shelters
- Dog Park
- Parking Lot at Provost Park
- City Parking Garage
- Industrial Land Acquisitions
- Traffic Signal Wraps
- Heart of Cocoa Meeting Room
- Fiske Corridor Improvement Program
- Dr. Joe Lee Smith Center.

He mentioned a lot of these projects are tied to the City's strategic plan.

Discussion was held in regards to several of the mentioned projects.

Councilman Blake spoke in support of a dog park, and Councilwoman Warner mentioned the simple design of the dog park in Rockledge.

Provost Park was discussed and City Manager Titkanich believed that the dirt lot for parking at Provost Park was an eyesore and dedicated parking may help to a degree, however, there are more than parking issues going on there. He further added that the county was completing a corridor study.

Councilman Blake mentioned he was concerned with the current flooding issues at the park and City Manager Titkanich advised that the parking lot improvements should help address flooding concerns to some degree.

City Manager Titkanich spoke about the downtown parking structure noting that the Governor had vetoed the request for two years in a row. He suggested the City explore a public/private partnership.

The Oaks Mobile Home Park acquisition was discussed.

City Manager Titkanich said that the City is competing against the north Brevard economic development zone regarding industrial land acquisition and that the City does not have the type of money to purchase like they do. He said that some landowners suggested we are not competitive enough.

Mayor Parrish believed if the City finds a site it would attract more to the area.

The Heart of Cocoa Meeting Room and Fiske Boulevard was discussed.

Councilman Blake announced that the residents around the Peachtree Street improvements did not expect what was delivered and the improvements were beyond their imagination. As the City moves north, he wanted to see the same ambience.

Mayor Parrish mentioned that the completion of the Peachtree Street project put pressure on the City to complete Fiske Boulevard as well.

Councilman Blake felt that progression and improvement was coming with the Mayor's second term.

City Manager Titkanich spoke about the Diamond Square Redevelopment Area and about the Dr. Joe Lee Smith Center. He noted that surveying had been completed, a loan guarantee application had been submitted, and meetings with business partners are ongoing.

Councilman Blake asked about the pool at center. In response, City Manager Titkanich advised that the current pool will remain.

Mayor Parrish asked if PAL would be located there and City Manager Titkanich confirmed they would.

Discussion was held on Stone Street.

City Manager Titkanich reiterated that the project is about $600k and that the City would not want to do it piecemeal, as it would end up costing more in the long run.

Councilman Blake was in favor for doing it in one year.

City Manager Titkanich pointed out that plans are happening now.
Councilwoman Warner believed the City should stick to the Stone Street Plan.

City Manager Titkanich provided the timeline for budget and informed Council that the budget books will be out July 8th. There will be a FY 2017 workshop

August 4th, and a public hearing on September 8th to vote on the proposed millage rate.

Councilwoman Warner questioned the time frame for lighting in Broadmoor Manor.

City Manager Titkanich said the only way to do this would be a review through a special assessment to replace existing historic lighting. If residents want this and Council agreed, they can then amend the budget and we can move forward.

Councilwoman Warner mentioned that there are ongoing developments in lighting and that LED lights were not as expensive as they used to be

Mayor Parrish pointed out that the City was not trying to do all of the Diamond Square improvements in one year, but within a couple of years. The City Manager noted that the biggest investment is the Dr. Joe Lee Smith Center.

Deputy Mayor Boisvert felt it would be nice when it was completed.

Staff thanked Burton and Associates for their work and attendance.

III. ADJOURNMENT:

*** MOTION by Deputy Mayor Boisvert; Seconded by Councilman Blake to adjourn the Fiscal Sustainability Workshop of June 29, 2016.**

AYES: Parrish, Blake, Warner, Boisvert

THE MOTION PASSED UNANIMOUSLY (4-0)

The Utilities Workshop Meeting adjourned at 7:36 p.m.

_____

Henry U. Parrish III, Mayor

ATTEST:

_____

Carie Shealy, City Clerk
(Transcribed by A. Ferguson, Assistant City Clerk)



FY 2017
Budget Priorities & Fiscal Sustainability Workshop

June 29, 2016

Exhibit A:Budget Priorites and Fiscal Sustainability Pres.

Agenda

- Review of FY2016 Budget to date
- Interactive Financial Analysis Management System (FAMS) Model – Burton & Associates
  - City Council Discussion and Direction
- FY2017 Community Improvements/Infrastructure Proposals
- FY2017 Budget Calendar

What is a budget?

- *Planning Tool*
  - Link between Strategic Plan and Resource Allocation
  - Roadmap to carry out City Council's policies and initiatives
  - Provides for long-term financial sustainability
- *Communication Tool*
  - Communicates to citizens what services they can expect and how their tax dollars are being spent
  - Defines how the City will allocate its resources to accomplish what it identifies as important (Strategic Plan)
- *Control Tool*
  - Ensures accountability, trust and transparency in managing the taxpayer's money
  - Offers a monitoring device to ensure the City is staying the course with the budget
- Management Tool
  - Establishes spending for upcoming Fiscal Year
  - Identifies "How much it costs?" to provide services

COCOA FLORIDA

What a budget is NOT?

- An *accounting exercise* to satisfy the needs of the Finance Department
- A *necessary evil* to comply with the requirements of Florida Statutes and City Charter
- A *waste of time* (and paper) since once it's adopted, no one pays attention to it



FY2016 Review

Actuals To Date as of 5/31/2016

FY 2016 BUDGET to ACTUAL SNAPSHOT
as of May 31, 2016

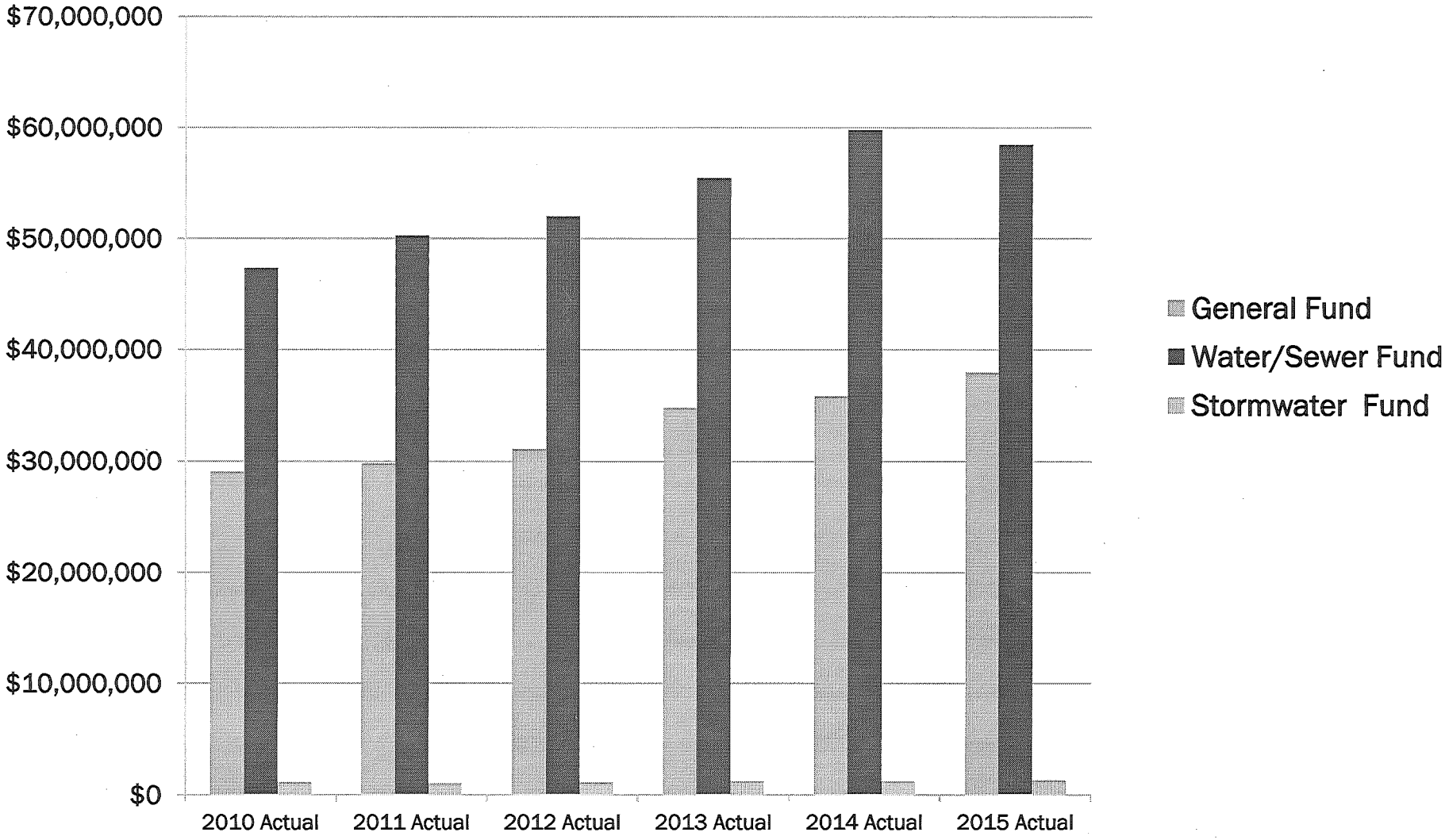
	FY16 Amended Budget	YTD Encumbrances	FY16 Actual Transactions	Remaining Balance	% of Budget
General Fund					
Revenues	$40,264,383		$22,033,091	$18,231,292	55%
Expenses	$40,264,383	$3,172,254	$21,403,572	$15,688,557	61%
Net			$629,519		
Water/Sewer Fund					
Revenues	$87,978,293		$37,032,170	$50,946,123	42%
Expenses	$87,978,293	$25,015,796	$29,541,306	$33,421,191	34%
Net			$7,490,864		
Stormwater Fund					
Revenues	$2,797,435		$939,899	$1,857,536	34%
Expenses	$2,797,435	$344,516	$801,991	$1,650,928	29%
Net			$137,908		

REVENUES

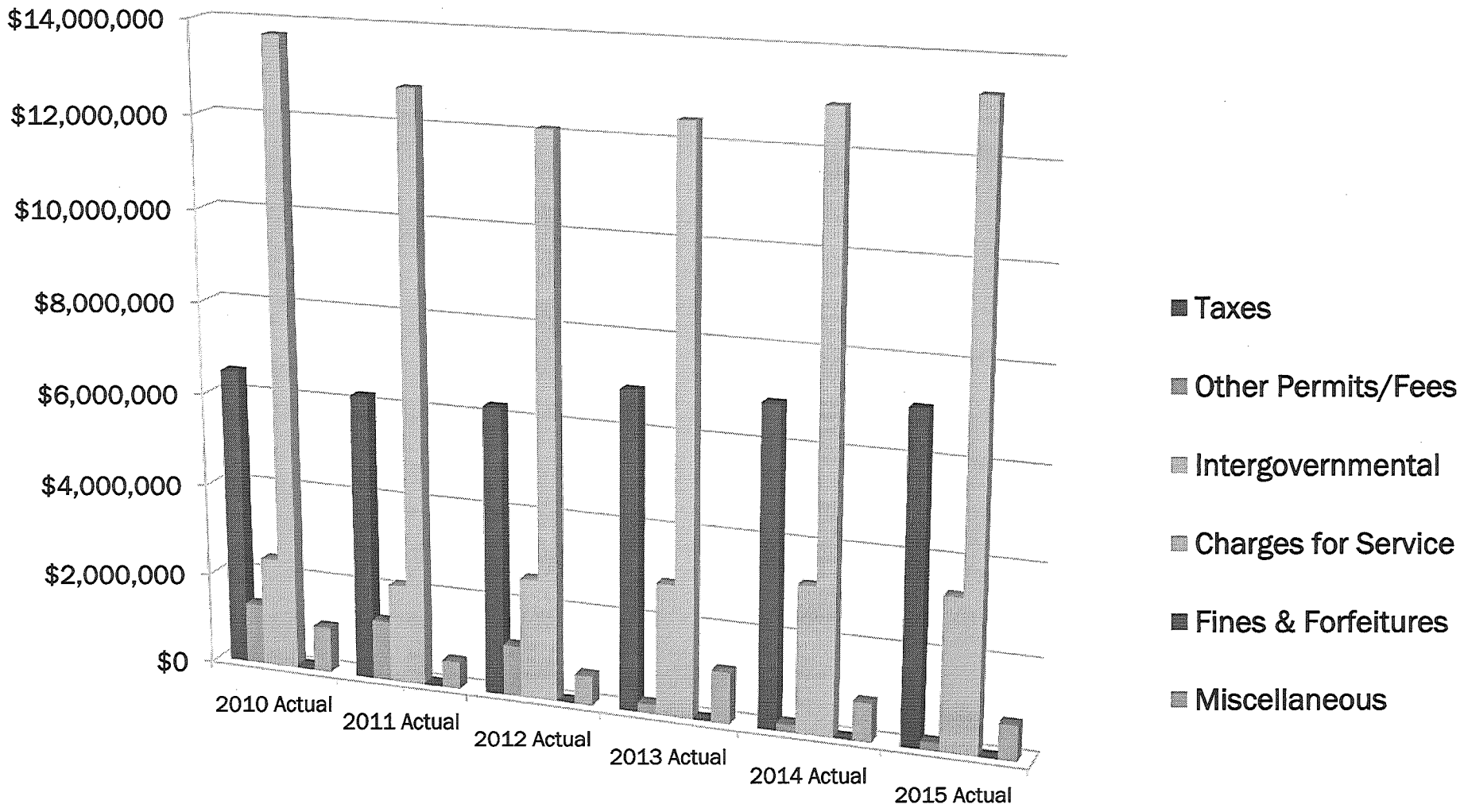
COCOA
FLORIDA



Revenue Trends



General Fund Revenue Trends



FY 2016 General Fund Revenues by Funding Source as of May 31, 2016

COCOA FLORIDA

Funding Source	FY 2016 Budget	Amount YTD	% of Budget Received
Taxes (Ad Valorem, Utilities, CST)	$6,821,651	$5,514,185	81%
Other Permits & Fees	$3,366,886	$2,465,255	73%
Intergovernmental	$3,788,514	$1,772,211	47%
Charges for Service	$11,012,280	$7,317,112	66%
Fines & Forfeitures	$24,495	$17,739	72%
Miscellaneous	$793,005	$487,893	62%
Other Non-Revenue	$14,457,552	$4,458,696	31%
TOTAL FY 2016	**$40,264,383**	**$22,033,091**	**55%**

FY 2016 Water/Sewer Fund Revenues by Funding Source as of May 31, 2016

COCOA FLORIDA

Funding Source	FY 2016 Budget	Amount YTD	% of Budget Received
Charges for Service	$55,252,361	$35,645,876	65%
Impact Fees	$1,475,632	$886,000	60%
Miscellaneous	$118,715	$208,575	176%
Other Non-Revenue	$31,131,585	$291,719	1%
TOTAL FY 2016	$87,978,293	$37,032,170	42%

FY 2016 Stormwater Fund Revenues by Funding Source as of May 31, 2016

COCOA FLORIDA

Funding Source	FY 2016 Budget	Amount YTD	% of Budget Received
Charges for Service	$1,317,995	$931,509	71%
Miscellaneous	$52,000	$8,390	16%
Other Non-Revenue	$1,427,440	--	--
TOTAL FY 2016	**$2,797,435**	**$939,899**	**34%**

EXPENSES

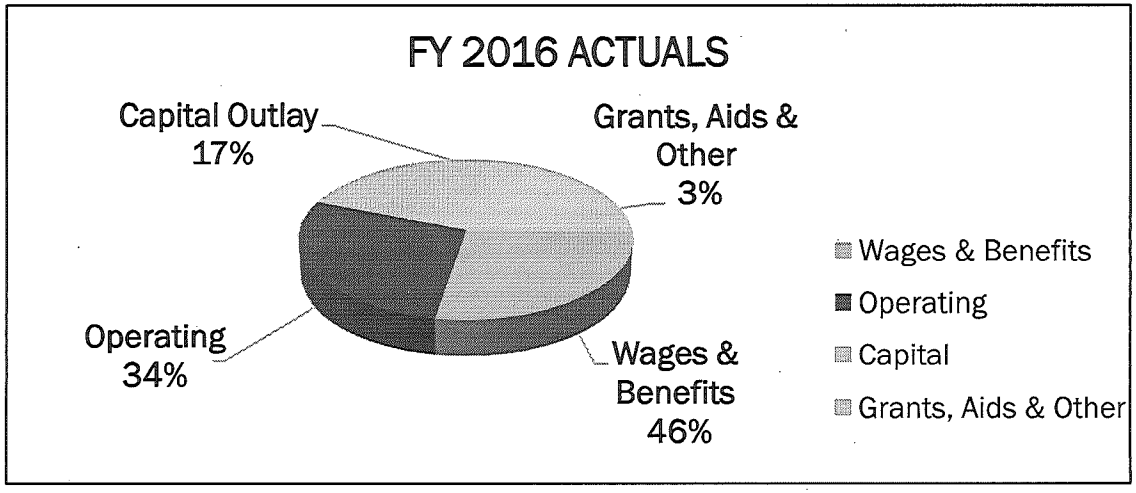
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FLORIDA



FY 2016 Actual Expenditures
General Fund
by Category as of May 31, 2016

COCOA FLORIDA

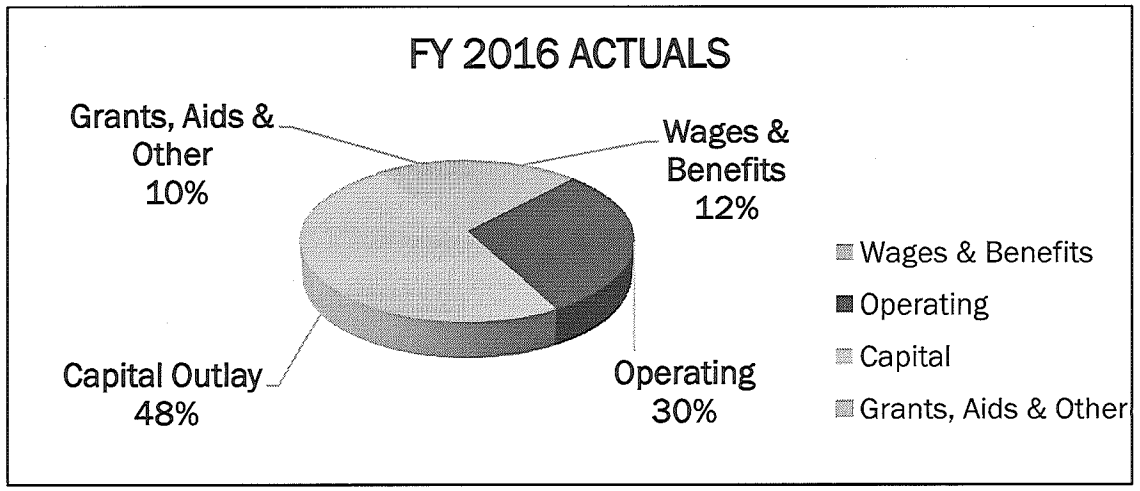
Category	FY 2016 Budget	FY 2016 Expenditures Including Encumbrances	FY 2016 Budget– YTD Transactions	FY 2016 % of Budget Used	FY 2015 % of Budget Used
Wages & Benefits	$20,914,169	$12,669,090	$8,245,079	61%	59%
Operating	$10,002,630	$9,394,350	$3,608,280	64%	66%
Capital Outlay	$6,198,775	$4,800,802	$1,397,972	77%	77%
Grants, Aids & Other	$3,148,809	$711,584	$2,437,225	23%	67%
TOTALS	**$40,264,383**	**$24,575,826**	**$15,688,556**	**61%**	**65%**



FY 2016 Actual Expenses
Water/Sewer Fund
by Category as of May 31, 2016

COCOA FLORIDA

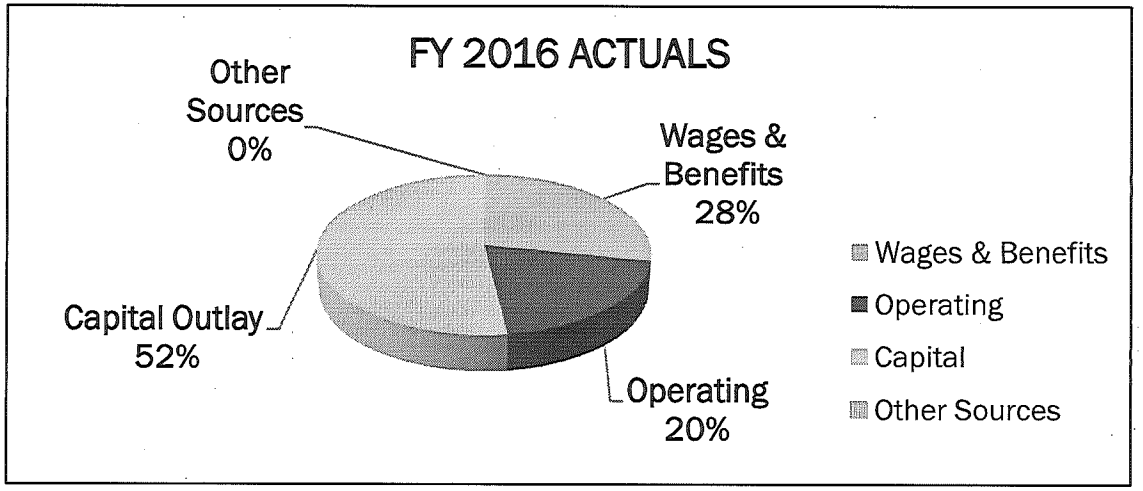
Category	FY 2016 Budget	FY 2016 Expenses Including Encumbrances	FY 2016 Budget – YTD Transactions	FY 2016 % of Budget Used	FY 2015 % of Budget Used
Wages & Benefits	$12,603,126	$6,782,660	$5,820,466	54%	56%
Operating	$20,929,988	$16,167,256	$4,762,732	77%	68%
Capital Outlay	$38,078,574	$26,375,887	$11,702,687	69%	53%
Grants, Aids & Other	$16,366,605	$5,231,299	$11,135,306	32%	59%
TOTALS	**$87,978,293**	**$54,557,102**	**$33,421,191**	**62%**	**58%**



FY 2016 Actual Expenses
Stormwater Fund
by Category as of May 31, 2016

COCOA FLORIDA

Category	FY 2016 Budget	FY 2016 Expenses Including Encumbrances	FY 2016 Budget – YTD Transactions	FY 2016 % of Budget Used	FY 2015 % of Budget Used
Wages & Benefits	$560,256	$319,523	$240,733	57%	62%
Operating	$471,179	$227,188	$243,991	48%	40%
Capital Outlay	$1,747,250	$599,796	$1,147,454	34%	34%
Other Sources	$18,750	–	$18,750	0%	n/a
TOTALS	$2,797,435	$1,146,507	$1,650,928	41%	44%





FAMS Model - Fiscal Sustainability

Burton & Associates

City Council Direction

COCOA FLORIDA

- **$32.5M± Revenues, $34.1M± Expenses (incl. Capital)**

- **Consensus to build/finalize the proposed FY 2017 Budget**

1. Millage Rate:
   - Current Millage Rate – 5.9790
   - Rolled-back Millage Rate
2. Fire Assessment Rate:
   - FY2017 Projected 5% Increase
   - 3% Increase Recommended
3. Public Service Tax (Revenue Diversification)
   - Tax on Purchase of Water Service (City Customers)
   - Maximum 10% (±$230K revenue)
   - **FY2018** Implementation
     - Corresponding ***.25 millage rate reduction*** (Projected based on $230K revenue est.)

FY 2017 Budget

- 3 new FTEs
  - Executive Secretary
  - Billing Clerk
  - Fire Inspector (Fire Assessment)

- Economic Development Catalytic Projects
  - Projects that will yield long-term financial health to GF
    - Tax base
    - Job creations
    - Population increase

FY 2017 Budget Considerations
Community Improvement/Infrastructure

- EOC Buildout (City Hall)
- Roadway/Sidewalk Analysis
  - Pavement Condition Priorities
  - Sidewalk Priority Issues
- Bus Shelters ($15K)
- Dog Park (Michigan donated land)
- Provost Park Parking Lot ($150K)
- Parking Garage
  - Design Build Consultant
  - P3 Partnership Solicitation
- Oaks Mobile Home Park
  - Site Preparation
  - Master Plan Site
- Industrial Land Acquisition
- Traffic Signal/Electrical Box Wraps ($50K)
- Heart of Cocoa Comm. Mtg. Room ($160K)
- Fiske Corridor Neighborhood Stabilization/Improvement Plan
  - Fiske Boulevard (Phase 2) – Design & Engineering (FY17 - $250K)
  - Broadmoor Acres Drainage Improvements (SUF - $225K)
  - Lighting ($60K)
  - Housing – Rehab/Redev Program
- Diamond Square Neighborhood
  - Dr. Joe Lee Smith Center
    - Design & Engineering (FY17 - $100K)
  - Stone Street (DS CRA Partnership)
    - $200K DS CRA, $400K City
  - Regional Stormwater Facility (SUF - $210K)
  - Housing
    - New SF
    - Rehab/Redev. Program

What's Next...

COCOA FLORIDA

- City Council FY 2017 Budget Workshop/Hearings
  - TRIM Hearing to set the maximum ad valorem millage rate July 12, 2016 @ 6:00pm
  - City Council provided the FY 2017 Budget/CIP Workbooks July 18, 2016
  - FY 2017 Budget/CIP Workshop August 4, 2016 @ 5:30 pm
- 1ST Public Hearing – Sept. 6, 2016 @ 6:00 pm
  - Vote for a Proposed Millage Rate
  - Vote on the Proposed FY2017 Budget
- 2nd Public Hearing – Sept. 14, 2016 @ 6:00 pm
  - Adopt a Proposed Millage Rate
  - Adopt the FY2017 Budget

QUESTIONS

COCOA
FLORIDA



Exhibit B: General Fund Financial Sustainability Model Update

General Fund

Financial Sustainability Model Update

Council Presentation

June 29, 2016

Presented by:

BURTON & ASSOCIATES

Background

- In FY 2015 Burton & Associates populated a Sustainability Model for Cocoa's General Fund
- The City utilized the modeling process to identify options for the fund's sustainability over a 10-year projection period
- The City contracted with Burton & Associates to update the model with current data to aid in the FY 2017 Budget Process

Basis for Analysis

- FY 2016 Budget and Estimates
- FY 2017 Preliminary Budget
  - Basis of projected expenses for future fiscal years through FY 2025
- Capital Improvements Program estimated by City Management
- Operating reserve equal to 4 Months of O&M Expenses
- Changes from Prior Analysis
  - Property Values continue to rise, projection adjusted
  - Port & Wal Mart Project timing and impacts adjusted
  - Fire Assessment
    - Prior Recommendation: 5% annual adjustments
    - Current Recommendation: 3% annual adjustments

General Fund Model Screenshot
Diagnostic/Baseline Scenario

Millage Rate unchanged over Projection period

THE CITY OF COCOA, FL - GENERAL FUND FINANCIAL ANALYSIS AND MANAGEMENT SYSTEM

SAVE CALC

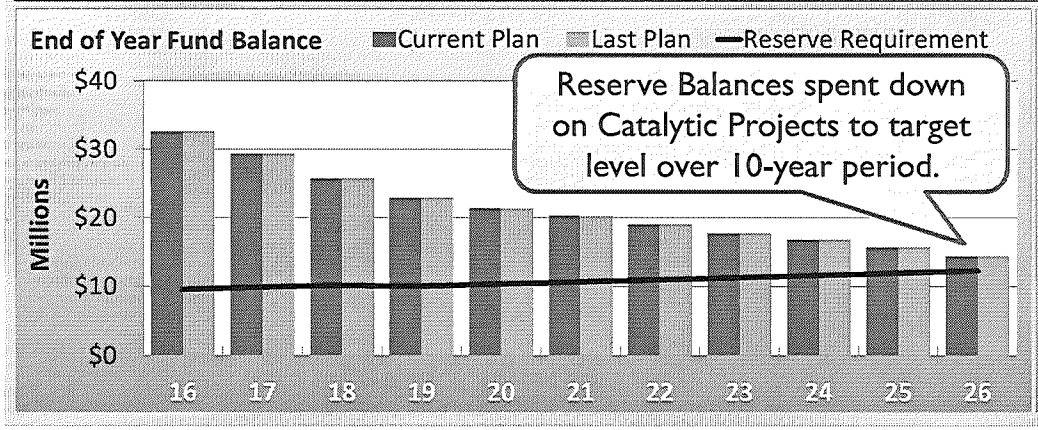
	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Millage Rate	5.9790	5.9790	5.9790	5.9790	5.9790	5.9790	5.9790	5.9790	5.9790	5.9790	5.9790
Existing Property Value Adjust.	N/A	N/A	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%
New Construction	N/A	N/A	1.0%	5.1%	1.8%	1.0%	2.4%	2.4%	6.0%	1.0%	1.0%
Total Property Value Adjustment	4.8%	4.5%	4.5%	8.6%	5.3%	4.5%	5.9%	5.9%	9.5%	4	
Cash Flow Surplus/(Deficit) $M	($2.5)	($3.3)	($3.6)	($2.9)	($1.5					($	
Reserve Target Surplus/(Deficit) $M	$23.2	$19.6	$15.8	$12.9	$11.					$	
End of Year Fund Balance $M	$32.6	$29.4	$25.8	$22.9	$21					$1	
FTE Additions	0	4	0		0	0	0	0	0	0	0
Total Capital Outlay $M	$6.2	$5.4	$4.5	$5.0	$3.5	$3.0	$3.0	$3.0	$3.0	$3.0	$3.0
Fire Assessment Revenue $M	$2.1	$2.2	$2.2	$2.3	$2.4	$2.4	$2.5	$2.6	$2.7	$2.7	$2.8
Residential Assessment (per DU)	$187.93	$193.57	$199.38	$205.36	$211.52	$217.87	$224.4				
Fire Asmt Rev - Last Plan $M	$2.1	$2.2	$2.2	$2.3	$2.4	$2.4	$2.5				
Residential Asmt - Last Plan	$187.93	$193.57	$199.38	$205.36	$211.52	$217.87	$224.4				

Port Proj?	Y
PST Year?	
Per FTE:	$80,000
Escalator	3.0%
Debt Svc?	$425,000

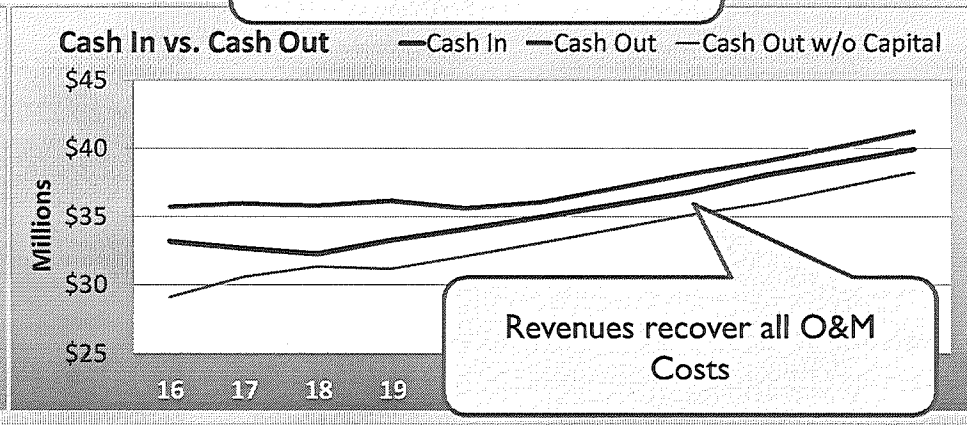
Projection includes Port & Wal Mart Properties phased in over the projection period

Capital Spending on Catalytic and Required projects

3% increases to Fire Assessment, annually



Reserve Balances spent down on Catalytic Projects to target level over 10-year period.



Revenues recover all O&M Costs

BURTON & ASSOCIATES

General Fund Model Screenshot
Alternative Scenario – Public Service Tax

THE CITY OF COCOA, FL - GENERAL FUND FINANCIAL ANALYSIS AND MANAGEMENT SYSTEM

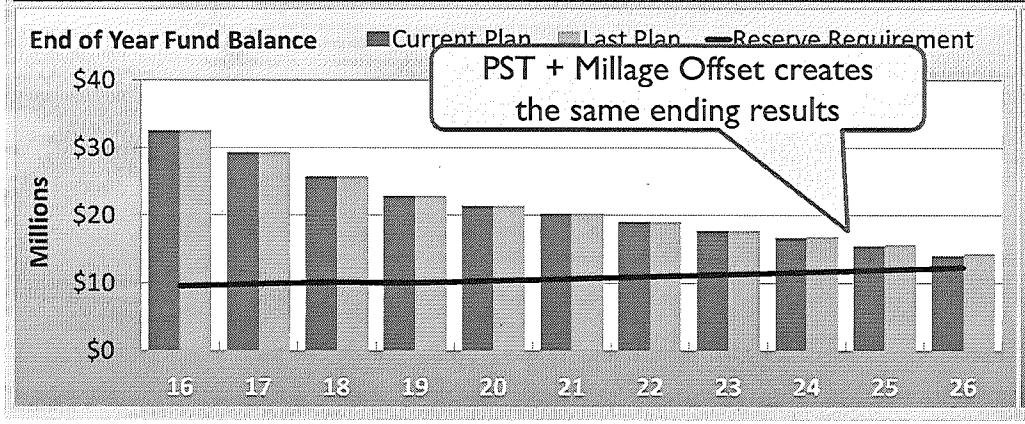
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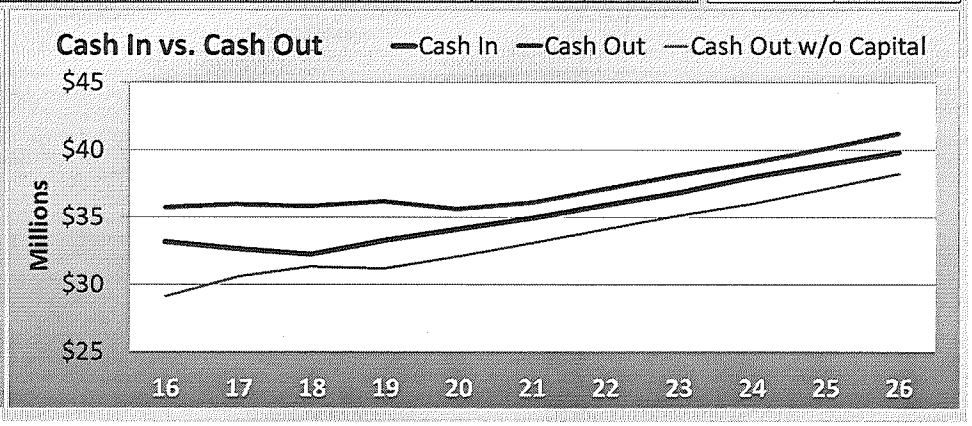
0.25 Mil Offset

$230,000 of Public Service Tax Revenue, starting FY 2018

	FY 2016	FY 2017	FY 2018								
Millage Rate	5.9790	5.9790	5.7290	5.7290	5.7290	5.7290	5.7290	5.7290	5.7290	5.7290	5.7290
Millage Rate Adjustment			-0.2500								
Existing Property Value Adjust.	N/A	N/A	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%
New Construction	N/A	N/A	1.0%	5.1%	1.8%	1.0%	2.4%	2.4%	6.0%	1.0%	1.0%
Total Property Value Adjustment	4.8%	4.5%	4.5%	8.6%	5.3%	4.5%	5.9%	5.9%	9.5%	4.5%	4.5%
Cash Flow Surplus/(Deficit) $M	($2.5)	($3.3)	($3.6)	($2.9)	($1.5)	($1.1)	($1.2)	($1.3)	($1.0)	($1.2)	($1.4)
Reserve Target Surplus/(Deficit) $M	$23.2	$19.6	$15.8	$12.9	$11.1	$9.7	$8.1	$6.5	$5.1	$3.6	$1.8
End of Year Fund Balance $M	$32.6	$29.4	$25.8	$22.9	$21.4	$20.3	$19.0	$17.7	$16.7	$15.5	$14.1
FTE Additions	0	4	0	0	0	0	0	0	0	0	0
Total Capital Outlay $M	$6.2	$5.4	$4.5	$5.0	$3.5	$3.0	$3.0	$3.0	$3.0	$3.0	$3.0
Fire Assessment Revenue $M	$2.1	$2.2	$2.2	$2.3	$2.4	$2.4	$2.5	$2.6	$2.7	$2.7	$2.8
Residential Assessment (per DU)	$187.93	$193.57	$199.38	$205.36	$211.52	$217.87	$224.41	$231.14	$238.07	$245.21	$252.57
Fire Asmt Rev - Last Plan $M	$2.1	$2.2	$2.2	$2.3	$2.4	$2.4	$2.5	$2.6	$2.7	$2.7	$2.8
Residential Asmt - Last Plan	$187.93	$193.57	$199.38	$205.36	$211.52	$217.87	$224.41	$231.14	$238.07	$245.21	$252.57

Port Pr	Y
PST Year?	FY 2018
Per FTE:	$80,000
Escalator	3.0%
Debt Svc?	$425,000





BURTON & ASSOCIATES

Recommendations

- Maintain Millage at current rate
- Continue to plan for Catalytic Capital Projects to enhance overall City values and growth
  - Utilize Fund Balance available to fund projects
  - Preserve Fund Balance at minimum reserve requirement
- Continue to peruse large growth projects such as the Port and Wal Mart
- Adopt a minimum of 3% annual adjustment to Fire Assessment rates
- Consider adoption of Water Utility Public Service Tax
  - Potential offsetting millage reduction

Discussion

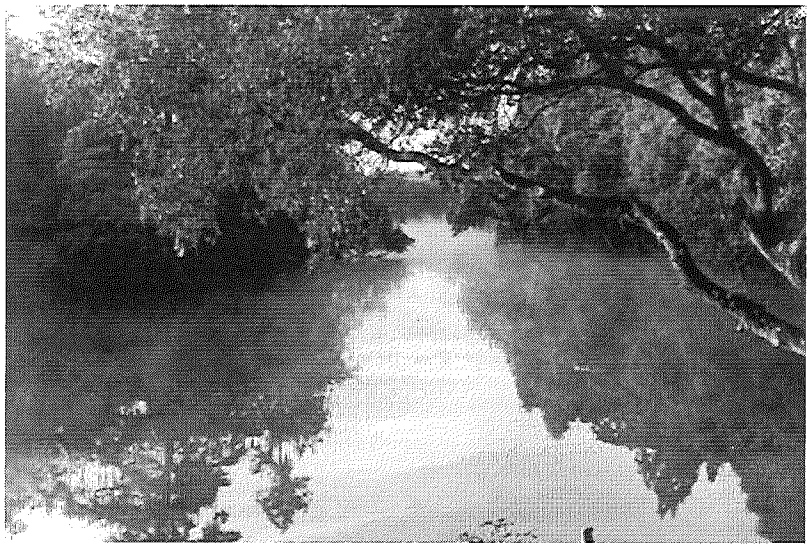


Exhibit C: Water and Sewer Utility
Revenue Sufficiency
Update Presentation

Water and Sewer Utility

Revenue Sufficiency Study Update

Council Presentation

June 29, 2016

Presented by:

BURTON & ASSOCIATES

Background and Scope

- Background
  - In FY 2010 Burton & Associates conducted a comprehensive Water, Sewer and Reclaimed Water Rate Study
  - The City adopted the recommended rate adjustments for FY 2011 with 5% annual rate increases effective each October 1 thereafter subject to prior approval by Council
  - The City contracted with Burton & Associates to verify and adjust as necessary the annual plan of rate adjustments for FY 2012 and beyond.
  - FY 2015 Study identified 3% annual increases, adopted by the City
- Scope
  - Update the ten (10) year financial plan originally developed in the above referenced study
  - Verify, or adjust, the annual plan of rate increases as required

Basis for Analysis

- FY 2016 Budget and Estimates
- FY 2017 Preliminary Budget
  - Basis of projected expenses for future fiscal years through FY 2025
- FY 2016 – FY 2021 Capital Improvements Program
- Operating reserve equal to 5 Months of O&M Expenses
- Minimum debt service coverage of 1.50x debt service
  - Both levels based upon industry practices & rating agency criteria
- Significant Changes
  - X new FTEs beginning in FY 2017
  - Continued trend of reduced flows per account

Results

- Increased staffing and reduced flows results in reverting back to the original plan of rate adjustments of 5%

Water Only (90%)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21
Rate Increase	N/A	5.0%	5.0%	5.0%	5.0%	5.0%
Res. Monthly Bill (5,000 Gal.)	$27.86	$29.24	$30.71	$32.26	$33.85	$35.53
$ Change	N/A	$1.38	$1.47	$1.55	$1.59	$1.68

Water & Sewer (10%)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21
Rate Increase	N/A	5.0%	5.0%	5.0%	5.0%	5.0%
Res. Monthly Bill (5,000 Gal.)	$72.36	$75.95	$79.76	$83.79	$87.94	$92.32
$ Change	N/A	$3.59	$3.81	$4.03	$4.15	$4.38

Ten Year Financial Plan Projections

SAVE

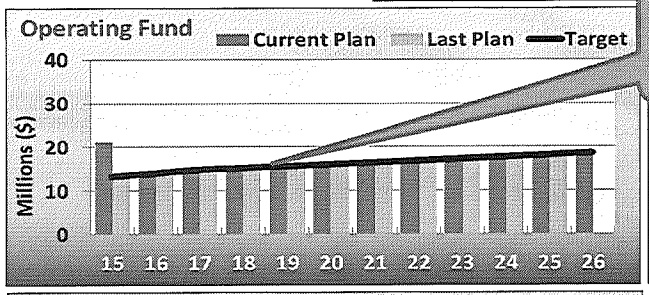
FINANCIAL ANALYSIS AND MANAGEMENT SYSTEM (FAMS) SUMMARY
City of Cocoa

5% Annual Rate Adjustments

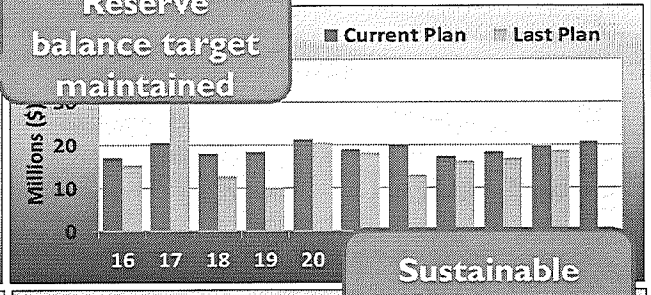
	016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Cumulative Change FY 2021	Cumulative Change FY 2026
Override ▶		5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%		
Water Rate Increases	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	27.53%	62.78%
Last Plan	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	0.00%	15.93%	32.52%
Override ▶		5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%			
Sewer Rate Increases	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	0.00%		
Last Plan	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	0.00%		
Override ▶		5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%			
[illegible] Increases	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	0.00%		
[illegible] Plan	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	0.00%		
Rate Covenant	2.90	2.41	2.52	2.22	2.34	2.18	2.31	2.28	2.81	3.06	3.08		
Last Plan	3.80	3.84	3.16	3.10	2.99	3.07	2.99	3.07	3.93	3.81	0.00		
Subordinate Debt Coverage	4.20	3.93	4.50	4.54	5.26	5.48	6.80	8.02	10.78	16.16	26.82		
Last Plan	6.56	6.86	6.52	6.72	6.90	7.32	8.05	9.23	11.55	15.62	0.00		
CIP $ Redistribution ▶	$0.00	-$22.00	$8.00	$7.00	$7.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		
CIP Execution % ▶	100%	100%	75%	75%	75%	75%	75%	75%	75%	75%	75%		
Operating Reserve Mo ▶	5	5	5	5	5	5	5	5	5	5	5		
Average Bill (5,000 gals.)	$72.36	$75.95	$79.76	$83.79	$87.94	$92.32	$96.93	$101.78	$106.87	$112.20	$114.36		
Last Plan	$72.36	$74.57	$[illegible]	[illegible]	[illegible]8	$83.94	$86.47	$89.03	$91.72	$93.94	$0.00	Check	-

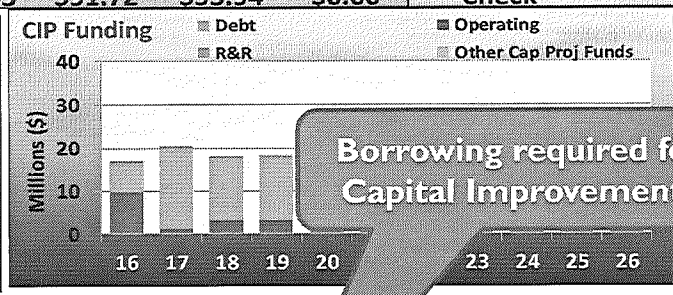
Debt Service Coverage is strong

	FY 2016
PS Exec %	100.0%
OMV Exec %	100.0%
OMF Exec %	85.0%
CO Exec %	100.0%
Usage Change	-0.5%

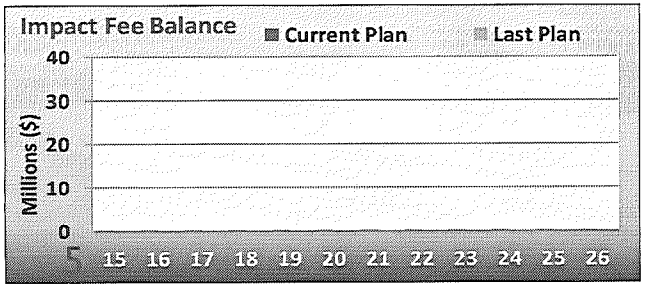


Reserve balance target maintained

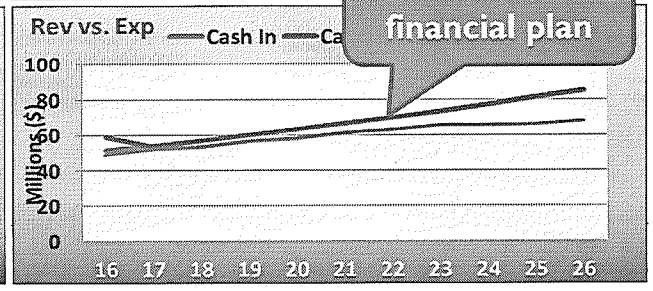


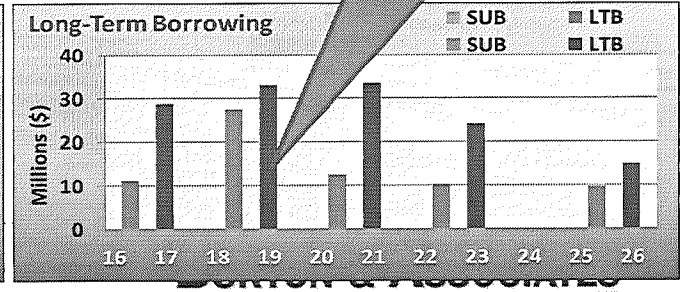


Borrowing required for Capital Improvements

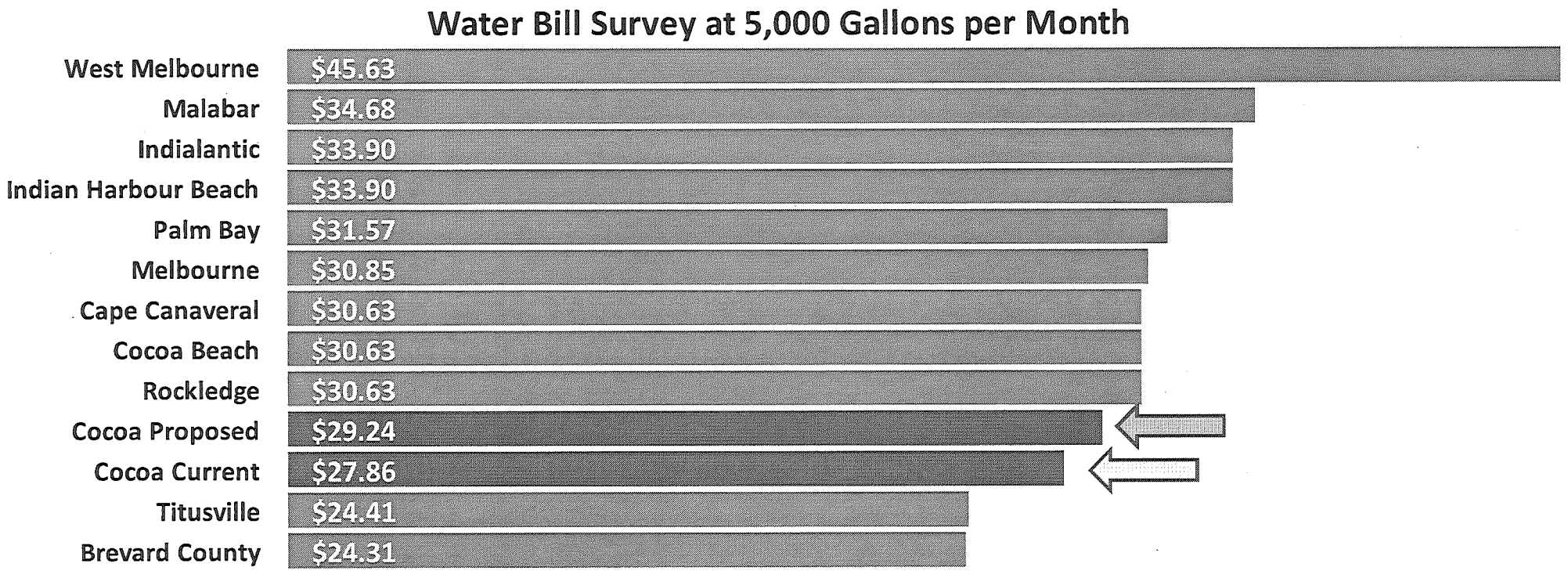


Sustainable financial plan





FY 2016 Residential Water Bill Survey



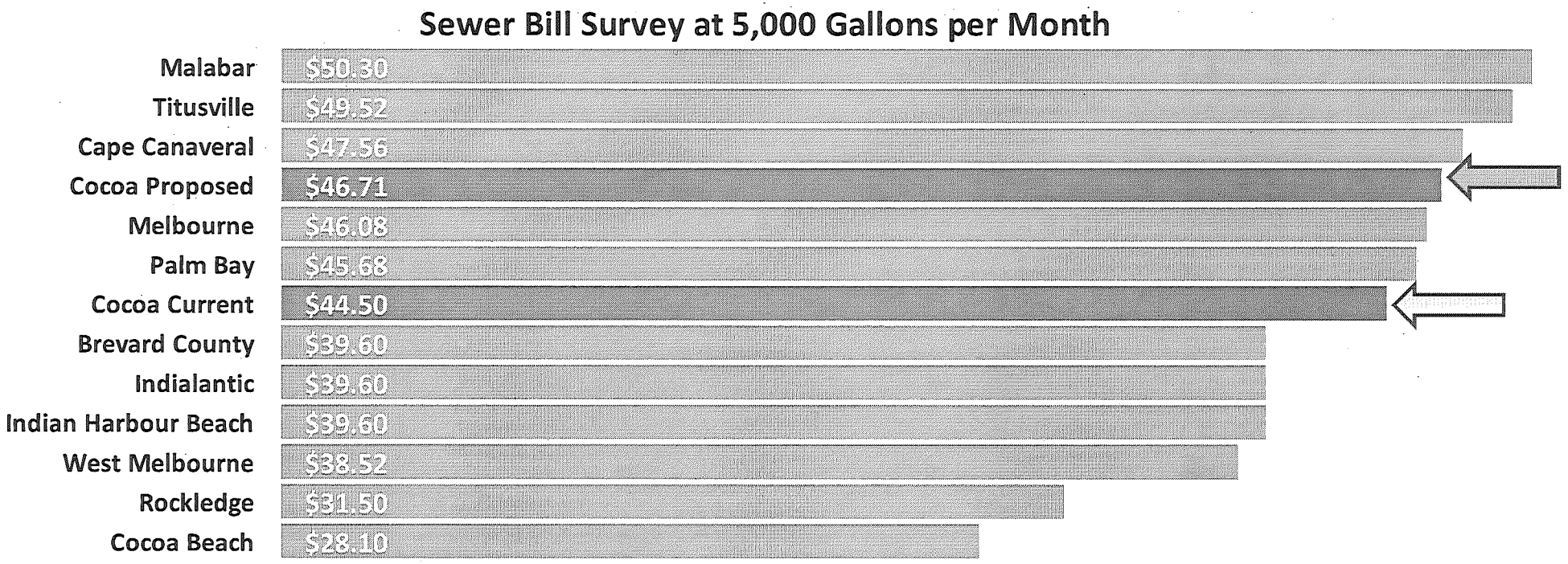
Presented by:

BURTON & ASSOCIATES

Recommendations

- Recommendations
  - Implement the original 5% across-the-board increase in all water, sewer and reclaimed water rates to be effective October 1, 2016
    - Meets financial planning targets and provides balanced/sustainable funding of capital improvement requirements (i.e. cash vs. debt)

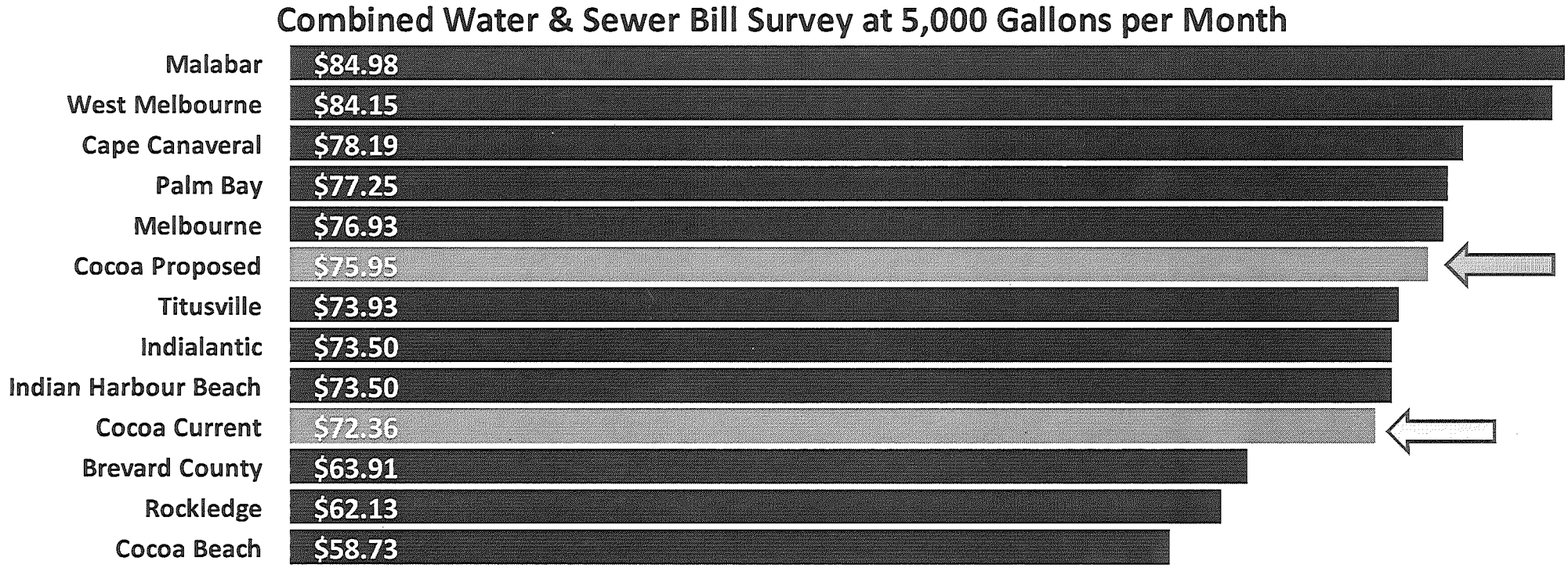
FY 2016 Residential Sewer Bill Survey



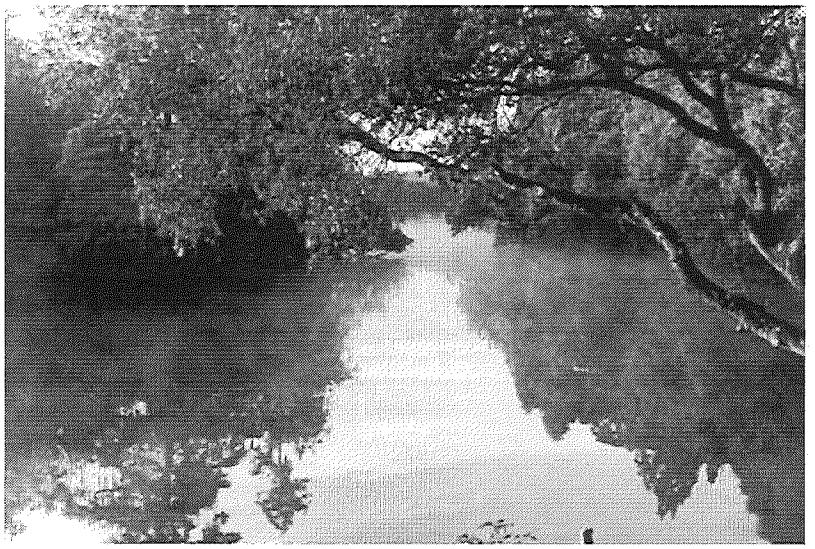
Presented by:

BURTON & ASSOCIATES

FY 2016 Residential Water & Sewer Bill Survey



Discussion



Legislation Details (With Text)

File #:	16-346	**Version:**	1	**Name:**	
Type:	Minutes			**Status:**	Minutes
File created:	8/9/2016			**In control:**	City Council
On agenda:	8/23/2016			**Final action:**	
Title:	Approve the Minutes of the Regular meeting of July 12, 2016 as written or with amendments.				
Sponsors:					
Indexes:					
Code sections:					
Attachments:	07-12-16 Minutes.pdf EXHIBIT A: BBQ & BLUES 2016_RECAP.pdf EXHIBIT B: TRIM Presentation.pdf				

Date	Ver.	Action By	Action	Result

CITY COUNCIL AGENDA ITEM

Memo Date: August 9, 2016
Agenda Date: August 23, 2016
Prepared By: Carie Shealy, City Clerk
Through:
Requested Action:
Approve the Minutes of the Regular meeting of July 12, 2016 as written or with amendments.

BACKGROUND:

NA

STRATEGIC PLAN CONNECTION:

NA

BUDGETARY IMPACT:

NA

PREVIOUS ACTION:

The City Council approves the minutes of all its meetings following transcription.

RECOMMENDED MOTION:

Approve the Minutes of the Regular meeting of July 12, 2016 as written or with amendments.

MINUTES

CITY OF COCOA
REGULAR MEETING OF THE CITY COUNCIL

July 12, 2016

A Regular meeting of the Cocoa City Council was held on Tuesday, July 12, 2016 in City Council Chambers, located in Cocoa City Hall, 65 Stone Street, Cocoa, Florida, as publicly noticed.

I. OPENING MATTERS:

Mayor Parrish called the meeting to order at 6:03 p.m.

Councilman Blake provided the invocation and Mayor Parrish led the assembly in the Pledge of Allegiance to the Flag of the United States of America.

The City Clerk took the roll.

PRESENT:	Henry U. Parrish III	Mayor
	Don Boisvert	Deputy Mayor
	Michael Blake	Councilman
	Brenda Warner	Councilwoman
	Anthony Garganese	City Attorney
	John Titkanich, Jr.	City Manager
	Matt Fuhrer	Assistant City Manager
	Carie Shealy	City Clerk
ABSENT:	Tyler Furbish	Councilman

OTHER STAFF PRESENT:

Jack Walsh, Utilities Director; Tammy Gemmati, Administrative Services Director; Steve Belden, Community Services Director; Ed Wegerif, Public Works Director; Michael Cantaloupe, Chief of Police; Jonathan Lamm, Acting Fire Chief; Jason McCuen, Desktop Support Technician; Trevious Folston, Desktop Support Specialist; Claude Goncalves, Systems Administrator; Lora Howell, Deputy Finance Director; Lea Taylor, Accounting/Budget Analyst.

II. APPROVAL OF AGENDA AND MINUTES:

1. Agenda: Regular Meeting of July 12, 2016 (16-279)
2. Minutes: (a)Regular Meeting of June 14, 2016 (16-281)
   (b)District 3 Town Hall Meeting of June 21, 2016 (16-282)

City Manager Titkanich requested that the agenda be amended to add City Business VIII.4, Short Term Lease for 6 Forrest Avenue.

* **MOTION by Deputy Mayor Boisvert; Seconded by Councilman Blake, to approve the Agenda as amended for the Regular meeting of July 12, 2016, the Minutes as written for the Regular meeting of June 14, 2016, and the District 3 Town Hall meeting of June 21, 2016.**

AYES: Parrish, Boisvert, Blake, Warner

THE MOTION CARRIED UNANIMOUSLY (4-0)

III. AWARDS AND PRESENTATIONS:

1. BBQ & Blues Update. (16-276). (Community Services Director)

Emma Kirkpatrick, HCVA, provided a brief presentation[1]provided a presentation on the BBQ & Blues Event that was held June 3rd and 4th in Cocoa Village. She provided a detailed report of the various ways the event was advertised, thanked the sponsors, spoke about the surveys taken by visitors, and the entertainment.

Ms. Kirkpatrick noted that there were 49 teams (38 were outside of Brevard). There were six judges which included 33 from outside of Brevard. Musicians were also brought in from all over.

She advised that people were coming to Cocoa and staying. She further noted that they received $300 from ice sales that went to Send a Kid to Camp for the Fiske Boulevard Church of Christ youth group. Additionally, she thanked Brevard Community Kitchen for catering the VIP event.

She advised that all of the figures were not complete but the approximate profit right now was about $6,000-$7,000.
Council members felt this was the best event and thanked her for her presentation. She thanked them and said it was great weather and that Friday night was fantastic.

[1] EXHIBIT A: BBQ & Blues recap

Councilman Blake advised that he did his own survey and the feedback he received correlated with what she provided. He believed this was a family friendly event and shows the impact that HCVA was having on the area.

Mayor Parrish acknowledged Ms. Kirkpatrick and thanked her and the others for what they do. He claimed these events were hard to pull off and they did it very well. He asked that all members in attendance from HCVA be recognized. They all stood for a round of applause.

HCVA provided everyone in attendance with a BBQ & Blues T-shirt.

IV. DELEGATIONS:

Brad Whitmore, 351 Rockledge Drive, HCVA, thanked Council and staff for the derelict vessel removal. He advised that wonderful things were happening and their removal made a big difference.

Ruth Collins, 742 Bernard St., Cocoa, spoke about the blighted area in her neighborhood. She asked what the next step would be as she had already spoken with Code Enforcement.

City Manager Titkanich explained the Code process noting they had to follow a legal process. He assured her that he would get with Mr. Belden after the meeting about the situation. He stressed that first and foremost that one's property rights could not be infringed upon, so reasonable time had to be given.

She thanked him and advised that she understood the process.

V. CONSENT AGENDA:

1. To Approve a Resolution Waiving the Competitive Bidding Process for the Purpose of Making a Sole Source Purchase of a Lime Slaker from Integrity Municipal Systems (IMS), Poway, California and the Installation of the Slaker through Water Treatment and Controls, Pensacola, Florida. (16-272). (Utilities Director)

*** MOTION by Councilman Blake; Seconded by Deputy Mayor Bosivert, to approve the Consent agenda.**
AYES: Parrish, Boisvert, Blake, Warner

THE MOTION CARRIED UNANIMOUSLY (4-0)

VI. PUBLIC HEARINGS:

None.

VII. COUNCIL BUSINESS:

1. Approve a Resolution No. 2016-67 establishing the Rolled-back Rate, adopt a Proposed Millage Rate, and set the date, time, and place for the first Public Hearing to consider the FY2017 Budget. (16-280). (Finance Director)

City Manager Titkanich provided a presentation[2] on the Truth in Millage (TRIM). He noted that providing a presentation was a statutory requirement, and it would be to establish the rolled back rate, adopt a proposed millage rate, and set the first public hearing.

He reminded Council that the rate voted for tonight could be reduced when voting on an adopted rate, but could not be increased.

City Manager Titkanich provided a historical review of the ad valorem tax base and hoped that the City would continue to see a growth in the base. Additionally, he spoke about the historical millage ad valorem revenue history.

He mentioned that there was about a 4.2% of change since FY 2008 and pointed out that they have remained at this level without furloughs, layoffs, or stopping of services.

City Manager Titkanich discussed the 2017 TRIM rate options, and reminded Council that the current adopted rate was 5.9790.

He provided options for 2017 which were to adopt the current rate, which is 5.9790; select the rolled back rate at 5.8759; or adopt the majority rate which is 8.9180. Staff was proposing to maintain the current rate.

He spoke about money that had to be paid out to the CRA's, and explained how the proposed rate would affect a single family property owner. With this proposed rate, they would only see a $4.00 annual increase. A home value of $200,000 the annual increase would be $8, and with a $300,000 value, the annual increase would be $12.

[2] EXHIBIT B: TRIM Presentation

City Manager Titkanich compared Cocoa with the other cities in Brevard County, and the City stands 7th. For the most part, all cities were trying to stay at their current rate.

He advised that there would be a Budget/CIP Workshop on August 4, 2016 at 5:30 p.m.

The 1st Public Hearing for the budget would be on Tuesday, September 6, 2016 at 6 pm. This is where they would vote for a proposed millage and proposed budget.

The 2nd Public Hearing would be on Wednesday, September 14, 2016 at 6 pm. This is where the budget and millage would be adopted.

He noted that the dates do not coincide with other meeting dates because by law you cannot have a meeting on the same date as other taxing authorities, such as Brevard County and the School Board.

City Attorney Garganese read the resolution in to the record, by title only, as follows.

RESOLUTION NO. 2016-67

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF COCOA, FLORIDA, ESTABLISHING THE ROLLED-BACK RATE; ADOPTING A PROPOSED TENTATIVE MILLAGE RATE; AND SETTING THE DATE, TIME AND PLACE OF A PUBLIC HEARING TO CONSIDER THE PROPOSED TENTATIVE MILLAGE RATE AND TENTATIVE BUDGET FOR FISCAL YEAR 2017; PROVIDING FOR THE REPEAL OF PRIOR INCONSISTENT RESOLUTIONS; AND PROVIDING FOR AN EFFECTIVE DATE.

Councilman Blake asked the City Attorney if, under Roberts Rules of Order, the Mayor could make a motion if he wanted to. City Attorney Garganese agreed that he could if he needed to.

Councilman Blake liked the current rate and did not want a tax increase.

* **MOTION by Councilman Blake; Seconded by Deputy Mayor Boisvert, to establish the rate of 5.9790, where they can go less but cannot supersede the rate.**

City Manager Titkanich pointed out that staying with the current millage rate, it would keep the rate the same, but by law it does represent a minor tax increase.

AYES: Parrish, Boisvert, Blake, Warner

THE MOTION CARRIED UNANIMOUSLY (4-0)

City Manager Titkanich thanked staff for all of their hard work.

2. Consider a Code Enforcement Lien Reduction in the amount of $500 for the property located at 1056 Mitchell Street, CE 14-334, owner Peter Vojtech. (16-285). (Community Services Director)

Mr. Belden presented the item noting that the Code Enforcement Board held apublic hearing on August 21, 2014 and found the owner, Stewart Spence, in violation of the following: Section 6-1003(o), Doors; Section 6-900(b)(4)a-c-Maintenance to a Structure; Section 6-900(b)(1)a-d-Accumulation of Trash & Debris; and Section 6-1003(c)-Premises Identification.

The Board provided the owner sufficient time to correct said violations. Therefore, consistent with the Board's order, a lien was recorded against the property effective October 2, 2014. The lien ran at $100 per day from October 2, 2014 until compliance was achieved on May 10, 2016. The lien is $58,600 and the current owner, Peter Vojtech, is requesting that the lien be forgiven, due to the fact that the violations were imposed against the previous owner and he was not aware of the liens at the time he purchased the property.

Mr. Belden noted that based on all of the factors staff was recommending that the lien be reduced to $500.

The Code Enforcement Board, at its regular meeting on June 16, 2016, recommended that the lien be reduced to $500.

City Manager Titkanich commented on the lien reduction request and spoke about administrative costs associated with these and that both the hard costs and personnel costs were being brought back to Council and the Code Board.

He mentioned that he has discussed a few comments that he has received from the public with the City Attorney. If you are getting a code lien reduction, then an equal amount should be invested back to into the property.

The City Attorney is looking into this and also into identifying the future use of the property. If the property is residential there is a possibility of doing a lien forgiveness investigation. One complaint that had been heard was that properties are being flipped and people are living in substandard conditions.

Additionally, this property owner was not aware of liens when they purchased this property. The property was bought via quit claim deed for $100. He did not feel that the lien being reduced to $500 was fair. Many members of the public have voiced their concerns that this was unfair. He fully respected the decisions of the Code Enforcement Board but did not feel that this was a warranted amount. Violations have incurred and the current lien amount was $58,600. He did not feel that reducing it to $500 was fair and equitable.

Councilwoman Warner noted that some of the repairs made were done without proper permits. She did not feel that liens should be forgiven if property owners were not following the law.

Councilwoman Warner requested that the item be tabled until July 26th so that information can be provided on improvements that have been done and whether or not they were permitted.

* **MOTION by Councilwoman Warner; Seconded by Deputy Mayor Boisvert, to table the item until July 26, 2016, so that improvements on the property can be provided and whether or not they were permitted.**

AYES: Parrish, Boisvert, Blake, Warner

THE MOTION CARRIED UNANIMOUSLY (4-0)

3. Consider a Code Enforcement Lien Reduction in the amount of $1,000 for the property located at 229 Smith Lane, CE 16-177, owner Wanda D. Betourd. (16-286). (Community Services Director)

Mr. Belden presented the item and noted that at a Code Enforcement Board hearing held on June 21, 2007, the Board found the owner in violation of the following: Section 6-900(b)(4)a-c-Maintenance to a Structure.
The Board provided the owner sufficient time to correct the said violations. Therefore, consistent with the Board's order a lien was recorded against the property effective June 21, 2007. The lien ran at $250 per day from June 21, 2007 until compliance was achieved on January 18, 2013. The lien is $509,520 and the current owner, Wanda D. Betourd is requesting that the lien be forgiven.

Mr. Belden advised that based on all of the factors, staff recommended that the lien be reduced to $1,000.

The Code Enforcement Board, at its regular meeting on June 16, 2016, recommended that that the lien be reduced to $1,000.

Councilman Blake asked if this satisfied administrative cost.

* **MOTION by Councilman Blake; Seconded by Deputy Mayor Boisvert, to approve the Code Enforcement Lien Reduction in the amount of $1,000 for the property located at 229 Smith Lane, CE 16-177, owner Wanda D. Betourd.**

AYES: Parrish, Boisvert, Blake, Warner

THE MOTION CARRIED UNANIMOUSLY (4-0)

4. Consider a Code Enforcement Lien Reduction in the amount of $500 (for Administrative Cost) plus $3,976.63 (for cost of Demolition) for the property located at 1043 Japonica Lane, CE 12-689, owner American Mutual Fund LLC. (16-287). (Community Services Director)

Mr. Belden presented this item and noted that at a Code Enforcement Board public hearing held on August 16, 2012, the Board found the owner in violation of the following: Section 6-900 (b)(5)-Boarded up Building and Section 6-900(b)(4) a-c-Maintenance to a Structure.

The board provided the owner sufficient time to correct the said violations. Therefore, consistent with the Board's order, a lien was recorded against the property effective September 4, 2012. The lien ran at $50 per day from September 4, 2012 until compliance was achieved on August 28, 2015. The lien is $54,450 and the current owner, American Mutual Fund LLC, is requesting that the lien be forgiven, due to the fact that the violations were imposed against the previous owner and they were unaware of the liens at the time the property was purchased.
Mr. Belden advised that based on all of the factors, staff recommended that the lien be reduced to $500 for Administrative Cost plus $3,976.63 for Demolition cost.

The Code Enforcement Board, at its regular meeting held on June 16, 2016, recommended the same.

City Manager Titkanich understood that these tools were useful, however, when new owners acquire properties with liens, the tax payer ends up having to pay for the liens. This should be done by the owner. Buyers have the responsibility to do due diligence and research before buying properties. He supports the buyers and those fixing up homes, but wanted to send a message that if you buy without doing due diligence it was not fair.

* **MOTION by Deputy Mayor Boisvert; Seconded by Councilwoman Warner, to approve the Code Enforcement Lien Reduction in the amount of $500 (for Administrative Cost) plus $3,976.63 (for cost of Demolition) for the property located at 1043 Japonica Lane, CE 12-689, owner American Mutual Fund LLC.**

AYES: Parrish, Boisvert, Blake, Warner

THE MOTION CARRIED UNANIMOUSLY (4-0)

5. Consider the Cancellation of the August 9, 2016 Regular City Council meeting. (16-295). (Administrative Services Director)

City Manager Titkanich explained the reason for this item, and pointed out the list of meetings provided in the agenda item.

* **MOTION by Deputy Mayor Boisvert; Seconded by Councilman Blake, to approve the item.**

AYES: Parrish, Boisvert, Blake, Warner

THE MOTION CARRIED UNANIMOUSLY (4-0)

VIII. CITY BUSINESS:

1. Ordinance No. 13-2016/1st reading: Amending Chapter 2, Administration, Article VII Police Officers' Retirement Plan of the Code by amending Section 2-191, Definitions; Section 2-194, Finances and Fund Management; Section 2-198, Disability; Section 2-200, Optional Forms of Benefits; Section 2-205, Maximum Pension; Section 2-206, Minimum Distribution of Benefits; Section 2-217, Prior Police Service; Section 2-218, Deferred Retirement Option Plan. (16-268). (Administrative Services Director)

City Attorney Garganese read Ordinance No. 13-2016 into the record by title only as follows, advising that this was the first reading of the ordinance.

ORDINANCE NO. 13-2016

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF COCOA, BREVARD COUNTY, FLORIDA, AMENDING CHAPTER 2, ADMINISTRATION, ARTICLE VII, POLICE OFFICERS' RETIREMENT PLAN, OF THE CODE OF ORDINANCES OF THE CITY OF COCOA BY AMENDING SECTION 2-191, DEFINITIONS; AMENDING SECTION 2-194, FINANCES AND FUND MANAGEMENT; AMENDING SECTION 2-198, DISABILITY; AMENDING SECTION 2- 200, OPTIONAL FORMS OF BENEFITS; AMENDING SECTION 2-205, MAXIMUM PENSION; AMENDING SECTION 2-206, MINIMUM DISTRIBUTION OF BENEFITS; AMENDING SECTION 2-217, PRIOR POLICE SERVICE; AMENDING SECTION 2-218, DEFERRED RETIREMENT OPTION PLAN; PROVIDING FOR CODIFICATION; PROVIDING FOR SEVERABILITY OF PROVISIONS; REPEALING ALL ORDINANCES IN CONFLICT HEREWITH AND PROVIDING AN EFFECTIVE DATE.

Ms. Gemmati advised that this was brought about last year and was in regards to changes for both fire and police. It was recommended to bring this back under separate ordinances to address the changes.

Councilman Blake clarified that the City was being proactive in regards to the ordeal with the Corby situation. He does not want another scenario like that.

In response, Ms. Gemmati clarified that this was for the police pension. City Manager Titkanich agreed with Councilman Blake and noted that these changes were recommended by the pension board and none of these changes would be in regards to what happened with the Fire Pension Board and the Corby's. He stressed that these changes were reviewed by both the pension attorney and our attorney.

* **MOTION by Councilman Blake; Seconded by Deputy Mayor Boisvert, to approve Ordinance No. 13-2016 on first reading.**

AYES: Parrish, Boisvert, Blake, Warner

THE MOTION CARRIED UNANIMOUSLY (4-0)

2. To Approve Change Order No. 1 to Purchase Order No. 66907 with H&H Liquid Sludge Disposal, Inc., Branford, Florida, for Transportation and Disposal of Biosolids, Bid #B-13-13-COC; To Approve a Resolution Amending the FY2016 Budget. (16-274). (Utilities Director)

Mr. Walsh mentioned that this was necessary because the amount of sludge that will be needed is not predictable.

*** MOTION by Councilman Blake; Seconded by Deputy Mayor Boisvert, to approve the item.**

AYES: Parrish, Boisvert, Blake, Warner

THE MOTION CARRIED UNANIMOUSLY (4-0)

3. Approve the proposed FY 2017 benefit renewal for medical, dental, vision, flexible spending, and life insurances with associated providers and authorize the City Manager to sign related agreements. (16-290). (Administrative Services Director)

Ms. Gemmati presented the item and noted that she provided each member of Council a handout with a change regarding the supplemental life insurance renewals. The annual amount was lowered.

City Manager Titkanich thanked Administrative Services and Shawn Fleming with the Gehring Group, along with all of the employees who serve on the Insurance Task Force. They all collaborated and there was a unanimous vote by the committee. He noted while they were not all thrilled that costs were going up, they did their work and agreed.

Councilman Blake commended everyone for their work, but pointed out that the City was known for having a competitive benefit package and it was greatly due to the health plan. He questioned the increase for the buy-up plan, and the effect it would have on many employee's paycheck. He was trying to help the 400+ employees get the best bang for their buck. He asked if there was something that could be done to offset the costs.

In response to his concerns, both Ms. Gemmati and City Manager Titkanich noted that the buy up and premier plans were having more claims. They stated that doing it this way they could spread it out and these are just two components of the plan. While there was an increase it was not as severe as it could have been.

Ms. Gemmati advised that all of these things were discussed with the committee and they had met twice.

Councilman Blake asked about the deductibles. Ms. Gemmati noted that the deductible does not apply to all services. Councilman Blake agreed that Care ATC was helping a lot but was looking at this from a financial perspective.

City Manager Titkanich agreed and noted that it was a calendar year deductible.

* **MOTION by Deputy Mayor Boisvert; Seconded by Mayor Parrish, to approve the item.**

AYES: Parrish, Boisvert, Blake, Warner

THE MOTION CARRIED UNANIMOUSLY (4-0)

4. Short Term Lease for 6 Forrest Avenue. (City Manager)

City Manager Titkanich provided background information regarding this item. He mentioned that it was approved on May 24, 2016; however, the current tenant requested extra time to move out of the building. Closing would be done on Friday, July 15th, at 10 a.m., hence the need to get this approved.

* **MOTION by Councilman Blake; Seconded by Deputy Mayor Boisvert, to approve the item.**

AYES: Parrish, Boisvert, Blake, Warner

THE MOTION CARRIED UNANIMOUSLY (4-0)

MULTI-YEAR CONTRACTS:

5.~~4.~~ To approve Task Order No. 2016-26 with Wade Trim, Inc. for Engineering Services during construction of the East Peachtree Street Water Main Improvements, Project No. WS1505; to Approve as a Multi-Year contract from FY2016 through FY2017; pending approval of the FY 2017 budget. (16-273). (Utilities Director)

Mr. Walsh briefly spoke about the item, reminding Council that this was for Indian River Drive in front of the elevated tank.

* **MOTION by Councilman Blake; Seconded by Deputy Mayor Boisvert, to approve the item.**

AYES: Parrish, Boisvert, Blake, Warner

THE MOTION CARRIED UNANIMOUSLY (4-0)

6.~~5.~~ Approve a Multi-Year Staff recommendation and Award the Design-Build Contract for Fire Station Number 1 to the Design-Build Team of W & J Construction Corporation, Architects RZK, Inc., MK Structural Engineering and

DDC Engineering (W&J/RZK/MK/DDC) based on RFQ #Q-16-07-COC; Authorize the City Manager to negotiate and execute a multi-year and multi-phase design-build contract with W&J/RZK/MK/DDC, for design and construction services for Fire Station #1, Headquarters Building (CP16F1) located on Dixon Boulevard for a Guaranteed Maximum Price (GMP) not to exceed $3,737,689 and in a form acceptable to the City Attorney. (16-278). (Public Works Director)

Mr. Wegerif presented the item and noted the process that was taken for awarding the design build contract for the station. He pointed out that this was a culmination design effort, but also the price and qualifications. They were short listed and the team narrowed it down to three teams. All of the teams were very competitive. Additionally, there was room to trim the budget in areas if needed.

He advised that they were proposing to issue a two part contract. This first one is for the design, permitting, and engineering. The next contract would be next fiscal year for ground breaking and construction.

Deputy Mayor Boisvert asked if this contract would do all three stations. In response to his question, City Manager Titkanich stated that this was for the satellite station only, but bid requests were out now for the other two.

Councilman Blake asked what Mr. Wegerif meant by negotiations. In response, Mr. Wegerif meant that there were areas that could be altered and would result in savings.

City Manager Titkanich explained the reasoning behind the multi-year contract. He mentioned that while in the process of preparing the budget there had to be revenue available. After many conversations, they decided to do it this way and are identifying reasonable project phases by fiscal year. Contracts would be entered into with identified phases. He advised they were trying to true it up in the first year so that they were aware of what the expenses would be.

* **MOTION by Councilman Blake; Seconded by Deputy Mayor Boisvert, to approve the item.**
AYES: Parrish, Boisvert, Blake, Warner

THE MOTION CARRIED UNANIMOUSLY (4-0)

IX. INFORMATIONAL AGENDA:

1. Cocoa Police Department District Event statistics. (16-288). (Chief of Police)

2. New Local Business Tax Receipts. (16-289). (Community Services Director)

X. REPORTS:

Mr. Walsh announced that the 2015 Water Quality Report was on the website. There was also a notice going out on the water bill noting that it was available on the website.

Mr. Wegerif mentioned that on June 29th they received notice from FDOT that the CAF was accepted for Cocoa's proposal to paint the letters "COCOA" on the bridge. They were now working with the contract to get a cost estimate for the work they want done. Letters would be about 4 foot tall. He believed it would look good.

He further spoke about the Peachtree Street ribbon cutting on July 8th and announced that the Florida Avenue Complete Streets project would now begin.

Mayor Parrish asked for an update on U.S. 1. In response, Mr. Wegerif stated the finishing date was still August. They were working on the street lights and noted that soon they would be lit for 7 days straight, so if someone sees this, the lights should be this way.

Lastly, Mr. Wegerif advised that recycling carts were out and a pickup had been done.

Councilman Blake asked why the directions were not placed on the cart. Mr. Wegerif stated he would check with Waste Management.

City Manager Titkanich advised that Thursday, July 14th, a meeting with the Ministerial Alliance would be held at the Greater St. Paul Missionary Baptist Church, and topics being discussed were the Consent Decree, Stone Street, and Fire Station #2.

Additionally, he announced that budget books would be delivered by the end of this week or early next week to each Council member.

Councilwoman Warner congratulated Mr. Wegerif and staff for the fabulous job done on Peachtree Street. She noted that she was seeing some wonderful things in Atlanta and would have a great report for the next meeting.

Councilman Blake congratulated Mr. Wegerif and staff for the great work on Peachtree Street. He thought the contractors did a phenomenal job and citizens were very happy. He noted next would be Florida Avenue then Fiske Blvd.

He spoke about a recent issue on Berkshire Avenue, adding that Ms. Shealy had conveyed that the problem was handled. Mr. Wegerif concurred and stated that it was being handled.

Councilman Blake mentioned his attendance at the retirement celebration of Pastor P.L. Jones and pointed out that it was a wonderful party. He had pastored for 52 years total, with 42 years being in the City of Cocoa. Mayor Parrish did a dynamic job of presenting the Key to the City and Councilman Blake read a proclamation.

Lastly, he reminded all to buy local, and asked everyone to pray for all.

Deputy Mayor Boisvert stated that the electronic sign on the corner of Dixon and Indian River Drive was not working and believed it was time to pull it back in.

He advised he would be attending the TPO meeting this Thursday and they would hear recommendations for SR 520 and Fiske Blvd.

Mayor Parrish spoke about his attendance to the Peachtree Street ribbon cutting, and noted it was a grand day for the City. He believed it was a historical and significant day and thanked former Councilman Clarence Whipple, Jr. for pushing that project during his tenure. Mayor Parrish stated it was imperative that project continue to keep moving.

Furthermore, he thanked TPO Director Bob Kamm for attending and speaking at the ribbon cutting.

He spoke about the event on July 4th and thought it was the most people that he had ever seen. He figured there were about 20,000 plus in attendance at the time of fireworks. Mayor Parrish also thought it was neat that Ms. Florida contestants showed up. It was a great day.

In closing, Mayor Parrish advised that the City has a vision and a plan. There was a list of priorities that were about to be rolled out and Cocoa would be reinvented,

along with many waterfront projects coming up. There is a strategy and Cocoa will continue to be improved equally throughout the City.

XI. ADJOURNMENT.

*** MOTION by Councilman Blake; Seconded by Deputy Mayor Boisvert, to adjourn the regular meeting of July 12, 2016.**

AYES: Parrish, Boisvert, Blake, Warner

THE MOTION CARRIED UNANIMOUSLY (4-0)

The meeting adjourned at 7:53 p.m.

_____

Henry U. Parrish III, Mayor

ATTEST:

_____

Carie Shealy, City Clerk



EXHIBIT A: BBQ & BLUES RECAP

Historic Cocoa Village's BBQ & Blues

Re-Cap



June 3rd & 4th 2016

TV Advertising



Thank you Bright House Networks!

Digital Billboards



Thank you VisitSpaceCoast &
City of Cocoa



Print Media



CHRIS BONANNO/FLORIDA TODAY

The Balkun Brothers, Steve (on guitar and vocals) and Nick "The Hammer" (on drums and vocals) perform on Saturday afternoon at BBQ & Blues in Cocoa.

BBQ & Blues in Cocoa touts more than 10,000 attendees

CHRIS BONANNO FLORIDA TODAY

Forty-five professional barbecue teams and 65 judges from all over the southeast converged on Cocoa Village over the last couple of days at the 2016 Florida State BBQ Championship, otherwise known as the sixth annual edition of Cocoa Village's BBQ & Blues.

"... We've got teams coming as fa... Georgia and I think south-wise, Lake Oke...

...those in attendance is that some... selling their award-winning barbecue.

"We love it. Ain't nothing better than somebody li... ing your cooking better than you do," said Denn... Caves of Narcoossee, barbecuing in competition wi... his parents and tw... I want to win bad."

"It's grown exponentially. The first year, I capped competitors at, I think 22, and this year we're up to ... it's grown at least double in size."

Of cou... at an event called "BBQ & Blues" it's ...od.

...State Championship, we ... your favorites from past years," said Kirkpatrick.

A number of different blues acts provided entertainment for patrons, including Damon Fowler, Jo... Miller, the Balkun Brothers, Doug Deming and t... Jewel Tones, Big Blues Machine and The ... Blues Band.

"It's original music, blues, little bit of funk, but mainly blues," said A.J. Kelly of Miami, just before he performed onstage with Josh Rowand in The Pitbull of Blues Band. "The hospitality has been phenomenal."

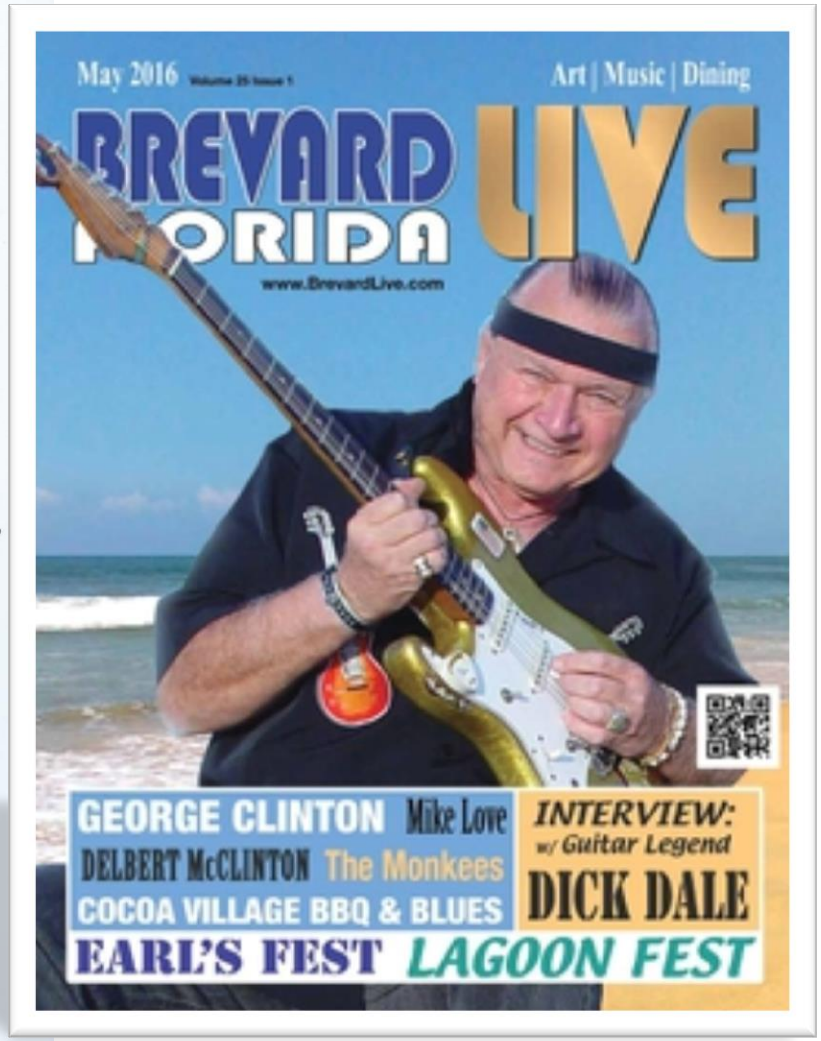
Contact Bonanno at 321-242-3662, cbonanno@floridatoday.com or follow Chris on Twitter @FTChrisBonanno.



CHRIS BONANNO/FLORIDA TODAY

Dennis Caves, of Narcoossee, prepares beef brisket on Saturday at the sixth annual BBQ & Blues in Cocoa.

- **Brevard Live**
- **Home Town News**
- **Florida Today**



Radio

- WFIT
- 98.5 The Beach
- Lite Rock 99.3



Social Media



- TDC
  - Facebook 257,536 reach
- Us
  - Facebook
    - BBQ Page 2500
      - $100, 17,696 reach
      - 138 event responses
    - HCVA Page 9000+
  - Eventbrite
  - Instagram

Other Advertising

- 300+ Posters Distributed
- 1000+ Flyers Distributed
- Banners
- Yard Signs
- News Coverage



Advertising results

- TV 3%
- Radio 5%
- Print 10%
- Social Media 25%
- Word of Mouth 38%
- Flyer or Billboard 19%





Teams

- 49 teams
  (38 outside Brevard)
- 12 Vendors
- 21 Florida Counties
- 3 Georgia Counties



Judges

- 60 Judges
  - 53 from outside Brevard
- 17 Florida Counties
- 1 Georgia County

Musicians

- 7 acts over 2 days representing:
  - Hartford, Connecticut
  - Bradenton
  - Lakeland
  - Cooper City
  - Orlando
  - Melbourne
  - Rockledge

Attendees



- Estimated 14,000 over two days
- 25% Visited from out of Brevard County
- 61% Stayed Overnight in Brevard County

BBQ & Blues and the Community



- Fiske Blvd Church of Christ Youth Group "Send a Kid to Camp" receives $300 for Ice Sales
- Brevard Community Kitchen Caters VIP Tent
- Music in Schools receives donation $1,372

Feedback from Participants

- Just wanted to let you know i had a blast, you and your staff are amazing, and it was even better than last year. thanks again for the experience. Scott, wackadoos

- Hi Emma, Just a note to let you know that the contest was great. Thank you for all your hard work. We sold out of food at the end. Vending was great this year. Loved our spot. I will make sure to get there early next year to get the same spot. We stayed at the Econo Lodge Saturday night and it was great. Everyone was very nice. We went down to the Island Grill for a late dinner and enjoyed the food. Overall great weekend. Janet and Big Papa

- You did such a wonderful job and I had such a good time. You really treat your judges well and we all appreciate the fine work you do. Take care and plan to see you next year-Donna Kendall

- My wife and I stayed 2 nights had a great time and look forward to next year. Thanks for your hard work, Rodney Higginbotham, Jax Fl

- Great Event and you and your staff did A great job making the judges feel comfortable. Looking forward to seeing you again in 2017.

- Great contest, Thanks for giving us the opportunity to judge again this year!!!!! Cathy and Stephen

- You absolutely hit a home run last weekend! It gets better every year and I appreciate your allowing me to judge the BBQ contest. Thanks.....L=

- Good morning Emma! My wife, Lori and I, Richard Ware, would like to thank you inviting us to judge the Cocoa Village BBQ and Blues Contest yesterday as BBQ judges. The music, BBQ, support of the neighboring businesses, and the fellowship amongst the crowd was spectacular. We had a great time, and it appears most, if not all other attendees, did as well. We would be honored to be inviting again to the 2017 version of The Cocoa Village BBQ and Blues Festival. Have a wonderful weekend! Thank you, Richard Ware, MS

- ...I am very impressed with the organization and preparation you arranged for the contest and how smoothly everything was conducted. I hope I get to work with you again next year on this very special contest. Thanks for all the support and hospitality. Gary Washam FBA Rep

Bottom Line

- 14,000 attendees
- 3,500 out of county visitors
- 2,135 room nights generated
- 91 teams & judges from outside the county
- TV, Radio, Billboards, Print, Social Media, posters, flyers and a whole lot of BUZZ and good feelings about COCOA!
- Estimated $515,000 direct economic impact
- $ raised to promote Cocoa

Thank you to our Sponsors!

























































3665 Bobbi Lane
Titusville, Florida 32780
brevarduniform@bellsouth.net





















Truth In Millage (TRIM) Presentation

Regular Council Meeting
July 12, 2016

EXHIBIT B: TRIM Presentation

Objectives

❖ **Approve a resolution establishing the Rolled-Back Rate**

❖ **Adopt a Proposed Millage Rate**

To be in compliance with FS 200.065, the City must establish a proposed millage rate by August 4th (within 35 days of TRIM Compliance Process) for the 2017 Fiscal Year.

- Minimum Requirement – 3 of 5 Votes

❖ **Set 1st Public Hearing – Sept. 6, 2016 at 6:00pm**

❑ **REMINDER**

- The proposed rate you vote for tonight can be reduced when voting for an adopted millage rate, but cannot be increased.

Historical Review
Ad Valorem Tax Base

Fiscal Year		Valuation		% of Change
FY2008		$1,178,240,071		3.8%
FY2009		$1,168,009,451		(0.9%)
FY2010		$1,025,224,075		(12.2%)
FY2011		$906,460,404		(11.6%)
FY2012		$797,859,898		(12.0%)
FY2013		$771,155,034		(3.3%)
FY2014		$773,867,625		0.4%
FY2015		$780,867,676		0.9%
FY2016		$817,760,975		4.7%
FY2017		$857,337,863		4.8%

FY2008-FY2016 is based on the Final Taxable Value.

Historical Review of Millage and Ad Valorem Revenue History

Fiscal Year	Valuation	Millage	Ad Valorem Revenue	Revenue Variance from Previous Year	% of Change
FY2008	$1,178,240,071	4.4891	$4,799,656	($20,259)	(0.4%)
FY2009	$1,168,009,451	4.4891	$4,542,124	($257,532)	(5.4%)
FY2010	$1,025,224,075	4.4891	$4,066,536	($475,588)	(10.5%)
FY2011	$906,460,404	4.9660	$4,040,240	($26,296)	(0.6%)
FY2012	$797,859,898	5.5813	$4,022,601	($17,639)	(0.4%)
FY2013	$771,155,034	5.9811	$4,173,108	$150,507	3.7%
FY2014	$773,867,625	5.9811	$4,235,127	$62,019	1.5%
FY2015	$780,867,676	5.9790	$4,275,054	$39,927	0.9%
FY2016	$817,760,975	5.9790	*4,454,795	$179,741	4.2%

* FY 2016 represents Y-T-D collection.

FY2017 TRIM Rate Options

	Valuation	Rate	Gross Tax Revenue	Tax Revenue @ 95%	FY2016 – FY2017 Revenue Variance
FY2016 Adopted Rate	**$818,427,691**	**5.9790**	**$4,893,379**	**$4,648,710**	
FY 2017 Millage Options					
Current Rate-Proposed	$857,337,863	5.9790	$5,126,023	$4,869,722	$221,012
Rolled-back Rate	$857,337,863	5.8759	$5,037,632	$4,785,750	$137,040
Majority Rate	$857,337,863	8.9180	$7,645,740	$7,263,452	$2,614,742

Proposed Rate

City Council may adopt any rate up to 9.8098 with a two-thirds vote.

Reduction To Ad Valorem Due To Required TIF Payments To The CRA's From The General Fund

CRA	MILLAGE 5.9790 FY2017 CURRENT PROPOSED RATE	MILLAGE 5.8759 FY2017 VALUATION AT THE ROLLED-BACK RATE	DIFFERENCE
DOWNTOWN COCOA	$617,094	$606,453	$10,641
DIAMOND SQUARE	$62,571	$61,492	$1,079
US 1 CORRIDOR	$71,338	$70,108	$1,230
TOTAL to CRA's	$751,003	$738,053	$12,950

What Does This Mean To The Single Family Property Owner?

	Valuation	FY 2016 5.9790	*Valuation With 0.7% Increase	FY 2017 5.9790	Increase	FY 2017 Max. 9.8098
Single Family Residence	$100,000		$100,700			
Less: Homestead	($50,000)		($50,000)			
= Taxable Value	$50,000	$299	$50,700	$303	$4	$467
Single Family Residence	$150,000		$151,050			
Less: Homestead	($50,000)		($50,000)			
= Taxable Value	$100,000	$598	$101,050	$604	$6	$931
Single Family Residence	$200,000		$201,400			
Less: Homestead	($50,000)		($50,000)			
= Taxable Value	$150,000	$897	$151,400	$905	$8	$1,394
Single Family Residence	$300,000		$302,100			
Less: Homestead	($50,000)		($50,000)			
= Taxable Value	$250,000	$1,495	$252,100	$1,507	$12	$2,322

* The Save Our Homes, as provided in Section 193.155(1), F.S. limits the annual increase in homestead exempt properties assessments to either 3% or the CPI change, whichever is less. For 2016 the CPI cap is 0.7%, even though the City overall has a 4.8% increase in value.

FY2017 Comparative City Rates

Ranking	City	Current	Rolled-back	Proposed
1	Palm Bay	8.5000	7.8365	8.4500
2	Satellite Beach	8.2900	7.8276	8.2309
3	Titusville	7.9011	7.4141	7.7647
4	Melbourne	7.6886	7.3351	7.3351
5	Indialantic	6.4695	6.0609	6.2653
6	Rockledge	6.3400	6.0371	6.2500
7	**Cocoa**	**5.9790**	**5.8759**	**5.9790**
8	Cocoa Beach	4.9798	4.7173	5.4798
9	Cape Canaveral	3.4797	3.2989	3.4797
10	West Melbourne	2.4633	2.3296	2.4633

Note: Ranking is established using the Proposed Rate.

Next Steps

- Budget Workshop – **August 4, 2016** at 5:30 pm

- 1ST Public Hearing – **Sept. 6, 2016** at 6:00 pm
  - Vote for a Proposed Millage Rate
  - Vote on the Proposed FY2017 Budget

- 2nd Public Hearing – **Sept. 14, 2016** at 6:00 pm
  - Adopt a Proposed Millage Rate
  - Adopt the FY2017 Budget

FY2017 Staff Proposed Rate & 1st Public Hearing

	Valuation	Rate	Gross Tax Revenue	Tax Revenue @ 95%
Current FY 2016 Millage Rate	$818,427,691	5.9790	$4,893,379	$4,648,710
Staff Proposed FY2017 Millage Rate	$857,337,863	5.9790	$5,126,023	$4,869,722
FY2017 Revenue Difference			$232,644	$221,012

1st Public Hearing on September 6, 2016 at 6:00pm at Cocoa City Hall

Questions?



Legislation Details (With Text)

File #:	16-347	**Version:**	1	**Name:**	
Type:	Minutes			**Status:**	Minutes
File created:	8/9/2016			**In control:**	City Council
On agenda:	8/23/2016			**Final action:**	
Title:	Approve the Minutes of the Regular meeting of July 26, 2016 as written or with amendments.				
Sponsors:					
Indexes:					
Code sections:					
Attachments:	07-26-16 Minutes.pdf EXHIBIT A: Cocoa Works Presentation.pdf				

Date	Ver.	Action By	Action	Result

CITY COUNCIL AGENDA ITEM

Memo Date: August 9, 2016
Agenda Date: August 23, 2016
Prepared By: Carie Shealy, City Clerk
Through:
Requested Action:
Approve the Minutes of the Regular meeting of July 26, 2016 as written or with amendments.

BACKGROUND:

NA

STRATEGIC PLAN CONNECTION:

NA

BUDGETARY IMPACT:

NA

PREVIOUS ACTION:

The City Council approves the minutes of all of its meetings following transcription.

RECOMMENDED MOTION:

Approve the Minutes of the Regular meeting of July 26, 2016 as written or with amendments.

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MINUTES

CITY OF COCOA
REGULAR MEETING OF THE CITY COUNCIL

July 26, 2016

A Regular meeting of the Cocoa City Council was held on Tuesday, July 26, 2016, in City Council Chambers, located at Cocoa City Hall, 65 Stone Street, in Cocoa, Florida as publicly noticed.

I. OPENING MATTERS:

Mayor Parrish called the meeting to order at 6:02 p.m.

Chief Prince provided the invocation and Mayor Parrish led the assembly in the Pledge of Allegiance to the Flag of the United States of America.

The City Clerk took the roll.

PRESENT:	Henry U. Parrish III	Mayor
	Don Boisvert	Deputy Mayor
	Michael Blake	Councilman
	Tyler Furbish	Councilman (via telephone)
	Brenda Warner	Councilwoman
	Anthony Garganese	City Attorney
	John Titkanich, Jr.	City Manager
	Matt Fuhrer	Assistant City Manager
	Carie Shealy	City Clerk

OTHER STAFF PRESENT:

Jack Walsh, Utilities Director; Tammy Gemmati, Administrative Services Director; Steve Belden, Community Services Director; Ed Wegerif, Public Works Director; Michael Cantaloupe, Chief of Police; Chief Prince, Fire Chief; Tre Folston, Desktop Support Technician; Chris Perry, Desktop Support Specialist; Bethani Foster, Customer Service Supervisor; Patsi Porter, Human Resources Coordinator; Gina Maxwell, Human Resources Manager; Angela Roy, Human

Resources Coordinator; Laura Rankin, Associate Engineer; Lora Howell, Deputy Finance Director; and Charlene Neuterman, Projects Manager.

II. APPROVAL OF AGENDA AND MINUTES:

1. Agenda: Regular Meeting of July 26, 2016 (16-300)
2. Minutes: Regular Meeting of June 28, 2016 (16-301)

City Manager Titkanich requested that the agenda be amended to add a presentation, Item III.3 (update by Dr. Stephanie Soliven, Cocoa High School).

* **MOTION by Deputy Mayor Boisvert; Seconded by Councilwoman Warner, to approve the amendment to the agenda for the regular meeting of July 26, 2016.**

AYES: Parrish, Boisvert, Blake, Furbish, Warner

THE MOTION CARRIED UNANIMOUSLY (5-0)

* **MOTION by Deputy Mayor Boisvert; Seconded by Councilwoman Warner, to approve the Agenda as amended for the regular meeting of July 26, 2016, and the Minutes of the Regular meeting of June 28, 2016.**

AYES: Parrish, Boisvert, Blake, Furbish, Warner

THE MOTION CARRIED UNANIMOUSLY (5-0)

III. AWARDS AND PRESENTATIONS:

1. Presentation Summary of the 2016 Summer Youth Employment Program. (16-257). (Administrative Services Director)

Ms. Gemmati provided a presentation regarding the 2016 Summer Youth Employment Program[1]. She noted that twenty two students started the program, and twenty ended up completing the program. They learned essential job skills, and had 125 hours of paid work experience. She believed that the program was very rewarding and provided a different experience for all of the students.

[1] EXHIBIT A: Cocoa Works 2016 Summer Youth Employment Program Presentation

She spoke about the Human Resources intern Shania Harris, who impressed the department from the beginning. She is a junior at Cocoa High School, is dual enrolled at Eastern Florida State College, and a member of the basketball team, Ms. Gemmati raved about Shania's organization and work ethic.

Ms. Gemmati further recognized the Human Resources Coordinators, Angela Roy and Patsi Porter, who helped with a program under the direction of Gina Maxwell, the Human Resources Manager.

Chris Collier, WFO Manager, thanked the City, Career Source and Spherion for hosting the program. Furthermore, he thanked the students for their participation and enthusiasm. He provided a brief list of some of the job duties that his interns did, pointing out that their work ethic was remarkable. He thanked many of them for stepping out of their comfort zones in order to try something new. Mr. Collier wished all of the students luck in the future and offered the invitation for them to stop by in the future so that they could celebrate their successes with them.

Jana Bauer, with Career Source, thanked Council and staff and advised that students had been taught the guidelines for being successful in the workplace. She mentioned that she was honored to represent the students in the room, and although there were a few minor employee relations issues that had to be worked through, the program was a success and all of the students had grown tremendously. She believed that all of the managers changed these kid's lives, mainly because they were not treated as kids but as adults.

Ms. Bauer introduced Capone Dunn, who worked in the Information Technology Department.

Mr. Dunn spoke in regards to his job and stated that in the beginning he though everyone was going to be very strict, but it was not like that at all. At the end of the program his boss asked if he wanted to continue and Mr. Dunn said he would like to if the possibility arose.

Ms. Bauer noted that many of the students shared that the managers said that they would like for them to come back.

Shania Harris, Human Resources, shared her experience and felt it was wonderful. She thought everything and everyone was amazing. She was surprised at what it took to make the city work and thinks everyone does an

amazing job. She got to experience many different parts of the City and thanked everyone for the opportunity.

Lindsey Nakaville, who worked alongside Samantha Senger in Public Relations, thanked everyone for the opportunity. She spoke about the values that she has been taught and thought it was neat to see all of the backgrounds and diversity of employees, and thought it was neat at how all of the pieces of the puzzle (the City) come together to complete what happens. She felt this experience would greatly help her when she goes into the Navy in August.

City Manager Titkanich met with all of the students before the program began and hoped that they took this experience to heart and it would expand their options and that maybe public service is a viable option to make a change in their community. He mentioned that this idea came about from a community meeting and believed this was a stronger program then in the past. There have been very good comments received and it was an amazing reflection on Cocoa High School. He thanked all of the departments for participating and Councilman Blake for speaking to the students in the beginning.

Certificates were presented to all of the participants.

2. Recognition of Councilwoman Warner for her Completion of the Advanced Institute for Elected Municipal Officials. (16-283). (Administrative Services Director)

Mayor Parrish presented Councilwoman Warner with a certificate of completion of the Advanced Institute for Elected Municipal Officials.

3. Presentation by Dr. Stephanie Soliven, Cocoa High School Principal.

Dr. Soliven advised that she had some exciting news to share with the City. She had spent all summer researching microfiche at the public library and has learned a tremendous amount of knowledge about the beginnings of Cocoa High School. She spoke about its beginning and how it has evolved to where it is located today. Cocoa High School first began in 1917 and in 1918 it was named an accredited senior high school. They have always been the Cocoa Tigers and the colors have always been orange and black. In 1970 the campus on Tiger Trail opened.

This year marks the schools 100th anniversary and she was very excited. They intend to celebrate a lot throughout the school year and she advised there would be phone calls and invitations throughout the year so that the City could help them celebrate.

Additionally, ESPN would be filming another game on Sunday, August 28, 2016 at 2 pm, and it would be national coverage. Invitations would be sent out for that also.

Lastly, she spoke about a partnership with the YMCA and that there was a grant to support a robust afterschool program at their school. They had about 85 students in summer camp, and it was a free program. This was a unique program and they were one of two schools who got the opportunity.

She thanked Council and was excited about the research she found and for the upcoming year.

IV. DELEGATIONS:

Lorraine Koss, 2150 N. Indian River Drive, a Cocoa resident, shared her passion for solar power and the upcoming Amendment 4 in the election. She announced that she was working with the League of Women Voters and on August 24, 2016, an event would be hosted at the Florida Solar Energy Center. Discussion would include the PACE program along with the forming solar co-ops. Invitations would be sent out for the event.

Ruth Collins, 742 Bernard Street, a Cocoa resident, thanked Code Enforcement and Council for getting the neighborhood cleaned up that she had previous concerns with.

V. CONSENT AGENDA:

1. Approve the FY'17 Joint Funding Agreement between the City of Cocoa and the U.S. Department of the Interior-U.S. Geological Survey for Water Quality Sampling and Water Level Measurements; pending the approval of the FY 2017 Budget. (16-292). (Utilities Director)

2. Approve Participation in a Cooperative Purchase Agreement with Danus Utilities, Inc., Utilizing the City of Clermont Contract No. 2011-40 Effective July 11, 2016 through July 11, 2017, for Sanitary Sewer Manhole and Lift Station Rehabilitation Services Project WS1409; To Approve a Resolution Authorizing

the City Manager to Approve Change Orders in an Amount Not to Exceed $10,000 for a Total Project Amount of $110,350. (16-296). (Utilities Director)

3. Accept the Short List for Underwriting Services and authorize the City Manager to sign the contracts and related documents for the two selected firms. (16-307). (Finance Director)

4. Approve a waiver of Competitive Bidding by way of Sole Source and approve a Resolution amending the FY 2016 budget for repairs and reconditioning of the Tymco 500X regenerative air street sweeper. (16-314). (Public Works Director)

5. Approve a Resolution adopting a final reconciliation of total contract amount and contingency set aside for the Peachtree Street Project; authorize the City Manager to approve funding for the final change order to Purchase Order #67188 with DP Development of the Treasure Coast, Pompano Beach, FL for the completion of the Peachtree Complete Street Project PW08PT consistent with the Final Reconciliation Resolution; Approve a Resolution amending the FY2016 budget. (16-315). (Public Works Director)

*** MOTION by Deputy Mayor Boisvert; Seconded by Councilman Blake, to approve the Consent Agenda.**

AYES: Parrish, Boisvert, Blake, Furbish, Warner

THE MOTION CARRIED UNANIMOUSLY (5-0)

VI. PUBLIC HEARINGS:

1. Ordinance No. 13-2016/2nd & Final reading: Amending Chapter 2, Administration, Article VII Police Officers' Retirement Plan of the Code by amending Section 2-191, Definitions; Section 2-194, Finances and Fund Management; Section 2-198, Disability; Section 2-200, Optional Forms of Benefits; Section 2-205, Maximum Pension; Section 2-206, Minimum Distribution of Benefits; Section 2-217, Prior Police Service; Section 2-218, Deferred Retirement Option Plan. (16-316). (Administrative Services Director)

City Attorney Garganese read Ordinance No. 13-2016 into the record, by title only as follows, and advised that this was the second and final reading of the Ordinance.

ORDINANCE NO. 13-2016

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF COCOA, BREVARD COUNTY, FLORIDA, AMENDING CHAPTER 2, ADMINISTRATION,

ARTICLE VII, POLICE OFFICERS' RETIREMENT PLAN, OF THE CODE OF ORDINANCES OF THE CITY OF COCOA BY AMENDING SECTION 2-191, DEFINITIONS; AMENDING SECTION 2-194, FINANCES AND FUND MANAGEMENT; AMENDING SECTION 2-198, DISABILITY; AMENDING SECTION 2- 200, OPTIONAL FORMS OF BENEFITS; AMENDING SECTION 2-205, MAXIMUM PENSION; AMENDING SECTION 2-206, MINIMUM DISTRIBUTION OF BENEFITS; AMENDING SECTION 2-217, PRIOR POLICE SERVICE; AMENDING SECTION 2-218, DEFERRED RETIREMENT OPTION PLAN; PROVIDING FOR CODIFICATION; PROVIDING FOR SEVERABILITY OF PROVISIONS; REPEALING ALL ORDINANCES IN CONFLICT HEREWITH AND PROVIDING AN EFFECTIVE DATE.

Mayor Parrish opened the hearing to the public. There being no response, the public portion of the hearing was closed.

* **MOTION by Councilwoman Warner; Seconded by Deputy Mayor Boisvert, to approve Ordinance No. 13-2016 on second and final reading.**

AYES: Parrish, Boisvert, Blake, Furbish, Warner

THE MOTION CARRIED UNANIMOUSLY (5-0)

VII. COUNCIL BUSINESS:

1. Consider the Donation application for the organization My Community Cares, Inc. and the project "The SPOT". (16-303). (Administrative Services Director)

* **MOTION by Councilman Blake; Seconded by Councilwoman Warner, to approve the donation application.**

AYES: Parrish, Boisvert, Blake, Furbish, Warner

THE MOTION CARRIED UNANIMOUSLY (5-0)

Mr. Jarvis Wash thanked Council and the City for their ongoing support.

Ms. Gemmati clarified that staff recommended that if Council approves the donation request that it be conditioned that the proceeds of the contribution be used for purposes other than prizes to tournament team participants.

City Manager Titkanich clarified with Council that the condition was understood in their motion.

Council responded in the affirmative.

2. Consider a Code Enforcement Lien Reduction in the amount of $500 for the property located at 1056 Mitchell Street, CE 14-334, owner Peter Vojtech. (16-317). (Community Services Director)

Mr. Belden explained that this item had been previously tabled from the July 12th Council meeting, but pointed out that a permit had been applied for on July 7, 2016.

He acknowledged the letter from Mr. Sinclair and reiterated that the City could not gain access to the interior in order to determine whether or not work had been done. This cannot be done on any home, without the owner letting them in.

From staff's standpoint, they were aware of the electrical work on the exterior and the owner received his business tax receipt for the residential rental. The previous recommendation was $500, but based on additional analysis, staff was revising their recommendation based on a couple of things. One of the reasons was that the violation ran under the current owner for some time, and furthermore staff has also been undertaking an analysis as to the cost of what it takes to process a code case from beginning to end.

Mr. Belden explained the process and noted they figured out it was about $700 on average to process a code case, which includes mailings, paperwork, and staff time.

Based on the factors, staff recommends that the lien be reduced to $2,500 which would recoup any hard costs, co-pays, and fines. This is all based on the fact that the lien ran for 355 days.

Councilwoman Warner questioned the business tax receipt and the inspection program under that. In response, Mr. Belden affirmed that communication was happening between the city and the owner, and that an inspection was being scheduled.

Councilwoman Warner further clarified that any work that had been done without a permit would be noted at that time. Mr. Belden again responded in the

affirmative, and noted that he would be cited and his residential rental license would be suspended.

City Manager Titkanich further expanded on the inspection issue. He was aware that emails had been received in regards to the plumbing and he advised that it was difficult for the City to inspect plumbing without being able to pull off a wall to see what pipes where changed, etc. This inspection would ensure that the property was livable and suitable for occupancy and that nothing would provide a public safety issue.

Councilwoman Warner stressed that she wanted to make sure that the home would be safe for anyone who lives or pays rent there.

* **MOTION by Deputy Mayor Boisvert; Seconded by Councilwoman Warner, to reduce the lien to $2,500.**

AYES: Parrish, Boisvert, Blake, Furbish, Warner

THE MOTION CARRIED UNANIMOUSLY (5-0)[2]

City Manager Titkanich spoke again on the figure of $700 that Mr. Belden spoke about. He mentioned that this was in relation to what it costs the tax payers and that this represents someone that has been contacted about the potential violation, provided reasonable time to correct the violation, provided subsequent notice, the issue had gone to the Code board, then the Code Board provides time to correct the violation, and then they are liened. In addition, the City tries to prevent further blight and unsafe living conditions. He wanted to clarify this for the public and thanked Community Services for their time in calculating the actual costs for tax payers.

3. Distribution of the FY2015 Popular Annual Finance Report (PAFR). (16-318). (Finance Director)

Ms. Butler explained the PAFR and noted that all information was derived from the audit.

* **MOTION by Councilman Blake; Seconded by Deputy Mayor Boisvert, to approve the item.**

[2] Councilman Furbish exited the meeting at 6:54 p.m.

AYES: Parrish, Boisvert, Blake, Warner

THE MOTION CARRIED UNANIMOUSLY (4-0)

4. Approve a Resolution proclaiming the City's on-going support for strong and comprehensive public anti-corruption laws. (16-321). (City Manager)

City Manager Titkanich provided background to this item, noting that a local resident had established a chapter to represent the City, which is an advocacy group that asked Council to adopt a resolution expressing their support. City Attorney Garganese worked up the resolution being presented tonight.

This Resolution reflects the charter, strategic plan, ethics, Government in the Sunshine, and Florida Statutes.

* **MOTION by Councilman Blake to approve**.

Ms. Melissa Martin, 5404 Brilliance Circle, Cocoa, advised that she was blessed to have her team here and that many others were not able to make it. She explained that this was a local chapter and done in order to create an anti-corruption movement. She believes in the American Dream.

Ms. Martin spoke about how things have changed and spoke about the underlying issues of corruption. If you look around, things are not the same anymore, due to social media, and a long list of causes, provided them all. Government is there to maintain the best interest of the people. She mentioned that by doing this resolution, the City of Cocoa is helping to further the momentum of actions throughout the Space Coast and the State of Florida.

Ms. Martin thanked Council, noting it would be a long journey. Everyone needs sufficient processes in place so that people can live their live and not have to worry about their representatives. She felt compelled to take action.

She believed they would succeed if everyone worked together and hoped others on the Space Coast would also join and work together.

Councilman Blake asked if she was familiar with the Space Coast League of Cities. She was familiar with them and would love to speak at a meeting. Councilman Blake admired her perseverance.

Mayor Parrish agreed with Councilman Blake. He advised her to keep going, and continue pushing hard and reassured her that the City was with her.

Councilwoman Warner thanked Ms. Martin and knew that this had taken a while. She noted that everything started with local government, but somewhere between here and Washington people forgot. She appreciated that Cocoa was the first to get involved and wanted other Brevard County entities to as well.

Mayor Parrish added that the Space Coast League of Cities would also be in agreement.

City Manager Titkanich thanked her for her guidance, understanding, and perseverance on the item. She was very patient and had provided great information.

Councilwoman Warner seconded the motion.

The Vote on the Motion was:

* **MOTION by Councilman Blake; Seconded by Councilwoman Warner, to approve the item.**

AYES: Parrish, Boisvert, Blake, Warner

THE MOTION CARRIED UNANIMOUSLY (4-0)

VIII. CITY BUSINESS:

1. Approve entering into a co-operative agreement with Asphalt Recycling Inc. in the amount not to exceed $200,000 utilizing City of Orlando Bid # IFB12-0022 for Full Depth Reclamation of Fiske Blvd from Highland Ave to Dixon Blvd.; Approve a resolution amending the 2016 budget. (16-309). (Public Works Director)

* **MOTION by Councilwoman Warner; Seconded by Councilman Blake, to approve the item.**

AYES: Parrish, Boisvert, Blake, Warner

THE MOTION CARRIED UNANIMOUSLY (4-0)

2. Approve entering into a co-operative purchase agreement with Goodson Paving (DBA WWG) utilizing Brevard County Bid # B-4-15-57 in the amount not to exceed $200,000 for the paving and striping of Fiske Blvd. from Highland Ave. to Dixon Blvd.; Approve the resolution amending the 2016 budget. (16-313). (Public Works Director)

* **MOTION by Councilman Blake; Seconded by Councilwoman Warner, to approve the item.**

AYES: Parrish, Boisvert, Blake, Warner

THE MOTION CARRIED UNANIMOUSLY (4-0)

MULTI-YEAR CONTRACTS:

3. Approve a multi-year contract between the School Board of Brevard County and the City of Cocoa for renewal of School Resource Officer for the 2016-2017 school years, August 10, 2016 through May 26, 2017 and authorize the City Manager and City Attorney to finalize and execute the contract with the School Board. (16-238). (Chief of Police)

* **MOTION by Councilman Blake; Seconded by Councilwoman Warner, to approve the item.**

AYES: Parrish, Boisvert, Blake, Warner

THE MOTION CARRIED UNANIMOUSLY (4-0)

4. To award Bid #B-16-10-COC, Florida Avenue Streetscape Project, to D.P. Development of the Treasure Coast, LLC, of Cocoa and Pompano Beach, Florida; to approve as a Multi-year, Multi-phase Contract from FY2016 through FY2017 pending approval of the FY2017 Budget; to execute Task Order 2016-01 for construction, engineering and inspection services (CEI) to Quentin L. Hampton (QLH) of Port Orange, Florida; and to approve a resolution to Authorize the City Manager to approve Change Orders on the DP Development Purchase Orders for the Public Works (CD1105), Stormwater (PW08PL), and the Utilities (WS1506) portion; and to approve a resolution amending the FY2016 Budget. (16-266). (Public Works Director)

Mr. Wegerif spoke about the item, noting that it was probably the longest and most complicated item having ever been done. He thanked Charlene Neuterman and Finance for their help with the item.

He clarified that it was an FDOT project and $900,000 had been funded.

*** MOTION by Deputy Mayor Boisvert; Seconded by Councilman Blake, to approve the item.**

AYES: Parrish, Boisvert, Blake, Warner

THE MOTION CARRIED UNANIMOUSLY (4-0)

Ms. Neuterman added that it would take about 240 days beginning October 1, 2016 until approximately June, 2017.

5. To Approve Task Order 2016-75 with CH2M Hill for Utility Privatization Services (Potable Water); To Approve Task Order 2016-40 with CDM Smith for Privatization Services (Wastewater); and to Approve a Resolution Waiving the Competitive Bidding Process for the Purpose of Making a Sole Source Purchase of Modeling and Financial Assistance Services for Privatization Services with Burton and Associates (Hawksley), St. Augustine, Florida; Project No. WS17AF; To Approve as Multi-Year Services from FY2016 through FY2017; Pending Approval of the FY2017; To Approve a Resolution Amending the FY2016 Budget; To Approve a Resolution Authorizing the City Manager to Approve Change Orders in an Amount Not To Exceed $283,806 (Approximately 18.5%). (16-298). (Utilities Director)

Mr. Walsh presented this item and advised that all three firms mentioned in the item have knowledge of Cocoa's system. He mentioned that they were hoping to get a head of the game, noting that the federal government has determined that its is in the best interest to privatize the existing utilities at PAFB and CCAFS. This would be done through a RFQ process.

*** MOTION by Councilman Blake; Seconded by Deputy Mayor Boisvert, to approve the item.**

City Manager Titkanich reminded Council that this had been brought up at the Utilities Workshop and as Mr. Walsh had indicated, there was a business case analysis done by Burton and Associates to see if this was in line with the City's business needs. The analysis came back that it would benefit the city.

He stressed that this would be a competitive bid and it would be a fifty year contract.

AYES: Parrish, Boisvert, Blake, Warner

THE MOTION CARRIED UNANIMOUSLY (4-0)

6. Approve a multi-year agreement with Danella Construction Corporation of Florida, Inc., to install fiber optic cable under the terms and conditions of the City of Palm Coast RFP-IT-13-01 in the amount of $164,505.75, pending FY 2017 budget approval; Approve a resolution to adjust the FY 2016 budget. (16-299). (Assistant City Manager)

Assistant City Manager Fuhrer explained this item, explaining background on where the fiber optic cable goes throughout the City. He mentioned that this would greatly benefit the City, and noted the added benefit of future use such as the Joe Lee Smith Center.

* **MOTION by Deputy Mayor Boisvert; Seconded by Councilwoman Warner, to approve the item.**

AYES: Parrish, Boisvert, Blake, Warner

THE MOTION CARRIED UNANIMOUSLY (4-0)

Councilman Blake asked if this had anything to do with the previous phone issues and if so, would there be assurance that an episode like that would never happen again.

In response, Assistant City Manager Fuhrer explained that the data connection for the phones was through a third party provider. This was not on our data system, and adjustments have been made so that other lines could be used if needed in the future.

7. Approve a multi-year Interlocal agreement between the City of Cocoa and the City of Rockledge for School Crossing Guard Services for the school year commencing August 10, 2016 and ending May 26, 2017. (16-305). (Chief of Police)

* **MOTION by Councilwoman Warner; Seconded by Deputy Mayor Boisvert, to approve the item.**

AYES: Parrish, Boisvert, Blake, Warner

THE MOTION CARRIED UNANIMOUSLY (4-0)

Councilman Blake asked if this agreement included SR 520 and Blake Avenue. In response, City Manager Titkanich advised that service for that was provided by the City and included it the Emma Jewel contract.

IX. INFORMATIONAL AGENDA:

1. Cumulative Purchase Approvals over $25,000 and under $50,000 for the period 10/01/2015 to 06/30/2016. (16-291). (Finance Director)

2. Review of the Employee Health Center usage report provided by CareATC. (16-302). (Administrative Services Director)

3. FY 2016 Budget Adjustment Report. (16-310). (Finance Director)

4. Approved change orders to construction contracts that the City Council has authorized the City Manager, by resolution, to approve in excess of the City Manager's spending authority. (16-311). (Finance Director)

5. Relation between the estimated and actual income and expenses to date. (16-312). (Finance Director)

6. New Local Business Tax Receipts. (16-319). (Community Services Director)

X. REPORTS:

Chief Cantaloupe reminded all of the Family Fun Night being held this Friday, July 29, 2016 on Temple St. and invited all to come out.

Mr. Wegerif advised that US 1 was still making headway and they were still saying it would be completed in August.

City Attorney Garganese announced that he would be attending the Annual City Attorney Conference at the end of the week for several days.

City Manager Titkanich mentioned that he spoke to the Diamond Square RDA about budget priorities and that they had approved their tentative FY2017 budget.

He reminded Council that on Thursday, August 4th at 5:30 p.m. there would be a Budget/CIP Workshop, and if individual members of Council would like would like to meet with him prior to he would be happy to do that.

Additionally, he reminded everyone of the August 9th Regular City Council meeting cancellation, but that a Fire Station #2 Community meeting would be held at the Joe Lee Smith Center in District 1.

City Manager Titkanich spoke about the Ministerial Alliance meeting that he and the Assistant City Manager attended, noting it went well and appreciated everyone's feedback.

Furthermore, he reminded everyone of the District 2 Town Hall Meeting being held in Council Chambers on Tuesday, August 16 at 6 p.m, and of the next City Council meeting on August 23rd.

In closing, City Manager Titkanich revealed the new logo on Council Chambers wall.

Councilman Blake spoke in furtherance about the Ministerial Alliance meeting at Greater St. Paul Baptist Church and felt it was very productive. He enjoyed the diversity of the ministerial staff and advised that sensitive issues such as the Consent Decree and Stone St. were discussed. He stated that with great minds come great actions and believed that something good would come with the enhancement of the area. He commended the City Manager and staff for their presentations.

He spoke of his attendance at an event at the Bill Posey Center, where the keynote speaker was Dr. Blackburn. It was sponsored by County Manager Stockton Whitton. Many organizations throughout the county were represented.

City Manager Titkanich added two items in regards to public schools. Brevard County approved the funding to match the cities and there were many kudos given to Cocoa for stepping up to help the schools. He also congratulated Mr. Rachad Wilson, Endeavor Elementary principal, for being named Brevard County Public School's Principal of the Year.

Councilman Blake advised he was proud of Mr. Wilson.

Councilman Blake further noted that Friday and Monday is Cocoa High School's registration. There are also preparations being done for certain organizations giving out backpacks. He can be contacted for further information.

He welcomed Councilman Furbish home and reminded all to buy local, spend local, and keep it local.

Councilwoman Warner advised that she had been out of town and had missed several events, one of which was the Peachtree St. opening. She apologized to

Mr. Wegerif and congratulated all of the new officers that had been sworn in also at a swearing in ceremony.

She mentioned that while on vacation she got to visit a lot of small towns and one thing they all had in common was diagonal parking, which is one thing she had been advocating for a very long time.

Discussion was held on different areas of the village that would benefit from the diagonal parking.

She took a lot of photos and met with developers and real estate agents and received good information on methods they were using to bring business into their cities and downtowns.

Deputy Mayor Boisvert had been in North Carolina and concurred with Councilwoman Warner on the diagonal parking.

Mayor Parrish reiterated the parking issues on Brevard Avenue, and congratulated Mr. Wilson.

He questioned the status of the entry signs and in response, Mr. Wegerif mentioned they were being produced by the sign manufacturer and will be installed when they were done. In addition, Mr. Wegerif updated Council on the bridge lettering.

Mayor Parrish thanked Mr. Wegerif and his staff for all that they do. He reminded all that projects are in the works but do not just happen. Projects are promoted and then Council likes to receive feedback regarding them. Council appreciates all staff and all citizens and at the end of the day, Cocoa will be a restored, fine city. There is a lot going on in Cocoa in the next four years. All Council agreed with Mayor Parrish.

XI. ADJOURNMENT.

*** MOTION by Deputy Mayor Boisvert; Seconded by Councilwoman Warner, to adjourn the Regular meeting of July 26, 2016.**

AYES: Parrish, Boisvert, Blake, Warner

THE MOTION CARRIED UNANIMOUSLY (4-0)

The meeting adjourned at 7:46 p.m.

_____

Henry U. Parrish III, Mayor

ATTEST:

_____

Carie Shealy, City Clerk





2016 Summer Youth Employment Program



EXHIBIT A: Cocoa Works 2016 Summer Youth Employment Program



Jana Bauer, Career Source Brevard



Councilman Blake during orientation



Resume training during orientation



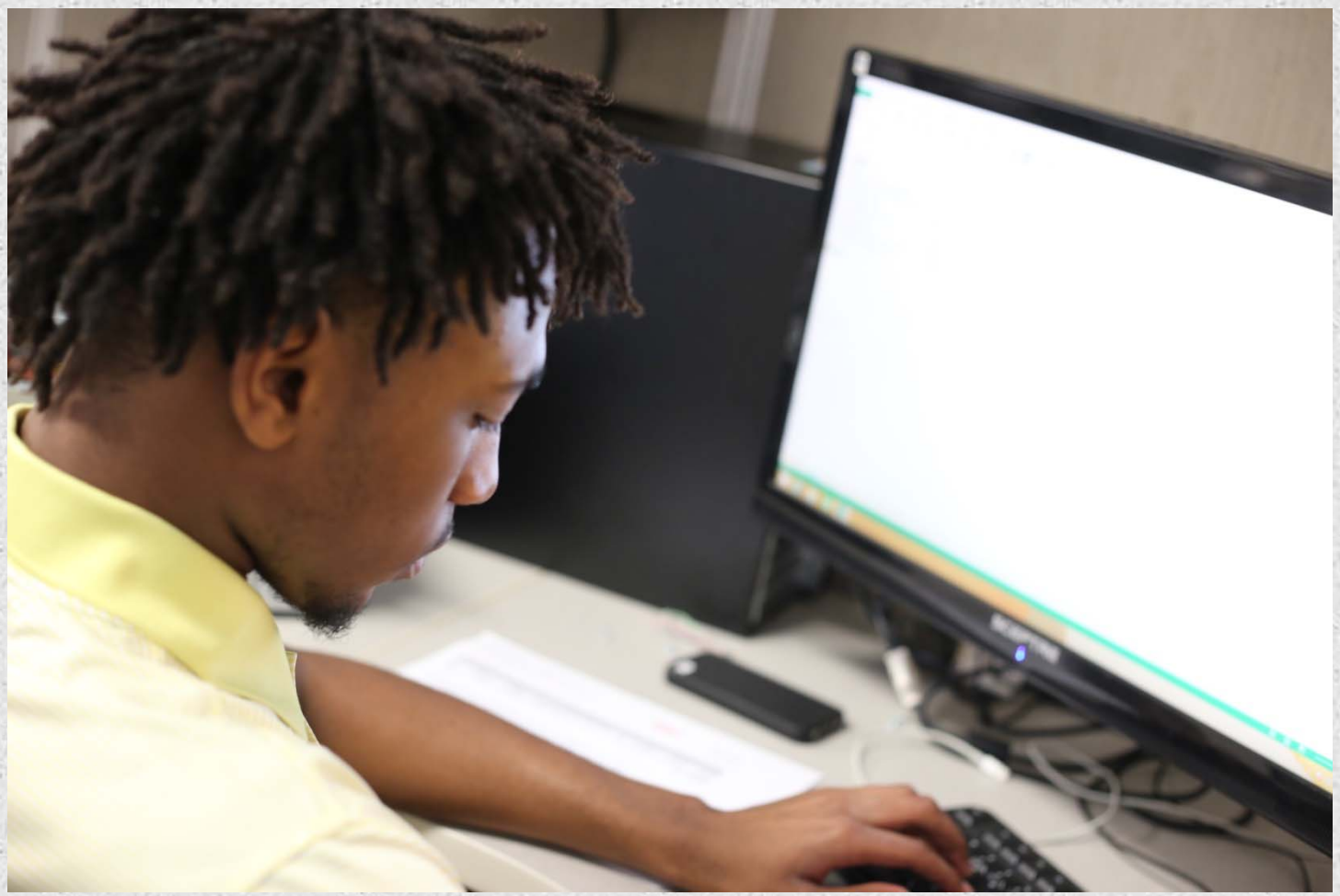
Career training during orientation



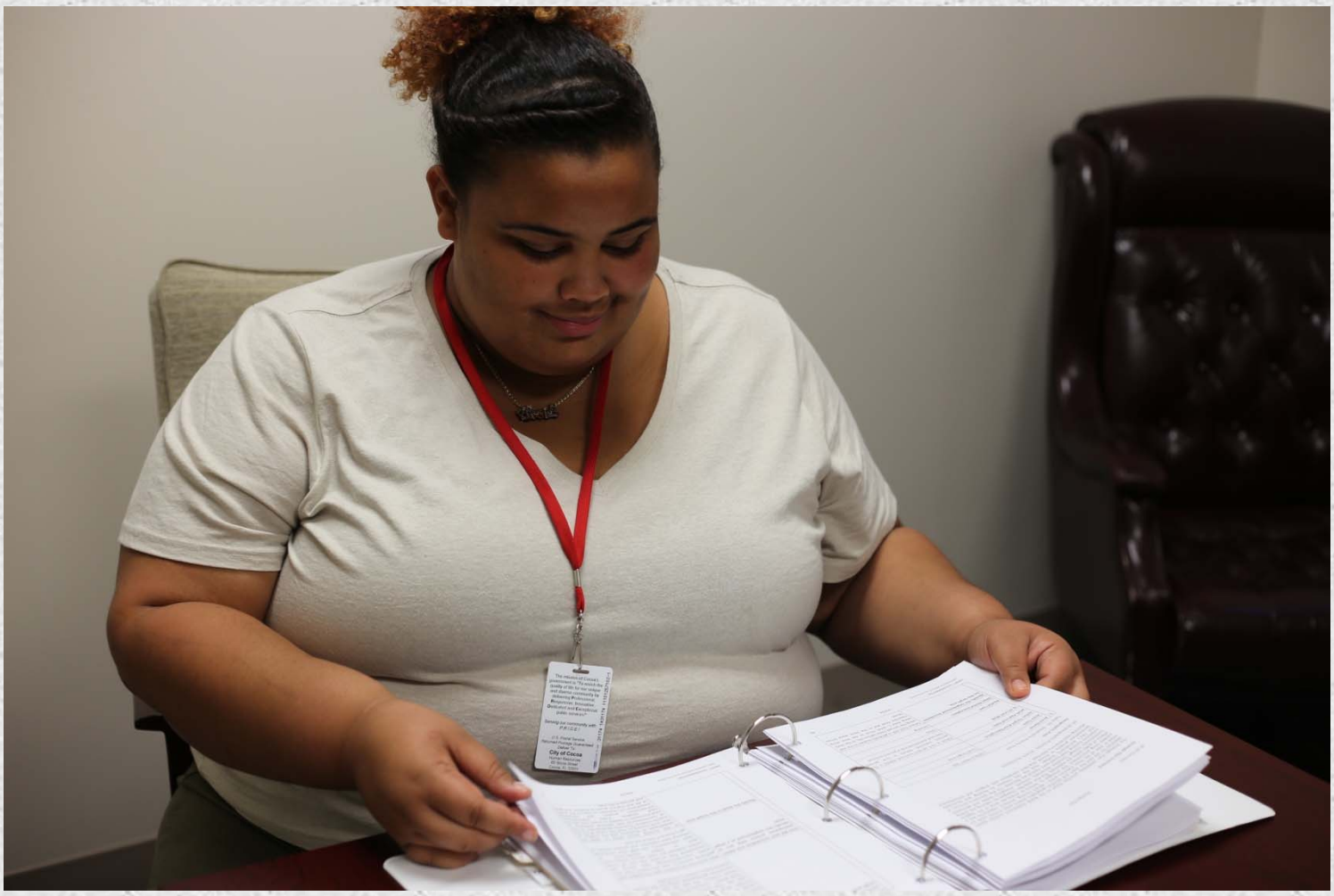
2016 Cocoa Works Youth Employment Group



Amanda Hernandez



Capone Dunn



Alexus Adkins



Shania Harris



Jakara Wilson



Rotashia Singletary



Aliegha Washington



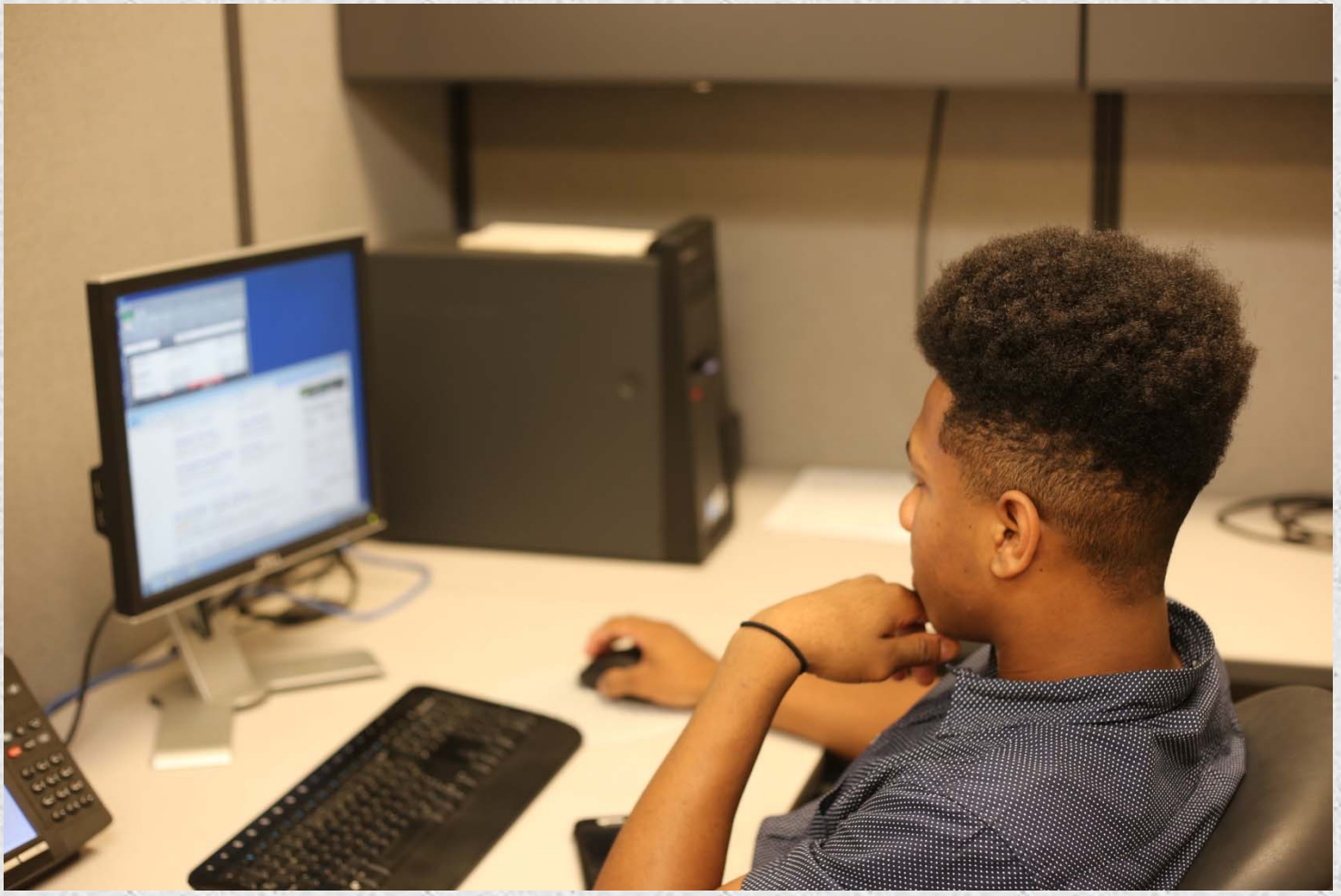
Tyrone Evens



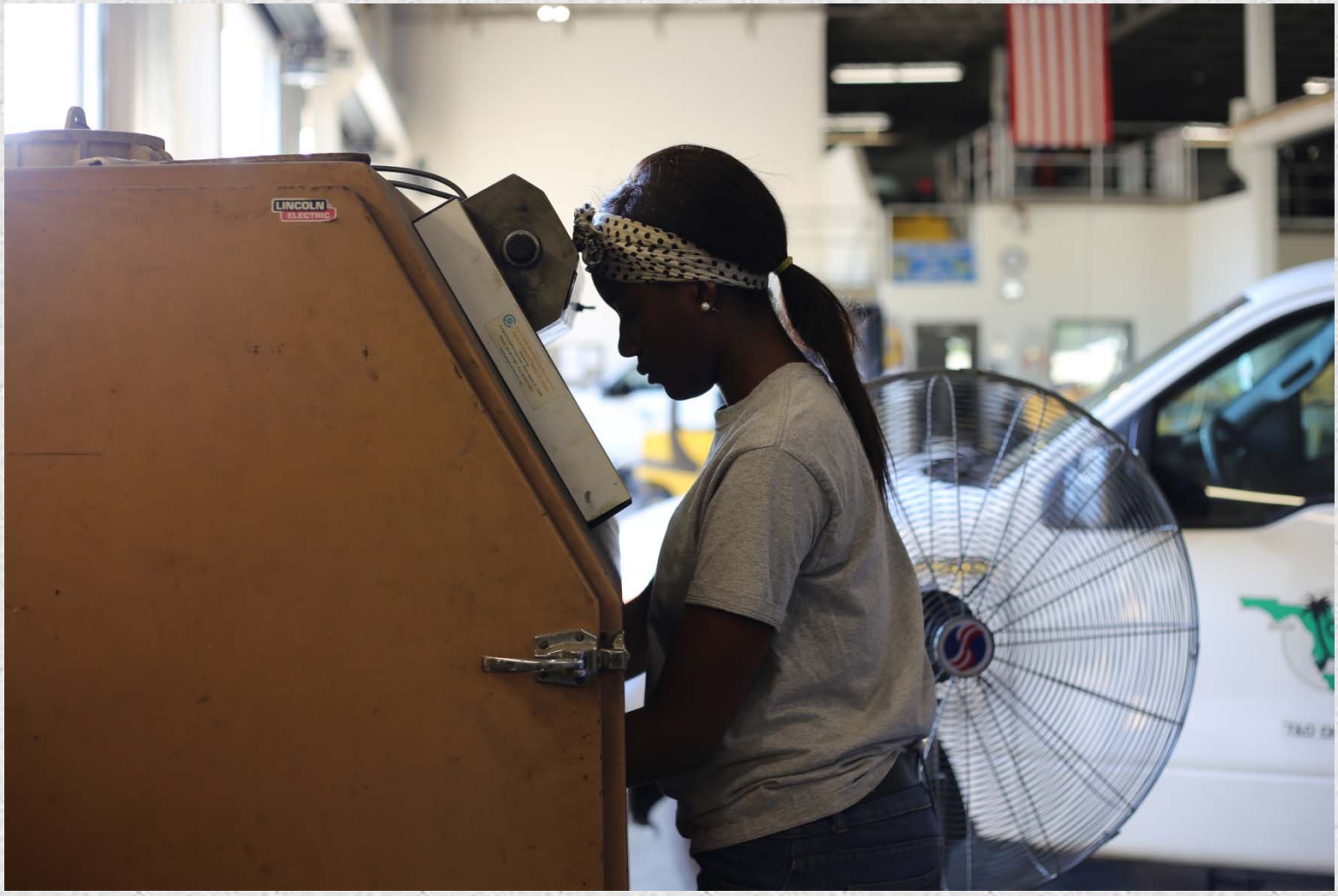
Tyshawn Gamble



Madison Werts



Juvante Hayes



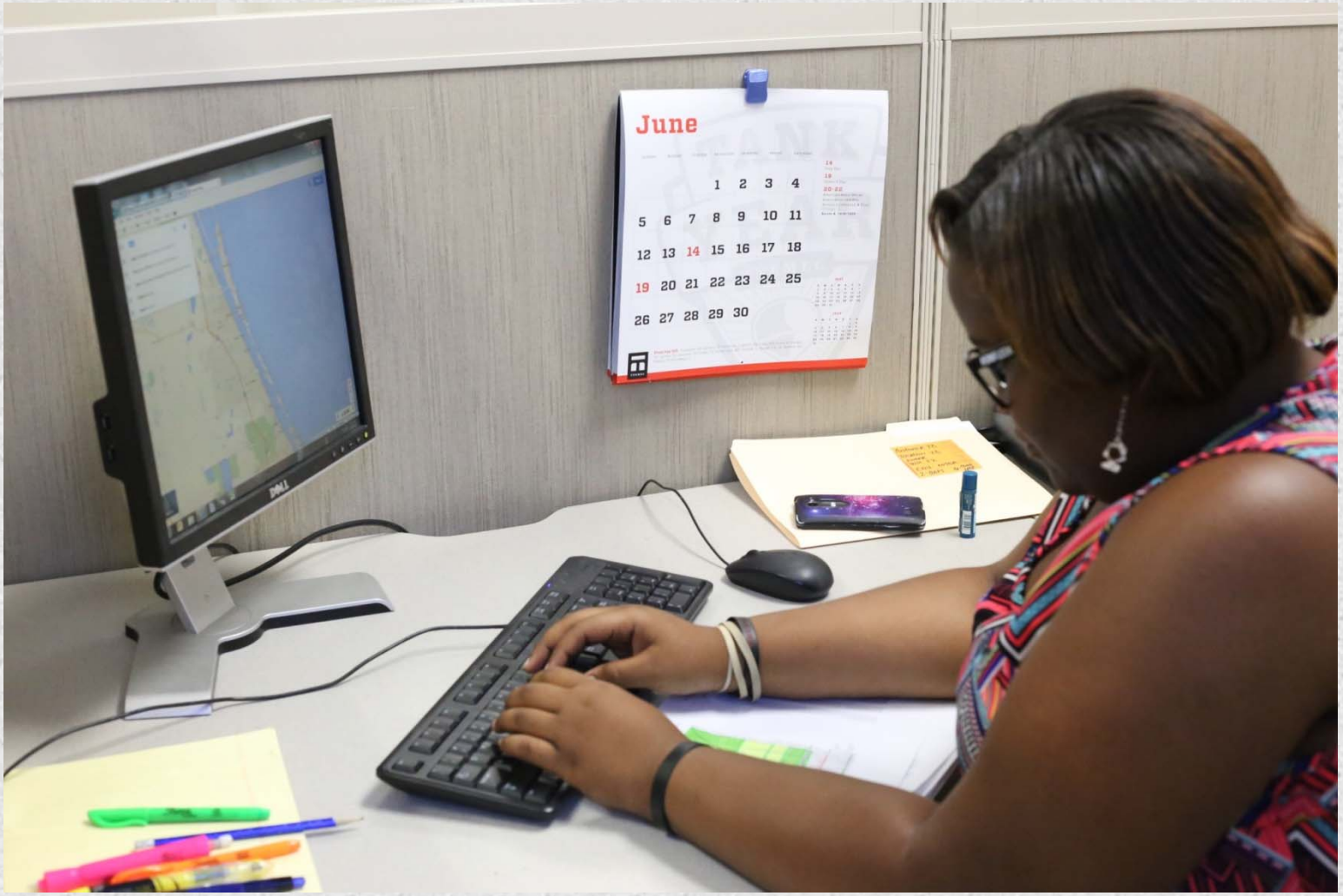
Alondra Jenkins



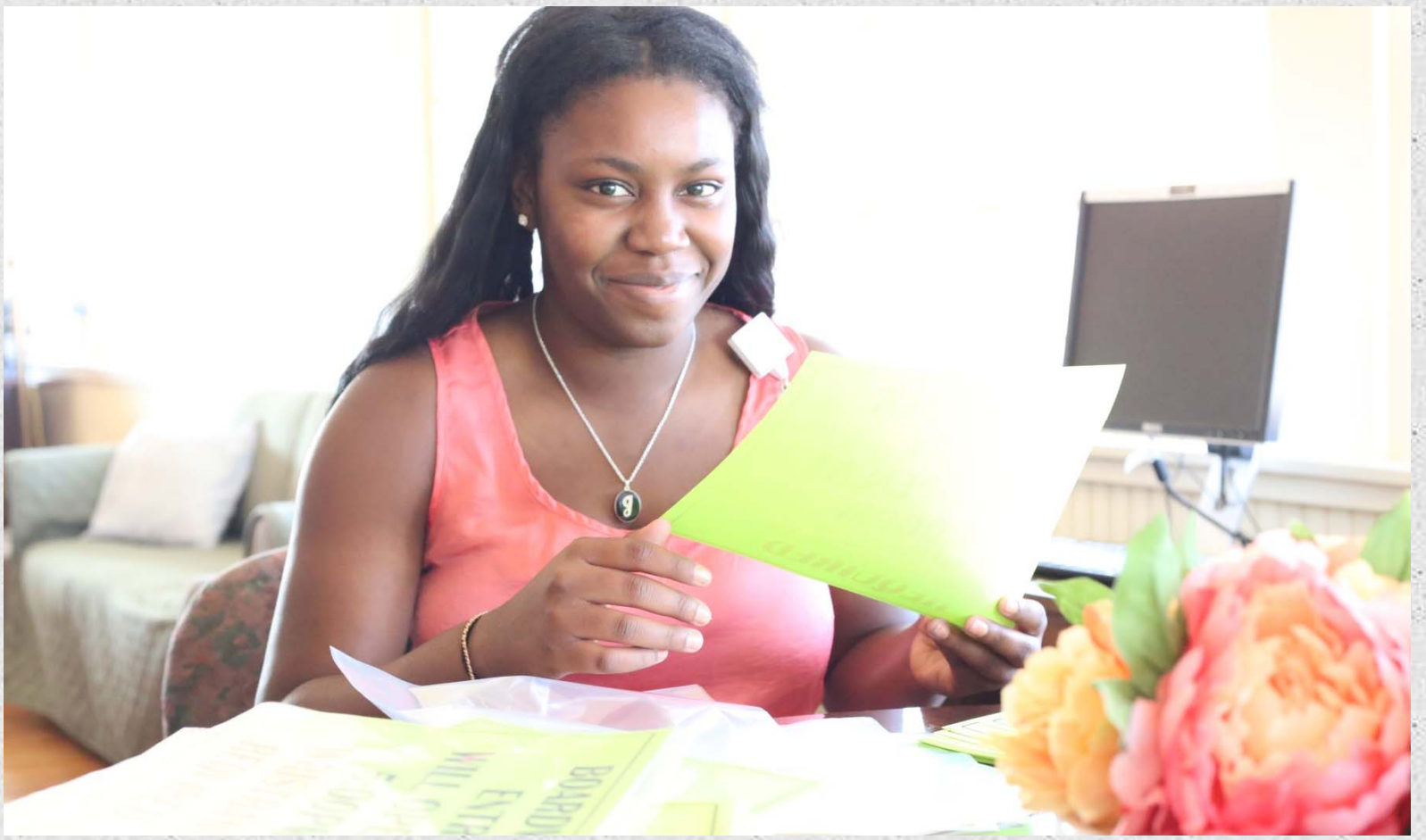
Ahrmezjah Solis



Christopher Knowles



Dysheria Harris



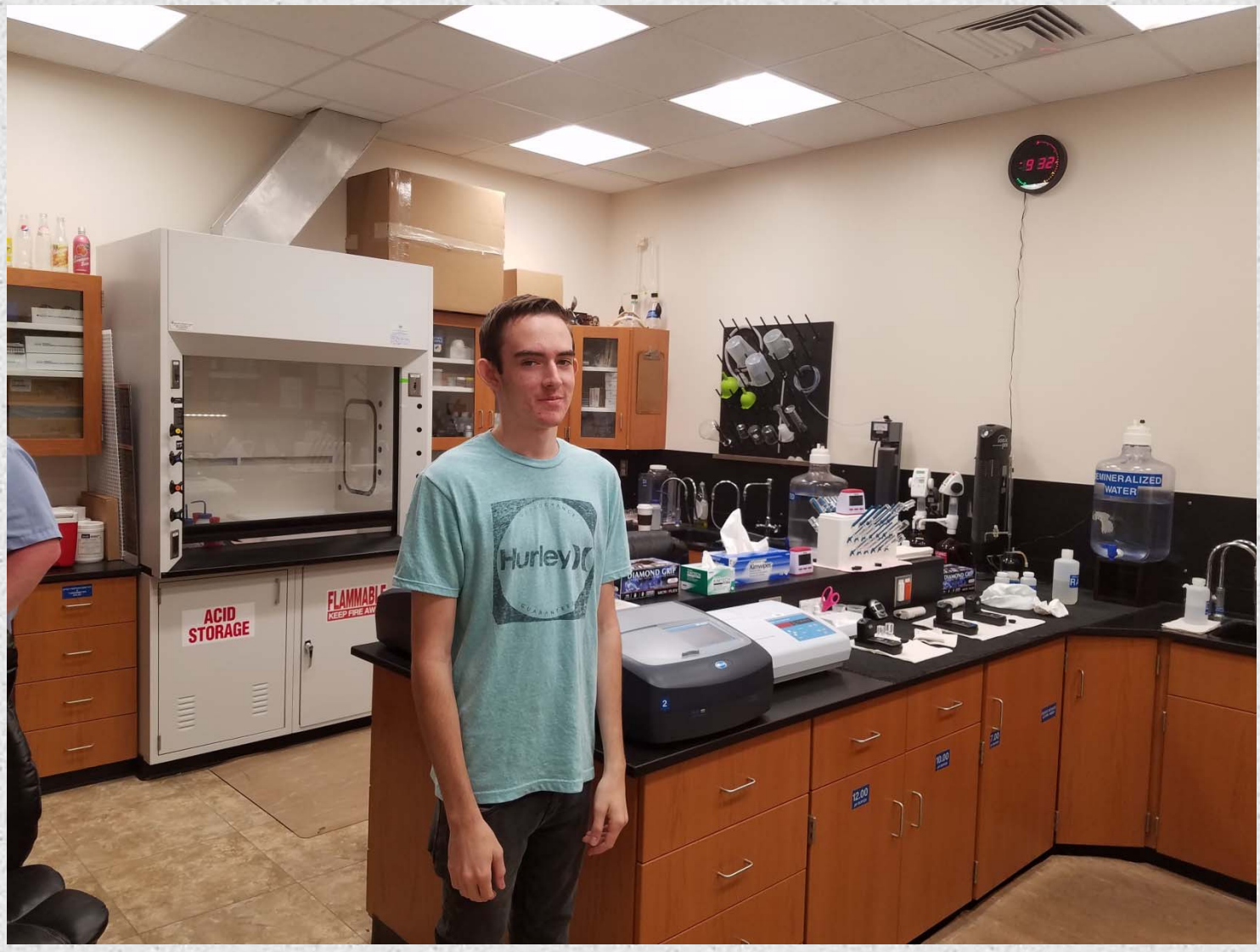
Jada Brown



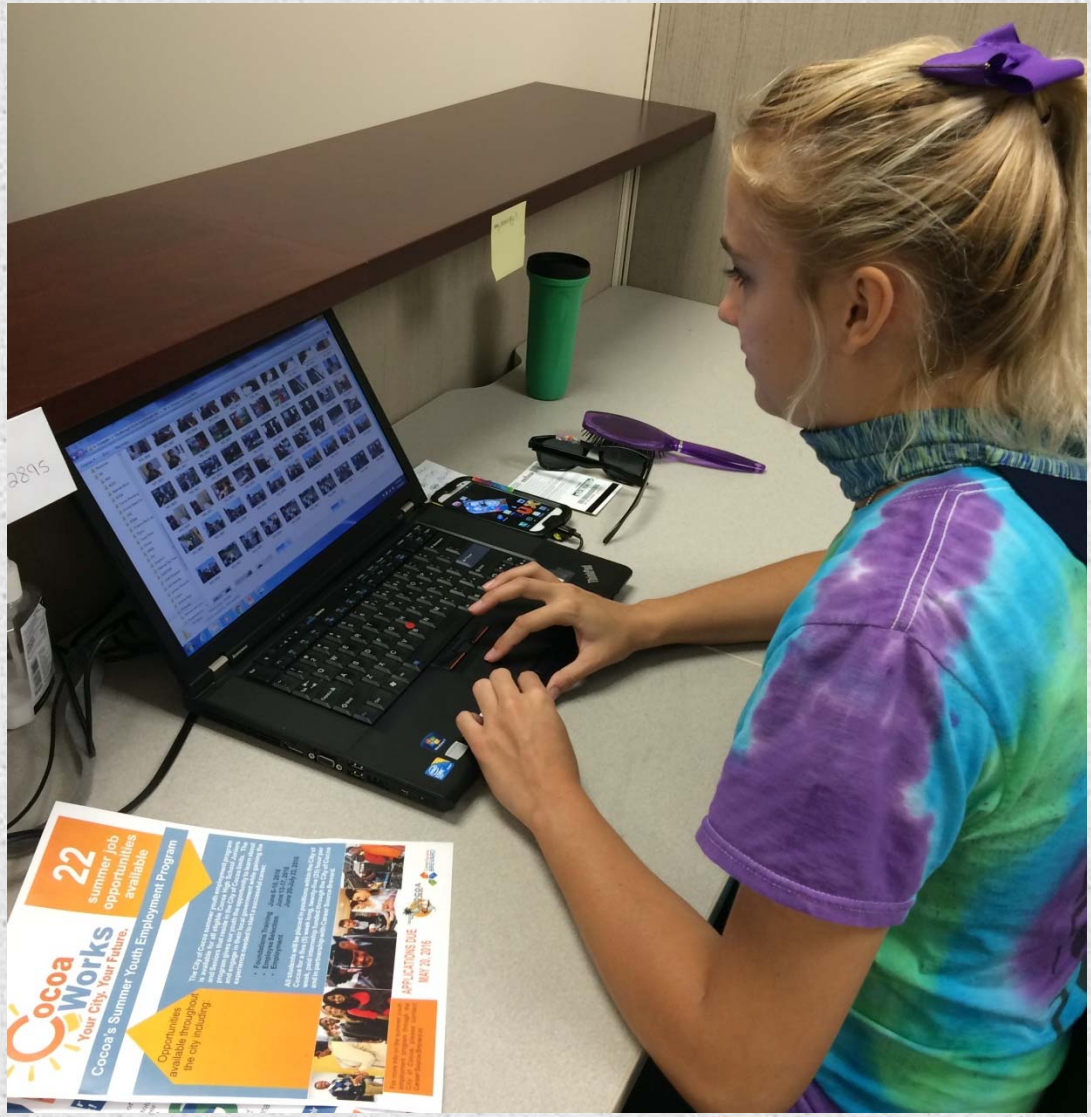
Joey LePage



Jy'Keria Smith



Tobias Walton



Lux “Lindsey” Nankivil



The Utilities Crew

Legislation Details (With Text)

File #:	16-348	**Version:**	1	**Name:**	
Type:	Awards/Presentations			**Status:**	Agenda Ready
File created:	8/9/2016			**In control:**	City Council
On agenda:	8/23/2016			**Final action:**	
Title:	Update on the Sister City's Israel Ambassador Trip. (Sister City)				
Sponsors:					
Indexes:					
Code sections:					
Attachments:					

Date	Ver.	Action By	Action	Result

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Legislation Details (With Text)

File #:	16-337	**Version:**	1	**Name:**	
Type:	Informational Item			**Status:**	Consent Agenda
File created:	8/8/2016			**In control:**	City Council
On agenda:	8/23/2016			**Final action:**	
Title:	Maintain the Current Rate Structure for the Reclaimed Water System. (Utilities Director)				
Sponsors:					
Indexes:					
Code sections:					
Attachments:					

Date	Ver.	Action By	Action	Result

CITY COUNCIL AGENDA ITEM

Memo Date: August 8, 2016
Agenda Date: August 23, 2016
Prepared By: Norma E. Hernandez, Administrative Assistant
Through: John A. Walsh, P.E., Utilities Director
Requested Action:
Maintain the Current Rate Structure for the Reclaimed Water System

BACKGROUND:

In June of 1989, the City of Cocoa adopted Ordinance 9-89 that established an alternative non-potable water system henceforth known as the reclaimed water system and established fees to charge customers. The City of Cocoa created the reclaimed system to comply with legislation passed to protect the Indian River Lagoon. In August of 1991, Resolution 91-12 was passed that adjusted the original rates. The ordinance also included language that specifically provides that Cocoa Council may establish, or amend from time to time, the connection charges and rates for the alternative water supply.

Original connection charges were based on the linear footage of the property facing the road. Connection charges were soon revised so that they were based on the size of the connection. This is how it is done to this day. From 1991 through 2015, the City of Cocoa Council has amended rates and charges seven times (see the inset table below):

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Ord. or Res.	Date Signed	Comments
Ord. 9-89	6/27/1989	Created the Alternative Non-Potable Water Supply (later ren usage rate for connections smaller than 2 inches at $10.00/n Tracts larger then 1/2 acre were charged $3.00/month for ea inches and larger were metered and billed $0.40 per 1,000 g
Res. 91-12	8/27/1991	Included the wording, "WHEREAS, Section 22-41 of the Coco council may establish, or amend from time to time, the conn alternative water supply; and." Changed the usage rate to $1 plus $5.00/month for each 1/2 irrigated acre over 1 acre. Co billed $0.20 per 1,000 gallons, but no less than $15.00. Non-i 1,000 gallons, but no less than $15.00
Ord. 11-93	9/28/1993	Set connection charge as "$4.50 per front foot of property w along the frontage which is identified by street address." But
Ord. 17-93	11/23/1993	Did away with $4.50 per front foot connection charge, set co $300.00 for 1", $400.00 for 1.5" and $600.00 for 2". Changed tracts 1/2 acre or less. Tracts larger then 1/2 acre were charg 1/2 acre. Connections larger than 1 inch were metered and b less than $15.00. Non-irrigational uses were billed $0.40 per
Res. 2003-24	2/25/2003	Changed the usage rate to $6.00/month for tracts 1/2 acre o were charged $6.00/month for each additional 1/2 acre. Cor metered and billed $0.25 per 1,000 gallons, but no less than billed $0.40 per 1,000 gallons, but no less than $15.00
Ord. 5-2008	3/11/2008	Changed the name Alternative Water Supply System to Recla of Ordinances Chapter 22, Sec. 22-41.1 in its entirety. Establi system connection charges and rates would be accomplished
Res. 2008-87	8/26/2008	Introduced tiered structure for reclaimed water rates. Set us $6.00 per month, including the first 30,000 gallons, $0.40 for thousand gallons. Provided for an annual adjustment of rate
Res. 2010-91	12/14/2010	Changed the usage rate for 3/4" & 1" meters from $5.92 per rate from $0.39 to $0.44, 3rd tier rate from $0.59 to $0.65. P rates of 5% per year effective October 1, 2011
Res. 2015-96	9/8/2015	Changed usage reate for 3/4" & 1" meters from $7.78 per m from $0.53 to $0.55, 3rd tier from $0.78 to $0.80. Provided f 3% per year effective October 1, 2016

Based on the above listed information, the rates and charges were established by Council and have been amended by Council since the inception of the reclaimed system. There appears to be no ambiguity in the establishment of the reclaimed system or the ability of Cocoa Council to amend rates and connection charges. The City has received numerous inquiries in the past related to a “lifetime guarantee” of reuse water service for five dollars a month. Staff has conducted a review of all special public meeting minutes, Utility Advisory Board minutes as well as City Council meeting minutes and could not find reference to a five dollar lifetime guarantee. In addition, a “lifetime guarantee” could limit the utilities ability to maintain the existing system as well as expand while in the future potentially facing more stringent effluent discharge regulations.

The current monthly fee for reclaimed water use is based on usage from 0 - 30,000 gallons. This is the first tier and unlike the potable water rate which is broken into a fixed monthly charge and a variable charge based on use, the reclaimed rate is a single fee that includes both the variable cost up to 30,000 gallons and a fixed cost which constitutes the readiness to serve cost. Above the

30,000 gallon use there is an additional variable rate applied based gallons used beyond the first tier 30,000 gallons. The fixed base rate component, also known as the readiness to serve cost, is a fixed cost that the utility incurs regardless of whether reclaimed water is used or not.

Note, the tiers are generously established to encourage conservation in establishing a very large first tier. This benefits the customer whereby they feel there is a generous portion for a relatively small cost. By way of using the reclaimed water for irrigation, the potable water that may have been used for irrigation becomes available for use in the potable system.

Developing and using a reclaim water system is also a benefit to the Indian River Lagoon. The Sellers Plant has an existing permit for discharge into the Indian River Lagoon. However, the goal is to provide advanced treated effluent in the form of reclaimed water to the customers in Cocoa. If not for our advanced treatment of effluent from the water treatment plant and its use by customers and the creation of the Bracco pond system and the reclaim distribution system, the effluent would be discharged to the lagoon on a much more frequent basis.

Ultimately, there are many variables that directly affect the ability to provide reclaimed water to our customers such as; variable volume of effluent waste available, chemical and biological treatment processes at the plant, seasonal use, rainfall, and unpredictable demands of the customers that can have adverse effects on pressure. Within Brevard County, the City of Cocoa system is one of the few that does not regulate usage based on the date and time the customer desires.

Staff has been directed to look into the current policies established and adopted by City Council in regards to the reclaimed system. Currently, our Utilities Handbook is adopted by Council and establishes the policies and procedures of the Utilities Department. It states that service is not guaranteed and that the city is not liable for want of supply.

Research was conducted of other municipalities to compare the City of Cocoa's policy with the surrounding municipalities. The table below summarizes the policies. Six adjacent municipalities are listed and there is not a single policy that allows for reimbursement. Each municipality has its own language but the consistent message is the same; no reimbursements are offered.

City	Current Policy	Article	Reimbursement

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Cocoa	Does not guarantee uninterrupted service.	Utilities Handbook, 1.4 Limits of Liability: The Utilities Department will use reasonable diligence to provide dependable service but does not guarantee continuous and uninterrupted service. The City is not liable for want of supply or for any occurrence, act, or omission caused directly or indirectly by mechanical failure of equipment and/or facilities; repairs or adjustments to its system; riots, strikes, civil unrest, insurrections; accident; litigation; interference by Federal, State, or municipal governments; acts of God; acts of the public enemy; or any other cause beyond the control of the Utilities Department. The City reserves to itself full discretion in reducing the amount of water available, in serving some customers to the exclusion of others, or, if necessary, in discontinuing water, reclaimed water, or waste water services.	No
Titusville	Does not guarantee uninterrupted service.	Code of Ordinances, Chapter 21, Article VI, Sec. 21-295 Service Interruptions: The city reserves the right to temporarily discontinue service to any portion of, or the entire, reclaimed water system as deemed necessary by the administrator. The administrator shall have the authority to establish schedules to control the use of the water reuse system in order to reduce maximum pressure demands on the system and to regulate usage of reused water to balance with supply and storage availability.	No
Cape Canaveral	Does not guarantee uninterrupted service.	Reclaimed Water Application: It is further agreed that each customer of Reclaimed Water shall not have any recourse against the City for the loss of Reclaimed Water supply due to main distribution system down times, or for damage to vegetation or any other damages occasioned by use of the Reclaimed Water.	No

Cocoa Beach	Does not guarantee uninterrupted service.	Code of Ordinances, Chapter 19, Sec. 19-10. - a) Promulgation and regulations. The city manager may when necessary for the efficient operation of the reclaimed water system or for the health or safety of the general public or the customer, establish regulations regarding the following matters which regulations shall become effective at the time of promulgation without the need for city commission approval: 1) The time(s) of day or night and the number of days per week during which the reclaimed water may be used by customers. 2) The maximum number and type of uses of the reclaimed water. Reclaimed Water is not a refundable utility, meaning that when reclaimed water is not available, a refund is not due to the user.	No
Rockledge	Does not guarantee uninterrupted service.	Code of Ordinances, Chapter 17, Sec. 17-30. - Interruption of service by city. The city reserves the right to temporarily discontinue service to any portion of, or the entire reclaimed water system, as deemed necessary by the director. The director shall have the authority to establish schedules which restrict the use of the reclaimed water system at certain times in order to reduce maximum demands on the system and to regulate usage during periods of limited reclaimed water availability. Sec. 17-56. - Conditions of use. Each customer of the water reclamation system shall not have any recourse against the city for the loss of reclaimed water supply due to distribution system down times, or for damage to vegetation or any other damages occasioned by use of the reclaimed water.	No

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Melbourne	Does not guarantee uninterrupted service.	Code of Ordinances, Chapter 58, Article 1, Sec. 58-4. - Liability of city for supply. The city assumes no responsibility to the consumer as to quantity, quality or uninterrupted supply of water, both potable and reuse, and uninterrupted disposal of sewage. The city reserves to itself full discretion in reducing the amount and quantity of water available, in serving some consumers to the exclusion of others or, if necessary, the discontinuance of water and sewage disposal service.	No
Palm Bay	Does not guarantee uninterrupted service.	Code of Ordinances, Title XX: Utilities Code, Chapter 202, 202.10 USE OF RECLAIMED WATER, (D) The Palm Bay Utilities will monitor reclaimed water connections so as not to exceed the capacity of the system. It is the intent of the Palm Bay Utilities to maximize the use of reclaimed water. However, at times it may be necessary to limit a customer's use of reclaimed water. Notwithstanding any provision of this chapter to the contrary, the Palm Bay Utilities makes no representation as to the continuing availability or implementation of reclaimed water service within the service area.	No

Based on the above summary of policies, it is clear that no other municipality provides reimbursement or asserts that their reclaim system is fully reliable. The reclaim water system provides an environmental benefit to the Indian River Lagoon as well as to customers at a very low cost.

Options:

1. Do not change the current policy; do not reimburse customers as service cannot be guaranteed.

2. Adopt a new policy to allow for reimbursements with specific criteria to be met to qualify for a reimbursement. Customer Service would have many challenges managing this request and the outages and an increase use in staff time. The Billing Department would also see an impact in increased claims and reimbursements to be tracked to customer accounts and an increase use in staff time. Utilities would see a loss in revenue due to reimbursements, but would still have the costs associated with providing the service such as chemicals, salaries, repair parts, fuel etc. Utilities would also have an increased use of staff time associated with

work orders and verifying information related to claims.

The current policy specifically and adequately addresses the city's limits of liability and identifies that the city will use due diligence in providing uninterrupted service but does not guarantee uninterrupted or continuous service. Staff strongly recommends no changes and recommends Option #1.

On July 27, 2016, during its regular meeting, Utilities Advisory Board members were provided information on the reclaimed water system. Staff requested a recommendation from the UAB members. Mr. David Jollay, Board Member, motioned to accept Option #1 to not change the current policy; Chairperson Lorraine Koss seconded the motion. All members were in favor to keep the current reclaimed water policy in place.

STRATEGIC PLAN CONNECTION:

N/A

BUDGETARY IMPACT:

Budgeted	N/A
If not budgeted, is amendment/transfer attached?	N/A

PREVIOUS ACTION:

None

RECOMMENDED MOTION:

For information only.

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Legislation Details (With Text)

File #:	16-352	**Version:**	1	**Name:**	
Type:	Informational Item			**Status:**	Consent Agenda
File created:	8/10/2016			**In control:**	City Council
On agenda:	8/23/2016			**Final action:**	
Title:	Approve a one year policy for Workers' Compensation Specific Excess Insurance with Safety National Casualty Corporation for the period of October 1, 2016 through September 30, 2017, with an estimated premium of $126,127, pending approval of the FY2017 budget. (Administrative Services Director)				
Sponsors:					
Indexes:	benefits, workers compensation				
Code sections:					
Attachments:	Historical Policy Information Excess Worker's Compensation Quote.pdf Current Policy Endorsements.pdf				

Date	Ver.	Action By	Action	Result

CITY COUNCIL AGENDA ITEM

Memo Date: August 10, 2016
Agenda Date: August 23, 2016
Prepared By: Deane Mills, Safety / Risk Coordinator
Through: Tammy Gemmati, Administrative Services Director
Requested Action:
Approve a one year policy for Workers' Compensation Specific Excess Insurance with Safety National Casualty Corporation for the period of October 1, 2016 through September 30, 2017, with an estimated premium of $126,127, pending approval of the FY2017 budget.

BACKGROUND:

The City has been insured for our excess workers' compensation coverage with Safety National Casualty Corporation through Re-Ex Insurance Brokers, LLC since October 1, 2012. The current policy expires September 30, 2016. Excess coverage is designed to protect our City from "unexpected" high-cost Workers' Compensation claims. The current policy includes "statutory" limits (unlimited), specific retention of $650,000, and a rate of $0.6309 per $100 of payroll. The City is self-insured up to the specific retention amount on all claims. Once a claim reaches this threshold, the claim is paid by the excess carrier.

A one year renewal proposal has been extended by Safety National that includes a continuation of the same "statutory" limits, specific retention of $650,000 per claim, and a rate of 0.6240 (a decrease of .0069). The proposal represents an annual estimated premium of $126,127 (based on estimated annual payroll).

Re-Ex Insurance Brokers also tested the excess workers' compensation insurance market and solicited quotes from three other national carriers. All three of the carriers declined to quote for various reasons. The majority of the solicited carriers have a higher minimum retention, which would be a higher risk to the City.

The attachment provides details of the Excess Workers' Compensation proposals presented by Re-Ex Insurance Brokers.

STRATEGIC PLAN CONNECTION:

Renewal of the policy through Safety National will provide Financial Stability to our self-insured Workers' Compensation fund, and will allow the City to control expenses.

BUDGETARY IMPACT:

Budgeted	Yes
If not budgeted, is amendment/transfer attached?	N/A

Amount Requested	$138,000.00
Account Number	520-1801-513.31-00
Account Name	Professional Services

The attached quote from Safety National is an estimate based on projected FY2017 payroll figures. The amount budgeted is $138,000 to cover expenses when the annual payroll is audited for actual numbers.

PREVIOUS ACTION:

The City Council, at its September 22, 2015 meeting, approved a one year policy with Safety National Casualty Corporation for the period of October 1, 2015 through September 30, 2016.

RECOMMENDED MOTION:

Approve a one year policy for Workers' Compensation Specific Excess Insurance with Safety National Casualty Corporation for the period of October 1, 2016 through September 30, 2017, with an estimated premium of $126,127, pending approval of the FY2017 budget.



CITY OF COCOA
Historical Policy Information

Policy Period	Policy Number	Self Insured Retention	Specific Limits	Employers Liability Limits	Carrier	Total Audited Payroll	Rate (per $100 of Payroll)	Excess Premium	Rate Increase/ Decrease
10/1/02-03	647716	500,000	25,000,000	1,000,000	ERC	14,590,622	0.2111	30,801	
10/1/03-04	EWC005156	750,000	25,000,000	1,000,000	Midwest	15,895,665	0.6188	98,362	193.13%
10/1/04-05	EWC005156	750,000	25,000,000	1,000,000	Midwest	14,963,260	0.6962	104,174	12.51%
10/1/05-06	W-128589847	750,000	Statutory	1,000,000	C N A	15,555,730	0.6005	93,412	-13.75%
10/1/06-07	EWC007751	750,000	Statutory	1,000,000	Midwest	17,151,253	0.6005	102,993	0.00%
10/1/07-08	EWC007751	750,000	Statutory	1,000,000	Midwest	17,842,698	0.5825	103,934	-3.00%
10/1/08-09	EWC007751	600,000	Statutory	1,000,000	Midwest	18,974,582	0.6433	122,063	10.44%
10/1/09-10	EWC007751	500,000	Statutory	1,000,000	Midwest	19,645,764	0.6666	130,959	3.62%
10/1/10-11	EWC007751	500,000	Statutory	1,000,000	Midwest	18,577,561	0.6666	123,838	0.00%
10/1/11-12	SP4044872	500,000	Statutory	1,000,000	Safety	17,438,529	0.5916	103,168	-11.25%
10/1/12-13	SP4047185	500,000	Statutory	1,000,000	Safety	17,785,345	0.7779	138,352	31.49%
10/1/13-14	SP4049577	650,000	Statutory	1,000,000	Safety	17,166,172	0.6305	108,233	-18.95%
10/1/14-15	SP4051748	650,000	Statutory	1,000,000	Safety	19,623,941	0.6305	123,729	0.00%
10/1/15-16*	SP4053844	650,000	Statutory	1,000,000	Safety	*17,983,018*	0.6309	113,455	0.06%
10/1/16-17*	SP4053844	650,000	Statutory	1,000,000	Safety	*20,212,659*	0.6240	126,127	-1.09%

**Italicized payroll figures are estimates - not yet audited.*

CITY OF COCOA

EXCESS WORKERS' COMPENSATION QUOTES

8/4/2016

		Current Program	Current Progam with Updated Payrolls	Renewal Option
Estimated Annual Total Payroll		**$17,983,018**	**$20,212,659**	**$20,212,659**
Estimated Annual Manual Premium		$596,847	$677,156	$677,156
Policy Term		1 year	1 year	1 year
Specific Retention		**$650,000**	**$650,000**	**$650,000**
Specific Limit	W.C.	Statutory	Statutory	Statutory
	E.L.	$1,000,000	$1,000,000	$1,000,000
Rate (per $100 of Payroll)		**0.6309**	**0.6309**	**0.6240**
Terrorism Charge		Included	Included	Included
Total Policy Premium		**$113,455**	**$127,522**	**$126,127**
Minimum Policy Premium		$102,110	$114,769	$113,514
Carrier		Safety National Casualty Corporation	Safety National Casualty Corporation	Safety National Casualty Corporation
Carrier's A.M. Best Rating		**A+, XIV**	**A+, XIV**	**A+, XIV**

Notes

Safety National's renewal option includes the same limits & SIR as expiring with a rate decrease of 1.1%.

Other Markets:

1. **Midwest** declined to quote due to uncompetitive pricing.
2. **Arch** declined to quote due to their minimum SIR ($750,000) for police and fire and uncompetitive pricing.
3. **NY Marine** declined to quote due to their minimum SIR ($750,000) for police and fire, minimum SIR ($1,000,000) for presumptive claims and uncompetitive pricing.
4. **State National** was not approached due to their inability to write this class of business.
5. **Travelers** was not approached due to the City's TPA not being a nationally approved TPA and their minimum premium at $150,000.
6. **ACE** was not approached due to their minimum SIR for police and fire being $1,000,000 and their minimum premium at $150,000.

1004 00 1105 (XWC)FL

Endorsement Schedule

EMPLOYER: CITY OF COCOA

Policy No: SP 4053844

Effective Date: **12:01 A.M.** October 01, 2015

Number	Title
0291 06 0306 (XWC)	VOLUNTARY COMPENSATION ENDORSEMENT
1061 12 0115 (XWC)	FLORIDA TERRORISM RISK INSURANCE PROGRAM REAUTHORIZATION ACT ENDORSEMENT

0291 06 0306 (XWC)

ENDORSEMENT

VOLUNTARY COMPENSATION ENDORSEMENT

Effective 12:01 A.M., Local Time, October 01, 2015

In consideration of the payment of premium and adherence by both parties to the terms of this Agreement, it is hereby understood and agreed that this Endorsement adds voluntary compensation insurance to this Agreement as follows:

A. Coverage

It is the intent of this endorsement to extend the coverage provided by this Agreement to non-compensated volunteer Employees (other than those already considered Employees by Florida law), provided coverage operating at the direction of the EMPLOYER, as if the non-compensated volunteer Employees were subject to the Workers' Compensation and Employers' Liability Laws stipulated in the Schedule below, even though these laws may not require payment of benefits to such non-compensated volunteer Employees.

This insurance applies to Loss sustained by the EMPLOYER because of bodily injury and occupational disease, including death resulting therefrom, due to Occurrences taking place within the Liability Period of this Agreement.

1. The bodily injury or occupational disease must be sustained by a non-compensated volunteer Employee included in the group of non-compensated volunteer Employees described in the Schedule.

2. The bodily injury or occupational disease must occur in the course of employment necessary or incidental to work in a State listed in the Schedule.

3. The bodily injury or occupational disease must occur in the United States of America, its territories or possessions or Canada and may occur elsewhere if the non-compensated volunteer Employee is an American or Canadian citizen temporarily away from their home country.

B. Indemnification

The CORPORATION will indemnify the EMPLOYER for Loss in satisfaction of statutory benefits that would be imposed if the EMPLOYER and non-compensated volunteer Employees described in the Schedule were subject to the Workers' Compensation Law shown in the Schedule. Naturally, indemnification for any such Loss is subject to the Self-Insured Retention Per Occurrence, Loss Fund(s) and Maximum Limit(s) of Liability as specified in the Declarations.

C. Exclusions

This insurance does not cover:

1. Any obligation imposed by a workers' compensation or occupational disease law, or any similar law.

2. Bodily injury intentionally caused or aggravated by the EMPLOYER.

ENDORSEMENT (CONTINUED)

D. Before Indemnification

Before the CORPORATION indemnifies the EMPLOYER, the injured non-compensated volunteer Employee, or his legal representative in the case of his incapacity or death, must:

1. Release the EMPLOYER and the CORPORATION, in writing, of all responsibility for the injury or death.

2. Transfer to the EMPLOYER and the CORPORATION their right to recover from others who may be responsible for the injury or disease.

3. Cooperate and do everything necessary to enable the EMPLOYER and the CORPORATION to enforce the right to recover from others.

If the injured non-compensated volunteer Employee, or his legal representative(s), fails to perform as required above, or if they claim damages from the EMPLOYER or the CORPORATION for the injury or disease, the CORPORATION'S duty to indemnify the EMPLOYER is immediately terminated.

E. Recovery From Others

If the CORPORATION makes a recovery from others, the CORPORATION will keep an amount equal to its expenses of recovery and the Loss paid by the CORPORATION. The CORPORATION will pay the balance to the parties entitled to payment. If the parties entitled to the benefits of this insurance make a recovery from others, they must reimburse the CORPORATION for the Loss previously paid by the CORPORATION to such parties.

F. Employers' Liability Insurance

Employers' Liability Insurance applies to Loss covered by this endorsement as though the State of employment shown in the Schedule were shown in Item 2 of the Declarations.

G. Premium

It is agreed that all persons who donate their services to the EMPLOYER will be reported for purposes of premium computation at an hourly wage of $7.25 per hour minimum, unless the work they do is similar to the work being done by a paid Employee who is receiving more than a $7.25 per hour wage, in which event the wage reported for the non-compensated volunteer Employee will be the same as the wage reported for the paid Employee.

SCHEDULE

Employees	State of Employment	Designated Workers Compensation Law
Non-compensated volunteer Employees, while not subject to any Workers' Compensation Law	FLORIDA	State(s) of FLORIDA

0291 06 0306 (XWC)

ENDORSEMENT (CONTINUED)

All other terms, conditions, agreements and stipulations remain unchanged.

Attached to and forming a part of Excess Workers' Compensation and Employers' Liability Insurance Agreement No. SP 4053844, issued by SAFETY NATIONAL CASUALTY CORPORATION of St. Louis, Missouri to CITY OF COCOA, dated October 01, 2015.

SAFETY NATIONAL CASUALTY CORPORATION

Secretary

President

1061 12 0115 (XWC)

ENDORSEMENT

FLORIDA TERRORISM RISK INSURANCE PROGRAM
REAUTHORIZATION ACT ENDORSEMENT

Effective 12:01 A.M., Local Time, October 01, 2015

This endorsement addresses requirements of the Terrorism Risk Insurance Act of 2002 as amended by subsequent amendments and reauthorizations including the Terrorism Risk Insurance Program Reauthorization Act of 2015.

Definitions

The definitions provided by this endorsement are based on and have the same meaning as the definitions in the Act. If words or phrases not defined in this endorsement are defined in the Act, the definitions in the Act will apply.

1. "Act" means the Terrorism Risk Insurance Act of 2002, which took effect on November 26, 2002, and any reauthorizations and amendments, including those resulting from the Terrorism Risk Insurance Program Reauthorization Act of 2015.

2. "Act of terrorism" means any act that is certified by the Secretary of the Treasury, in accordance with the Act, and as meeting all of the following requirements:
   a. The act is an act of terrorism
   b. The act is violent or dangerous to human life, property or infrastructure.
   c. The act resulted in damage within the United States, or outside of the United States in the case of the premises of United States missions or certain air carriers or vessels.
   d. The act has been committed by an individual or individuals as part of an effort to coerce the civilian population of the United States or to influence the policy or affect the conduct of the United States Government by coercion.

3. "Insured Loss" means any loss resulting from an act of terrorism (including an act of war, in the case of workers compensation) that is covered by primary or excess property and casualty insurance issued by an insurer if the loss occurs in the United States or at United States missions or to certain air carriers or vessels.

4. "Insurer deductible" means, for the period beginning on January 1, 2015, and ending on December 31, 2020, an amount equal to 15% to 20% of our group direct earned premiums, over the calendar year immediately preceding the applicable Program Year as applicable.

5. "Program Year" refers to each calendar year between January 1, 2015 and December 31, 2020, as applicable.

Limitation of Liability

The Act may limit the CORPORATION'S liability to the EMPLOYER under this Agreement. If aggregate Insured Losses exceed $100,000,000,000 in a Program Year, and if the CORPORATION has met our insurer deductible, the CORPORATION may not be liable for the payment of any portion of the amount of Insured Losses that exceeds $100,000,000,000; and for aggregate Insured Losses up to $100,000,000,000, we may only have to pay a pro rata share of such Insured Losses as determined by the Secretary of the Treasury.

1061 12 0115 (XWC)

ENDORSEMENT (CONTINUED)

Policyholder Disclosure Notice

1. Insured Losses would be partially reimbursed by the United States Government. If the aggregate industry Insured Losses exceeds $100,000,000 in a Program Year, the United States Government would pay 80% to 85% of the CORPORATION's Insured Losses that exceed our Insurer Deductible.

2. Notwithstanding item 1 above, the United States Government may not have to make any payment under the Act for any portion of Insured Losses that exceeds $100,000,000,000.

3. The premium charged for the coverage for Insured Losses under this Agreement is included in the "Deposit Premium for the Payroll Reporting Period" shown on the Declarations Page. The portion of the EMPLOYER'S annual premium that is attributable to coverage for insured terrorism or war losses is 0.5%.

All other terms, conditions, agreements and stipulations remain unchanged.

Attached to and forming a part of Excess Workers' Compensation and Employers' Liability Insurance Agreement No. SP 4053844, issued by SAFETY NATIONAL CASUALTY CORPORATION of St. Louis, Missouri to CITY OF COCOA, dated October 01, 2015.

SAFETY NATIONAL CASUALTY CORPORATION

Secretary

President

No. SP 4053844

FLORIDA
SPECIFIC EXCESS
WORKERS' COMPENSATION AND
EMPLOYERS' LIABILITY INSURANCE AGREEMENT

SAFETY NATIONAL CASUALTY CORPORATION

ST. LOUIS, MISSOURI

(Hereinafter called the CORPORATION or Us),

In consideration of the payment of premium and subject to all the terms of this Agreement, hereby agrees with the EMPLOYER named in the Declarations (hereinafter called the EMPLOYER), as follows:

GENERAL

A. The Agreement
This Agreement includes at its Effective Date, the Declarations and all Endorsements and schedules listed there. It is a contract of insurance between the EMPLOYER and the CORPORATION. The only agreements relating to this insurance are stated in this Agreement. The terms of this Agreement may not be changed or waived except by endorsement issued by the CORPORATION to be a part of this Agreement.

No condition, provision, or declaration of this Agreement shall be waived or altered at any time, except as specified in PART SIX - PREMIUM, except by endorsement signed by the President and the Secretary of the CORPORATION.

This Agreement hereby terminates, supersedes, and replaces all previously issued Workers' Compensation Insurance or Reinsurance Agreements, as amended, between the EMPLOYER and the CORPORATION.

If terms of this Agreement are in conflict with any law applicable to this Agreement, this statement amends this Agreement to conform to such law. In addition, in the event any terms are in conflict with applicable laws, the remaining terms of the Agreement shall be enforceable.

B. Self-Insurer
The EMPLOYER, by acceptance of this Agreement, warrants that it is a duly qualified Self-Insurer in the State(s) designated in the Declarations, and will continue to maintain such qualifications during the currency of this Agreement. In the event the EMPLOYER should at any time while this Agreement is in force terminate such qualifications or if they should be cancelled or revoked, such loss of qualifications shall operate as notice of cancellation of this Agreement by the EMPLOYER, subject to the additional terms of the Cancellation Section of this Agreement.

The inclusion of more than one EMPLOYER in the Declarations shall not increase the EMPLOYER's Self- Insured Retention nor the CORPORATION's Maximum Limit of Indemnity. Further, if more than one EMPLOYER appears in Item 1 of the Declarations, the first named EMPLOYER shall be the principal named insured under this Agreement and all other listed entities shall be additional named insureds. All notices, billings, and correspondence shall be to the principal named insured at the address shown in the Declarations. Actions of or by the principal named insured shall be binding on all additional named insured.

DEFINITIONS

A. Covered Employee
As respects liability imposed upon the EMPLOYER by the Workers' Compensation law of any State, Employee shall mean any person performing work which renders the EMPLOYER liable under the Workers' Compensation Law of a State named in Item 2 of the Declarations, which is the State of the injured Employee's normal employment, for bodily injuries or occupational disease sustained by such person.

B. Worker's Compensation Law
Workers' Compensation Law means the workers' or workmen's compensation law and occupational disease law of each State or territory named in Item 2 of the Declarations. It includes any amendments to that law which are in effect during the policy period. It does not include any federal workers' or workmen's compensation law, any federal occupational disease law or the provisions of any law that provide non-occupational disability benefits.

C. Policy Period
The liability of the CORPORATION for Loss hereunder shall be determined separately for each Liability Period. The initial Liability Period shall commence at 12:01 A.M. on the Effective Date and end at 12:01 a.m. on the Anniversary Date, designated in Item 3 and 4 respectively, of the Declarations. Each succeeding Liability Period shall begin concurrently with the end of the previous Liability Period and continue for the same number of consecutive months as the initial Liability Period. All time is stated in the local time for the State(s) designated in the Declarations.

In the event the Employer fails to give express written intent to continue coverage at the end of given Liability Period, the Agreement shall be deemed terminated, and the Anniversary Date shall serve as the termination date of the Agreement.

D. State
State means any state, territory, or possession of the United States of America and the District of Columbia.

The insurance afforded by this Agreement applies to operations in the State(s) specified in the Declarations, including, however, incidental operations conducted by Employees who are regularly engaged in operations in the specified State(s), but who may be temporarily outside the specified State(s).

E. Loss
Loss shall mean actual payments, less recoveries from any other party or source that may mitigate such Loss, legally made by the EMPLOYER to Employees and their dependents in satisfaction of: (a) statutory benefits, (b) settlements of suits and claims, and (c) awards and judgments. Loss shall also include Claim Expenses, paid by the EMPLOYER, as defined below. The term Loss shall not include the items specifically excluded by PART 4 – EXCLUSIONS.

F. Claim Expense
Claim Expenses shall mean court costs, interest upon awards and judgments and the reasonable costs of investigation, adjustment defense, and appeal, including pension or appeal bond costs (provided that the prosecution of such appeal and/or the posting of such pension or appeal bond is approved by the CORPORATION) of claims, suits or other proceedings brought against the EMPLOYER under the Workers' Compensation or Employers' Liability Laws of the State(s) designated in the Declarations, or other State(s), as provided in Section A of PART ONE – WORKERS' COMPENSATION INSURANCE, even though such claims, suits, proceedings or demands are wholly groundless, false, or fraudulent. Claim Expenses shall not include fees to the EMPLOYER's Service Company.

G. Man hours
Man hours refers to the number of actual hours worked for each classification code. Premium Rates based on man hours only apply in States where a rate per man hour is shown in the Declarations Item titled Premium Rate.

PART ONE
WORKERS' COMPENSATION INSURANCE

A. How this Part Applies
This Agreement applies to Loss sustained by the EMPLOYER because of liability imposed upon the EMPLOYER by the Workers' Compensation Laws of the State(s) designated in the Declarations. PART ONE also applies to Loss sustained by the EMPLOYER because of liability imposed upon the EMPLOYER by the Workers' Compensation Laws of other States(s), provided that the Loss shall not be greater than it would have been had liability been imposed by the State(s) specified in the Declaration. Loss must result from bodily injury (which includes resulting death) by accident or by occupational disease due to Occurrences taking place within the Liability Period to Employees of the EMPLOYER engaged in the business operations specified in the Declarations and all other operations necessary, incidental, or appurtenant thereto. Occurrence shall mean accident from which the bodily injury shall result. In addition, bodily injury by occupational disease must be caused or aggravated by the conditions of employment and shall be deemed to have occurred on the last day of the last exposure to those conditions of employment causing or aggravating such injury by occupational disease, or such date as it otherwise established by the Workers' Compensation Laws of the appropriate State(s). Bodily injury by occupational disease sustained by each Employee shall be deemed to be separate Occurrence unless such disease results directly from an accident.

B. Payments You Must Make Relating to Specific Excess Insurance
With respect to each Occurrence taking place within a Liability Period, the EMPLOYER shall retain as its own Loss, as defined below, the amount specified in Item 7 of the Declarations, and the CORPORATION agrees to reimburse the EMPLOYER only for such Loss in excess of such Self-Insured Retention, subject to the Maximum Limit of Indemnity Per Occurrence, or the Employers' Liability Maximum Limit of Indemnity Per Occurrence, whichever is applicable, as specified in Item 8 of the Declarations. The separate Employers' Liability Maximum Limit of Indemnity Per Occurrence shall not operate, in any case, to increase the total amount the CORPORATION agrees to reimburse the EMPLOYER for Loss per any one Occurrence as per Item 8(a) of the Declarations.

C. Our Reimbursement To You
If the EMPLOYER pays any Loss incurred in any Liability Period in excess of the Self-Insured Retention Per Occurrence, the CORPORATION shall reimburse the EMPLOYER upon receipt of a formal proof of loss and other evidence acceptable to the CORPORATION of such payment. Within a reasonable period of time, reimbursement payments shall be made by the CORPORATION.

The CORPORATION shall have, and may exercise at any time, and from time to time, the right to offset any balance or balances, whether on account of premiums, Losses or otherwise, due from the EMPLOYER to the CORPORATION against any balance or balances, due from the CORPORATION to the EMPLOYER under this Agreement.

D. Other Insurance
If the EMPLOYER carries other valid and collectible insurance, reinsurance, or indemnity with any other insurer or reinsurer covering a Loss also covered by this Agreement (other than insurance or reinsurance that is purchased to apply in excess of the sum of the Self-Insured Retention and the Maximum Limits of Indemnity hereunder), the insurance afforded by this Agreement shall apply in excess of and shall not contribute with such other insurance or reinsurance.

E. Recovery from Others (Subrogation)
The EMPLOYER agrees to prosecute any and all valid claims the EMPLOYER may have against any other party or source that may mitigate any Loss under this Agreement and return to the CORPORATION any amount so recovered, less the reasonable expense of collecting such amounts.

The CORPORATION shall have the EMPLOYER's rights to prosecute any and all valid claims against any other party or source that may mitigate any Loss under this Agreement. The EMPLOYER agrees that it will assist the CORPORATION in any prosecution of any and all valid claims against any other party or source that may mitigate any Loss under this Agreement. Any amounts recovered by the CORPORATION from any other party or source that may mitigate Loss under this Agreement shall first be used to pay the expenses of collection and to reimburse the CORPORATION for any amount it may have paid the EMPLOYER for the Liability Period concerned, and all remaining amounts collected shall be paid by the EMPLOYER.

PART TWO
EMPLOYERS' LIABILITY INSURANCE

A. How this Part Applies

This Agreement applies only to Loss sustained by the EMPLOYER because of liability imposed upon the EMPLOYER by the Employer's Liability Laws of the State(s) designated in the Declarations. PART TWO also applies to Loss sustained by the EMPLOYER because of liability imposed upon the EMPLOYER by the Employers' Liability Laws of the other State(s), provided that the Loss shall not be greater than it would have been had liability been imposed by the State(s) specified in the Declaration. Loss must result from bodily injury (which includes resulting death) by accident or by occupational disease due to Occurrences taking place within the Liability Period to Employees of the EMPLOYER engaged in the business operations specified in the Declarations and all other operations necessary, incidental, or appurtenant thereto.

Occurrence shall mean accident from which the bodily injury shall result. In addition, bodily injury by occupational disease must be caused or aggravated by the conditions of employment and shall be deemed to have occurred on the last day of the last exposure to those conditions of employment causing or aggravating such injury by occupational disease, or such date as it otherwise established by the Employers' Liability Laws of the appropriate State(s). Bodily injury by occupational disease sustained by each Employee shall be deemed to be a separate Occurrence unless such disease results directly from an accident.

B. Payments You Must Make Relating to Specific Excess Insurance

With respect to each Occurrence taking place within a Liability Period, the EMPLOYER shall retain as its own Loss, as defined below, the amount specified in Item 7 of the Declarations, and the CORPORATION agrees to reimburse the EMPLOYER only for such Loss in excess of such Self-Insured Retention, subject to the Maximum Limit of Indemnity Per Occurrence, or the Employers' Liability Maximum Limit of Indemnity Per Occurrence, whichever is applicable, as specified in Item 8 of the Declarations. The separate Employers' Liability Maximum Limit of Indemnity Per Occurrence shall not operate, in any case, to increase the total amount the CORPORATION agrees to reimburse the EMPLOYER for Loss per any one Occurrence as per Item 8(a) of the Declarations.

C. Our Reimbursement To You

If the EMPLOYER pays any Loss incurred in any Liability Period in excess of the Self-Insured Retention Per Occurrence, the CORPORATION shall reimburse the EMPLOYER upon receipt of a formal proof of loss and other evidence acceptable to the CORPORATION of such payment. Within a reasonable period of time, reimbursement payments shall be made by Us.

The CORPORATION shall have, and may exercise at any time, and from time to time, the right to offset any balance or balances, whether on account of premiums, Losses or otherwise, due from the EMPLOYER to the CORPORATION against any balance or balances, due from the CORPORATION to the EMPLOYER under this Agreement.

D. Other Insurance

If the EMPLOYER carries other valid and collectible insurance, reinsurance, or indemnity with any other insurer or reinsurer covering a Loss also covered by this Agreement (other than insurance or reinsurance that is purchased to apply in excess of the sum of the Self-Insured Retention and the Maximum Limits of Indemnity hereunder), the insurance afforded by this Agreement shall apply in excess of and shall not contribute with such other insurance or reinsurance.

E. Recovery from Others (Subrogation)

The EMPLOYER agrees to prosecute any and all valid claims the EMPLOYER may have against any other party or source that may mitigate any Loss under this Agreement and return to the CORPORATION any amount so recovered, less the reasonable expense of collecting such amounts.

The CORPORATION shall have the EMPLOYER's rights to prosecute any and all valid claims against any other party or source that may mitigate any Loss under this Agreement. The EMPLOYER agrees that it will assist the CORPORATION in any prosecution of any and all valid claims against any other party or source that may mitigate any Loss under this Agreement. Any amounts recovered by the CORPORATION from any other party or source that may mitigate Loss under this Agreement shall first be used to pay the expenses of collection and to reimburse the CORPORATION for any amount it may have paid the EMPLOYER for the Liability Period concerned, and all remaining amounts collected shall be paid by the EMPLOYER.

PART THREE
OTHER STATES COVERAGE

This Agreement covers all business operations of the EMPLOYER as a Self-Insurer in only those State(s) listed in Item 2 of the Declarations.

This Agreement does not cover operations of the EMPLOYER in any other State unless otherwise agreed by the CORPORATION in accordance with the provisions of Section A of PART ONE - GENERAL of this Agreement.

If you begin work in any State not listed in Item 2 of the Declarations after the Effective Date of this Agreement, you

will be afforded no coverage under this Agreement in such other State unless and until the CORPORATION notifies you that coverage will be provided. If the CORPORATION notifies you that coverage will be provided for such other State, all provisions of this Agreement will apply as though that State were listed in Item 2 of the Declarations.

PART FOUR
EXCLUSIONS

This Agreement does not cover the following amounts paid by the EMPLOYER:

1. Salaries, wages, and remuneration provided to Employees;
2. Fees to the EMPLOYER's Service company and/or costs of self-administration of claims;
3. Punitive or exemplary damages as they relate to claims made under the Employers' Liability coverage provided by this Agreement;
4. Fines or penalties assessed against the EMPLOYER for any violation by the EMPLOYER, or its representative(s), of any statute or regulation, unless the fines or penalties result from a dispute raised in good faith as to the Workers' Compensation benefits owed by the EMPLOYER;
5. Assessments and taxes made upon the EMPLOYER as self-insurer whether imposed by statute, regulation, or otherwise;
6. Any amounts required to be paid by the EMPLOYER because of:
   a. Serious and willful misconduct of the EMPLOYER, including intentional torts and intentional acts or omissions resulting in injury, acts or omissions taken with reckless disregard of the possible occurrence of an injury or acts or omissions taken that are substantially certain to result in injury, regardless of whether or not said actions may be classified in the State(s) as intentional torts,
   b. Coercion, criticism, demotion, evaluation, reassignment, discipline, defamation, harassment, humiliation, discrimination against or termination of any Employee and/or related personnel practices, policies, acts, or omissions by the EMPLOYER,
   c. Knowingly employing an Employee in violation of law,
   d. Rejection by the EMPLOYER of any Workers' Compensation Law,
   e. Failure to comply with any health, safety, or notification law or regulation.
7. Loss assumed by the EMPLOYER under any contract or agreement, whether expressed or implied;
8. Loss for which the EMPLOYER carries a full Workers' Compensation and Employers' Liability policy; and
9. Any amount owed by the EMPLOYER pursuant to any provision of any law that provides non-occupational disability benefits.

PART FIVE
CLAIMS

A. Prompt Reporting of Claims

Within seven (7) days after the EMPLOYER becomes aware or receives notice, the EMPLOYER must provide notice to the CORPORATION of: (a) any claim or action commenced against the EMPLOYER which exceeds, or is likely to exceed, fifty percent (50%) of the Self-Insured Retention Per Occurrence specified in Item 7 of the Declarations and (b) the reopening of any claim in which a further award might involve liability of the CORPORATION under this Agreement.

In addition, the following categories of claims shall be reported to the CORPORATION within seven (7) days after first notice is provided to the EMPLOYER, regardless of any question of potential involvement of the CORPORATION:

1. Fatalities;
2. Paraplegics and quadriplegics;
3. Serious burns, defined as 2nd or 3rd degree burns involving 25% or more of the body;
4. Brain injury;
5. Spinal cord injury;
6. Amputation of major extremity; and
7. Any Occurrence which results in serious injury to two or more Employees.

The EMPLOYER shall provide prompt notice of a claim in accordance with the requirements set forth above and/or as otherwise provided by the Law of any State(s). To constitute prompt, sufficient notice, the EMPLOYER must provide complete information as to the details of the injury, disease, or death.

B. Defense of Claims

The EMPLOYER shall investigate and settle or defend all claims and shall conduct the defense and appeal of all actions, suits, and proceedings commenced against it. The EMPLOYER shall forward promptly to the CORPORATION copies of any pleadings or reports as may be requested. The CORPORATION shall not be obliged to assume charge of the investigation, defense, appeal or settlement of any claim, suit, or proceeding brought against the EMPLOYER, but the CORPORATION shall be given the opportunity to investigate, defend, or participate with the EMPLOYER in the investigations and defense of any claim, if, in the opinion of the CORPORATION, its liability under this Agreement might be involved.

C. Good Faith Claims Administration

The EMPLOYER shall use diligence, prudence, and good faith in the investigation, defense, pursuit of recovery from others and settlement of all claims. The EMPLOYER shall not refuse to settle any claim which should be settled, provided, however, that the EMPLOYER shall not make any payment or agree to any settlement for any sum which would involve the limits of the CORPORATION's liability hereunder without the approval of the CORPORATION. If the CORPORATION is prejudiced by the EMPLOYER's failure to exercise diligence, prudence,

and good faith, the CORPORATION may elect to disclaim coverage for Loss from such claim.

D. Service and Administration

This Agreement contemplates the concurrent and continued existence of a separate service agreement between the EMPLOYER and the Service Company, its designated representative, named in Item 5 of the Declarations, providing services approved by the CORPORATION. The EMPLOYER agrees that its Service Company shall furnish the CORPORATION with quarterly loss runs concurrent with each Liability Period of this Agreement. The provision of loss runs alone does not relieve the EMPLOYER of its reporting obligations as set forth in the "Prompt Reporting of Claims" provision under PART FIVE of this Agreement. In addition, the electronic transfer of loss information by a Service Company of the EMPLOYER shall not constitute notice of a claim.

Cancellation of the service agreement between the Service Company and the EMPLOYER shall operate as notice of cancellation of this Agreement by the EMPLOYER, subject to the additional terms of the Cancellation Section of this Agreement. Any change in service companies must be immediately communicated to and approved by the CORPORATION.

PART SIX
PREMIUM

Upon acceptance of the Agreement and at the beginning of each Payroll reporting Period, as specified in Item 12 of the Declarations, the EMPLOYER shall pay to the CORPORATION the amount of the Deposit Premium specified in Item 11 of the Declarations. The EMPLOYER shall pay premiums when due. The Deposit Premium shall be held by the CORPORATION until the expiration of the Payroll Reporting Period. Within thirty (30) days after the close of each Payroll Reporting Period, the EMPLOYER shall render to the CORPORATION a report exhibiting, by classification, the amount of such remunerations earned by Employees during such reporting period, and the EMPLOYER shall therewith pay to the CORPORATION the excess of the Earned Premium over the Deposit Premium previously paid. In case the Deposit Premium paid exceeds the Earned Premium, within thirty (30) days after such determination is made, the CORPORATION shall return to the EMPLOYER the amount of such excess or give appropriate credit, subject to the proportion of Minimum Premium for the Liability Period in the case of multi-year Liability Periods.

Upon expiration of a Liability Period, a summary of voluntary payroll reports for such Liability Period shall be made to determine the Earned Premium under this Agreement. In no event, however, shall the Earned Premium in respect of any Liability Period be less than the Minimum Premium specified in the Declarations.

For each Payroll Reporting Period, the CORPORATION shall compute the Earned Premium as follows:

1. Remuneration – The remuneration earned, or man hours accumulated during such period by all Employees, including any covered volunteers, engaged in each classification covered by this Agreement shall be computed in accordance with the rules set forth in the appropriate Manual of Workers' Compensation and Employers' Liability Insurance.
2. Manual and Standard Premium – The remuneration, or man hours, so computed for Employees engaged in each such classification shall be multiplied by the Manual Rate per $100 of remunerations/man hour, in effect as the inception of each Payroll Reporting Period, and the products so obtained shall be added together to determine the Manual Premium. An Experience Modification Factor may be applied to the Manual Premium to determine a Standard Premium. Such Experience Modification Factor shall be determined the inception of this Agreement and is subject to annual review and possible revision. A Standard Premium takes precedence over any Manual Premium.
3. Earned Premium – Against the Manual or Standard Premium shall be applied the Premium Rate, as specified in Item 9 of the Declarations, to determine the appropriate Earned Premium.

This Agreement is issued by the CORPORATION and accepted by the EMPLOYER subject to the agreement that, in the event of any change in the Rates per $100 remuneration/man hour, as stated in Item 6 of the Declarations, because of any general rate increase or any legislative amendment affecting the benefits under the Workers' Compensation Law of any State(s) named in Item 2 of the Declarations, such change, upon the effective date thereof, shall be, without endorsement, made a part of the Agreement.

PART SEVEN
CONDITIONS

A. Inspection and Audit

The CORPORATION shall have the right, but not the obligation to inspect the premises and equipment and/or to audit the books and records of the EMPLOYER and of its agents and representatives, including all records relating to payroll and claims matters, at any reasonable time during the period of this Agreement. Inspection of other than claims records must occur within three (3) years after the Liability Period ends. An audit to determine Manual or Standard Premium shall supersede any and all prior voluntary payroll reports by the EMPLOYER, and will be used to determine the final adjustment of premiums due to the CORPORATION and the Loss Fund amounts. Should a determination be made that additional audit premium is due to the CORPORATION, the due date for payment of such audit premium shall be thirty (30) days after the date of such billing.

B. Assignment

An assignment of interest under this Agreement will not bind the CORPORATION unless an endorsement signed by the President and the Secretary of the Corporation assigning interest under this Agreement is issued by the CORPORATION.

C. Cancellation
This Agreement may be cancelled by either party giving the other party written notice not less than sixty (60) days prior to the date of cancellation, except, that if the CORPORATION cancels for non-payment of any premium, the cancellation shall become effective five (5) days after dispatch of notice by the CORPORATION. The date of cancellation then becomes the termination date of the final Liability Period. This Agreement does not apply to Loss as a result of Occurrences taking place after the effective date of such cancellation.

If cancellation is effected by the EMPLOYER, the Manual or Standard Premium shall be determined by the short rate tables used for casualty insurance, and the Earned Premium shall be the product of the Premium Rate (Item 9) times the Manual or Standard Premium (or the Total Annual Remuneration) so arrived at, but not less than the Minimum Premium specified in the Declarations.

If cancellation is effected by the CORPORATION for non-payment of premium, the EMPLOYER shall pay the CORPORATION Earned Premium for the period up to the date of cancellation.

If the CORPORATION cancels for any other reason, the Manual or Standard Premium shall be determined upon a pro rata basis and the Loss Fund and Earned Premium adjusted in accordance therewith.

D. Bankruptcy or Insolvency of Employer
The bankruptcy or insolvency of the EMPLOYER will not relieve the CORPORATION or the EMPLOYER of its duties and liabilities under this Agreement. After payments have been made by or on behalf of the EMPLOYER, reimbursements due under this Agreement will be made by the CORPORATION as if the EMPLOYER had not become bankrupt or insolvent, but not in excess of the CORPORATION's limit of indemnity.

E. Sole Representative
If more than one EMPLOYER is named in Item 1 of the Declarations, or an endorsement related thereto, the EMPLOYER first named in Item 1, or a related endorsement, will act on behalf of the EMPLOYERS to give or to receive notice of cancellation, to receive return premium or reimbursement, or to request changes in this Agreement.

F. Acceptance
By acceptance of this Agreement, the EMPLOYER agrees that the statements in this Agreement, in the Declarations, and in the application are the EMPLOYER's representations; that this Agreement is issued in reliance upon such representations; that this Agreement embodies all agreements existing between the EMPLOYER and the CORPORATION, or any of its agents, relating to this excess insurance, and that full compliance by the EMPLOYER with all terms of this Agreement is a condition precedent to the CORPORATION's liability hereunder.

IN WITNESS WHEREOF, SAFETY NATIONAL CASUALTY CORPORATION has caused this Agreement to be executed by printing below the facsimile signatures of its President and Secretary and by the actual signature of its Secretary on the Declarations.

Secretary

President

Legislation Details (With Text)

File #:	16-336	**Version:**	1	**Name:**	
Type:	Resolution			**Status:**	Public Hearing
File created:	8/8/2016			**In control:**	City Council
On agenda:	8/23/2016			**Final action:**	
Title:	To approve a resolution to accept Burton & Associates FY 2017 Utility Rate Study, validating the implementation of a five percent (5%) increase to the water, fire lines, hydrant, wastewater and reclaimed water fixed monthly charges and usage rates effective October 1, 2016, with an annual increase, of five percent (5%) thereafter on October 1st of each fiscal year beginning October 1, 2017; and provide for the update of the Utilities Handbook and the City Code. (Finance Director)				
Sponsors:					
Indexes:					
Code sections:					
Attachments:	Resolution 2010-123 (Revising water rates) Resolution 2011-051 (Fire Protection Services added in annual increase) Resolution 2011-084 (Revising water, wastewater, fire line & hydrant, and reclaimed water monthly Resolution 2015-061 (Revising Water, Sewer, and Reclaimed Water Charges & Usage Rates) Resolution 2016- Water & Wastewater.pdf Resolution 2016-x Exhibit A Rate Worksheet FY 2016 Cocoa - Water Sewer - FINAL Report - 160817 (2).pdf				

Date	Ver.	Action By	Action	Result

CITY COUNCIL AGENDA ITEM

Memo Date: August 10, 2016
Agenda Date: August 23, 2016
Prepared By: Jessica Dovale, Utility Customer Service Manager
Through: Teri Butler, Finance Director
Requested Action:
To approve a resolution to accept Burton & Associates FY 2017 Utility Rate Study, validating the implementation of a five percent (5%) increase to the water, fire lines, hydrant, wastewater and reclaimed water fixed monthly charges and usage rates effective October 1, 2016, with an annual increase, of five percent (5%) thereafter on October 1st of each fiscal year beginning October 1, 2017; and provide for the update of the Utilities Handbook and the City Code.

BACKGROUND:

A comprehensive rate study for FY2017 has been prepared by Burton & Associates and is presented to City Council for review. The rate study recommends the implementation of an annual five percent (5%) increase to the water, fire lines, hydrant, wastewater and reclaimed water fixed monthly charges and usage rates for years 2016 through 2026. The automatic annual increase is subject to an annual review and validation by City Council prior to the rate increase being implemented.

On July 27, 2016, at the Utility Adjustment Board meeting, the board voted unanimously to support a 5% rate increase to the water, fire lines, hydrant, wastewater and reclaimed water fixed monthly charges and usage rates for FY2017.

The annual rate increase is intended to fund the capital improvements necessary to repair and maintain the aging utilities infrastructure, as analyzed by the City's utility engineering consultant CH2M Hill, and the City's rate consultant Burton & Associates. Utility capital improvement projects are large, long-term projects that require dedicated funding sources for debt service for a definite period of time. The City is also experiencing a decline in water and sewer revenues from the previous year, due to conservation efforts and a decrease in billable water consumption.

The current and proposed FY2017 rates are provided in Exhibit A.

STRATEGIC PLAN CONNECTION:

This item addresses the strategic issue of Financial Stability by developing a financially sustainable revenue base to support and deliver high quality municipal services and to fund the capital improvements necessary to repair and maintain the aging utilities infrastructure.

BUDGETARY IMPACT:

Estimated budgeted revenues:

421-0000-343-31-00	Water Sales	$43,917,881
421-0000-343-51-00	Sewer Sales	$ 4,865,057
421-0000-343-60-00	Reuse Sales	$ 317,001
421-0000-343-36-00	Water Hydrant Fees	$ 2,608,291

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PREVIOUS ACTION:

FY2011

On September 14, 2010, City Council approved Resolution No. 2010-123 to increase water, wastewater, reclaimed water and water impact fees annually by a five percent (5%) increase effective October 1 of each year beginning in October 2010, subject to annual review by the City Council before the rate increase is implemented.

FY2012

On June 6, 2011, City Council approved Resolution No. 2011-051, to include fire lines and hydrants (fire protection services) fees as part of the list of charges set forth in Section 5 of Resolution No. 2010-123, thus also increasing fire lines and hydrants fees annually by a five percent (5%) increase effective October 1 of each year beginning in October 2011.

On August 23, 2011, City Council approved Resolution No. 2011-084 suspending the annual 5% rate adjustment and approved an alternate rate increase for FY2012 only of 5.5% for potable water, 1%

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increase for waste water, 5% for hydrants and fire lines, and reclaimed water would not increase.

FY2013 & FY2014
Pursuant to the terms of Resolution No. 2011-084, the annual 5% rate increase originally adopted by Resolution No. 2010-123 was implemented for FY 2013 and FY 2014 following the review and validation by City Council each year.

FY2015
The FY2014 rate study prepared by Burton & Associates denoted that with the rate of execution of capital projects, the City could postpone the annual rate increase for one year resulting in no rate increase for FY2015.

FY2016
On September 8, 2015, the City Council approved Resolution No. 2015-061 to increase water, fire lines, hydrant, wastewater, reclaimed water fees annually by a three percent (3%) increase, repealing all prior inconsistent resolutions and as denoted in the FY2015 rate study by Burton & Associates, effective October 1 of each year beginning in October 2015, subject to annual review by the City Council before the rate increase is implemented.

RECOMMENDED MOTION:
To approve a resolution to accept Burton & Associates FY 2017 Utility Rate Study, validating the implementation of a five percent (5%) increase to the water, fire lines, hydrant, wastewater and reclaimed water fixed monthly charges and usage rates effective October 1, 2016, with an annual increase, of five percent (5%) thereafter on October 1st of each fiscal year beginning October 1, 2017; and provide for the update of the Utilities Handbook and the City Code.

RESOLUTION NO. 2010- 123

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF COCOA, FLORIDA REVISING WATER, WASTEWATER AND RECLAIMED WATER MONTHLY FIXED CHARGES AND USAGE RATES AND WATER IMPACT FEES; PROVIDING FOR THE UPDATE OF THE UTILITIES HANDBOOK AND THE CITY CODE; PROVIDING FOR ANNUAL INCREASES OF FIVE (5) PERCENT A YEAR EFFECTIVE ON OCTOBER 1ST; PROVIDING FOR REPEAL OF PRIOR INCONSISTENT RESOLUTIONS; PROVIDING FOR SEVERABILITY; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, Section 22-41 of the Cocoa City Code provides that the City Council, by resolution, shall establish or amend from time to time the charges for service for water, wastewater and reclaimed water; and

WHEREAS, the cost to expand, operate and maintain Cocoa's overall utility system increases annually, and charges for services were last reviewed on August 26, 2008;

WHEREAS, the current rate structure does not encourage sufficient conservation of this valuable resource; and

WHEREAS, the current rate structure also does not support the implementation of the estimated $10 million per year capital improvements which will be required under the CH2M Hill fixed asset inventory and condition evaluation for the water and wastewater system; and

WHEREAS, after careful consideration and deliberation, and consideration of the comprehensive rate study prepared and presented to the City Council by Burton & Associates, the City Council deems it is in the best interests of the public health, safety and welfare of its citizens and other users of the City's utilities system to revise the rates and charges for water, wastewater, and reclaimed water services as set forth herein, which are hereby found to be just and equitable.

NOW, THEREFORE BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF COCOA, FLORIDA, AS FOLLOWS:

Section 1. Incorporation of Recitals. The foregoing recitals are deemed to be true and accurate and are hereby fully incorporated herein by this reference.

Section 2. Fixed Monthly Charges, Usage Rates.

a. The following rates shall apply for use of the **Water System**.

	Current Charge		New Charge			
	Inside Cocoa	Outside Cocoa	Inside Cocoa		Outside Cocoa	
Fixed Monthly Charge – Water			Oct. 1, 2010	Jan. 1, 2011	Oct. 1, 2010	Jan. 1, 2011
.75 inch meter	$10.47	$11.52	$10.56	$11.40	$11.62	$12.54
1.0 inch meter	$25.30	$27.83	$25.56	$27.60	$28.12	$30.36
1.5 inch meter	$46.00	$50.60	$46.36	$50.07	$51.00	$55.08
2.0 inch meter	$115.00	$126.50	$115.95	$125.23	$127.55	$137.75
3.0 inch meter	$276.00	$303.60	$278.36	$300.63	$306.20	$330.69
4.0 inch meter	$414.00	$455.40	$417.54	$450.94	$459.29	$496.03
6.0 inch meter	$782.00	$860.20	$788.73	$851.83	$867.60	$937.01
8.0 inch meter	N/A	N/A	$1,096.13	$1,183.82	$1,205.74	$1,302.20
10.0 inch meter	$1,391.50	$1,530.65	$1,403.42	$1,515.69	$1,543.76	$1,667.26
Monthly Water Usage Rate per 1,000 gallons						
1st Tier	$2.10	$2.31	$ 2.19	$2.37	$2.41	$2.61
2nd Tier	$3.07	$3.38	$4.20	$4.54	$4.62	$4.99
3rd Tier	$4.53	$4.98	$5.47	$5.91	$6.02	$6.50
4th Tier	$6.50	$7.15	$7.38	$7.97	$8.12	$8.77

Tier Structure – Water (thousand gallon increments)

	Current Structure				New Structure – Oct. 1, 2010			
Meter Size	1st Tier	2nd Tier	3rd Tier	4th Tier	1st Tier	2nd Tier	3rd Tier	4th Tier
.75 "	0-8	9-16	17-24	over 24	0-6	7-12	13-24	over 24
1.0 "	0-20	21-40	41-60	over 60	0-15	16-30	31-60	over 60
1.5 "	0-40	41-80	81-120	over 120	0-42	43-84	85-168	over 168
2.0 "	0-100	101-200	201-300	over 300	0-102	103-204	205-408	over 408
3.0 "	0-400	401-800	801-1,200	over 1,200	0-420	421-840	841-1,680	over 1,680
4.0 "	0-600	601-1,200	1,201-1,800	over 1,800	0-690	691-1,380	1,381-2,760	over 2,760
6.0 "	0-2,000	2,001-4,000	4,001-6,000	over 6,000	0-3,300	3,301-6,600	6,601-13,200	over 13,200
8.0 "	--	--	--	--	0-12,000	12,001-24,000	24,001-48,000	over 48,000
10 "	0-20,000	20,001-40,000	40,001-60,000	over 60,000	0-21,000	21,001-42,000	42,001-84,000	over 84,000

b. The following rates shall apply for use of the **Wastewater System**.

	Current Charge		New Charge			
	Inside Cocoa	Outside Cocoa	Inside Cocoa		Outside Cocoa	
Fixed Monthly Charge – Wastewater			Oct. 1, 2010	Jan. 1, 2011	Oct. 1, 2010	Jan. 1, 2011
.75 inch meter	$9.77	$12.21	$10.66	$11.51	$13.33	$14.39
1.0 inch meter	$18.31	$22.89	$19.93	$21.52	$24.91	$26.90
1.5 inch meter	$36.64	$45.80	$39.98	$43.18	$49.98	$53.98
2.0 inch meter	$91.59	$114.49	$99.88	$107.87	$124.85	$134.84
3.0 inch meter	$366.39	$457.99	$399.75	$431.73	$499.69	$539.66
4.0 inch meter	$549.59	$686.99	$599.63	$647.60	$749.54	$809.50
6.0 inch meter	$989.26	$1,236.58	$1,079.33	$1,165.68	$1,349.16	$1,457.10
8.0 inch meter	N/A	N/A	$1,727.03	$1,865.19	$2,158.79	$2,331.49
10.0 inch meter	N/A	N/A	$2,482.61	$2,681.22	$3,103.26	$3,351.53
Monthly Wastewater Usage Rate per 1,000 gallons						
	$4.63	$5.79	$5.06	$5.46	$6.33	$6.83

c. The following rates shall apply for use of the **Reclaimed Water System**.

	Current Charge		New Charge						
	Inside Cocoa	Outside Cocoa	Inside Cocoa Oct. 1, 2010	Inside Cocoa Jan. 1, 2011	Outside Cocoa Oct. 1, 2010	Outside Cocoa Jan. 1, 2011	Tier 1	Tier2	Tier 3
Base Rate – Reclaimed Water									
.75 inch meter	$5.92	$7.40	$6.54	$7.06	$8.18	$8.83	0-30	31-60	over 60
1.0 inch meter	$5.92	$7.40	$6.54	$7.06	$8.18	$8.83	0-30	31-60	over 60
1.5 inch meter	$29.62	$37.03	$32.70	$35.32	$40.88	$44.15	0-150	151-300	over 300
2.0 inch meter	$39.49	$49.36	$43.60	$47.09	$54.50	$58.86	0-200	201-400	over 400
3.0 inch meter	$157.95	$197.44	$174.40	$188.35	$218.00	$235.44	0-800	801-1,600	over 1,600
4.0 inch meter	$236.93	$296.16	$261.60	$282.53	$327.00	$353.16	0-1,200	1,201-2,400	over 2,400
Monthly Reclaimed Water Usage Rate per 1,000 gallons									
1st Tier	included in base	included in base	included in base		included in base				
2nd Tier	$0.39	$0.49	$0.44	$0.48	$0.55	$0.60			
3rd Tier	$0.59	$0.74	$0.65	$0.70	$0.81	$0.88			

Section 3. Potable Water Impact Fees. The following water impact fee is hereby adopted:

The current water impact fee is $1,000 per equivalent residential connection (ERC). If a single-family residence (SFR) has a physical connection to a live reclaimed water distributions system that serves the entire property at the time the impact fee is due for the property requiring service, the water impact fee is $650 per ERC.

a. Effective October 1, 2010, the water impact fee shall be $1,400 per equivalent residential connection (ERC). If a single-family residence (SFR) has a physical connection to a live reclaimed water distribution system that serves the entire property at the time the impact fee is due for the property requiring service, the water impact fee is $1,000 per ERC.

Meter Size	ERC	Reclaimed Water Not Connected	Reclaimed Water Connected
.75 inch meter (SFR only)	1.00	$ 1,400	$ 1,000
.75 inch meter (not SFR)	1.00	$ 1,400	$ 1,400
1.00 inch meter	2.50	$ 3,500	$ 3,500
1.50 inch meter	6.00	$ 8,400	$ 8,400
2.00 inch meter	13.00	$ 18,200	$ 18,200

For meters larger than 2", the impact fee will be calculated case by case.

Unit Description	ERC	Reclaimed Water Not Connected	Reclaimed Water Connected
Single Family Residence	1.00	$ 1,400	$ 1,000
Apartment or Condo 1 Bath	0.80	$ 1,120	$ 1,120
Apartment or Condo 2 Bath	1.00	$ 1,400	$ 1,400
Hotel/Motel	0.60	$ 840	$ 840

b. Effective October 1, 2011, the water impact fee shall be $1,750 per equivalent residential connection (ERC). If a single-family residence (SFR) has a physical connection to a live reclaimed water distribution system that serves the entire property at the time the impact fee is due for the property requiring service, the water impact fee is $1,300 per ERC.

Meter Size	ERC	Reclaimed Water Not Connected	Reclaimed Water Connected
.75 inch meter (SFR only)	1.00	$ 1,750	$ 1,300
.75 inch meter (not SFR)	1.00	$ 1,750	$ 1,750
1.00 inch meter	2.50	$ 4,375	$ 4,375
1.50 inch meter	6.00	$ 10,500	$ 10,500
2.00 inch meter	13.00	$ 22,750	$ 22,750

For meters larger than 2", the impact fee will be calculated case by case.

Unit Description	ERC	Reclaimed Water Not Connected	Reclaimed Water Connected
Single Family Residence	1.00	$ 1,750	$ 1,300
Apartment or Condo 1 Bath	0.80	$ 1,400	$ 1,400
Apartment or Condo 2 Bath	1.00	$ 1,750	$ 1,750
Hotel/Motel	0.60	$ 1,050	$ 1,050

Section 4. Incorporation into City Code and Utilities Handbook. The City Clerk is hereby instructed to fully incorporate the amendment stated in Sections 2 and 3 into the schedule of rates and charges set forth in Sections 22-18 and 22-26 of the City Code forthwith and the Utilities Department is hereby instructed to fully incorporate the amendments into the Utilities Handbook forthwith. Any section or paragraph number or letter and any heading therein may be changed or modified as necessary to effectuate the foregoing. It is intended that the text in the Utilities Handbook and Sections 22-18 and 22-26 of the City Code shall remain unchanged from the language existing prior to adoption of this resolution except as amended herein.

Section 5. Rate Adjustment. Subject to prior annual review by the City Council, the water, wastewater and reclaimed water fixed monthly charges and usage rates as amended in Section 2 shall be adjusted annually by a five (5) percent increase to said fixed monthly charges and usage rates. The increase shall be effective on October 1 of each year beginning October 1, 2011.

Section 6. Repeal of Prior Inconsistent Resolutions. All resolutions or parts of resolutions in conflict herewith are hereby repealed to the extent of the conflict.

Section 7. Severability. Should any section or provision of this resolution, or any portion hereof, any paragraph, sentence, or word be declared by a Court of competent jurisdiction to be invalid, such decision shall not affect the validity of the remainder hereto as a whole or part thereof to be declared invalid.

Section 8. Effective Date. This resolution shall become effective immediately upon adoption of the City Council of the City of Cocoa, Florida. However, as set forth herein, the adjustments to the water, wastewater and reclaimed water fixed monthly charges and usage rates provided in

Section 2 shall be implemented in two phases on October 1, 2010 and January 1, 2011; the adjustments to the water tier structure provided in Section 2 shall be implemented on October 1, 2010; the adjustments to the water impact fee provided in Section 3 shall be implemented in two phases on October 1, 2010 and October 1, 2011 as set forth herein.

ADOPTED by the City Council of the City of Cocoa, Florida, in a regular meeting assembled this 14th day of September, 2010.

MICHAEL C. BLAKE, MAYOR

ATTEST:

JOAN CLARK, CITY CLERK

RESOLUTION NO. 2011-051

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF COCOA, FLORIDA, PROVIDING THAT THE CITY'S FIRE PROTECTION SERVICE CHARGES SHALL BE SUBJECT TO THE ANNUAL RATE ADJUSTMENT ESTABLISHED IN RESOLUTION 2010-123; PROVIDING FOR THE UPDATE OF THE UTILITIES HANDBOOK AND THE CITY CODE; PROVIDING FOR THE REPEAL OF PRIOR INCONSISTENT RESOLUTIONS; PROVIDING FOR SEVERABILITY; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, section 22-26, Schedule A, of the Cocoa City Code sets forth the various rates and charges applicable to the City's water rates and charges, and provides that the City Council, by resolution, shall establish or amend from time to time said charges and rates; and

WHEREAS, pursuant to section 22-26 of the City Code, on August 12, 2008, the City Council approved Resolution No. 2008-74, which adopted comprehensive updates to the City's water rates and charges, including, among other charges, fire protection service charges; and

WHEREAS, on September 14, 2010, the City Council adopted Resolution No. 2010-123, revising certain water impact fees, as well as water, wastewater and reclaimed water monthly fixed charges and usage rates; and

WHEREAS, while Resolution No. 2010-123 did not revise the charges applicable to fire protection service charges, it inadvertently neglected to include said charges in the list of charges set forth in Section 5 of Resolution No. 2010-123 subject to an annual rate adjustment; and

WHEREAS, the City Council desires to correct this oversight by clarifying that the City's fire protection service charges previously established by Resolution No. 2008-74 shall also be subject to the annual rate adjustment established in Resolution No. 2010-123; and

WHEREAS, the City Council deems this Resolution to be in the best interests of the public health, safety and welfare of its citizens and other users of the City's utilities system.

NOW, THEREFORE BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF COCOA, FLORIDA, AS FOLLOWS:

Section 1. Incorporation of Recitals. The foregoing recitals are deemed to be true and accurate and are hereby fully incorporated herein by this reference.

Section 2. Rate Adjustment. Subject to prior annual review by the City Council, the City's fire protection service charges shall be increased annually by five percent (5%). The increase shall be effective on October 1 of each year beginning October 1, 2011.

Section 3. Incorporation into City Code and Utilities Handbook. The City Clerk is hereby instructed to fully incorporate the City's current fire protection service charges into the schedule of rates and charges set forth in Section 22-26 of the City Code forthwith and the Utilities

Department is hereby instructed to fully incorporate the charges into the Utilities Handbook forthwith. Any section or paragraph number or letter and any heading therein may be changed or modified as necessary to effectuate the foregoing.

Section 4. Repeal of Prior Inconsistent Resolutions. All resolutions or parts of resolutions in conflict herewith are hereby repealed to the extent of the conflict.

Section 5. Severability. Should any section or provision of this resolution, or any portion hereof, any paragraph, sentence, or word be declared by a Court of competent jurisdiction to be invalid, such decision shall not affect the validity of the remainder hereto as a whole or part thereof to be declared invalid.

Section 6. Effective Date. This resolution shall become effective immediately upon adoption of the City Council of the City of Cocoa, Florida.

ADOPTED by the City Council of the City of Cocoa, Florida, in a regular meeting assembled this 6th day of June, 2011.

MICHAEL C. BLAKE, MAYOR

ATTEST:

JOAN CLARK, CITY CLERK

RESOLUTION NO. 2011-084

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF COCOA, FLORIDA AMENDING RESOLUTION NO. 2010-123 REVISING WATER, WASTEWATER, FIRE LINE AND HYDRANT, AND RECLAIMED WATER MONTHLY FIXED CHARGES AND USAGE RATES; PROVIDING FOR THE UPDATE OF THE UTILITIES HANDBOOK AND THE CITY CODE; PROVIDING FOR SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, Section 22-41 of the Cocoa City Code provides that the City Council, by resolution, shall establish or amend from time to time the charges for service and water usage for water, sewer and reclaimed water; and

WHEREAS, the City Council previously adopted Resolution 2010-123 revising and adopting water, wastewater, hydrant and reclaimed water monthly fixed charges and usage rates based upon due consideration of a comprehensive rate study prepared and presented to the City Council by Burton & Associates; and

WHEREAS, Resolution 2010-123 provides that subject to prior City Council review, said rates and charges will automatically increase by 5 percent effective October 1; and

WHEREAS, on August 9, 2011, the City Council held an advertised public hearing to review the rates and charges set forth in Resolution 2010-123; and

WHEREAS, after the hearing and upon the advice and recommendation of Burton & Associates, the City Council directed that City staff prepare a resolution amending the rates and charges set forth in Resolution 2010-123 for City fiscal year 2011-2012 contrary to the automatic 5 percent increase required by section 5 of Resolution 2010-123; and

WHEREAS, in order to permit City staff to prepare the resolution, the City Council postponed a final decision on revising the rates and charges until the next regularly scheduled City Council meeting on August 23, 2011 at 7:00 P.M.; and

WHEREAS, after careful consideration and deliberation, and consideration of the comprehensive rate study prepared and presented to the City Council by Burton & Associates, and the capital improvement needs of the City's utility systems, the City Council deems it is in the best interests of the public health, safety and welfare of its citizens and other users of the City's utility system to amend Resolution 2010-123 by revising the rates and charges for reclaimed, water, and wastewater service and fire hydrants as set forth herein; and

WHEREAS, the City Council hereby finds that the revised rates and charges are deemed just and equitable.

NOW, THEREFORE BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF COCOA, FLORIDA, AS FOLLOWS:

Section 1. Incorporation of Recitals. The foregoing recitals are deemed to be true and accurate and are hereby fully incorporated herein by this reference.

Section 2. One year Suspension of Five percent (5%) Rate Adjustment. The Five percent (5%) annual rate adjustment set forth in section 5 of Resolution 2010-123 is hereby suspended for the City fiscal year 2011-2012. Said adjustment shall recommence on October 1, 2012, subject to prior annual review by the City Council.

Section 3. Amended Fixed Monthly Charges, Usage Rates. The water, wastewater, and fire line and hydrant rates and charges set forth in Section 2 of Resolution 2010-123 are hereby amended as follows for the City fiscal year 2011-2012, effective October 1, 2011:

Water Monthly Fixed Charges and Usage Charges

	Current Charge		Proposed Charge	
	Inside Cocoa	Outside Cocoa	Inside Cocoa	Outside Cocoa
Fixed Monthly Charge – Water				
.75 inch meter	$11.40	$12.54	$12.03	$13.23
1.0 inch meter	$27.60	$30.36	$29.12	$32.03
1.5 inch meter	$50.07	$55.08	$52.82	$58.10
2.0 inch meter	$125.23	$137.75	$132.12	$145.33
3.0 inch meter	$300.63	$330.69	$317.16	$348.88
4.0 inch meter	$450.94	$496.03	$475.74	$523.31
6.0 inch meter	$851.83	$937.01	$898.68	$988.55
8.0 inch meter	$1,183.82	$1,302.20	$1,248.93	$1,373.82
10.0 inch meter	$1,515.69	$1,667.26	$1,599.05	$1,758.96
Monthly Water Usage Rate per 1,000 gallons				
1st Tier	$2.37	$2.61	$2.50	$2.75
2nd Tier	$4.54	$4.99	$4.79	$5.27
3rd Tier	$5.91	$6.50	$6.24	$6.86
4th Tier	$7.97	$8.77	$8.41	$9.25

Wastewater Monthly Fixed Charges and Usage Charges

	Current Charge		Proposed Charge	
	Inside Cocoa	Outside Cocoa	Inside Cocoa	Outside Cocoa
Fixed Monthly Charge – Wastewater				
.75 inch meter	$11.51	$14.39	$11.63	$14.54
1.0 inch meter	$21.52	$26.90	$21.74	$27.18
1.5 inch meter	$43.18	$53.98	$43.61	$54.51
2.0 inch meter	$107.87	$134.84	$108.95	$136.19
3.0 inch meter	$431.73	$539.66	$436.05	$545.06
4.0 inch meter	$647.60	$809.50	$654.08	$817.60
6.0 inch meter	$1,165.68	$1,457.10	$1,177.34	$1,471.68
8.0 inch meter	$1,865.19	$2,331.49	$1,883.84	$2,354.80
10.0 inch meter	$2,681.22	$3,351.53	$2,708.03	$3,385.04
Monthly Wastewater Usage Rate per 1,000 gallons				
	$5.46	$6.83	$5.51	$6.89

Fire lines and Hydrants

	Current Charge		Proposed Charge	
	Inside Cocoa	Outside Cocoa	Inside Cocoa	Outside Cocoa
Fixed Monthly Charge-Fire Lines				
4.0 inch line	$48.09	$52.90	$50.49	$55.54
6.0 inch line	$58.93	$64.82	$61.88	$68.07
8.0 inch line	$76.88	$84.57	$80.72	$88.79
10.00 inch line	$94.83	$104.31	$99.57	$109.53

Public Fire Protection Per Each Fire Hydrant-(Cities)

Current Charge	Proposed Charge
$18.04	$18.94

Public Fire Protection Per County Customer

Current Charge	Proposed Charge
$1.78	$1.87

Section 4. Other Rates, Charges, and Fees. All other rates, charges, and fees adopted pursuant to Resolution 2010-123 that are not amended by this Resolution shall remain the same and be in full and effect as set forth in Resolution 2010-123, until otherwise adjusted by section 5 of Resolution 2010-123 or by other action of the City Council.

Section 5. Incorporation into City Code. The City Clerk is hereby instructed to fully incorporate the amendments stated in sections 3 of this Resolution into the schedule of rates and charges set forth in Sections 22-18 and 22-26 of the City Code and into the Utilities Handbook forthwith and any section or paragraph number or letter and any heading therein may be changed or modified as necessary to effectuate the foregoing.

Section 6. Severability. Should any section or provision of this resolution, or any portion hereof, any paragraph, sentence, or work be declared by a Court of competent jurisdiction to be invalid, such decision shall not affect the validity of the remainder hereto as a whole or part thereof to be declared invalid.

Section 7. Effective Date. This resolution has become effective immediately upon adoption of the City Council of the City of Cocoa, Florida; however, the adjustments to the water, sewer, and fire line and hydrant charges provided in Section 3 shall become effective October 1, 2011.

[Adoption page Follows]

ADOPTED by the City Council of the City of Cocoa, Florida, in a regular meeting assembled this 23rd day of August 23, 2011.

MICHAEL C. BLAKE, MAYOR

ATTEST:

JOAN CLARK, CITY CLERK

RESOLUTION NO. 2015- 061

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF COCOA, FLORIDA REVISING WATER, SEWER AND RECLAIMED WATER CHARGES AND USAGE RATES; PROVIDING FOR THE UPDATE OF THE CITY CODE; PROVIDING FOR ANNUAL INCREASES ON OCTOBER 1ST; PROVIDING FOR REPEAL OF PRIOR INCONSISTENT RESOLUTIONS; PROVIDING FOR SEVERABILITY; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, Section 22-41 of the Cocoa City Code provides that the City Council, by resolution, shall establish or amend from time to time the charges for service and water usage for water, sewer and reclaimed water; and

WHEREAS, after careful consideration and deliberation, and consideration of the comprehensive rate study prepared by Burton & Associates, dated August 24, 2015, the City Council deems it is in the best interests of the public health, safety and welfare of its citizens and other users of the City's utility system to revise the rates and charges for reclaimed, water, wastewater , fire lines and hydrant service as set forth herein, which are hereby found to be just and equitable.

NOW, THEREFORE BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF COCOA, FLORIDA, AS FOLLOWS:

Section 1. Incorporation of Recitals. The foregoing recitals are deemed to be true and accurate and are hereby fully incorporated herein by this reference.

Section 2. Adoption of Rates and Charges; Ratification of Prior Rates and Charges.

(a) The utility rate charges for water, sewer, reclaimed water, and fire lines and hydrants which are set forth in **EXHIBIT "A"** are hereby adopted by the City Council. **EXHIBIT "A"** is attached hereto and fully incorporated herein by this reference.

(b) All prior utility rate charges for water, sewer, reclaimed water, and fire lines and hydrants previously imposed by the City Council and charged to utility customers are hereby found to have been just and equitable and are hereby ratified by the City Council as lawfully imposed charges of the City.

Section 3. Incorporation into City Code. The City Clerk is hereby instructed to fully incorporate the amendments stated in sections 2(a) into the schedule of rates and charges set forth in Sections 22-18 and 22-26 of the City Code and into the Utilities Handbook forthwith and any section or paragraph number or letter and any heading therein may be changed or modified as necessary to effectuate the foregoing.

Section 4. Annual Rate Adjustment. The water, sewer, reclaimed and fire lines and hydrant charges adopted in Section 2(a) of this Resolution shall be automatically adjusted annually by a three (3) percent increase to said charges. The annual adjustment shall be effective on October 1

of each year beginning with the first adjustment on October 1, 2016 and ending with the last adjustment on October 1, 2025. Notwithstanding, the annual adjustment permitted under this Section 4 shall be subject to suspension or reduction by the City Council on an annual basis prior to the effective date of the automatic annual adjustment. Any suspension or reduction shall be based on the City Council's periodic evaluation of the financial management plan of the City's Utility System, particularly the updated revenue and expenses, as well as changes in economic conditions, water consumption, regulatory requirements and other factors.

Section 6. Repeal of Prior Inconsistent Resolutions. All resolutions or parts of resolutions in conflict herewith are hereby repealed to the extent of the conflict.

Section 7. Severability. Should any section or provision of this Resolution, or any portion hereof, any paragraph, sentence, or work be declared by a Court of competent jurisdiction to be invalid, such decision shall not affect the validity of the remainder hereto as a whole or part thereof to be declared invalid.

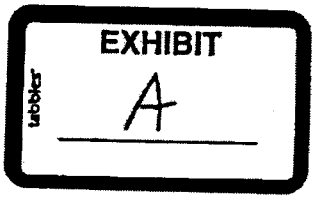
Section 8. Effective Date. This Resolution has become effective immediately upon adoption of the City Council of the City of Cocoa, Florida; however, the adjustments to the water, sewer, reclaim, and fire lines and hydrant charges set forth in Section 2(a) shall become effective on October 1, 2015.

ADOPTED by the City Council of the City of Cocoa, Florida, in a regular meeting assembled this 8th day of September, 2015.

HENRY U. PARRISH, MAYOR

ATTEST:

CARIE SHEALY, CITY CLERK



Water Monthly Fixed Charges and Usage Charges

	Current Charge		Proposed Charge	
	Inside Cocoa	Outside Cocoa	Inside Cocoa	Outside Cocoa
Fixed Monthly Charge – Water				
.75 inch meter	$13.26	$14.59	$13.66	$15.03
1.0 inch meter	$32.11	$35.32	$33.07	$36.38
1.5 inch meter	$58.23	$64.05	$59.98	$65.98
2.0 inch meter	$145.67	$160.24	$150.04	$165.04
3.0 inch meter	$349.67	$384.36	$360.16	$396.18
4.0 inch meter	$524.51	$576.96	$540.25	$594.28
6.0 inch meter	$990.79	$1,089.87	$1,020.51	$1,122.56
8.0 inch meter	$1,376.95	$1,514.65	$1,418.26	$1,560.09
10.0 inch meter	$1,762.95	$1,939.25	$1,815.84	$1,997.42
Monthly Water Usage Rate per 1,000 gallons				
1st Tier	$2.76	$3.07	$2.84	$3.12
2nd Tier	$5.28	$5.87	$5.44	$5.98
3rd Tier	$6.88	$7.65	$7.09	$7.80
4th Tier	$9.27	$10.30	$9.55	$10.51

Wastewater Monthly Fixed Charges and Usage Charges

	Current Charge		Proposed Charge	
	Inside Cocoa	Outside Cocoa	Inside Cocoa	Outside Cocoa
Fixed Monthly Charge – Wastewater				
.75 inch meter	$12.82	$16.03	$13.20	$16.50
1.0 inch meter	$23.97	$29.96	$24.69	$30.86
1.5 inch meter	$48.08	$60.10	$49.52	$61.90
2.0 inch meter	$120.12	$150.15	$123.72	$154.65
3.0 inch meter	$480.74	$600.93	$495.16	$618.95
4.0 inch meter	$721.12	$901.40	$742.75	$928.44
6.0 inch meter	$1,298.02	$1,622.53	$1,336.96	$1,671.20
8.0 inch meter	$2,076.93	$2,596.16	$2,139.24	$2,674.05
10.0 inch meter	$2,985.60	$3,732.00	$3,075.17	$3,843.96
Monthly Wastewater Usage Rate per 1,000 gallons				
	$6.08	$7.60	$6.26	$7.83

Reclaimed Water Monthly Fixed Charges and Usage Charges

	Current Charge		Proposed Charge	
	Inside Cocoa	Outside Cocoa	Inside Cocoa	Outside Cocoa
Base Rate – Reclaim Water				
.75 inch meter	$7.78	$9.73	$8.01	$10.01
1.0 inch meter	$7.78	$9.73	$8.01	$10.01
1.5 inch meter	$38.94	$48.68	$40.11	$50.14
2.0 inch meter	$51.91	$64.89	$53.47	$66.84
3.0 inch meter	$207.66	$259.58	$213.89	$267.36
4.0 inch meter	$311.49	$389.36	$320.83	$401.04
Monthly Reclaim Water Usage Rate per 1,000 gallons				
1st Tier	included in base	included in base	included in base	included in base
2nd Tier	$0.53	$0.66	$0.55	$0.69
3rd Tier	$0.78	$0.98	$0.80	$1.00

Fire lines and Hydrants

	Current Charge		Proposed Charge	
	Inside Cocoa	Outside Cocoa	Inside Cocoa	Outside Cocoa
Fixed Monthly Charge-Fire Lines				
4.0 inch line	$55.66	$61.23	$57.33	$63.06
6.0 inch line	$68.22	$75.04	$70.27	$77.30
8.0 inch line	$89.00	$97.90	$91.67	$100.84
10.00 inch line	$109.78	$120.76	$113.07	$124.38

Public Fire Protection Per Each Fire Hydrant-(Cities)

Current Charge	Proposed Charge
$20.88	$21.51

Public Fire Protection Per County Customer

Current Charge	Proposed Charge
$2.06	$2.12

RESOLUTION NO. 2016-____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF COCOA, FLORIDA REVISING WATER, SEWER AND RECLAIMED WATER CHARGES AND USAGE RATES; PROVIDING FOR THE UPDATE OF THE CITY CODE; PROVIDING FOR ANNUAL INCREASES ON OCTOBER 1ST; PROVIDING FOR REPEAL OF PRIOR INCONSISTENT RESOLUTIONS; PROVIDING FOR SEVERABILITY; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, Section 22-41 of the Cocoa City Code provides that the City Council, by resolution, shall establish or amend from time to time the charges for service and water usage for water, sewer and reclaimed water; and

WHEREAS, after careful consideration and deliberation, and consideration of the comprehensive rate study prepared by Burton & Associates, dated _____, 2016, the City Council deems it is in the best interests of the public health, safety and welfare of its citizens and other users of the City's utility system to revise the rates and charges for reclaimed, water, wastewater , fire lines and hydrant service as set forth herein, which are hereby found to be just and equitable.

NOW, THEREFORE BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF COCOA, FLORIDA, AS FOLLOWS:

Section 1. Incorporation of Recitals. The foregoing recitals are deemed to be true and accurate and are hereby fully incorporated herein by this reference.

Section 2. Adoption of Rates and Charges; Ratification of Prior Rates and Charges.

(a) The utility rate charges for water, sewer, reclaimed water, and fire lines and hydrants which are set forth in **EXHIBIT "A"** are hereby adopted by the City Council. **EXHIBIT "A"** is attached hereto and fully incorporated herein by this reference.

(b) All prior utility rate charges for water, sewer, reclaimed water, and fire lines and hydrants previously imposed by the City Council and charged to utility customers are hereby found to have been just and equitable and are hereby ratified by the City Council as lawfully imposed charges of the City.

Section 3. Incorporation into City Code. The City Clerk is hereby instructed to fully incorporate the amendments stated in sections 2(a) into the schedule of rates and charges set forth in Sections 22-18 and 22-26 of the City Code and into the Utilities Handbook forthwith and any section or paragraph number or letter and any heading therein may be changed or modified as necessary to effectuate the foregoing.

Section 4. Annual Rate Adjustment. The water, sewer, reclaimed and fire lines and hydrant charges adopted in Section 2(a) of this Resolution shall be automatically adjusted annually by a

five (5) percent increase to said charges. The annual adjustment shall be effective on October 1 of each year beginning with the first adjustment on October 1, 2017 and ending with the last adjustment on October 1, 2025. Notwithstanding, the annual adjustment permitted under this Section 4 shall be subject to suspension or reduction by the City Council on an annual basis prior to the effective date of the automatic annual adjustment. Any suspension or reduction shall be based on the City Council's periodic evaluation of the financial management plan of the City's Utility System, particularly the updated revenue and expenses, as well as changes in economic conditions, water consumption, regulatory requirements and other factors.

Section 6. Repeal of Prior Inconsistent Resolutions. All resolutions or parts of resolutions in conflict herewith are hereby repealed to the extent of the conflict.

Section 7. Severability. Should any section or provision of this Resolution, or any portion hereof, any paragraph, sentence, or work be declared by a Court of competent jurisdiction to be invalid, such decision shall not affect the validity of the remainder hereto as a whole or part thereof to be declared invalid.

Section 8. Effective Date. This Resolution has become effective immediately upon adoption of the City Council of the City of Cocoa, Florida; however, the adjustments to the water, sewer, reclaim, and fire lines and hydrant charges set forth in Section 2(a) shall become effective on October 1, 2016.

ADOPTED by the City Council of the City of Cocoa, Florida, in a regular meeting assembled this ____ day of _____, 2016.

_____
HENRY U. PARRISH, MAYOR

ATTEST:

_____
CARRIE SHEALY, CITY CLERK

Water Monthly Fixed Charges and Usage Charges

	Current Charge		Proposed Charge	
	Inside Cocoa	Outside Cocoa	Inside Cocoa	Outside Cocoa
Fixed Monthly Charge – Water				
.75 inch meter	$13.66	$15.03	$14.34	$15.77
1.0 inch meter	$33.07	$36.38	$34.72	$38.19
1.5 inch meter	$59.98	$65.98	$62.98	$69.28
2.0 inch meter	$150.04	$165.04	$157.54	$173.29
3.0 inch meter	$360.16	$396.18	$378.17	$415.99
4.0 inch meter	$540.25	$594.28	$567.26	$623.99
6.0 inch meter	$1,020.51	$1,122.56	$1,071.54	$1,178.69
8.0 inch meter	$1,418.26	$1,560.09	$1,489.17	$1,638.09
10.0 inch meter	$1,815.84	$1,997.42	$1,906.63	$2,097.29
Monthly Water Usage Rate per 1,000 gallons				
1st Tier	$2.84	$3.12	$2.98	$3.28
2nd Tier	$5.44	$5.98	$5.71	$6.28
3rd Tier	$7.09	$7.80	$7.44	$8.18
4th Tier	$9.55	$10.51	$10.03	$11.03

Wastewater Monthly Fixed Charges and Usage Charges

	Current Charge		Proposed Charge	
	Inside Cocoa	Outside Cocoa	Inside Cocoa	Outside Cocoa
Fixed Monthly Charge – Wastewater				
.75 inch meter	$13.20	$16.50	$13.86	$17.33
1.0 inch meter	$24.69	$30.86	$25.92	$32.40
1.5 inch meter	$49.52	$61.90	$52.00	$65.00
2.0 inch meter	$123.72	$154.65	$129.91	$162.38
3.0 inch meter	$495.16	$618.95	$519.92	$649.90
4.0 inch meter	$742.75	$928.44	$779.89	$974.86
6.0 inch meter	$1,336.96	$1,671.20	$1,403.81	$1,754.76
8.0 inch meter	$2,139.24	$2,674.05	$2,246.20	$2,807.75
10.0 inch meter	$3,075.17	$3,843.96	$3,228.93	$4,036.16
Monthly Wastewater Usage Rate per 1,000 gallons				
	$6.26	$7.83	$6.57	$8.22

Reclaimed Water Monthly Fixed Charges and Usage Charges

	Current Charge		Proposed Charge	
	Inside Cocoa	Outside Cocoa	Inside Cocoa	Outside Cocoa
Base Rate – Reclaim Water				
.75 inch meter	$8.01	$10.01	$8.41	$10.51
1.0 inch meter	$8.01	$10.01	$8.41	$10.51
1.5 inch meter	$40.11	$50.14	$42.12	$52.65
2.0 inch meter	$53.47	$66.84	$56.14	$70.18
3.0 inch meter	$213.89	$267.36	$224.58	$280.73
4.0 inch meter	$320.83	$401.04	$336.87	$421.09
Monthly Reclaim Water Usage Rate per 1,000 gallons				
1st Tier 0-30,000 g	included in base	included in base	included in base	included in base
2nd Tier 31,000-60,000 gallons	$0.55	$0.69	$0.58	$0.72
3rd Tier > than 61,000 gallons	$0.80	$1.00	$0.84	$1.05

Fire lines and Hydrants

	Current Charge		Proposed Charge	
	Inside Cocoa	Outside Cocoa	Inside Cocoa	Outside Cocoa
Fixed Monthly Charge-Fire Lines				
4.0 inch line	$57.33	$63.06	$60.20	$66.21
6.0 inch line	$70.27	$77.30	$73.78	$81.17
8.0 inch line	$91.67	$100.84	$96.25	$105.88
10.00 inch line	$113.07	$124.38	$118.72	$130.60

Public Fire Protection Per Each Fire Hydrant-(Cities)

Current Charge	Proposed Charge
$21.51	$22.59

Public Fire Protection Per County Customer

Current Charge	Proposed Charge
$2.12	$2.23

City of Cocoa

FY 2016 Utility Rate Study

Water, Sewer & Reclaimed Water Revenue Sufficiency Analysis Update

Final Report

August 17, 2016

Prepared by:

BURTON & ASSOCIATES
UTILITY RATES ▪ ASSESSMENTS ▪ FINANCIAL PLANNING


CITY OF
cocoa

BURTON & ASSOCIATES

August 16, 2016

Mr. John Titkanich, AICP
City Manager
City of Cocoa
65 Stone Street
Cocoa, FL 32922

Re: FY 2016 Utility Rate Study – Final Report

Dear Mr. Titkanich:

Burton & Associates is pleased to present this Final Report of the FY 2016 Utility Rate Study that we have performed for the City's Water and Sewer Enterprise Fund.

We appreciate the fine assistance provided by you and all of the members of City staff who participated in the analysis.

If you have any questions, please do not hesitate to call me at (904) 247-0787.

Sincerely,



Michael Burton
President

Enclosure

BURTON & ASSOCIATES
1000 North Ashley Drive, Suite 513 • Tampa, Florida 33602 • Phone (813) 443-5138 • Fax (813) 443-8289
E-mail: *aburnham@burtonandassociates.com*

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SECTION 1. INTRODUCTION

Burton & Associates has completed the FY 2016 Utility Rate Study (Study) for the City of Cocoa Water & Sewer Systems (Utility), consisting of an update to the water, sewer and reclaimed water ten-year revenue sufficiency analysis prepared in FY 2015 (FY 2015 Study). This Report describes in detail the procedures, assumptions, and results of the Study, as well as the final conclusions and recommendations.

1.1 BACKGROUND

In FY 2010, the City of Cocoa (City) initially retained the services of Burton & Associates to conduct a comprehensive rate study that included an evaluation of the adequacy of the revenue provided by the Utility's then current rates and charges to meet its financial requirements over a five-year planning period and ten-year projection period and identification of alternative plans of annual water, sewer, and reclaimed water rate revenue adjustments necessary to satisfy such requirements.

As part of its ongoing financial management plan, the City has retained the services of Burton & Associates on an annual basis to update the water, sewer, and reclaimed water ten-year revenue sufficiency analyses, and to identify whether any modifications were necessary to the approved plan of annual rate revenue adjustments. The studies conducted in FY 2012 - FY 2014 reflected that a plan of 5.00% annual water, sewer, and reclaimed water rate adjustments would generate sufficient revenue for the Utility to satisfy its operating and capital requirements, while maintaining strong debt service coverage and operating reserve levels.

The FY 2015 Study included the results of an analysis of the Utility's policy of fund transfers to the City's General Fund. The analysis resulted in the imposition of a Return on Investment based transfer that would prove to be more consistent and predictable compared to the prior method of transferring excess cash flow. Due to this decreased payment to the General Fund, the FY 2015 Study demonstrated that the Utility could still satisfy all its financial requirements with a 3.00% rate increase.

As part of the annual financial management of the Utility, the City has again retained the services of Burton & Associates to review and potentially adjust the plan of annual rate revenue adjustments for FY 2017 and subsequent years as approved on June 8, 2010 based upon an update of the revenue sufficiency analysis completed in FY 2015.

1.2 OBJECTIVES

Update Revenue Sufficiency Analysis – To evaluate the sufficiency of the approved plan of annual water, sewer, and reclaimed water rate adjustments based upon the Utility's updated financial requirements over a multi-year period, including 1) operations and maintenance costs, 2) capital improvement program costs (including renewal and replacement requirements), 3) existing and new debt service expenses and corresponding net income to debt service coverage ratios, and 4) adequate operating reserves.

Update Residential Rate Survey – To compare the monthly water and sewer bill of the Utility's "typical" residential users to those of other utility systems in Brevard County.

SECTION 2. REVENUE SUFFICIENCY ANALYSIS

The primary objective of the Study was to update the revenue sufficiency analysis (RSA) completed in FY 2015. This Section of the Report presents the procedures, assumptions, and results of the RSA. Appendix B of this Report includes the supporting financial schedules for the RSA.

2.1 DESCRIPTION

The RSA begins with FY 2016 data, however the majority of this information serves as the base data upon which future year projections of rate revenues and fund balances are derived. Consequently, for the purposes of this RSA, FY 2016 is not considered to be part of the near-term 5-year planning period (FY 2017 – FY 2021) or longer-term 10-year projection period (FY 2017 – FY 2026).

For each of the Utility's various funds, FY 2016 beginning fund balances were established based upon audited financial information, as of September 30, 2015, in the City's FY 2015 Comprehensive Annual Financial Report, as well as other supporting trial balance and fund information provided by City staff. It is important to note that funds reserved or encumbered for specific capital projects were included in the beginning fund balances, while the associated capital project costs were included in the capital improvement program.

The Utility's annual revenues consist of retail rate revenue, interest earnings, impact fee revenue, and other minor revenue from miscellaneous service charges. Future rate revenues were based upon FY 2015 actuals and estimated FY 2016 results[1], adjusted annually to reflect assumed rate increases, customer growth, and changes in demand. All

[1] Estimated FY 2016 water usage rate revenue was based upon seven months of actual revenue collected and extrapolated to a full year based upon the average total rate revenue collected through seven months of FY 2011 through FY 2015 as a percent of total annual rate revenue collected in each respective fiscal year.

other future non-rate revenues were based upon the FY 2017 Proposed Budget, excluding water and sewer impact fee revenues (which were calculated annually based upon the projected number of new connections) and interest earnings (which were calculated annually based upon projected average fund balances and assumed interest rates[2]).

The Utility's annual revenue requirements consist of operating and maintenance expenses, debt service requirements (including senior-lien and all subordinate debt), interfund transfers, and minor capital outlay requirements. All future operating and maintenance expenses[3] and minor capital outlay requirements were based upon the line item detail within the FY 2017 Proposed Budget, and escalated annually based upon assumed inflationary increases for each specific expense category. Annual debt service requirements reflect the current amortization schedules for each respective outstanding borrowing, and annual interfund transfers were determined based upon the applicable covenants within the master bond resolution and current City policy as appropriate.

The capital improvement program (CIP) costs included in the analysis were provided by City staff and are presented in project-level detail in Appendix B of this Report for each year of the projection period.

It is important to note that the City is adding 18 new Full-Time Employees (FTEs) in FY 2017. The associated salary and benefit cost for each FTE was brought into the model, totaling about $1.0 million in FY 2017.

2.2 ASSUMPTIONS

The following presents the assumptions and financial planning parameters upon which the RSA was based:

[2] Assumed annual interest earnings rate equals 0.75% in FY 2016, 1.00% in FY 2017, 1.25% in FY 2018, 1.50% in FY 2019, 1.75% in FY 2020, 2.00% in FY 2021, and 2.25% in FY 2022, and 2.50% in FY 2023 through the duration of the projection period.

[3] Excluding contingencies, which were calculated annually based upon 2% of projected annual operating and maintenance expenses.

2.2.1 Cost Escalation

Annual cost escalation factors for each of the various types of operating and maintenance (O&M) expenses were discussed with City staff and applied in each year of the projection period beginning in FY 2018. The specific escalation factors assumed for each expense are presented in Schedule 6 of Appendix B.

2.2.2 Growth

New connection and water/sewer sales growth projections were based upon a review of multiple years of historical data and discussions with City staff with regards to the current number of new service connections to the Utility. The customer growth projections of the water system are 900 equivalent residential units (ERU's) in FY 2017, 1000 ERU's in FY 2018, 1100 ERU's in FY 2019, 1200 ERU's in FY 2020 and each year thereafter.

The growth projections of the sewer system are 82 ERU's in FY 2017, 91 ERU's in FY 2018, 100 ERU's in FY 2019, and 109 in FY 2020 and each year thereafter.

The growth projections of the reclaimed water system are 20 ERU's in FY 2017, 22 ERU's in FY 2018, 24 ERU's in FY 2019, and 26 in FY 2020 and each year thereafter. This assumed growth schedule represents annual water, sewer, and reclaimed water growth rates ranging from 0.92% - 1.11%.

Regarding changes in billed water and sewer demands, FY 2016 reflects a 7.47% decrease in water consumption and a 5.05% decrease in sewer consumption (based upon the extrapolation of seven months of actual revenue data and discussions with staff). Each year thereafter, it is assumed that billed water will have a 0.50% decrease in average usage per account each year, while sewer and reclaimed water usages per account are assumed to remain constant.

2.2.3 Capital Improvement Program

FY 2016 estimated total capital expenditures were provided by City staff. For FY 2017 through FY 2021, the RSA reflects the Utility's current five-year CIP. Each year thereafter, total annual capital requirements were established based upon the annual average of the

preceding 5-year period. Beginning in FY 2018, an annual cost inflation factor of 3.0%[4] was applied to each project so as to account for inflation in the future cost of construction.

The spending levels of the CIP were then adjusted based on the actual projected spending levels in each year and assumed CIP execution of 100% in FY 2016 and FY 2017 and 75% each year thereafter. In total, the assumed executed CIP from FY 2016 – FY 2026 is about $210.5 million (adjusted for assumed inflation)[5].

2.2.4 Borrowing Assumptions

To the extent new debt is required in any year of the projection period, it is assumed to carry the following terms:

Long-Term Debt:

- Term: 30 Years
- Interest Rate: 4.50% in FY 2016, increasing 0.50% in FY 2017 and again in FY 2018, where it remains at 5.50% in each remaining year of the projection period
- Cost of Issuance: 2.00% of Par
- Debt Service Reserve: Equal to 1 year of annual debt service expense
- Projected long-term debt issued every other year, beginning in FY 2017

2.2.5 Debt Service and Coverage

The Utility must maintain net revenue (gross revenue minus operating expenses), plus impact fee revenue, that is at least 1.25 times greater than the annual debt service

[4] Based upon the 5-year average increase in utility construction costs, per the Engineering News Record Construction Cost Index (ENR-CCI).

[5] The total capital improvement program includes a significant investment in system infrastructure renewal and replacement, as identified in the Fixed Asset Inventory and Condition Evaluation Study completed in 2010 by CH2MHill.

requirement (i.e. the annual principal and interest payments) on its outstanding senior-lien debt.

This coverage requirement is a minimum requirement. To the extent the Utility is unable to meet this requirement, it could be found in technical default resulting in the Utility having its credit rating downgraded, which would affect the interest rate and terms of future financing initiatives. As a policy decision, utilities often measure revenue sufficiency and set rates based upon a higher coverage level so as to ensure compliance with these covenants in the event future projections of revenue and expenses do not occur as predicted. In fact, ratings agencies provide guidance as to levels of debt service coverage ratios they consider indicative of financially healthy utility systems. Accordingly, the RSA was conducted with a target ratio of 1.50, which is indicative of a financially healthy or strong utility system, per the evaluation criteria published by each of the major municipal utility rating agencies.

Additionally, on its outstanding SRF debt, the Utility must maintain net revenue (gross revenue minus operating expenses, senior-lien debt service expenses, and any revenue necessary to meet the senior-lien debt service coverage requirements) of 1.20 times greater than the annual debt service expense on its outstanding SRF debt. The rate adjustment plans presented in this report also maintain SRF debt service coverage ratios at or above a target of 1.50.

2.2.6 Minimum Operating Reserve

The Utility maintains a minimum operating reserve equal to 5 months of annual operating and maintenance expenses. Based upon our industry experience, water and sewer utilities will generally target a minimum working capital reserve, or operating reserve, in the range of 2 – 6 months of annual operating and maintenance expenses. This range is also consistent with the results of a recent analysis performed by the Rates and Charges Committee of the American Water Works Association (AWWA), which concluded that adequate working capital reserves for water and sewer utility systems should be between 2 – 6 months of operating and maintenance expenses, also indicating a financially healthy or strong utility system, per the evaluation criteria published by each of the major municipal utility rating agencies.

2.3 RESULTS

As previously stated, the primary objective of the Study was to update the most recent RSA completed in FY 2015 and verify, or adjust as necessary, the plan of 3.00% annual water, sewer, and reclaimed water rate adjustments. Upon updating the RSA with the data and assumptions detailed in this Report, the 3.00% annual adjustments to water, sewer, and reclaimed water rates are no longer sufficient to fund all of the Utility's operating and capital requirements while maintaining adequate debt service coverage and working capital reserves throughout the projection period. The primary factors driving the need for larger rate increases are the additional 18 FTEs the Utility is hiring in FY 2017, as well as decreased overall flows and billing. The Study concluded that 5.00% annual increases in water, sewer, and reclaimed water rate revenue will generate sufficient revenue for the Utility to satisfy its operating and capital requirements, while maintaining strong debt service coverage and operating reserve levels. Consequently, we recommend adjusting the current 3.00% annual adjustment plan to the original 5.00% annual water, sewer and reclaimed water rate adjustment beginning in FY 2017 and continuing through the projection period.

It is important to note that the 10-year average annual change in the US CPI – Water & Sewerage Maintenance Series has been approximately 6%, which is in excess of the identified plan of annual water, sewer, and reclaimed water rate revenue adjustments. The US CPI – Water & Sewerage Maintenance Series is a specific item category of the more than 200 item categories that make up the Consumer Price Index (CPI) structure and is of particular relevance to water and sewer utilities as it serves as a measure of the true change in the cost of water and sewer service to urban consumers.

Results of Comparative Rate Survey

As part of the Study, we also performed a comparative survey of the single-family water and sewer rates of other municipalities providing utility service in Brevard County. The survey presents the combined water and sewer monthly bill calculations, as well as the water-only monthly bill calculations, for each municipality assuming the rates in effect for each community in FY 2016 and 5,000 gallons per month of consumption.

The results of the survey indicate that the Utility charges a combined water and sewer monthly bill that is lower than the average of the utilities surveyed, and a water-only bill that is the third lowest in the survey, for "typical" residential users (5,000 gallons per month).

It is important to note that each monthly bill included in the survey was calculated based upon the current FY 2016 water and sewer rates. It is very likely that the majority of neighboring utilities surveyed will implement rate adjustments effective at the beginning of FY 2017. Therefore, it is our expectation that, if the City adopts the recommended 5.00% water, sewer, and reclaimed water rate revenue adjustments in FY 2017, the Utility will continue to charge low to average monthly utility bills to its typical single-family residential customers in FY 2017. The results of each survey are presented in Appendix A of this Report.

SECTION 3. CONCLUSIONS & RECOMMENDATIONS

Based upon the analysis presented herein and the results presented in the prior section, we have reached the following conclusions and recommendations:

- The approved plan of 3.00% annual water, sewer, and reclaimed water rate adjustments is no longer sufficient to meet the Utility's ongoing operating expenditure requirements, to fund renewal and replacement of its infrastructure, and to meet stated reserve and debt service coverage targets/parameters, primarily due to the addition of 18 new FTEs in FY 2017.

- Based upon the analysis presented herein, we recommend that the City implement the original plan of 5.00% water, sewer, and reclaimed water rate revenue increases, effective October 1, 2016, and annually on October 1 throughout the rest of the projection period, through FY 2026.

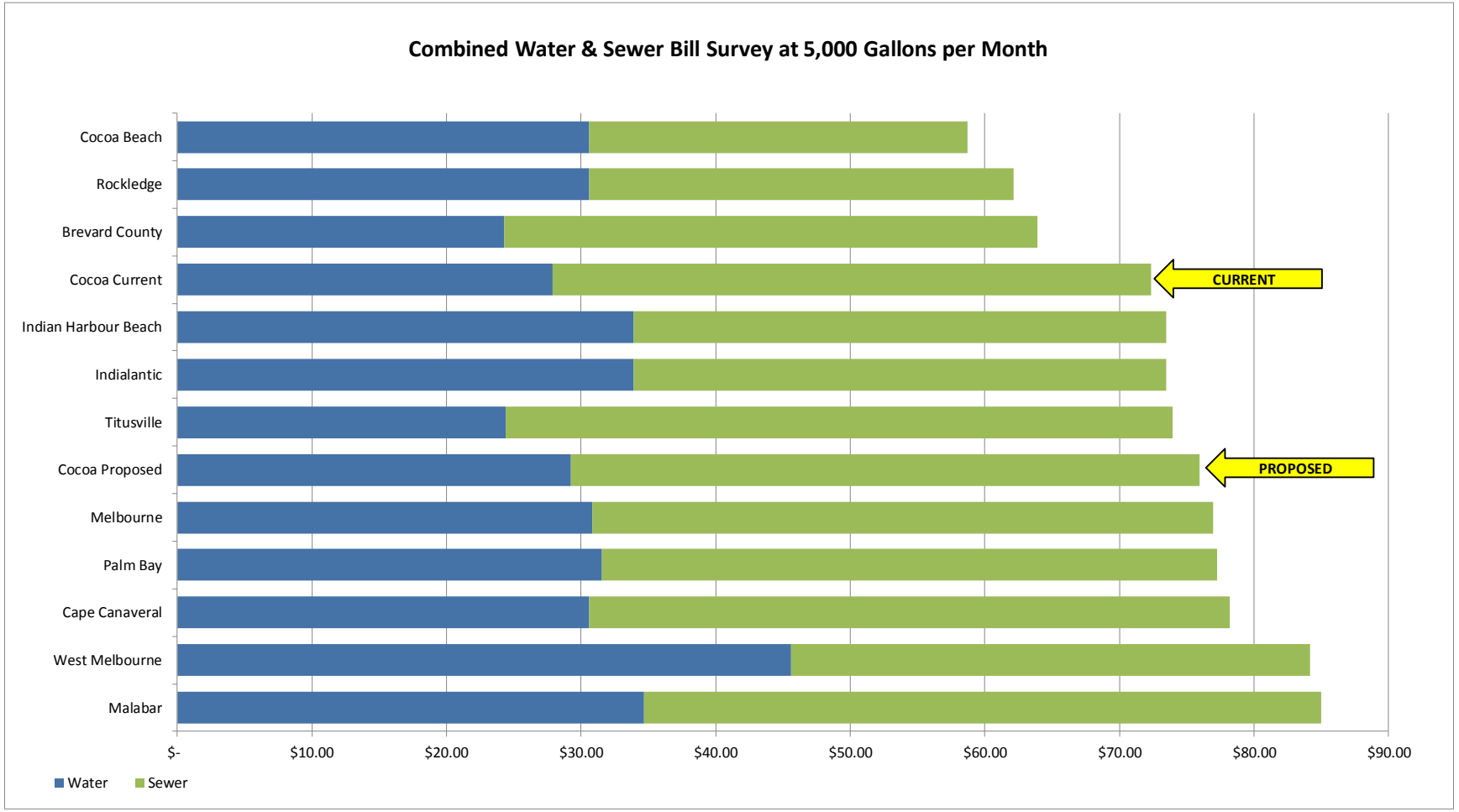
- Consistent with the direction provided by the City Council, the City should continue to update and review this analysis on an annual basis to evaluate the adequacy of its revenues and plan of annual water, sewer, and reclaimed water rate increases. Doing so will allow for the incorporation of updated revenue and expense information (including capital improvement requirements) as well as changes in economic conditions, water consumption, regulatory requirements, and other factors so that any necessary adjustments can be made to the financial management plan presented herein. This will allow the Utility to meet its financial and operating requirements during the projection period and minimize rate impacts to customers due to future events occurring differently than currently projected.

Appendix A – Residential Monthly Bill Survey

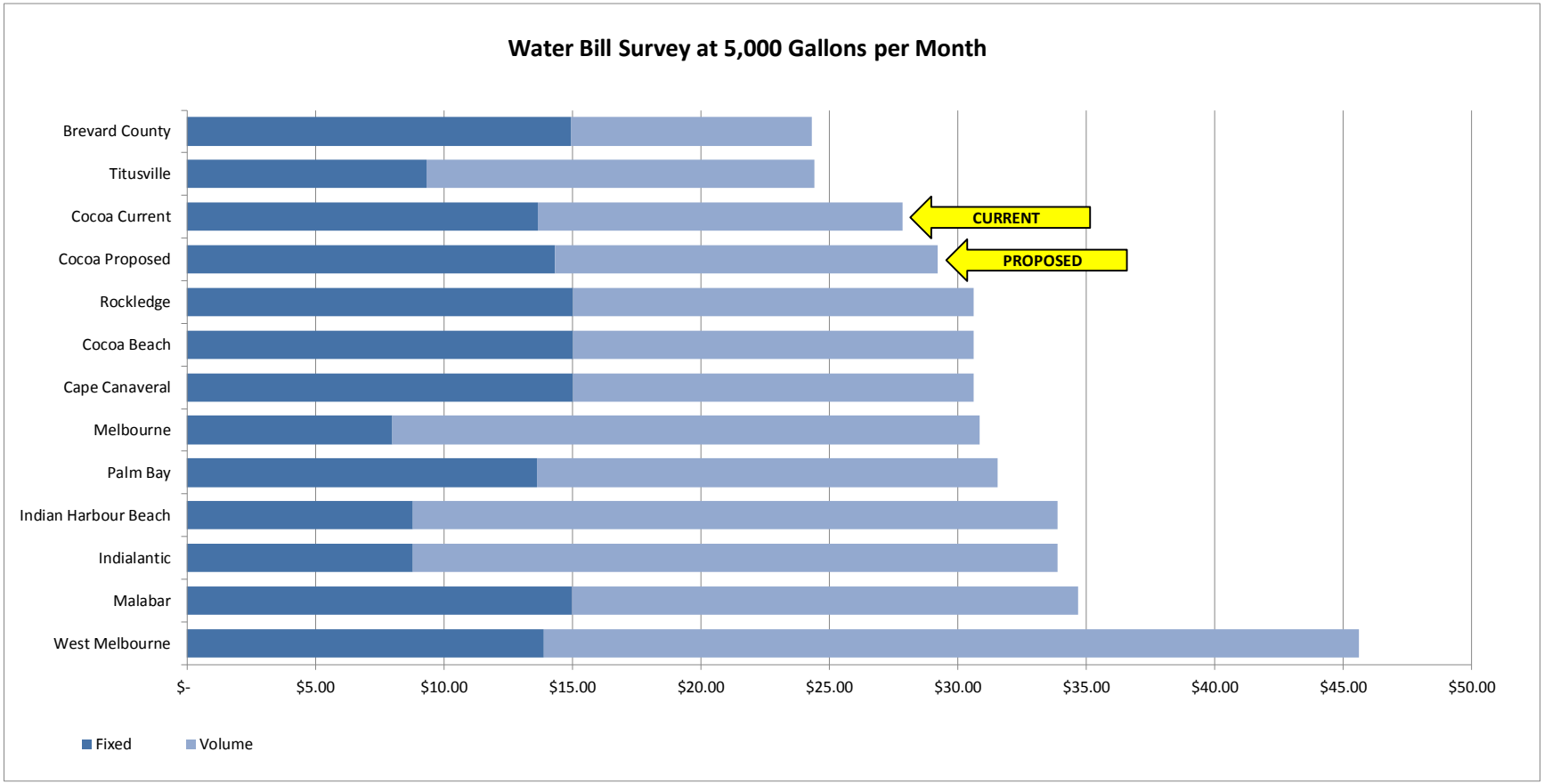
Schedule 1 presents the FY 2016 monthly combined water and sewer bill survey for typical single-family residential users in Brevard County, assuming consumption of 5,000 gallons per month

Schedule 2 presents the FY 2016 monthly water bill survey for typical single-family residential users in Brevard County, assuming consumption of 5,000 gallons per month

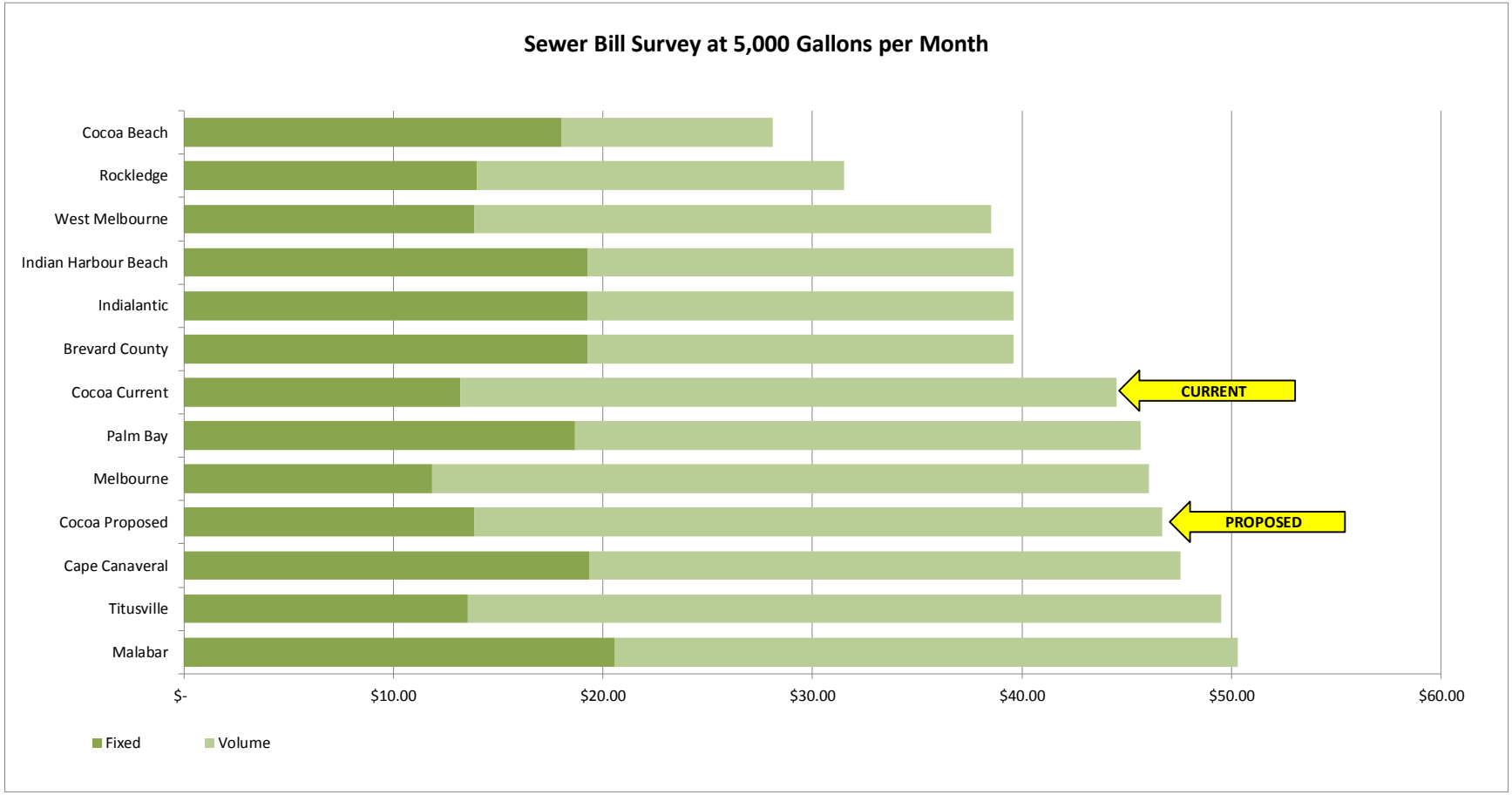
Schedule 3 presents the FY 2016 monthly sewer bill survey for typical single-family residential users in Brevard County, assuming consumption of 5,000 gallons per month



	Malabar	West Melbourne	Cape Canaveral	Palm Bay	Melbourne	Cocoa Proposed	Titusville	Indialantic	Indian Harbour Beach	Cocoa Current	Brevard County	Rockledge
Water	$ 34.68	$ 45.63	$ 30.63	$ 31.57	$ 30.85	$ 29.24	$ 24.41	$ 33.90	$ 33.90	$ 27.86	$ 24.31	$ 30.63
Sewer	$ 50.30	$ 38.52	$ 47.56	$ 45.68	$ 46.08	$ 46.71	$ 49.52	$ 39.60	$ 39.60	$ 44.50	$ 39.60	$ 31.50
Total	$ 84.98	$ 84.15	$ 78.19	$ 77.25	$ 76.93	$ 75.95	$ 73.93	$ 73.50	$ 73.50	$ 72.36	$ 63.91	$ 62.13



	West Melbourne	Malabar	Indialantic	Indian Harbour Beach	Palm Bay	Melbourne	Cape Canaveral	Cocoa Beach	Rockledge	Cocoa Proposed	Cocoa Current	Titusville
Fixed	$ 13.88	$ 14.98	$ 8.80	$ 8.80	$ 13.62	$ 8.00	$ 15.03	$ 15.03	$ 15.03	$ 14.34	$ 13.66	$ 9.31
Volume	$ 31.75	$ 19.70	$ 25.10	$ 25.10	$ 17.95	$ 22.85	$ 15.60	$ 15.60	$ 15.60	$ 14.90	$ 14.20	$ 15.10
Total	$ 45.63	$ 34.68	$ 33.90	$ 33.90	$ 31.57	$ 30.85	$ 30.63	$ 30.63	$ 30.63	$ 29.24	$ 27.86	$ 24.41



	Malabar	Titusville	Cape Canaveral	Cocoa Proposed	Melbourne	Palm Bay	Cocoa Current	Brevard County	Indialantic	Indian Harbour Beach	West Melbourne	Rockledge
Fixed	$ 20.55	$ 13.57	$ 19.36	$ 13.86	$ 11.83	$ 18.68	$ 13.20	$ 19.25	$ 19.25	$ 19.25	$ 13.87	$ 14.00
Volume	$ 29.75	$ 35.95	$ 28.20	$ 32.85	$ 34.25	$ 27.00	$ 31.30	$ 20.35	$ 20.35	$ 20.35	$ 24.65	$ 17.50
Total	$ 50.30	$ 49.52	$ 47.56	$ 46.71	$ 46.08	$ 45.68	$ 44.50	$ 39.60	$ 39.60	$ 39.60	$ 38.52	$ 31.50

APPENDIX B – SUPPORTING FINANCIAL SCHEDULES FOR THE RSA

Schedule 1 contains the assumptions of the RSA

Schedule 2 identifies the end of FY 2015 fund balances that serve as the FY 2016 beginning balances of the analysis

Schedule 3 provides a listing of the ten-year capital improvement program that was utilized in the RSA

Schedule 4 presents a detailed list of all projected cash inflows from FY 2016 - 2026

Schedule 5 presents a detailed list of all projected cash outflows from FY 2016 - 2026

Schedule 6 contains the cost escalation factors used in the analysis in line item detail

Schedule 7 contains the FAMS-XL © Control Panel that presents a summary of the financial management plan, including annual rate increases, debt service coverage ratios, total CIP spending levels, customer impacts, and fund balances

Schedule 8 presents the projected annual net income, debt service coverage, and cash flow results

Schedule 9 shows the projected funding sources for the capital improvement program

Schedule 10 contains the calculation of projected annual long-term borrowing

Schedule 11 presents a fund-level cash flow reconciliation, providing the beginning balance in each year, the amount utilized for project funding or payment of debt service, interest calculations, and the end of year fund balance

Assumptions

Schedule 1

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Annual Revenue Growth - Water:											
Number of Billed Accounts	97,433	98,333	99,333	100,433	101,633	102,833	104,033	105,233	106,433	107,633	108,833
Projected Growth in New Service Accounts	N/A	900	1,000	1,100	1,200	1,200	1,200	1,200	1,200	1,200	1,200
Percent Increase in Billed Accounts	N/A	0.92%	1.02%	1.11%	1.19%	1.18%	1.17%	1.15%	1.14%	1.13%	1.11%
Percent Increase in Use	N/A	0.42%	0.51%	0.60%	0.69%	0.67%	0.66%	0.65%	0.63%	0.62%	0.61%
Annual Revenue Growth - Wastewater:											
Number of Billed Accounts	8,864	8,946	9,037	9,137	9,246	9,355	9,464	9,573	9,682	9,792	9,901
Projected Growth in New Service Accounts	N/A	82	91	100	109	109	109	109	109	109	109
Percent Increase in Billed Accounts	N/A	0.92%	1.02%	1.11%	1.19%	1.18%	1.17%	1.15%	1.14%	1.13%	1.11%
Percent Increase in Use	N/A	0.57%	0.67%	0.77%	0.86%	0.85%	0.84%	0.84%	0.83%	0.82%	0.81%
Annual Revenue Growth - Reclaimed:											
Number of Billed Accounts	2,141	2,161	2,183	2,207	2,234	2,260	2,286	2,313	2,339	2,365	2,392
Projected Growth in New Service Accounts	N/A	20	22	24	26	26	26	26	26	26	26
Percent Increase in Billed Accounts	N/A	0.92%	1.02%	1.11%	1.19%	1.18%	1.17%	1.15%	1.14%	1.13%	1.11%
Percent Increase in Use	N/A	0.92%	1.02%	1.11%	1.19%	1.18%	1.17%	1.15%	1.14%	1.13%	1.11%
Price Elasticity Coefficient:											
Applied to Usage Charge Rate Revenue	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Average Annual Interest Earnings Rate:											
Water & Wastewater Enterprise Fund	0.75%	1.00%	1.25%	1.50%	1.75%	2.00%	2.25%	2.50%	2.50%	2.50%	2.50%
Annual Spending Execution Rate:											
Percent of Personal Services	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Percent of Variable Operating Expenses	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Percent of Fixed Operating Expenses	100%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Percent of CIP Budget	100%	100%	75%	75%	75%	75%	75%	75%	75%	75%	75%
Operating Cost Escalation Factors:											
Weighted Average Annual Cost Escalation	N/A	5.67%	2.59%	2.59%	2.59%	2.59%	2.59%	2.59%	2.59%	2.59%	2.59%
CIP Budget Annual Cost Inflation:											
Compounded Annual Cost Escalation	0.00%	0.00%	3.00%	6.09%	9.27%	12.55%	15.93%	19.41%	22.99%	26.68%	30.48%
Operating Fund Reserve Target:											
Number of Months of Annual Operating Expense	5	5	5	5	5	5	5	5	5	5	5

Beginning Balances as of September 30, 2015

Schedule 2

FUND BALANCES

FUND BALANCE DETAIL		Revenue Fund	Debt Service Reserves	DER Grant Proceeds	Restricted Capital Projects Fund	R & R
CURRENT UNRESTRICTED ASSETS						
Unrestricted Cash And Investments Only	$	20,712,743	-	53,965	2,867,511	3,070,860
Accounts Receivable, net of allowance for uncollectibles		6,135,129	-	-	-	-
Accounts Receivable Earned, But Not Billed		4,050,541	-	-	-	-
Interest Receivable		161,420	-	-	-	-
Inventory		919,368	-	-	-	-
Prepaid Items		9,004	-	-	-	-
Overfunded Pension Costs		22,822	-	-	-	-
Bond Sinking Fund		-	7,486,153	-	-	-
Restricted For Required "Debt Reserve"		-	6,711,080	-	-	-
SRL Debt Service		-	1,717,001	-	-	-
TOTAL ASSETS	**$**	**32,011,027**	**15,914,234**	**53,965**	**2,867,511**	**3,070,860**
Less: Accounts And Claims Payable	$	(3,992,222)	-	-	-	-
Less: Contracts Payable		(4,360,654)	-	-	-	-
Less: Retainage Payable		(731,603)	-	-	-	-
Less: Accrued Payroll And Related Liabilities		(236,955)	-	-	-	-
Less: Compensated Absences		(291,833)	-	-	-	-
Less: Due To Other Governments		(2,877,939)	-	-	-	-
Less: Accrued Interest		(201,018)	-	-	-	-
Less: Inventory		(919,368)	-	-	-	-
Less: Prepaid Items		(9,004)	-	-	-	-
Less: Overfunded Pension Costs		(22,822)	-	-	-	-
Less: Senior Lien Debt Service Due on 10/1/16		-	(5,557,183)	-	-	-
Less: L.O.C. Debt Service Due on 10/1/16		-	(333,852)	-	-	-
Less: State Revolving Loans Due on 10/1/16		-	(1,254,744)	-	-	-
CALCULATED FUND BALANCE (ASSETS - LIABILITIES)	**$**	**18,367,609**	**8,768,455**	**53,965**	**2,867,511**	**3,070,860**
Plus/(Less): Realloc Of Cash Between Unrest & Rest - Excess	$	2,884,311	(2,884,311)	-	-	-
NET UNRESTRICTED FUND BALANCE	**$**	**21,251,920**	**5,884,144**	**53,965**	**2,867,511**	**3,070,860**
TOTAL AVAILABLE FUNDS	**$**	**33,128,400**				

PROJECT DESCRIPTION	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
1515 Field Services											
Meter reading Hand Held Utility Usage Reading Capture Devices	$ -	-	92,590	-	-	-	-	-	-	-	-
4020 Dyal Plant											
FY2021 SCADA Design Programming (Water Capital Project)	-	-	-	-	-	60,000	-	-	-	-	-
New gas generator, transfer switch and pad	-	42,000	-	-	-	-	-	-	-	-	-
Replace Champion Grader Model 710A	-	273,000	-	-	-	-	-	-	-	-	-
Replace Slope Mower	-	186,000	-	-	-	-	-	-	-	-	-
Replacement of vehicle #03 (2008 Ford F250)	-	-	32,900	-	-	-	-	-	-	-	-
Replacement of vehicle #121 (2007 Ford F250 UTILITY)	-	-	32,900	-	-	-	-	-	-	-	-
Replacement of vehicle #130 (2010 Ford F250 UTILITY)	-	-	-	34,975	-	-	-	-	-	-	-
Replacement of vehicle #23 (2009 Ford F250 UTILITY)	-	-	-	34,975	-	-	-	-	-	-	-
Replacement of vehicle #47 (1996 Ford LNT8000)	-	-	-	-	250,000	-	-	-	-	-	-
Replacement of vehicle #78 (2004 Ford F250 UTILITY)	-	-	32,900	-	-	-	-	-	-	-	-
Replacement of vehicle #94 (2005 Ford F250 UTILITY)	-	-	32,900	-	-	-	-	-	-	-	-
4025 Water Field Operations											
Fortenberry / Plumosa Intersection Impro	-	102,514	-	-	-	-	-	-	-	-	-
New cement mixer and dispenser (2017 Cemen Tech Volumentric M	-	66,299	-	-	-	-	-	-	-	-	-
New vehicle (2017 Ford F250)	-	32,900	-	-	-	-	-	-	-	-	-
New vehicle (2017 Ford F450)	-	68,900	-	-	-	-	-	-	-	-	-
New Vehicle (2017 Ford Transit VAN) 1 of 4	-	25,000	-	-	-	-	-	-	-	-	-
New Vehicle (2017 Ford Transit VAN) 2 of 4	-	25,000	-	-	-	-	-	-	-	-	-
New Vehicle (2017 Ford Transit VAN) 3 of 4	-	25,000	-	-	-	-	-	-	-	-	-
New Vehicle (2017 Ford Transit VAN) 4 of 4	-	25,000	-	-	-	-	-	-	-	-	-
New Vehicle (2017 McLaughlin VX50-500 Hydro Excavator)	-	90,000	-	-	-	-	-	-	-	-	-
Replacement of vehicle #06 (2008 Ford F550 SD)	-	70,100	-	-	-	-	-	-	-	-	-
Replacement of vehicle #07 (2008 Ford F550 SD)	-	68,900	-	-	-	-	-	-	-	-	-
Replacement of vehicle #08 (2008 Ford F550 SD)	-	68,900	-	-	-	-	-	-	-	-	-
Replacement of vehicle #104 (2008 Ford F550 SD)	-	35,775	-	-	-	-	-	-	-	-	-
Replacement of vehicle #106 (2008 Ford F450 Dump)	-	-	-	-	74,900	-	-	-	-	-	-
Replacement of vehicle #108 (2003 Chevy 3500HD)	-	-	-	-	-	58,956	-	-	-	-	-
Replacement of vehicle #13 (2006 Ford F250 UTILITY)	-	35,775	-	-	-	-	-	-	-	-	-
Replacement of vehicle #15 (2009 Ford F250 UTILITY)	-	-	-	-	38,100	-	-	-	-	-	-
Replacement of vehicle #171 (2001 Ford F450 Dump)	-	68,900	-	-	-	-	-	-	-	-	-
Replacement of vehicle #174 (2009 Ford F250 Utility)	-	-	-	-	38,100	-	-	-	-	-	-
Replacement of vehicle #25 (2008 Ford F550 SD)	-	-	70,100	-	-	-	-	-	-	-	-
Replacement of vehicle #29 (2002 Ford F450 Dump)	-	-	-	-	70,900	-	-	-	-	-	-
Replacement of vehicle #32 (2002 Ford F450 Dump)	-	-	-	-	71,900	-	-	-	-	-	-
Replacement of vehicle #52 (2011 Ford F250 UTILITY)	-	-	-	36,900	-	-	-	-	-	-	-
Replacement of vehicle #55 (2009 Ford F250 UTILITY)	-	-	36,700	-	-	-	-	-	-	-	-
Replacement of vehicle #80 (2006 Ford F350)	-	38,900	-	-	-	-	-	-	-	-	-
Replacement of vehicle #92 (2008 Ford F350 Utility)	-	-	-	76,900	-	-	-	-	-	-	-
4055 Engineering											
14" AC Raw Water Pipeline Upgrade and Well 17 Area Isoaltion Valv	-	3,476,136	856,000	-	-	-	-	-	-	-	-
Capital Plan Update	-	30,000	30,000	300,000	30,000	30,000	-	-	-	-	-
DS-31 Chase Hammock Rd Looping - Construction	-	-	-	-	733,624	226,376	-	-	-	-	-
DS-39 Merritt Island In-line Booster Pump Station	-	-	-	-	1,260,409	179,591	-	-	-	-	-
DS-49 East Peachtree Pipeline	-	370,677	-	-	-	-	-	-	-	-	-
DS-51 Florida Ave WM Replacement / Complete Streets	-	1,702,107	-	-	-	-	-	-	-	-	-

PROJECT DESCRIPTION	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
DS-53 Indian River Water Main Replacement	-	50,000	-	-	-	-	-	-	-	-	-
DS-56 Banana River Tank Improvements	-	-	1,539,634	2,792,502	-	-	-	-	-	-	-
DS-60 Banana River and Viera Pump Station Improvements - Design	-	-	-	-	-	87,616	-	-	-	-	-
DS-63 Marlin Manor Pipeline Improvements	-	-	-	-	2,040,000	-	-	-	-	-	-
Dyal Chemical Conversion & Reliability Improvement Project	-	14,897,797	1,745,786	-	-	-	-	-	-	-	-
Fiber Optic Cable from Dyal WTP to Wewa WTP	-	-	-	1,150,000	-	-	-	-	-	-	-
Fiber Optic Cable from Police Department to Dyal WTP	-	690,000	-	-	-	-	-	-	-	-	-
Force Main Repairs	-	100,000	150,000	-	-	-	-	-	-	-	-
FY2017 SCADA Design Programming (Clearwell)	-	60,000	-	-	-	-	-	-	-	-	-
FY2018 SCADA Design Programming (CCRIP, Sulfurator, Port GST, Me	-	-	120,000	-	-	-	-	-	-	-	-
FY2019 SCADA Design Programming (HSP Diesel Gen, HSP VFD)	-	-	-	60,000	-	-	-	-	-	-	-
FY2020 SCADA Design Programming (Water Capital Project)	-	-	-	-	120,000	-	-	-	-	-	-
Gravity Sewer Replacement Project	-	630,000	-	-	-	-	-	-	-	-	-
LCP 1 Relocation	-	-	-	-	200,000	-	-	-	-	-	-
Lift Station 1 Replacement	-	-	-	700,000	-	-	-	-	-	-	-
Lift Station 17 Replacement	-	700,000	-	-	-	-	-	-	-	-	-
Lift Station 19 Replacement	-	-	700,000	-	-	-	-	-	-	-	-
Lift Station Control Panel Replacement Project 1	-	-	-	200,000	-	-	-	-	-	-	-
Lift Station Control Panel Replacement Project 2	-	-	-	-	400,000	-	-	-	-	-	-
Lift Station Control Panel Replacement Project 3	-	-	-	-	-	400,000	-	-	-	-	-
Lift Station Wetwell Rehabilitation	-	-	200,000	-	-	-	-	-	-	-	-
Michigan Ave. Force Main (New Pipe)	-	100,000	600,000	-	-	-	-	-	-	-	-
Package System PLC Upgrade - Belt Filter Press	-	70,000	-	-	-	-	-	-	-	-	-
Package System PLC Upgrade - Cal Flow	-	70,000	-	-	-	-	-	-	-	-	-
Package System PLC Upgrade - Ozone System	-	-	-	580,000	-	-	-	-	-	-	-
Replacement of MCC 7 & 8	-	-	-	-	500,000	-	-	-	-	-	-
Utilities Program Management	-	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	-	-	-	-	-
WS-03 Pigging and Flushing Improvements for Raw Water Pipelines	-	-	-	-	-	527,017	-	-	-	-	-
WS-05 54 inch Redundant Pipe to Dyal	-	-	-	-	-	1,100,955	-	-	-	-	-
WS-09 42 inch New Pipeline West of W7A to Dallas Wewa	-	-	-	99,892	5,428,703	2,767,574	-	-	-	-	-
WS1001 Industrial Park Pump Station Improvements	-	485,754	-	-	-	-	-	-	-	-	-
WS1117 System Software Upgrade at Dyal	-	1,780,494	290,000	290,000	290,000	290,000	-	-	-	-	-
WS1201 Pipe Infrastructure Assessment and Replacement	-	1,600,000	2,770,786	3,590,000	3,000,000	5,000,000	-	-	-	-	-
WS1210 Water Capital Plan - 5-year Updates	-	800,000	-	-	-	-	-	-	-	-	-
WS1309 SR-520 Water Main Replacement	-	1,334,138	167,136	-	-	-	-	-	-	-	-
WS-19 Raw Water Well Rehabilitation	-	250,000	250,000	250,000	250,000	250,000	-	-	-	-	-
WT-02 Separation of Groundwater and Surface Water Clear Well	-	6,891,207	501,473	-	-	-	-	-	-	-	-
WT-17 High Service Pump Station VFD	-	-	-	-	-	462,000	-	-	-	-	-
WT-51 Sulfuraetor	-	-	-	-	310,000	3,250,000	-	-	-	-	-
WT-52 Surge Tank Assessment and / or Replacement at Dyal	-	-	1,336,400	-	-	-	-	-	-	-	-
WT-54 Tier 4 Generator Improvements	-	-	-	-	-	4,290,000	-	-	-	-	-
WT-56 Dyal Surface Water Filters Canopy and Enclosure	-	-	-	244,500	205,500	-	-	-	-	-	-
WT-57 Dyal HSP #4 Tier 4 Diesel Engine Replacement	-	-	-	-	621,200	348,800	-	-	-	-	-
WT-62 Dyal TTHM Prevention and/or Reduction	-	-	112,000	-	-	-	-	-	-	-	-
WT-63 Replacement of Dyal Finished Water Steel GST	-	-	-	-	640,000	-	-	-	-	-	-
WT-CO Ozone Improvements (Generator Replacement, Chiller Repla	-	-	1,513,504	3,036,496	-	-	-	-	-	-	-
4120 Water Reclamation											
Bracco Pond Aeration	-	-	-	-	200,480	-	-	-	-	-	-
Bracco Pond Interconnect	-	90,000	-	-	-	-	-	-	-	-	-
CMMS Update and Electronic O&M Manual	-	100,000	-	-	-	-	-	-	-	-	-

PROJECT DESCRIPTION	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Jerry Sellers WRF Generator Stack Replacement	-	75,000	-	-	-	-	-	-	-	-	-
Mud Lake Wetlands	-	-	-	400,000	-	750,000	-	-	-	-	-
Replacement of vehicle #42 (2006 Ford E250 VAN)	-	-	-	30,237	-	-	-	-	-	-	-
Valve Identification Project	-	60,000	-	-	-	-	-	-	-	-	-
Water Reclamation Fleet E250 Van	-	-	-	30,237	-	-	-	-	-	-	-
4125 Sewer Field Operations											
CIPP Rehabilitation Phase 2	-	400,000	-	-	-	-	-	-	-	-	-
CIPP Rehabilitation Phase 3	-	-	400,000	-	-	-	-	-	-	-	-
CIPP Rehabilitation Phase 4	-	-	-	400,000	-	-	-	-	-	-	-
CIPP Rehabilitation Phase 5	-	-	-	-	400,000	-	-	-	-	-	-
CIPP Rehabilitation Phase 6	-	-	-	-	-	400,000	-	-	-	-	-
Electrical Wire and Conduit Replacement	-	400,000	-	-	-	-	-	-	-	-	-
Jerry Sellers WRF Flow Improvements	-	1,000,000	-	-	-	-	-	-	-	-	-
Lift Station 4 Replacement	-	80,000	-	-	-	-	-	-	-	-	-
Lift Station Mechanical Improvements	-	75,000	75,000	75,000	150,000	275,000	-	-	-	-	-
Replacement of MCC 1-6	-	400,000	-	-	-	-	-	-	-	-	-
Replacement of vehicle #53 (2009 Ford F250 UTILITY)	-	-	-	-	-	38,100	-	-	-	-	-
Replacement of vehicle #54 (2005 Ford E250 VAN)	-	35,408	-	-	-	-	-	-	-	-	-
Replacement of vehicle #85 (2001 Ford F450 DUMP)	-	-	-	-	-	75,900	-	-	-	-	-
RTU Replacement	-	150,000	150,000	150,000	150,000	150,000	-	-	-	-	-
Sewer Cleaning	-	200,000	-	-	-	-	-	-	-	-	-
WFO Sewer E250 Van	-	35,408	-	-	-	-	-	-	-	-	-
WFO Sewer F250 Utility Ford	-	-	-	-	-	38,100	-	-	-	-	-
WFO Sewer F450 Dump Ford	-	-	-	-	-	75,900	-	-	-	-	-
WFO Sewer GU813 Mack	-	458,319	-	-	-	-	-	-	-	-	-
UNSPECIFIED FUTURE PROJECTS	-	-	-	-	-	-	23,100,666	19,221,538	19,998,104	20,785,202	21,147,479
FY 2016 CIP FROM BUDGET	17,000,000	-	-	-	-	-	-	-	-	-	-
Redistribution of CIP Funding [1]	-	(22,000,000)	8,000,000	7,000,000	7,000,000	-	-	-	-	-	-
Total CIP Budget (in FY 2015 dollars)	**$ 17,000,000**	**20,496,308**	**23,338,709**	**23,062,614**	**25,973,816**	**22,631,885**	**23,100,666**	**19,221,538**	**19,998,104**	**20,785,202**	**21,147,479**
Compounded Annual Cost Escalation	0.0%	0.0%	3.0%	6.1%	9.3%	12.6%	15.9%	19.4%	23.0%	26.7%	30.5%
Annual Capital Spending Execution Percentage	100%	100%	75%	75%	75%	75%	75%	75%	75%	75%	75%
Final CIP Funding Level	**$ 17,000,000**	**20,496,308**	**18,029,153**	**18,350,345**	**21,286,718**	**19,104,289**	**20,085,003**	**17,213,641**	**18,446,359**	**19,747,554**	**20,694,498**

(1) Per discussions with Staff, funds not expected to be spent in the budgeted fiscal years were redistributed to subsequent fiscal years, representing estimate of actual CIP spending.

Projection of Cash Inflows

Schedule 4

	FY 2016 [1]	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Rate Revenue Growth Assumptions											
Growth in Water ERUs	N/A	0.92%	1.02%	1.11%	1.19%	1.18%	1.17%	1.15%	1.14%	1.13%	1.11%
Growth in Water Usage	N/A	0.42%	0.51%	0.60%	0.69%	0.67%	0.66%	0.65%	0.63%	0.62%	0.61%
Growth in Wastewater ERUs	N/A	0.92%	1.02%	1.11%	1.19%	1.18%	1.17%	1.15%	1.14%	1.13%	1.11%
Growth in Wastewater Usage	N/A	0.57%	0.67%	0.77%	0.86%	0.85%	0.84%	0.84%	0.83%	0.82%	0.81%
Growth in Reclaimed ERUs	N/A	0.92%	1.02%	1.11%	1.19%	1.18%	1.17%	1.15%	1.14%	1.13%	1.11%
Growth in Reclaimed Usage	N/A	0.92%	1.02%	1.11%	1.19%	1.18%	1.17%	1.15%	1.14%	1.13%	1.11%
Assumed Rate Revenue Adjustments											
Assumed Rate Adjustment	**N/A**	**5.00%**	**5.00%**	**5.00%**	**5.00%**	**5.00%**	**5.00%**	**5.00%**	**5.00%**	**5.00%**	**5.00%**
Water Rate Revenue											
Base Facility Charges	$ 17,424,783	18,465,024	19,585,445	20,792,448	22,092,926	23,471,471	24,932,637	26,481,242	28,122,375	29,861,419	31,704,061
Usage Charges	24,260,953	25,452,857	26,727,987	28,092,126	29,551,421	31,082,189	32,687,798	34,371,775	36,137,805	37,989,745	39,931,625
Wastewater Rate Revenue											
Base Facility Charges	$ 1,477,761	1,565,982	1,661,003	1,763,366	1,873,657	1,990,569	2,114,487	2,245,821	2,385,003	2,532,487	2,688,758
Usage Charges	3,139,777	3,299,075	3,469,897	3,653,090	3,849,556	4,056,192	4,273,511	4,502,053	4,742,383	4,995,094	5,260,809
Reclaimed Rate Revenue											
Base Facility Charges	$ 205,908	218,200	231,440	245,703	261,071	277,361	294,628	312,927	332,321	352,871	374,645
Usage Charges	93,704	98,801	104,272	110,145	116,449	123,096	130,106	137,496	145,287	153,500	162,157
Total Rate Revenue	**$ 46,602,886**	**49,099,939**	**51,780,045**	**54,656,878**	**57,745,080**	**61,000,877**	**64,433,167**	**68,051,314**	**71,865,173**	**75,885,115**	**80,122,056**
Other Operating Revenue											
Non-Departmental											
Water Connection Fee	$ 240,000	240,000	240,000	240,000	240,000	240,000	240,000	240,000	240,000	240,000	240,000
Water Hydrant Fees	2,532,321	2,608,291	2,608,291	2,608,291	2,608,291	2,608,291	2,608,291	2,608,291	2,608,291	2,608,291	2,608,291
Hydrant Resid Flow Test	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Backflow Device Test	145,000	145,000	145,000	145,000	145,000	145,000	145,000	145,000	145,000	145,000	145,000
Jumper Meters	700	700	700	700	700	700	700	700	700	700	700
Plan Review / Const Inspect	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000
Backflow PRV/RLCT Temp	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
Sewer Grease Trap Permits	6,200	6,200	6,200	6,200	6,200	6,200	6,200	6,200	6,200	6,200	6,200
Reuse Water Installation	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000
362 - Rents and Royalties	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300
364 - Sale of Fixed Assets	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
365 - Sale of Surplus Scrap	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
369 - Other Misc. Revenues	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000
Total Other Operating Revenue	**$ 3,018,521**	**3,094,491**	**3,094,491**	**3,094,491**	**3,094,491**	**3,094,491**	**3,094,491**	**3,094,491**	**3,094,491**	**3,094,491**	**3,094,491**
Interest Earnings Revenue	**$ 198,018**	**241,240**	**320,488**	**407,124**	**501,450**	**603,890**	**714,271**	**824,830**	**856,307**	**880,707**	**905,399**
Capital Project Funding Sources											
Water Impact Fees	$ 1,447,772	1,566,099	1,740,110	1,914,121	2,088,132	2,088,132	2,088,132	2,088,132	2,088,132	2,088,132	2,088,132
Sewer Impact Fees	94,611	102,344	113,715	125,087	136,458	136,458	136,458	136,458	136,458	136,458	136,458
Total Capital Project Funding Sources	**$ 1,542,383**	**1,668,443**	**1,853,826**	**2,039,208**	**2,224,591**	**2,224,591**	**2,224,591**	**2,224,591**	**2,224,591**	**2,224,591**	**2,224,591**
Total Cash Inflows	**$ 51,361,807**	**54,104,113**	**57,048,850**	**60,197,701**	**63,565,612**	**66,923,849**	**70,466,520**	**74,195,226**	**78,040,561**	**82,084,904**	**86,346,536**

(1) FY 2016 rate revenues were based on the FY 2015 actuals adjusted for assumed connection growth, changes in usage, and rate increases. Beginning in FY 2017 rate revenues were based upon the FY 2016 results and assumed connection growth, changes in usage, and rate increase.

Projection of Cash Outflows

Schedule 5

	FY 2016 [1]	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Field Services											
Personal Services											
12-00 Regular Salaries & Wages	$ 826,114	815,737	836,130	857,034	878,460	900,421	922,932	946,005	969,655	993,896	1,018,744
12-12 Retirement Leave Accruals	26,030	-	-	-	-	-	-	-	-	-	-
13-00 Other Salaries & Wages	65,084	67,288	68,970	70,694	72,462	74,273	76,130	78,033	79,984	81,984	84,033
14-00 Overtime	3,058	3,603	3,693	3,785	3,880	3,977	4,076	4,178	4,283	4,390	4,500
20-00 Clothing/Shoe Allowances	2,310	2,310	2,368	2,427	2,488	2,550	2,614	2,679	2,746	2,815	2,885
21-00 FICA Taxes	71,301	68,775	70,494	72,257	74,063	75,915	77,813	79,758	81,752	83,796	85,891
22-00 Retirement Contributions	199,023	197,277	202,209	207,264	212,446	217,757	223,201	228,781	234,500	240,363	246,372
23-00 Life/Health Insurance	236,709	233,773	239,617	245,608	251,748	258,042	264,493	271,105	277,883	284,830	291,950
24-00 Worker's Compensation	44,349	47,602	48,792	50,012	51,262	52,544	53,857	55,204	56,584	57,998	59,448
27-00 Cafeteria Plan	9,600	8,400	8,610	8,825	9,046	9,272	9,504	9,741	9,985	10,235	10,490
Total: Personal Services	$ 1,483,578	1,444,765	1,480,884	1,517,906	1,555,854	1,594,750	1,634,619	1,675,484	1,717,372	1,760,306	1,804,314
Operating Expenses											
41-00 Communication	$ 6,500	9,810	10,055	10,307	10,564	10,828	11,099	11,377	11,661	11,953	12,251
42-00 Postage & Freight	200	400	410	420	431	442	453	464	475	487	500
45-00 Insurance	10,062	11,496	11,783	12,078	12,380	12,689	13,007	13,332	13,665	14,007	14,357
46-00 Repairs & Maintenance	24,100	16,383	16,793	17,212	17,643	18,084	18,536	18,999	19,474	19,961	20,460
46-03 Repair/Maint - Vehicles	15,000	21,923	22,471	23,033	23,609	24,199	24,804	25,424	26,060	26,711	27,379
52-00 Operating Supplies	16,886	18,295	18,752	19,221	19,702	20,194	20,699	21,217	21,747	22,291	22,848
52-30 Fuel, Oil & Lubricants	79,000	59,889	61,386	62,921	64,494	66,106	67,759	69,453	71,189	72,969	74,793
Total: Operating Expenses	$ 151,748	138,196	141,651	145,192	148,822	152,543	156,356	160,265	164,272	168,378	172,588
Water Administration											
Personal Services											
12-00 Regular Salaries & Wages	$ 525,867	578,316	592,774	607,593	622,783	638,353	654,311	670,669	687,436	704,622	722,237
12-12 Retirement Leave Accruals	1,184	-	-	-	-	-	-	-	-	-	-
13-00 Other Salaries & Wages	20,000	-	-	-	-	-	-	-	-	-	-
14-00 Overtime	17,730	14,569	14,933	15,307	15,689	16,081	16,483	16,896	17,318	17,751	18,195
21-00 FICA Taxes	43,370	49,160	50,389	51,649	52,940	54,263	55,620	57,011	58,436	59,897	61,394
22-00 Retirement Contributions	53,708	59,280	60,762	62,281	63,838	65,434	67,070	68,747	70,465	72,227	74,033
23-00 Life/Health Insurance	92,679	122,564	125,628	128,769	131,988	135,288	138,670	142,137	145,690	149,332	153,066
23-02 Life/Health Retirees	290,263	-	-	-	-	-	-	-	-	-	-
24-00 Worker's Compensation	12,789	15,559	15,948	16,347	16,755	17,174	17,604	18,044	18,495	18,957	19,431
25-00 Unemployment Compensation	5,000	-	-	-	-	-	-	-	-	-	-
27-00 Cafeteria Plan	18,000	18,000	18,450	18,911	19,384	19,869	20,365	20,874	21,396	21,931	22,480
Total: Personal Services	$ 1,080,590	857,448	878,884	900,856	923,378	946,462	970,124	994,377	1,019,236	1,044,717	1,070,835
Fixed Operating Expenses											
31-00 Professional Services	$ 194,582	1,234,925	1,265,798	1,297,443	1,329,879	1,363,126	1,397,204	1,432,134	1,467,938	1,504,636	1,542,252
31-01 Legal Expenses	98,500	105,000	107,625	110,316	113,074	115,900	118,798	121,768	124,812	127,932	131,131
Employee Health Center	156,631	163,608	167,698	171,891	176,188	180,593	185,107	189,735	194,478	199,340	204,324
32-00 Accounting & Auditing	47,000	43,500	44,588	45,702	46,845	48,016	49,216	50,447	51,708	53,001	54,326
34-00 Contract Services	636,838	657,910	674,358	691,217	708,497	726,210	744,365	762,974	782,048	801,599	821,639
39-00 Contingency	674,378	712,582	731,046	749,990	769,429	789,374	809,839	830,837	852,383	874,491	897,176

Projection of Cash Outflows

Schedule 5

	FY 2016 [1]	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
40-00 Travel & Per Diem	2,336	2,256	2,312	2,370	2,429	2,490	2,552	2,616	2,682	2,749	2,817
41-00 Communication	6,433	4,086	4,188	4,293	4,400	4,510	4,623	4,739	4,857	4,978	5,103
42-00 Postage & Freight	7,590	7,590	7,780	7,974	8,174	8,378	8,587	8,802	9,022	9,248	9,479
43-00 Electric/Water/Sewer Service	1,000	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,218	1,249
44-00 Rentals & Leases	1,792	1,792	1,837	1,883	1,930	1,978	2,027	2,078	2,130	2,183	2,238
45-00 Insurance	340,618	318,092	326,044	334,195	342,550	351,114	359,892	368,889	378,111	387,564	397,253
46-00 Repairs & Maintenance	5,115	5,940	6,089	6,241	6,397	6,557	6,721	6,889	7,061	7,237	7,418
46-02 Repair/Maint Building	4,500	3,000	3,075	3,152	3,231	3,311	3,394	3,479	3,566	3,655	3,747
46-03 Repair/Maint - Vehicles	3,800	4,380	4,490	4,602	4,717	4,835	4,956	5,079	5,206	5,337	5,470
47-00 Printing & Binding	5,950	5,950	6,099	6,251	6,407	6,568	6,732	6,900	7,073	7,249	7,431
48-00 Promotional Activities	15,000	15,000	15,375	15,759	16,153	16,557	16,971	17,395	17,830	18,276	18,733
49-00 Other Charges & Oblig.	12,250	11,510	11,798	12,093	12,395	12,705	13,023	13,348	13,682	14,024	14,374
49-07 Bad Debt Expense	175,000	175,000	179,375	183,859	188,456	193,167	197,996	202,946	208,020	213,221	218,551
49-08 Cash Over & Under	300	300	308	315	323	331	339	348	357	366	375
49-09 Document Recording Chgs	3,000	3,000	3,075	3,152	3,231	3,311	3,394	3,479	3,566	3,655	3,747
52-00 Operating Supplies	65,420	67,273	68,955	70,679	72,446	74,257	76,113	78,016	79,966	81,966	84,015
52-30 Fuel, Oil & Lubricants	4,686	4,179	4,283	4,391	4,500	4,613	4,728	4,846	4,968	5,092	5,219
54-00 Books/Membership/Traning	33,520	33,675	34,517	35,380	36,264	37,171	38,100	39,053	40,029	41,030	42,055
55-00 Training	6,070	6,195	6,350	6,509	6,671	6,838	7,009	7,184	7,364	7,548	7,737
Employee Health Center	35,368	39,298	40,280	41,287	42,320	43,378	44,462	45,574	46,713	47,881	49,078
Total: Fixed Operating Expenses	$ 2,537,677	3,627,041	3,718,366	3,811,994	3,907,982	4,006,391	4,107,282	4,210,716	4,316,759	4,425,476	4,536,936
Variable Operating Expenses											
34-10 Allocations - General Fund	$ 5,366,988	5,374,389	5,535,620	5,701,689	5,872,740	6,048,922	6,230,389	6,417,301	6,609,820	6,808,115	7,012,358
Total: Variable Operating Expenses	$ 5,366,988	5,374,389	5,535,620	5,701,689	5,872,740	6,048,922	6,230,389	6,417,301	6,609,820	6,808,115	7,012,358
Dyal Plant											
Personal Services											
12-00 Regular Salaries & Wages	$ 2,014,870	1,979,060	2,028,537	2,079,250	2,131,231	2,184,512	2,239,125	2,295,103	2,352,480	2,411,292	2,471,575
12-12 Retirement Leave Accruals	13,056	-	-	-	-	-	-	-	-	-	-
13-00 Other Salaries & Wages	50,837	54,136	55,489	56,877	58,299	59,756	61,250	62,781	64,351	65,959	67,608
14-00 Overtime	97,046	77,219	79,149	81,128	83,156	85,235	87,366	89,550	91,789	94,084	96,436
20-00 Clothing/Shoe Allowances	4,280	6,680	6,847	7,018	7,194	7,373	7,558	7,747	7,940	8,139	8,342
21-00 FICA Taxes	168,230	163,519	167,607	171,797	176,092	180,494	185,007	189,632	194,373	199,232	204,213
22-00 Retirement Contributions	161,695	162,077	166,129	170,282	174,539	178,903	183,375	187,960	192,659	197,475	202,412
23-00 Life/Health Insurance	480,340	574,541	588,905	603,627	618,718	634,186	650,040	666,291	682,949	700,022	717,523
24-00 Worker's Compensation	111,121	109,478	112,215	115,020	117,896	120,843	123,864	126,961	130,135	133,388	136,723
27-00 Cafeteria Plan	14,400	24,000	24,600	25,215	25,845	26,492	27,154	27,833	28,528	29,242	29,973
Total: Personal Services	$ 3,115,875	3,150,710	3,229,478	3,310,215	3,392,970	3,477,794	3,564,739	3,653,858	3,745,204	3,838,834	3,934,805
Operating Expenses											
31-00 Professional Services	$ 23,000	9,100	9,328	9,561	9,800	10,045	10,296	10,553	10,817	11,087	11,365
34-00 Contract Services	352,595	614,125	629,478	645,215	661,345	677,879	694,826	712,197	730,002	748,252	766,958
40-00 Travel & Per Diem	8,500	12,330	12,638	12,954	13,278	13,610	13,950	14,299	14,656	15,023	15,398
41-00 Communication	71,760	67,560	69,249	70,980	72,755	74,574	76,438	78,349	80,308	82,315	84,373
42-00 Postage & Freight	31,600	19,000	19,475	19,962	20,461	20,972	21,497	22,034	22,585	23,150	23,728
43-00 Electric/Water/Sewer Service	1,799,000	1,996,530	2,046,443	2,097,604	2,150,044	2,203,796	2,258,890	2,315,363	2,373,247	2,432,578	2,493,392

Projection of Cash Outflows

Schedule 5

		FY 2016 [1]	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
44-00	Rentals & Leases	21,754	16,754	17,173	17,602	18,042	18,493	18,956	19,430	19,915	20,413	20,923
45-00	Insurance	7,262	11,778	12,072	12,374	12,684	13,001	13,326	13,659	14,000	14,350	14,709
46-00	Repairs & Maintenance	2,610,013	2,047,100	2,098,278	2,150,734	2,204,503	2,259,615	2,316,106	2,374,008	2,433,359	2,494,193	2,556,547
46-02	Repair/Maint Building	315,000	35,000	35,875	36,772	37,691	38,633	39,599	40,589	41,604	42,644	43,710
46-03	Repair/Maint - Vehicles	33,000	40,750	41,769	42,813	43,883	44,980	46,105	47,258	48,439	49,650	50,891
47-00	Printing & Binding	200	200	205	210	215	221	226	232	238	244	250
49-00	Other Charges & Oblig.	7,825	8,435	8,646	8,862	9,084	9,311	9,543	9,782	10,027	10,277	10,534
52-00	Operating Supplies	3,095,190	2,986,330	3,060,988	3,137,513	3,215,951	3,296,350	3,378,758	3,463,227	3,549,808	3,638,553	3,729,517
52-07	Janitorial Supplies	5,000	5,000	5,125	5,253	5,384	5,519	5,657	5,798	5,943	6,092	6,244
52-30	Fuel, Oil & Lubricants	119,187	97,250	99,681	102,173	104,728	107,346	110,029	112,780	115,600	118,490	121,452
53-00	Road Materials/Supplies	35,000	35,000	35,875	36,772	37,691	38,633	39,599	40,589	41,604	42,644	43,710
54-00	Books/Membership/Traning	780	780	800	819	840	861	882	905	927	950	974
55-00	Training	45,600	45,000	46,125	47,278	48,460	49,672	50,913	52,186	53,491	54,828	56,199
Total: Operating Expenses		$ 8,582,266	8,048,022	8,249,223	8,455,453	8,666,839	8,883,510	9,105,598	9,333,238	9,566,569	9,805,733	10,050,877
Water Field Operations												
Personal Services												
12-00	Regular Salaries & Wages	$ 2,099,462	2,376,870	2,436,292	2,497,199	2,559,629	2,623,620	2,689,210	2,756,440	2,825,352	2,895,985	2,968,385
12-12	Retirement Leave Accruals	945	-	-	-	-	-	-	-	-	-	-
13-00	Other Salaries & Wages	44,125	47,752	48,946	50,169	51,424	52,709	54,027	55,378	56,762	58,181	59,636
14-00	Overtime	154,243	121,244	124,275	127,382	130,567	133,831	137,176	140,606	144,121	147,724	151,417
20-00	Clothing/Shoe Allowances	5,540	8,050	8,251	8,458	8,669	8,886	9,108	9,336	9,569	9,808	10,053
21-00	FICA Taxes	177,720	196,170	201,074	206,101	211,254	216,535	221,948	227,497	233,184	239,014	244,989
22-00	Retirement Contributions	326,402	193,361	198,195	203,150	208,229	213,434	218,770	224,239	229,845	235,592	241,481
23-00	Life/Health Insurance	509,526	694,829	712,200	730,005	748,255	766,961	786,135	805,789	825,933	846,582	867,746
24-00	Worker's Compensation	118,827	143,967	147,566	151,255	155,037	158,913	162,885	166,958	171,132	175,410	179,795
27-00	Cafeteria Plan	24,000	31,200	31,980	32,780	33,599	34,439	35,300	36,182	37,087	38,014	38,965
Total: Personal Services		$ 3,460,790	3,813,443	3,908,779	4,006,499	4,106,661	4,209,328	4,314,561	4,422,425	4,532,985	4,646,310	4,762,468
Operating Expenses												
31-00	Professional Services	$ 2,136	1,500	1,538	1,576	1,615	1,656	1,697	1,740	1,783	1,828	1,873
34-00	Contract Services	40,366	40,820	41,841	42,887	43,959	45,058	46,184	47,339	48,522	49,735	50,979
40-00	Travel & Per Diem	600	600	615	630	646	662	679	696	713	731	749
41-00	Communication	19,450	30,722	31,490	32,277	33,084	33,911	34,759	35,628	36,519	37,432	38,368
42-00	Postage & Freight	1,950	2,700	2,768	2,837	2,908	2,980	3,055	3,131	3,209	3,290	3,372
43-00	Electric/Water/Sewer Service	75,953	91,940	94,239	96,594	99,009	101,485	104,022	106,622	109,288	112,020	114,820
44-00	Rentals & Leases	7,750	7,750	7,944	8,142	8,346	8,555	8,768	8,988	9,212	9,443	9,679
45-00	Insurance	21,751	22,277	22,834	23,405	23,990	24,590	25,204	25,834	26,480	27,142	27,821
46-00	Repairs & Maintenance	2,254,675	4,405,840	4,515,986	4,628,886	4,744,608	4,863,223	4,984,804	5,109,424	5,237,159	5,368,088	5,502,290
46-02	Repair/Maint Building	133,069	63,596	65,186	66,816	68,486	70,198	71,953	73,752	75,596	77,486	79,423
46-03	Repair/Maint - Vehicles	72,952	91,585	93,875	96,221	98,627	101,093	103,620	106,211	108,866	111,587	114,377
47-00	Printing & Binding	300	300	308	315	323	331	339	348	357	366	375
49-00	Other Charges & Oblig.	2,800	2,646	2,712	2,780	2,849	2,921	2,994	3,069	3,145	3,224	3,304
52-00	Operating Supplies	79,610	99,305	101,788	104,332	106,941	109,614	112,354	115,163	118,042	120,993	124,018
52-07	Janitorial Supplies	3,240	3,240	3,321	3,404	3,489	3,576	3,666	3,757	3,851	3,948	4,046
52-30	Fuel, Oil & Lubricants	129,560	100,659	103,175	105,755	108,399	111,109	113,886	116,734	119,652	122,643	125,709

Projection of Cash Outflows

Schedule 5

	FY 2016 [1]	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
53-00 Road Materials/Supplies	10,000	5,000	5,125	5,253	5,384	5,519	5,657	5,798	5,943	6,092	6,244
54-00 Books/Membership/Traning	770	630	646	662	678	695	713	731	749	768	787
55-00 Training	14,600	17,848	18,294	18,752	19,220	19,701	20,193	20,698	21,216	21,746	22,290
Total: Operating Expenses	$ 2,871,532	4,988,958	5,113,682	5,241,524	5,372,562	5,506,876	5,644,548	5,785,662	5,930,303	6,078,561	6,230,525
Engineering											
Personal Services											
12-00 Regular Salaries & Wages	$ 611,590	711,454	729,240	747,471	766,158	785,312	804,945	825,069	845,695	866,838	888,509
12-12 Retirement Leave Accruals	9,507	-	-	-	-	-	-	-	-	-	-
13-00 Other Salaries & Wages	72,449	79,721	81,714	83,757	85,851	87,997	90,197	92,452	94,763	97,132	99,561
14-00 Overtime	41	425	436	447	458	469	481	493	505	518	531
21-00 FICA Taxes	59,021	63,377	64,961	66,585	68,250	69,956	71,705	73,498	75,335	77,219	79,149
22-00 Retirement Contributions	56,144	62,583	64,148	65,751	67,395	69,080	70,807	72,577	74,392	76,251	78,158
23-00 Life/Health Insurance	155,464	213,785	219,130	224,608	230,223	235,979	241,878	247,925	254,123	260,476	266,988
24-00 Worker's Compensation	7,218	9,029	9,255	9,486	9,723	9,966	10,215	10,471	10,733	11,001	11,276
27-00 Cafeteria Plan	36,000	36,000	36,900	37,823	38,768	39,737	40,731	41,749	42,793	43,863	44,959
Total: Personal Services	$ 1,007,434	1,176,374	1,205,783	1,235,928	1,266,826	1,298,497	1,330,959	1,364,233	1,398,339	1,433,297	1,469,130
Operating Expenses											
31-03 Engineering Services	$ 6,000	6,000	6,150	6,304	6,461	6,623	6,788	6,958	7,132	7,310	7,493
34-00 Contract Services	73,642	73,798	75,643	77,534	79,472	81,459	83,496	85,583	87,723	89,916	92,164
40-00 Travel & Per Diem	100	100	103	105	108	110	113	116	119	122	125
41-00 Communication	11,588	6,600	6,765	6,934	7,107	7,285	7,467	7,654	7,845	8,041	8,242
42-00 Postage & Freight	400	400	410	420	431	442	453	464	475	487	500
45-00 Insurance	2,585	2,867	2,939	3,012	3,087	3,165	3,244	3,325	3,408	3,493	3,580
46-00 Repairs & Maintenance	5,529	5,640	5,781	5,926	6,074	6,226	6,381	6,541	6,704	6,872	7,044
46-03 Repair/Maint - Vehicles	6,289	5,240	5,371	5,505	5,643	5,784	5,929	6,077	6,229	6,384	6,544
47-00 Printing & Binding	150	200	205	210	215	221	226	232	238	244	250
49-00 Other Charges & Oblig.	2,000	2,130	2,183	2,238	2,294	2,351	2,410	2,470	2,532	2,595	2,660
52-00 Operating Supplies	6,790	7,635	7,826	8,022	8,222	8,428	8,638	8,854	9,076	9,303	9,535
52-30 Fuel, Oil & Lubricants	8,155	8,130	8,333	8,542	8,755	8,974	9,198	9,428	9,664	9,906	10,153
54-00 Books/Membership/Traning	792	1,280	1,312	1,345	1,378	1,413	1,448	1,484	1,522	1,560	1,599
55-00 Training	5,669	4,635	4,751	4,870	4,991	5,116	5,244	5,375	5,510	5,647	5,788
Total: Operating Expenses	$ 129,689	124,655	127,771	130,966	134,240	137,596	141,036	144,562	148,176	151,880	155,677
Water Reclamation											
Personal Services											
12-00 Regular Salaries & Wages	$ 820,469	$ 839,209	$ 860,189	$ 881,694	$ 903,736	$ 926,330	$ 949,488	$ 973,225	$ 997,556	$ 1,022,495	$ 1,048,057
12-12 Retirement Leave Accruals	6,030	-	-	-	-	-	-	-	-	-	-
13-00 Other Salaries & Wages	31,503	32,580	33,395	34,229	35,085	35,962	36,861	37,783	38,727	39,696	40,688
14-00 Overtime	56,101	50,461	51,723	53,016	54,341	55,700	57,092	58,519	59,982	61,482	63,019
20-00 Clothing/Shoe Allowances	1,665	1,720	1,763	1,807	1,852	1,899	1,946	1,995	2,045	2,096	2,148
21-00 FICA Taxes	72,306	72,213	74,018	75,869	77,766	79,710	81,702	83,745	85,839	87,985	90,184
22-00 Retirement Contributions	238,948	249,606	255,846	262,242	268,798	275,518	282,406	289,466	296,703	304,121	311,724
23-00 Life/Health Insurance	181,304	188,164	192,868	197,690	202,632	207,698	212,890	218,213	223,668	229,260	234,991
24-00 Worker's Compensation	40,514	43,701	44,794	45,913	47,061	48,238	49,444	50,680	51,947	53,245	54,577

Projection of Cash Outflows

Schedule 5

		FY 2016 [1]	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
27-00	Cafeteria Plan	14,400	14,400	14,760	15,129	15,507	15,895	16,292	16,700	17,117	17,545	17,984
Total: Personal Services		$ 1,463,240	1,492,054	1,529,355	1,567,589	1,606,779	1,646,948	1,688,122	1,730,325	1,773,583	1,817,923	1,863,371
Operating Expenses												
31-00	Professional Services	$ 8,400	9,500	9,738	9,981	10,230	10,486	10,748	11,017	11,293	11,575	11,864
34-00	Contract Services	61,472	75,099	76,976	78,901	80,873	82,895	84,968	87,092	89,269	91,501	93,788
40-00	Travel & Per Diem	3,800	3,800	3,895	3,992	4,092	4,194	4,299	4,407	4,517	4,630	4,746
41-00	Communication	12,136	8,784	9,004	9,229	9,459	9,696	9,938	10,187	10,441	10,702	10,970
42-00	Postage & Freight	4,200	4,200	4,305	4,413	4,523	4,636	4,752	4,871	4,992	5,117	5,245
43-00	Electric/Water/Sewer Service	214,620	260,925	267,448	274,134	280,988	288,012	295,213	302,593	310,158	317,912	325,860
44-00	Rentals & Leases	4,100	7,100	7,278	7,459	7,646	7,837	8,033	8,234	8,440	8,651	8,867
45-00	Insurance	2,546	2,974	3,048	3,125	3,203	3,283	3,365	3,449	3,535	3,624	3,714
46-00	Repairs & Maintenance	255,794	288,522	295,735	303,128	310,707	318,474	326,436	334,597	342,962	351,536	360,324
46-02	Repair/Maint Building	35,000	100,850	103,371	105,956	108,604	111,320	114,103	116,955	119,879	122,876	125,948
46-03	Repair/Maint - Vehicles	8,350	8,725	8,943	9,167	9,396	9,631	9,872	10,118	10,371	10,631	10,896
49-00	Other Charges & Oblig.	6,380	6,380	6,540	6,703	6,871	7,042	7,218	7,399	7,584	7,773	7,968
52-00	Operating Supplies	199,296	200,700	205,718	210,860	216,132	221,535	227,074	232,750	238,569	244,533	250,647
52-07	Janitorial Supplies	2,000	2,000	2,050	2,101	2,154	2,208	2,263	2,319	2,377	2,437	2,498
52-30	Fuel, Oil & Lubricants	20,034	17,575	18,014	18,465	18,926	19,400	19,884	20,382	20,891	21,413	21,949
54-00	Books/Membership/Traning	600	600	615	630	646	662	679	696	713	731	749
55-00	Training	4,880	4,880	5,002	5,127	5,255	5,387	5,521	5,659	5,801	5,946	6,094
Total: Operating Expenses		$ 843,608	1,002,614	1,027,679	1,053,371	1,079,706	1,106,698	1,134,366	1,162,725	1,191,793	1,221,588	1,252,127
Sewer Field Operations												
Personal Services												
12-00	Regular Salaries & Wages	$ 508,135	$ 769,974	$ 789,223	$ 808,954	$ 829,178	$ 849,907	$ 871,155	$ 892,934	$ 915,257	$ 938,139	$ 961,592
14-00	Overtime	36,275	20,495	21,007	21,533	22,071	22,623	23,188	23,768	24,362	24,971	25,595
20-00	Clothing/Shoe Allowances	1,300	2,650	2,716	2,784	2,854	2,925	2,998	3,073	3,150	3,229	3,309
21-00	FICA Taxes	41,611	61,547	63,086	64,663	66,279	67,936	69,635	71,376	73,160	74,989	76,864
22-00	Retirement Contributions	209,660	234,488	240,350	246,359	252,518	258,831	265,302	271,934	278,733	285,701	292,843
23-00	Life/Health Insurance	162,870	250,994	257,269	263,701	270,293	277,050	283,977	291,076	298,353	305,812	313,457
24-00	Worker's Compensation	24,568	43,110	44,188	45,292	46,425	47,585	48,775	49,994	51,244	52,525	53,838
27-00	Cafeteria Plan	7,200	12,000	12,300	12,608	12,923	13,246	13,577	13,916	14,264	14,621	14,986
Total: Personal Services		$ 991,619	1,395,258	1,430,139	1,465,893	1,502,540	1,540,104	1,578,606	1,618,072	1,658,523	1,699,986	1,742,486
Operating Expenses												
34-00	Contract Services	$ 16,500	22,200	22,755	23,324	23,907	24,505	25,117	25,745	26,389	27,049	27,725
40-00	Travel & Per Diem	100	200	205	210	215	221	226	232	238	244	250
41-00	Communication	3,300	4,941	5,065	5,191	5,321	5,454	5,590	5,730	5,873	6,020	6,171
42-00	Postage & Freight	1,100	1,100	1,128	1,156	1,185	1,214	1,245	1,276	1,308	1,340	1,374
43-00	Electric/Water/Sewer Service	68,000	74,820	76,691	78,608	80,573	82,587	84,652	86,768	88,937	91,161	93,440
44-00	Rentals & Leases	1,550	1,550	1,589	1,628	1,669	1,711	1,754	1,798	1,842	1,889	1,936
45-00	Insurance	7,669	8,454	8,665	8,882	9,104	9,332	9,565	9,804	10,049	10,300	10,558
46-00	Repairs & Maintenance	422,500	580,000	594,500	609,363	624,597	640,211	656,217	672,622	689,438	706,674	724,341
46-03	Repair/Maint - Vehicles	42,210	36,674	37,591	38,531	39,494	40,481	41,493	42,531	43,594	44,684	45,801
47-00	Printing & Binding	300	300	308	315	323	331	339	348	357	366	375

Projection of Cash Outflows

Schedule 5

	FY 2016 [1]	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
49-00 Other Charges & Oblig.	300	300	308	315	323	331	339	348	357	366	375
52-00 Operating Supplies	25,820	27,730	28,423	29,134	29,862	30,609	31,374	32,158	32,962	33,786	34,631
52-30 Fuel, Oil & Lubricants	30,597	24,180	24,785	25,404	26,039	26,690	27,357	28,041	28,742	29,461	30,198
53-00 Road Materials/Supplies	10,000	10,000	10,250	10,506	10,769	11,038	11,314	11,597	11,887	12,184	12,489
54-00 Books/Membership/Traning	590	620	636	651	668	684	701	719	737	755	774
55-00 Training	1,750	4,978	5,102	5,230	5,361	5,495	5,632	5,773	5,917	6,065	6,217
Total: Operating Expenses	$ 632,286	798,047	817,998	838,448	859,409	880,895	902,917	925,490	948,627	972,343	996,651
Additional Personal Services Expense											
Personal Services Expense for New FTEs	$ -	1,006,262	1,036,450	1,067,544	1,099,570	1,132,557	1,166,534	1,201,530	1,237,576	1,274,703	1,312,944
Total: Additional Personal Services Expense	$ -	1,006,262	1,036,450	1,067,544	1,099,570	1,132,557	1,166,534	1,201,530	1,237,576	1,274,703	1,312,944
Total: Personal Services - All Depts	$ 12,603,126	14,336,314	14,699,753	15,072,429	15,454,578	15,846,440	16,248,264	16,660,303	17,082,818	17,516,077	17,960,352
Personal Services Execution Percentage	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Total: Personal Services Funding Level	**$ 12,603,126**	**14,336,314**	**14,699,753**	**15,072,429**	**15,454,578**	**15,846,440**	**16,248,264**	**16,660,303**	**17,082,818**	**17,516,077**	**17,960,352**
Total: Fixed Operating Expenses - All Depts	$ 15,748,806	18,727,533	19,196,371	19,676,948	20,169,561	20,674,509	21,192,102	21,722,657	22,266,499	22,823,960	23,395,381
Fixed Operating Expenses Execution Percentage	100%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Total: Fixed Operating Expenses Funding Level	**$ 15,748,806**	**15,918,403**	**16,316,915**	**16,725,406**	**17,144,127**	**17,573,333**	**18,013,287**	**18,464,259**	**18,926,524**	**19,400,366**	**19,886,074**
Total: Variable Operating Expenses - All Depts	$ 5,366,988	5,374,389	5,535,620	5,701,689	5,872,740	6,048,922	6,230,389	6,417,301	6,609,820	6,808,115	7,012,358
Variable Operating Expenses Execution Percentage	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Total: Variable Operating Expenses Funding Level	**$ 5,366,988**	**5,374,389**	**5,535,620**	**5,701,689**	**5,872,740**	**6,048,922**	**6,230,389**	**6,417,301**	**6,609,820**	**6,808,115**	**7,012,358**
Total: O&M Funding Level	**$ 33,718,920**	**35,629,106**	**36,552,289**	**37,499,525**	**38,471,444**	**39,468,695**	**40,491,940**	**41,541,863**	**42,619,163**	**43,724,557**	**44,858,784**
Other Below the Line Expenses											
Suntrust Letter of Credit Draw #1 - Principal	$ 145,000	150,000	-	-	-	-	-	-	-	-	-
Suntrust Letter of Credit Draw #1 - Interest	8,850	2,250	-	-	-	-	-	-	-	-	-
Suntrust Letter of Credit Draw #3 - Principal	64,000	66,000	-	-	-	-	-	-	-	-	-
Suntrust Letter of Credit Draw #3 - Interest	3,900	1,980	-	-	-	-	-	-	-	-	-
Suntrust Letter of Credit Draw #4 - Principal	65,000	70,000	35,000	-	-	-	-	-	-	-	-
Suntrust Letter of Credit Draw #4 - Interest	3,650	4,015	4,417	-	-	-	-	-	-	-	-
Suntrust Letter of Credit Draw #5 - Principal	40,000	44,930	-	-	-	-	-	-	-	-	-
Suntrust Letter of Credit Draw #5 - Interest	3,452	-	-	-	-	-	-	-	-	-	-
Total: Other Below the Line Expenses	$ 333,852	339,175	39,417	-	-	-	-	-	-	-	-
Debt Service Expenses											
Series 1999 Bond - Principal	$ 1,170,000	1,230,000	1,300,000	-	-	-	-	-	-	-	-
Series 1999 Bond - Interest	194,250	132,825	68,250	-	-	-	-	-	-	-	-
Series 2003 - Principal	1,250,000	1,315,000	1,370,000	1,445,000	1,525,000	1,605,000	1,700,000	1,790,000	-	-	-
Series 2003 - Interest	640,275	571,525	518,925	443,575	364,100	280,225	191,950	98,450	-	-	-
Series 2009A Bonds - Interest [2]	440,969	440,969	440,969	440,969	440,969	440,969	440,969	440,969	440,969	440,969	440,969
Series 2009B Bonds - Interest [2]	590,750	590,750	590,750	590,750	534,688	472,888	406,475	335,288	258,506	178,444	92,269
Series 2010 BAB - Interest [2]	1,866,313	1,866,313	1,866,313	1,866,313	1,866,313	1,866,313	1,866,313	1,866,313	1,866,313	1,866,313	1,866,313
Series 2010 BAB - Subsidy	(595,374)	(595,374)	(595,374)	(595,374)	(595,374)	(595,374)	(595,374)	(595,374)	(595,374)	(595,374)	(595,374)
Cumulative New Debt Service	-	1,421,659	1,849,619	3,628,777	4,075,358	5,881,825	6,335,261	7,639,656	7,967,068	8,800,117	9,009,219
Total: Debt Service Expenses	**$ 5,557,183**	**6,973,667**	**7,409,452**	**9,315,009**	**9,756,052**	**11,561,845**	**12,020,593**	**13,330,301**	**11,767,482**	**12,605,468**	**12,808,395**

Projection of Cash Outflows

Schedule 5

	FY 2016 [1]	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
SRF Debt Service Expenses											
SRL 517010 - Principal	$ 295,504	305,094	314,995	325,219	335,774	346,672	179,284	-	-	-	-
SRL 517010 - Interest	65,279	55,688	45,787	35,564	25,008	14,110	2,858	-	-	-	-
SRL 517020 - Principal	230,751	237,538	244,524	251,716	259,119	266,740	274,586	282,662	144,434	-	-
SRL 517020 - Interest	62,334	55,547	48,561	41,369	33,966	26,334	18,499	10,423	2,109	-	-
SRL 517030 - Principal	521,267	535,706	550,546	565,799	581,475	597,586	614,145	631,164	648,655	331,038	-
SRL 517030 - Interest	149,922	135,482	120,642	105,389	89,713	73,602	57,043	40,025	22,533	4,556	-
SRL 202P - Principal	161,870	165,020	168,231	171,505	174,843	178,246	181,715	185,251	188,857	192,129	-
SRL 202P - Interest	33,465	30,314	27,103	23,829	20,491	17,089	13,620	10,083	6,477	2,802	-
SRL 517040 - Principal	99,534	102,310	105,163	108,096	111,111	114,211	117,396	120,671	124,036	127,496	131,052
SRL 517040 - Interest	51,878	49,101	46,248	43,314	40,299	37,200	34,015	30,740	27,375	23,915	20,359
SRL - 517050 - Principal	284,707	292,745	301,010	309,509	318,248	327,234	336,473	345,974	355,743	365,787	376,115
SRL - 517050 - Interest	144,585	136,546	128,280	119,781	111,042	102,057	92,817	83,317	73,548	63,504	53,175
SRL WW812030 - Principal	257,294	264,861	272,652	280,671	288,927	297,425	306,173	315,178	324,449	333,992	343,816
SRL WW812030 - Interest	143,030	135,462	127,671	119,652	111,396	102,898	94,150	85,144	75,874	66,331	56,507
SRL DW517060 - Principal	5,269	5,417	5,571	5,729	5,891	6,058	6,229	6,406	6,587	6,774	6,966
SRL DW517060 - Interest	2,799	2,649	2,495	2,338	2,175	2,008	1,837	1,660	1,479	1,292	1,100
Total: SRF Debt Service Expenses	**$ 2,509,489**	**2,509,480**	**2,509,480**	**2,509,481**	**2,509,479**	**2,509,469**	**2,330,840**	**2,148,698**	**2,002,155**	**1,519,615**	**989,090**
Transfers Out											
91-01 Transfer to General Fund 001	$ 5,300,000	5,459,000	5,622,770	5,791,453	5,965,197	6,144,153	6,328,477	6,518,331	6,713,881	6,915,298	7,122,757
95-01 6% ILO Franchise Fee	1,388,042	993,919	1,099,335	1,215,111	1,342,088	1,477,600	1,622,143	1,776,237	1,940,430	2,115,303	2,301,466
Total: Transfers Out	**$ 6,688,042**	**6,452,919**	**6,722,105**	**7,006,564**	**7,307,284**	**7,621,753**	**7,950,620**	**8,294,568**	**8,654,311**	**9,030,601**	**9,424,223**
Capital Project Funding Sources											
Projects Paid from Reserve Balances	$ 9,756,691	1,403,855	3,431,448	3,472,442	5,116,385	5,346,566	7,246,174	8,442,328	12,548,575	14,743,807	17,792,542
Projects Designated to be Paid with Cash	-	-	-	-	-	-	-	-	-	-	-
Total: Capital Project Funding Sources	**$ 9,756,691**	**1,403,855**	**3,431,448**	**3,472,442**	**5,116,385**	**5,346,566**	**7,246,174**	**8,442,328**	**12,548,575**	**14,743,807**	**17,792,542**
TOTAL CASH OUTFLOWS	**$ 58,564,177**	**53,308,202**	**56,664,190**	**59,803,020**	**63,160,645**	**66,508,328**	**70,040,167**	**73,757,758**	**77,591,686**	**81,624,049**	**85,873,033**

(1) FY 2016 and FY 2017 expenses are based on FY 2016 Budget and the FY 2017 Proposed Budget, respectively. Beginning in FY 2018, expenses are based upon the FY 2017 estimates and cost escalation factors referenced on Schedule 6.
(2) Principal payments on Series 2009A, Series 2009B, and Series 2010 BAB bonds will not begin until FY 2027.

Cost Escalation Factors

Schedule 6

Annual Cost Escalation Factors:		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
12-00 Regular Salaries & Wages	Staff Estimate - PS	5.50%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
12-12 Retirement Leave Accruals	Staff Estimate - PS	5.50%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
13-00 Other Salaries & Wages	Staff Estimate - PS	5.50%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
14-00 Overtime	Staff Estimate - PS	5.50%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
20-00 Clothing/Shoe Allowances	Staff Estimate - PS	5.50%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
21-00 FICA Taxes	Staff Estimate - PS	5.50%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
22-00 Retirement Contributions	Staff Estimate - PS	5.50%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
23-00 Life/Health Insurance	Group Insurance	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
23-02 Life/Health Retirees	Group Insurance	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
24-00 Worker's Compensation	Staff Estimate - PS	5.50%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
25-00 Unemployment Compensation	Staff Estimate - PS	5.50%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
27-00 Cafeteria Plan	Staff Estimate - PS	5.50%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
PS Expense for Addl FTEs	Staff Estimate - PS	5.50%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
31-00 Professional Services	CBO Overall	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
31-01 Legal Expenses	CBO Overall	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
31-03 Engineering Services	CBO Overall	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
32-00 Accounting & Auditing	CBO Overall	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
34-00 Contract Services	CBO Overall	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
34-10 Allocations - General Fund	GF Transfer	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
39-00 Contingency	CBO Overall	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
40-00 Travel & Per Diem	CBO Overall	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
41-00 Communication	CBO Overall	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
42-00 Postage & Freight	CBO Overall	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
43-00 Electric/Water/Sewer Service	EIA	7.00%	2.28%	2.28%	2.28%	2.28%	2.28%	2.28%	2.28%	2.28%	2.28%
44-00 Rentals & Leases	CBO Overall	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
45-00 Insurance	CBO Overall	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
46-00 Repairs & Maintenance	ENR	2.65%	2.65%	2.65%	2.65%	2.65%	2.65%	2.65%	2.65%	2.65%	2.65%
46-02 Repair/Maint Building	ENR	2.65%	2.65%	2.65%	2.65%	2.65%	2.65%	2.65%	2.65%	2.65%	2.65%
46-03 Repair/Maint - Vehicles	ENR	2.65%	2.65%	2.65%	2.65%	2.65%	2.65%	2.65%	2.65%	2.65%	2.65%
47-00 Printing & Binding	CBO Overall	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
48-00 Promotional Activities	CBO Overall	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
49-00 Other Charges & Oblig.	CBO Overall	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
49-07 Bad Debt Expense	CBO Overall	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
49-08 Cash Over & Under	CBO Overall	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
49-09 Document Recording Chgs	CBO Overall	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
52-00 Operating Supplies	CBO Overall	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
52-07 Janitorial Supplies	CBO Overall	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
52-30 Fuel, Oil & Lubricants	Chemicals	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
53-00 Road Materials/Supplies	CBO Overall	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
54-00 Books/Membership/Traning	CBO Overall	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
55-00 Training	CBO Overall	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
EMPLOYEE HEALTH CENTER	CBO Overall	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
Default Inflation Factor		2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%

Cost Escalation Factors

Schedule 6

Annual Cost Escalation Factors:	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026

SAVE CALC ROLL

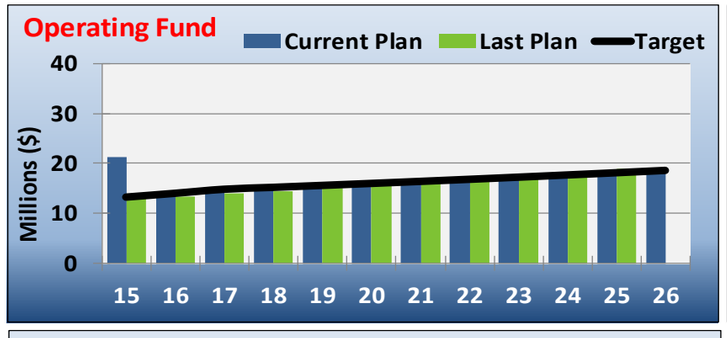
FINANCIAL ANALYSIS AND MANAGEMENT SYSTEM (FAMS) SUMMARY
City of Cocoa

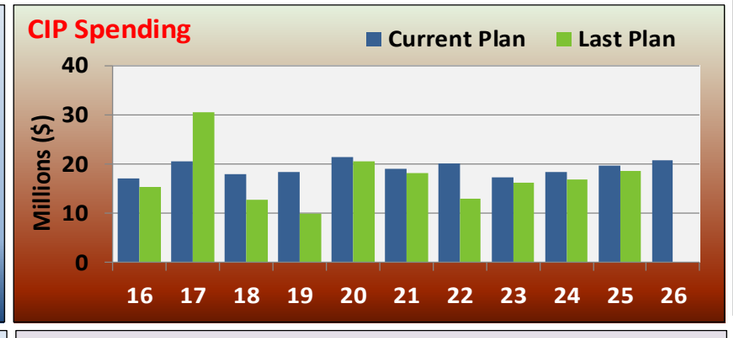
	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Override ▶		5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Water Rate Increases	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Last Plan	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	0.00%
Override ▶		5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	
Sewer Rate Increases	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	0.00%
Last Plan	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	0.00%
Override ▶		5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	
Reclaimed Rate Increases	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	0.00%
Last Plan	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	0.00%
Rate Covenant	2.90	2.41	2.52	2.22	2.35	2.19	2.32	2.30	2.85	3.10	3.15
Last Plan	3.80	3.84	3.16	3.10	2.99	3.07	2.99	3.07	3.93	3.81	0.00
Subordinate Debt Coverage	4.20	3.91	4.48	4.54	5.26	5.50	6.82	8.06	10.83	16.22	27.01
Last Plan	6.56	6.86	6.52	6.72	6.90	7.32	8.05	9.23	11.55	15.62	0.00
CIP $ Redistribution ▶	$0.00	-$22.00	$8.00	$7.00	$7.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
CIP Execution % ▶	100%	100%	75%	75%	75%	75%	75%	75%	75%	75%	75%
Operating Reserve Mo ▶	5	5	5	5	5	5	5	5	5	5	5
Average Bill (5,000 gals.)	$72.36	$75.95	$79.76	$83.79	$87.94	$92.32	$96.93	$101.78	$106.87	$112.20	$114.36
Last Plan	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

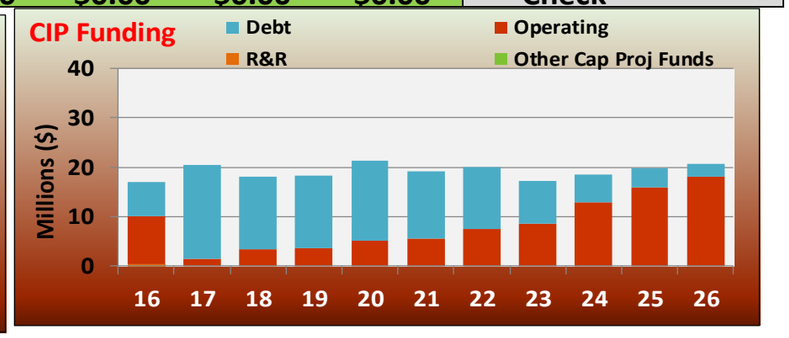
Cumulative Change	FY 2021	FY 2026
Water Rate Increases	27.53%	62.78%
Last Plan	15.93%	32.52%

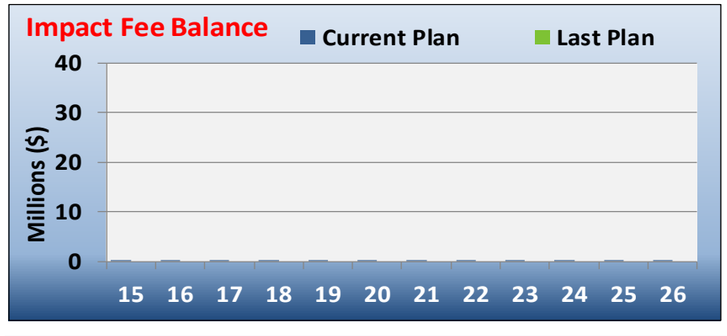
	FY 2016
PS Exec %	100.0%
OMV Exec %	100.0%
OMF Exec %	85.0%
CO Exec %	100.0%
Usage Change	-0.5%

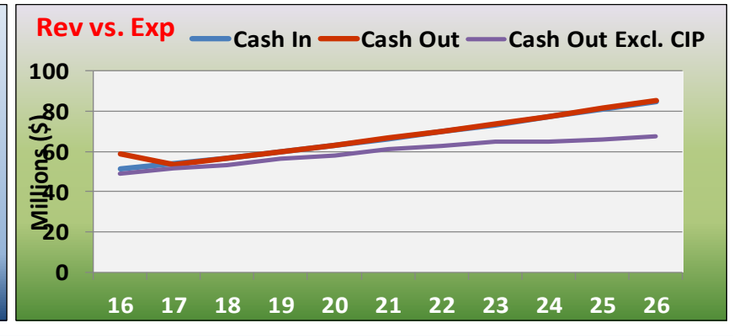
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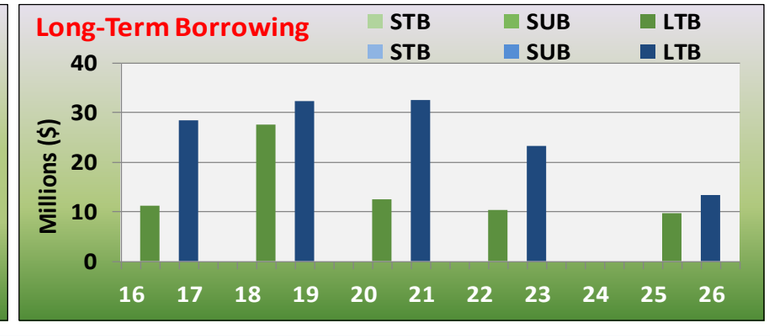












Forecast of Net Revenues and Debt Service Coverage

Schedule 8

			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
1	**Rate Revenue Subject to Growth & Rate Adjustments**												
2	Water, Sewer, & Reclaimed Rate Revenue		$ 48,800,406	46,602,886	49,099,939	51,780,045	54,656,878	57,745,080	61,000,877	64,433,167	68,051,314	71,865,173	75,885,115
3	Additional Rate Revenue From Partial PY Rate Increase		-	-	-	-	-	-	-	-	-	-	-
4	Additional Revenue From Growth		(2,197,520)	297,036	359,410	426,579	498,845	519,749	541,557	564,310	588,049	612,818	638,664
5	Weather Normalization And Other Adjustments		-	-	-	-	-	-	-	-	-	-	-
6	Subtotal: Base Revenue With Growth		$ 46,602,886	46,899,922	49,459,350	52,206,624	55,155,723	58,264,829	61,542,434	64,997,477	68,639,363	72,477,991	76,523,779
7	Weighted Average Rate Increase		0.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
8	Additional Rate Revenue From Rate Increase		-	2,344,996	2,472,967	2,610,331	2,757,786	2,913,241	3,077,122	3,249,874	3,431,968	3,623,900	3,826,189
9	Price Elasticity Adjustment		-	(144,979)	(152,272)	(160,077)	(168,429)	(177,193)	(186,389)	(196,037)	(206,158)	(216,776)	(227,913)
10	**Total Rate Revenue**		**$ 46,602,886**	**49,099,939**	**51,780,045**	**54,656,878**	**57,745,080**	**61,000,877**	**64,433,167**	**68,051,314**	**71,865,173**	**75,885,115**	**80,122,056**
11	**Plus: Other Operating Revenues**												
12	Other Operating Revenues		$ 3,018,521	3,094,491	3,094,491	3,094,491	3,094,491	3,094,491	3,094,491	3,094,491	3,094,491	3,094,491	3,094,491
13	**Equals: Total Operating Revenue**		**$ 49,621,407**	**52,194,430**	**54,874,536**	**57,751,369**	**60,839,571**	**64,095,368**	**67,527,658**	**71,145,805**	**74,959,664**	**78,979,606**	**83,216,547**
14	**Less: Operating Expenses**												
15	Personal Services		$ (12,603,126)	(14,336,314)	(14,699,753)	(15,072,429)	(15,454,578)	(15,846,440)	(16,248,264)	(16,660,303)	(17,082,818)	(17,516,077)	(17,960,352)
16	Variable O&M Expenses		(5,366,988)	(5,374,389)	(5,535,620)	(5,701,689)	(5,872,740)	(6,048,922)	(6,230,389)	(6,417,301)	(6,609,820)	(6,808,115)	(7,012,358)
17	Fixed O&M Expenses		(15,748,806)	(15,918,403)	(16,316,915)	(16,725,406)	(17,144,127)	(17,573,333)	(18,013,287)	(18,464,259)	(18,926,524)	(19,400,366)	(19,886,074)
18	**Equals: Net Operating Income**		**$ 15,902,486**	**16,565,324**	**18,322,247**	**20,251,845**	**22,368,127**	**24,626,673**	**27,035,718**	**29,603,942**	**32,340,501**	**35,255,049**	**38,357,762**
19	**Plus: Non-Operating Income/(Expense)**												
20	Non-Operating Revenue		$ -	-	-	-	-	-	-	-	-	-	-
21	Interest Earned On Fund Balances		198,018	241,240	320,488	407,124	501,450	603,890	714,271	824,830	856,307	880,707	905,399
22	Water Impact Fees		1,447,772	1,566,099	1,740,110	1,914,121	2,088,132	2,088,132	2,088,132	2,088,132	2,088,132	2,088,132	2,088,132
23	Wastewater Impact Fees		94,611	102,344	113,715	125,087	136,458	136,458	136,458	136,458	136,458	136,458	136,458
24	**Equals: Net Income**		**$ 17,642,887**	**18,475,007**	**20,496,561**	**22,698,177**	**25,094,168**	**27,455,154**	**29,974,579**	**32,653,362**	**35,421,399**	**38,360,347**	**41,487,752**
25	**Less: Revenues Excluded From Coverage Test**												
26	Impact Fees		$ (1,542,383)	(1,668,443)	(1,853,826)	(2,039,208)	(2,224,591)	(2,224,591)	(2,224,591)	(2,224,591)	(2,224,591)	(2,224,591)	(2,224,591)
27	**Equals: Net Income Available For Debt Service**		**$ 16,100,504**	**16,806,564**	**18,642,736**	**20,658,969**	**22,869,577**	**25,230,563**	**27,749,989**	**30,428,772**	**33,196,808**	**36,135,756**	**39,263,161**
28	**Senior-Lien Debt Service Coverage Test**												
29	Existing Debt Service		$ 5,557,183	5,552,007	5,559,832	5,686,232	5,680,695	5,680,020	5,685,332	5,690,645	3,800,414	3,805,351	3,799,176
30	Cumulative New Debt Service		-	1,421,659	1,849,619	3,628,777	4,075,358	5,881,825	6,335,261	7,639,656	7,967,068	8,800,117	9,009,219
	Total Senior-Lien Debt Service		**$ 5,557,183**	**6,973,667**	**7,409,452**	**9,315,009**	**9,756,052**	**11,561,845**	**12,020,593**	**13,330,301**	**11,767,482**	**12,605,468**	**12,808,395**
31	**Calculated Debt Service Coverage (Test I)**	1.10 Req.	**2.90**	**2.41**	**2.52**	**2.22**	**2.34**	**2.18**	**2.31**	**2.28**	**2.82**	**2.87**	**3.07**
32	**Calculated Debt Service Coverage (Test II)**	1.25 Req.	**3.17**	**2.65**	**2.77**	**2.44**	**2.57**	**2.37**	**2.49**	**2.45**	**3.01**	**3.04**	**3.24**
33	Net Income Available For SRF Debt Service		$ 10,543,321	9,832,897	11,233,284	11,343,960	13,113,524	13,668,719	15,729,396	17,098,471	21,429,326	23,530,287	26,454,766
34	**SRF Debt Service Coverage Test**												
35	Total SRF Debt Service		$ 2,509,489	2,509,480	2,509,480	2,509,481	2,509,479	2,509,469	2,330,840	2,148,698	2,002,155	1,519,615	989,090
36	Cumulative New Debt Service		-	-	-	-	-	-	-	-	-	-	-
37	**Total SRF Debt Service**		**$ 2,509,489**	**2,509,480**	**2,509,480**	**2,509,481**	**2,509,479**	**2,509,469**	**2,330,840**	**2,148,698**	**2,002,155**	**1,519,615**	**989,090**
38	**Calculated Debt Service Coverage**	1.20 Req.	4.20	3.92	4.48	4.52	5.23	5.45	6.75	7.96	10.70	15.48	26.75

Forecast of Net Revenues and Debt Service Coverage

Schedule 8

			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
39	**Cash Flow Test**												
40	Net Income Available For Debt Service	$	16,100,504	16,806,564	18,642,736	20,658,969	22,869,577	25,230,563	27,749,989	30,428,772	33,196,808	36,135,756	39,263,161
41	Transfers In		-	-	-	-	-	-	-	-	-	-	-
42	Transfers Out		(6,688,042)	(6,452,919)	(6,722,105)	(7,006,564)	(7,307,284)	(7,621,753)	(7,950,620)	(8,294,568)	(8,654,311)	(9,030,601)	(9,424,223)
43	Total Senior-Lien Debt Service		(5,557,183)	(6,973,667)	(7,409,452)	(9,315,009)	(9,756,052)	(11,561,845)	(12,020,593)	(13,330,301)	(11,767,482)	(12,605,468)	(12,808,395)
44	Total SRF Debt Service		(2,509,489)	(2,509,480)	(2,509,480)	(2,509,481)	(2,509,479)	(2,509,469)	(2,330,840)	(2,148,698)	(2,002,155)	(1,519,615)	(989,090)
45	Total Short-Term Debt Service		-	-	-	-	-	-	-	-	-	-	-
46	Payment of Debt Service With Water Impact Fees		1,447,772	1,566,099	1,740,110	1,914,121	2,088,132	2,088,132	2,088,132	2,088,132	2,088,132	2,088,132	2,088,132
47	Payment of Debt Service With Wastewater Impact Fees		94,611	102,344	113,715	125,087	136,458	136,458	136,458	136,458	136,458	136,458	136,458
48	Other Below the Line Expenses		(333,852)	(339,175)	(39,417)	-	-	-	-	-	-	-	-
48	Capital Outlay		-	-	-	-	-	-	-	-	-	-	-
49	**Net Cash Flow**	**$**	**2,554,321**	**2,199,766**	**3,816,108**	**3,867,123**	**5,521,351**	**5,762,087**	**7,672,526**	**8,879,796**	**12,997,450**	**15,204,662**	**18,266,044**
50	**Unrestricted Working Capital Reserve Fund Test**												
51	Balance At Beginning Of Fiscal Year	$	21,251,920	14,049,550	14,845,461	15,230,120	15,624,802	16,029,768	16,445,289	16,871,642	17,309,110	17,757,985	18,218,297
52	Cash Flow Surplus/(Deficit)		2,554,321	2,199,766	3,816,108	3,867,123	5,521,351	5,762,087	7,672,526	8,879,796	12,997,450	15,204,662	18,266,044
53	Cash Flow Deficit Paid with Unrestricted Reserve Fund Balance		-	-	-	-	-	-	-	-	-	-	-
54	Projects Designated to be Paid with Cash		-	-	-	-	-	-	-	-	-	-	-
55	Projects Paid with Unrestricted Reserve Fund Balance		(9,756,691)	(1,403,855)	(3,431,448)	(3,472,442)	(5,116,385)	(5,346,566)	(7,246,174)	(8,442,328)	(12,548,575)	(14,743,849)	(17,792,864)
56	**Balance At End Of Fiscal Year**	**$**	**14,049,550**	**14,845,461**	**15,230,120**	**15,624,802**	**16,029,768**	**16,445,289**	**16,871,642**	**17,309,110**	**17,757,984**	**18,218,798**	**18,691,477**
57	Minimum Working Capital Reserve Target		14,049,550	14,845,461	15,230,120	15,624,802	16,029,768	16,445,289	16,871,642	17,309,110	17,757,984	18,218,566	18,691,160
58	**Excess Working Capital Above Target**	**$**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0**	**0**	**232**	**317**

Capital Project Funding Summary

Schedule 9

CIP Funding Sources:	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
R & R	$ 320,860	-	-	-	-	-	-	-	-	-	-
REVENUE FUND	9,756,691	1,403,855	3,431,448	3,472,442	5,116,385	5,346,566	7,246,174	8,442,328	12,548,575	14,743,807	17,792,542
DEBT PROCEEDS	6,922,449	19,092,453	14,597,704	14,877,904	16,170,333	13,757,723	12,838,829	8,771,313	5,897,784	5,003,705	2,901,634
PROJECTS DESIGNATED TO BE PAID WITH CASH	-	-	-	-	-	-	-	-	-	-	-
Total CIP Funding Sources	**$ 17,000,000**	**20,496,308**	**18,029,153**	**18,350,345**	**21,286,718**	**19,104,289**	**20,085,003**	**17,213,641**	**18,446,359**	**19,747,512**	**20,694,175**
Total CIP Input	17,000,000	20,496,308	18,029,153	18,350,345	21,286,718	19,104,289	20,085,003	17,213,641	18,446,359	19,747,554	20,694,498
Variance	-		-	-	-	-	-	0	0	(42)	(323)

Long-Term Borrowing Projections

Schedule 10

			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Term (Years)			30	30	30	30	30	30	30	30	30	30	30
Interest Rate			4.50%	5.00%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%
Sources of Funds													
Par Amount			$0	$28,433,185	$0	$32,348,312	$0	$32,844,856	$0	$23,716,276	$0	$15,147,042	$0
Uses of Funds													
Proceeds			$0	$26,014,902	$0	$29,475,608	$0	$29,928,056	$0	$21,610,142	$0	$13,803,123	$0
Cost of Issuance	2.00%	of Par	$0	$568,664	$0	$646,966	$0	$656,897	$0	$474,326	$0	$302,918	$0
Underwriter's Discount	$0.00	per $1,000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Bond Insurance	0	times total Debt Service	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Capitalized Interest	0	Years Interest	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Debt Service Surety	0.00%	of Debt Service	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Debt Service Reserve	1	Years of Debt Service	$0	$1,849,619	$0	$2,225,738	$0	$2,259,903	$0	$1,631,808	$0	$1,042,150	$0
Other Costs			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Uses			$0	$28,433,185	$0	$32,348,312	$0	$32,844,856	$0	$23,716,276	$0	$15,148,191	$0
1 Year Interest			$0	$1,421,659	$0	$1,779,157	$0	$1,806,467	$0	$1,304,395	$0	$833,025	$0
Annual Debt Service			**$0**	**$1,849,619**	**$0**	**$2,225,738**	**$0**	**$2,259,903**	**$0**	**$1,631,808**	**$0**	**$1,042,120**	**$0**
Total Debt Service			$0	$55,488,585	$0	$66,772,146	$0	$67,797,093	$0	$48,954,228	$0	$31,263,599	$0
Cumulative New Annual Debt Service [(1)]			**$0**	**$1,421,659**	**$1,849,619**	**$3,628,777**	**$4,075,358**	**$5,881,825**	**$6,335,261**	**$7,639,656**	**$7,967,068**	**$8,800,093**	**$9,009,188**

(1) Cumulative new annual debt service assumes interest-only payments in first year of debt issuance.

Funding Summary by Fund

Schedule 11

		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
WATER IMPACT FEES												
Balance At Beginning Of Fiscal Year	$	-	-	-	-	-	-	-	-	-	-	-
Additional Annual Revenues		1,447,772	1,566,099	1,740,110	1,914,121	2,088,132	2,088,132	2,088,132	2,088,132	2,088,132	2,088,132	2,088,132
Less: Payment Of Debt Service		(1,447,772)	(1,566,099)	(1,740,110)	(1,914,121)	(2,088,132)	(2,088,132)	(2,088,132)	(2,088,132)	(2,088,132)	(2,088,132)	(2,088,132)
Subtotal	$	-	-	-	-	-	-	-	-	-	-	-
Less: Restricted Funds		-	-	-	-	-	-	-	-	-	-	-
Total Amount Available For Projects	$	-	-	-	-	-	-	-	-	-	-	-
Amount Paid For Projects		-	-	-	-	-	-	-	-	-	-	-
Subtotal	$	-	-	-	-	-	-	-	-	-	-	-
Add Back: Restricted Funds		-	-	-	-	-	-	-	-	-	-	-
Plus: Interest Earnings		-	-	-	-	-	-	-	-	-	-	-
Less: Interest Allocated To Cash Flow		-	-	-	-	-	-	-	-	-	-	-
Balance At End Of Fiscal Year	$	-	-	-	-	-	-	-	-	-	-	-
WASTEWATER IMPACT FEES												
Balance At Beginning Of Fiscal Year	$	-	-	-	-	-	-	-	-	-	-	-
Additional Annual Revenues		94,611	102,344	113,715	125,087	136,458	136,458	136,458	136,458	136,458	136,458	136,458
Less: Payment Of Debt Service		(94,611)	(102,344)	(113,715)	(125,087)	(136,458)	(136,458)	(136,458)	(136,458)	(136,458)	(136,458)	(136,458)
Subtotal	$	-	-	-	-	-	-	-	-	-	-	-
Less: Restricted Funds		-	-	-	-	-	-	-	-	-	-	-
Total Amount Available For Projects	$	-	-	-	-	-	-	-	-	-	-	-
Amount Paid For Projects		-	-	-	-	-	-	-	-	-	-	-
Subtotal	$	-	-	-	-	-	-	-	-	-	-	-
Add Back: Restricted Funds		-	-	-	-	-	-	-	-	-	-	-
Plus: Interest Earnings		-	-	-	-	-	-	-	-	-	-	-
Less: Interest Allocated To Cash Flow		-	-	-	-	-	-	-	-	-	-	-
Balance At End Of Fiscal Year	$	-	-	-	-	-	-	-	-	-	-	-
DER GRANT PROCEEDS												
Balance At Beginning Of Fiscal Year	$	53,965	54,370	54,914	55,600	56,434	57,422	58,570	59,888	61,385	62,920	64,493
Additional Annual Revenues		-	-	-	-	-	-	-	-	-	-	-
Less: Payment Of Debt Service		-	-	-	-	-	-	-	-	-	-	-
Subtotal	$	53,965	54,370	54,914	55,600	56,434	57,422	58,570	59,888	61,385	62,920	64,493
Less: Restricted Funds		-	-	-	-	-	-	-	-	-	-	-
	$	53,965	54,370	54,914	55,600	56,434	57,422	58,570	59,888	61,385	62,920	64,493
Amount Paid For Projects		-	-	-	-	-	-	-	-	-	-	-
Subtotal	$	53,965	54,370	54,914	55,600	56,434	57,422	58,570	59,888	61,385	62,920	64,493
Add Back: Restricted Funds		-	-	-	-	-	-	-	-	-	-	-
Plus: Interest Earnings		405	544	686	834	988	1,148	1,318	1,497	1,535	1,573	1,612
Less: Interest Allocated To Cash Flow		-	-	-	-	-	-	-	-	-	-	-
Balance At End Of Fiscal Year	$	54,370	54,914	55,600	56,434	57,422	58,570	59,888	61,385	62,920	64,493	66,105

Funding Summary by Fund

Schedule 11

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
RESTRICTED CAPITAL PROJECTS FUND											
Balance At Beginning Of Fiscal Year	$ 2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511
Additional Annual Revenues	-	-	-	-	-	-	-	-	-	-	-
Less: Payment Of Debt Service	-	-	-	-	-	-	-	-	-	-	-
Subtotal	$ 2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511
Less: Restricted Funds	-	-	-	-	-	-	-	-	-	-	-
Total Amount Available For Projects	$ 2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511
Amount Paid For Projects	-	-	-	-	-	-	-	-	-	-	-
Subtotal	$ 2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511
Add Back: Restricted Funds	-	-	-	-	-	-	-	-	-	-	-
Plus: Interest Earnings	21,506	28,675	35,844	43,013	50,181	57,350	64,519	71,688	71,688	71,688	71,688
Less: Interest Allocated To Cash Flow	(21,506)	(28,675)	(35,844)	(43,013)	(50,181)	(57,350)	(64,519)	(71,688)	(71,688)	(71,688)	(71,688)
Balance At End Of Fiscal Year	$ 2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511	2,867,511
R & R											
Balance At Beginning Of Fiscal Year	$ 3,070,860	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000
Additional Annual Revenues	-	-	-	-	-	-	-	-	-	-	-
Less: Payment Of Debt Service	-	-	-	-	-	-	-	-	-	-	-
Subtotal	$ 3,070,860	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000
Less: Restricted Funds	(2,750,000)	(2,750,000)	(2,750,000)	(2,750,000)	(2,750,000)	(2,750,000)	(2,750,000)	(2,750,000)	(2,750,000)	(2,750,000)	(2,750,000)
Total Amount Available For Projects	$ 320,860	-	-	-	-	-	-	-	-	-	-
Amount Paid For Projects	(320,860)	-	-	-	-	-	-	-	-	-	-
Subtotal	$ -	-	-	-	-	-	-	-	-	-	-
Add Back: Restricted Funds	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000
Plus: Interest Earnings	-	-	-	-	-	-	-	-	-	-	-
Less: Interest Allocated To Cash Flow	-	-	-	-	-	-	-	-	-	-	-
Balance At End Of Fiscal Year	$ 2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000
REVENUE FUND											
Balance At Beginning Of Fiscal Year	$ 21,251,920	14,049,550	14,845,461	15,230,120	15,624,802	16,029,768	16,445,289	16,871,642	17,309,110	17,757,984	18,218,665
Additional Annual Revenues	2,554,321	2,199,766	3,816,108	3,867,123	5,521,351	5,762,087	7,672,526	8,879,796	12,997,450	15,204,662	18,266,044
Less: Cash-Funded Capital Projects	-	-	-	-	-	-	-	-	-	-	-
Less: Payment Of Debt Service	-	-	-	-	-	-	-	-	-	-	-
Subtotal	$ 23,806,241	16,249,316	18,661,569	19,097,244	21,146,153	21,791,856	24,117,815	25,751,438	30,306,559	32,962,647	36,484,710
Less: Restricted Funds	(14,049,550)	(14,845,461)	(15,230,120)	(15,624,802)	(16,029,768)	(16,445,289)	(16,871,642)	(17,309,110)	(17,757,984)	(18,218,566)	(18,691,160)
Total Amount Available For Projects	$ 9,756,691	1,403,855	3,431,448	3,472,442	5,116,385	5,346,566	7,246,174	8,442,328	12,548,575	14,744,081	17,793,550
Amount Paid For Projects	(9,756,691)	(1,403,855)	(3,431,448)	(3,472,442)	(5,116,385)	(5,346,566)	(7,246,174)	(8,442,328)	(12,548,575)	(14,743,807)	(17,792,542)
Subtotal	$ -	-	-	-	-	-	-	(0)	(0)	274	1,008
Add Back: Restricted Funds	14,049,550	14,845,461	15,230,120	15,624,802	16,029,768	16,445,289	16,871,642	17,309,110	17,757,984	18,218,566	18,691,160
Plus: Interest Earnings	132,381	144,475	187,972	231,412	276,977	324,751	374,815	427,259	438,339	449,710	461,385
Less: Interest Allocated To Cash Flow	(132,381)	(144,475)	(187,972)	(231,412)	(276,977)	(324,751)	(374,815)	(427,259)	(438,339)	(449,710)	(461,385)
Balance At End Of Fiscal Year	$ 14,049,550	14,845,461	15,230,120	15,624,802	16,029,768	16,445,289	16,871,642	17,309,110	17,757,984	18,218,839	18,692,168

Funding Summary by Fund

Schedule 11

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
DEBT SERVICE RESERVES											
Balance At Beginning Of Fiscal Year	$ 5,884,144	5,884,144	7,733,763	7,733,763	9,959,502	9,959,502	12,219,405	12,219,405	13,851,212	13,851,212	14,893,690
Additional Annual Revenues:											
Debt Service Reserve on New Debt	-	1,849,619	-	2,225,738	-	2,259,903	-	1,631,808	-	1,042,309	-
Other Additional Funds	-	-	-	-	-	-	-	-	-	-	-
Subtotal	$ 5,884,144	7,733,763	7,733,763	9,959,502	9,959,502	12,219,405	12,219,405	13,851,212	13,851,212	14,893,521	14,893,690
Plus: Interest Earnings	44,131	68,090	96,672	132,699	174,291	221,789	274,937	325,883	346,280	359,309	372,342
Less: Interest Allocated To Cash Flow	(44,131)	(68,090)	(96,672)	(132,699)	(174,291)	(221,789)	(274,937)	(325,883)	(346,280)	(359,309)	(372,342)
Balance At End Of Fiscal Year	$ 5,884,144	7,733,763	7,733,763	9,959,502	9,959,502	12,219,405	12,219,405	13,851,212	13,851,212	14,893,521	14,893,690

Legislation Details (With Text)

File #:	16-338	**Version:**	1	**Name:**	
Type:	Informational Item			**Status:**	Council Busines
File created:	8/8/2016			**In control:**	City Council
On agenda:	8/23/2016			**Final action:**	
Title:	Approve request for the following street closures: Walk to End Alzheimer's and the Christ Central Church Block Party/Fundraiser. (Community Services Director)				
Sponsors:					
Indexes:					
Code sections:					
Attachments:	WalkToEndAlzheimers_85x11Portrait Multi_Year_Current_Road_Closures FallFestivalChristCentralChurch_85x11Portrait				

Date	Ver.	Action By	Action	Result

CITY COUNCIL AGENDA ITEM

Memo Date: August 8, 2016
Agenda Date: August 23, 2016
Prepared By: Gail Bantugan, Leisure Services Manager
Through: Steven P. Belden, AICP, Community Services Director
Requested Action:
Approve request for the following street closures: Walk to End Alzheimer's, Christ Central Church Block Party/Fundraiser.

BACKGROUND:

In accordance with Ordinance 02-2016, there are a maximum of twenty-four (24) street closure days permitted in the Central Business District (CBD) per calendar year. Approval of the Walk to End Alzheimer's (1 day) will bring the total to 20 approved street closure days. The street closure request for the Central Christ Church Block Party will not count towards the 24 allowable closure days as it is not located in the CBD.

"2016 Space Coast Walk to End Alzheimer's: Friday, September 16, 2016, from 12:00p.m. - Saturday, September 17, 2015 at 2:00 p.m:

"2016 Space Coast Walk to End Alzheimer's - Ceremony/Event Headquarters" -
Harrison Street parking spaces adjacent to Harrison Field: Friday, September 16, 2016, from 12:00p.m. - Saturday, September 17, 2015 at 2:00 p.m:

SOUTH side ONLY parking spaces between Riveredge Boulevard and Delannoy Avenue for the early set-up of the registration/ceremony site, stage and tent will take place from 6:00am. - 5:00pm.

The NORTH side of Harrison Street will remain open to traffic and parking along Parkside Place.

Harrison Street: Saturday, September 17, 2015 from 6:00 a.m. - 2:00 p.m.
FULL closure between Riveredge Blvd and Delannoy for event registration, start/finish, ceremony and event tear-down and clean-up.

"2016 Space Coast Walk to End Alzheimer's" - Saturday, September 17, 2016, from 8:00a.m. - 11:00a.m:

Harrison Street:	Between Delannoy Avenue and Brevard Avenue
Brevard Avenue:	Between Harrison Street and Oleander Street
Oleander Street:	Between Brevard Avenue and Stone Street
Stone Street:	Between Oleander Street and Brevard Court
Brevard Court:	Between Stone Street and Orange Street
Orange Street:	Between Brevard Court and Hughlett Avenue
Hughlett Avenue:	Between Orange Street and Factory Street
Factory Street :	Between Hughlett Avenue and Brevard Avenue
Brevard Avenue:	Between Factory Street and Oak Street
Oak Street:	Between Brevard Avenue and Riverside Drive
Riverside Drive:	Between Oak Street and Church Street
Church Street:	Between Riverside Drive and Riverfront Park

"Christ Central Church Fall Festival" - Saturday, October 29, 2016 from 1:00 p.m. - 8:00 p.m.

The Annual Fall Festival which will include event set-up from 1:00 p.m. to 3:00 p.m., the event from 3:00 p.m. to 7:30 p.m., and event tear-down from 7:30 p.m. to 8:00 p.m. The event will be include amusements, silent auction, petting zoo and other family friendly activities. This event has taken place the past four years.

Coquina Drive: Between Michigan Avenue to the edge of the church property for the requested Special Event.

STRATEGIC PLAN CONNECTION:

Economic Development, Community Development and Image, are all impacted positively by special events held in Cocoa Village

BUDGETARY IMPACT:

The City receives $50.00 from each applicant that requests a street closure.

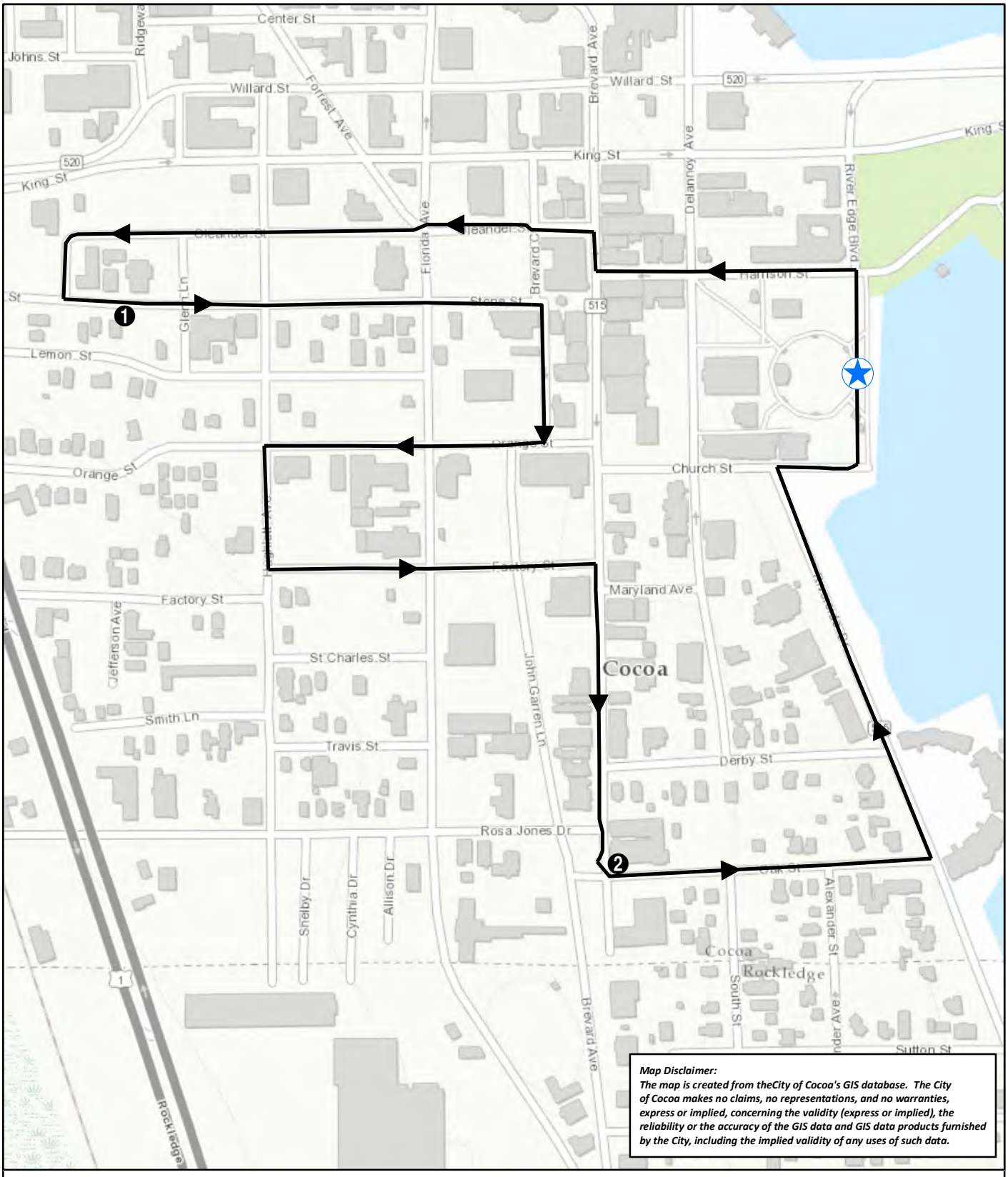
PREVIOUS ACTION:

Each of these annual events have been approved for a street closure in the past:
The Walk to End Alzheimer's 1 year, Christ Central Church 4 years

RECOMMENDED MOTION:

Approval of the requested street closures: Walk to End Alzheimer's, and Central Christ Church Block Party/Fundraiser.

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Start/Finish

Street Closures

0 200 400

Feet

N
W E
S

City of Cocoa

Road Closures

The Walk to End Alzheimer's

September 17, 2016

6:00am - 2:00pm

City of Cocoa
65 Stone St.
Cocoa, FL 32922
www.cocoafl.org

Route Length = 2 Miles

Water Station
1 - TBD
2 - TBD

Map Date: 8/10/2016

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Date	Event	Expected Attendance	Location	Time	Street Closures	Council Approval
1/29/2011	HCVA Classic Car Show	200	Cocoa Village	2-8pm	Brevard from Harrison to Church, Delannoy From Church to Harrison and Harrison from Delannoy to Brevard.	1/11/2011
2/25-2/27/11	Cocoa Village Mardi Gras	8,000	Cocoa Village	3pm-12am	Brevard from Harrison to Church, Delannoy From Church to Harrison, Church from Brevard to Delannoy and Harrison from Delannoy to Brevard.	Ordinance
3/5-3/6/11	HCVA Spring Craft Fair	9,000	Cocoa Village	10am-5pm	Brevard, Church, Delannoy, Harrison	Ordinance
4/3/2011	FIT for L.I.F.E. - Overland Missions	300	Riverfront Park	5:30-8pm	Church from Riverfront Park to Riverside Dr. and Riverside Dr. into Rockledge	2/22/2011
4/30/2011	Relay for Life - American Cancer Society	300-500	Riverfront Park	2pm-9am	Harrison from Riveredge to Delannoy	7/13/2010
5/21-5/22/11	HCVA Summer Craft Fair	9,000	Cocoa Village	10am-5pm	Brevard, Church, Delannoy, Harrison	Ordinance
6/10-6/11/11	BBQ & Blues - Historic Cocoa Village Association	5,000	Riverfront Park	10am-8pm	Harrison Street from Riveredge to Delannoy & Delannoy from Harrison to Church	1/11/2011
7/4/2011	July 4th Celebration	12,000	Riverfront Park	6am-11pm	Harrison from Riveredge to Delannoy	Ordinance
9/17/2011	HCVA Classic Car Show and Sidewalk Sale	500	Cocoa Village	11am-6pm	Brevard from Harrison to Church, Delannoy From Church to Harrison and Harrison from Delannoy to Brevard.	8/9/2011
10/8/11 moved to 10/22/11	Oktoberfest - Brevard Productions, Inc.	3,500	Cocoa Village	5pm-12:30am	Brevard Ave. from Oleander to Orange, Harrison from Brevard to Delannoy on Saturday from 3pm-12:30am	4/12/2011
10/15-10/16/11	HCVA Fall Craft Fair	9,000	Cocoa Village	10am-5pm	Brevard, Church, Delannoy, Harrison	Ordinance
10/22/2011	FEDS Step up for Down Syndrome	500	Riverfront Park	9am-12pm	Riverside and Church	9/13/2011
10/28/2011	Junior League's Pumpkins in the Park	1,000	Riverfront Park	5-9pm	Riverside and Church	4/12/2011
10/29-10/30/11	Space Coast Free Wheelers ICWC Bike Race	500	Civic Center & Village	6am-6pm	Delannoy & Harrison	9/13/2011
10/30/2011	City of Cocoa's Halloween in the Village	5,000	Cocoa Village and Riverfront Park	4pm-9pm	Delannoy & Harrison	8/9/2011
11/27/2011	Space Coast Marathon - Running Zone Foundation	3,500	Riverfront Park	6am-1pm	Brevard, Orange, Florida, SR 520, Indian River Dr., Church, Riverside	7/26/2011
12/3-12/4/11	HCVA Holiday Craft Fair	9,000	Cocoa Village	10am-5pm	Brevard, Church, Delannoy, Harrison	Ordinance
12/17/2011	YMCA - Candy Cane Run	150	YMCA area	8am-10am	Rosentine, Range, Michigan, Clearlake	12/13/2011

=City sponsored function

	Date	Event	Expected Attendance	Location	Road Closure Time	Street Closures	Council Approval
1	1/16/2012	Martin Luther King Jr. Walk and Celebration	500	Riverfront Park	2-3pm	Provost Park on Varr Ave. to SR 520 going east to Riveredge Blvd. into Riverfront Park	12/13/2011
2	2/24-2/26/12	Cocoa Village Mardi Gras	8,000	Cocoa Village	3pm-12am	Brevard from Harrison to Church, Delannoy From Church to Harrison, Church from Brevard to Delannoy and Harrison from Delannoy to Brevard.	Ordinance
3	3/3-3/4/12	HCVA Spring Craft Fair	9,000	Cocoa Village	10am-5pm	Brevard, Church, Delannoy, Harrison	Ordinance
4	3/17/2012	Spring Praise Fest - Riverside Presbyterian	5,000	Riverfront Park	10am-10pm	Porcher House Loop	7/26/2011
5	3/25/2012	Gran Fondo Brevard - Infinity Racing Organization	300	Riverfront Park	7am-7:30am	Delannoy Ave. from Church St. to SR 520 and Harrison from Riveredge to Delannoy Ave.	
6	4/21/2012	HCVA - Car Show and Antiques Walk	500	Cocoa Village	10am-5pm	Brevard, Delannoy, Harrison	1/10/2012
7	4/22/2012	FIT for L.I.F.E. - Overland Missions	500	Riverfront Park	5:30-7:30pm	Church from Riverfront Park to Riverside Dr. and Riverside Dr. into Rockledge	8/9/2011
8	4/28-29/2012	Relay for Life - American Cancer Society	300-500	Riverfront Park	11pm-5am	Harrison from Riveredge to Delannoy	1/10/2012
9	5/19-5/20/12	HCVA Summer Craft Fair	9,000	Cocoa Village	10am-5pm	Brevard, Church, Delannoy, Harrison	Ordinance
10	6/8-6/9/12	BBQ & Blues - Historic Cocoa Village Association	5,000	Riverfront Park	7am-8pm	Harrison Street from Riveredge to Delannoy & Delannoy from Harrison to Church	7/26/2011
11	6/16/2012	2012 Juneteenth Festival	500	Valencia & Mango	10am-6pm	Valencia Ave & Mango Ave from Stone St. to Barbara Jenkins St., Stone St. from Fiske to Mango, Pineapple from Stone to Barbara Jenkins	4/10/2012
12	7/4/2012	July 4th Celebration	12,000	Riverfront Park	6am-11pm	Harrison from Riveredge to Delannoy	Ordinance
13		Grand Re-opening of the Cocoa Village Playhouse	600	Cocoa Village	2-8pm	Brevard Ave. from Oleander to Harrison	6/12/2012
14	9/22/2012	HCVA - Car Show and Sidewalk Sale	500	Cocoa Village	10am-5pm	Brevard, Delannoy, Harrison	1/10/2012
15	10/13/2012	Cocoa Village Oktoberfest - Cocoa Village Bar & Restaurant Association	5,000	Cocoa Village	3pm-12:30am	Brevard Ave. from Oleander to Orange, Harrison from Brevard to Delannoy	1/10/2012
16	10/20-10/21/12	HCVA Fall Craft Fair	9,000	Cocoa Village	10am-5pm	Brevard, Church, Delannoy, Harrison	Ordinance
17	10/26/2012	Junior League's Pumpkins in the Park	1,000	Riverfront Park	5-9pm	Riverside and Church	1/10/2012
18	10/28/2012	Space Coast Free Wheelers ICWC Bike Race	500	Civic Center & Village	7:30-8:30am	Delannoy & Harrison	1/10/2012
19	10/28/2012	City of Cocoa's Halloween in the Village	5,000	Cocoa Village and Riverfront Park	4pm-9pm	Delannoy & Harrison	1/10/2012
20	11/3/2012	FEDS Step up for Down Syndrome	500	Riverfront Park	9am-12pm	Riverside and Church	1/10/2012
21	11/25/2012	Space Coast Marathon - Running Zone Foundation	4,000	Riverfront Park	6am-1pm	Brevard, Orange, Florida, SR 520, Indian River Dr., Church, Riverside	1/10/2012
22	12/1-12/2/12	HCVA Holiday Craft Fair	9,000	Cocoa Village	10am-5pm	Brevard, Church, Delannoy, Harrison	Ordinance
23	12/15/2012	YMCA - Candy Cane Run	150	YMCA area	8am-10am	Rosentine, Range, Michigan, Clearlake	1/10/2012

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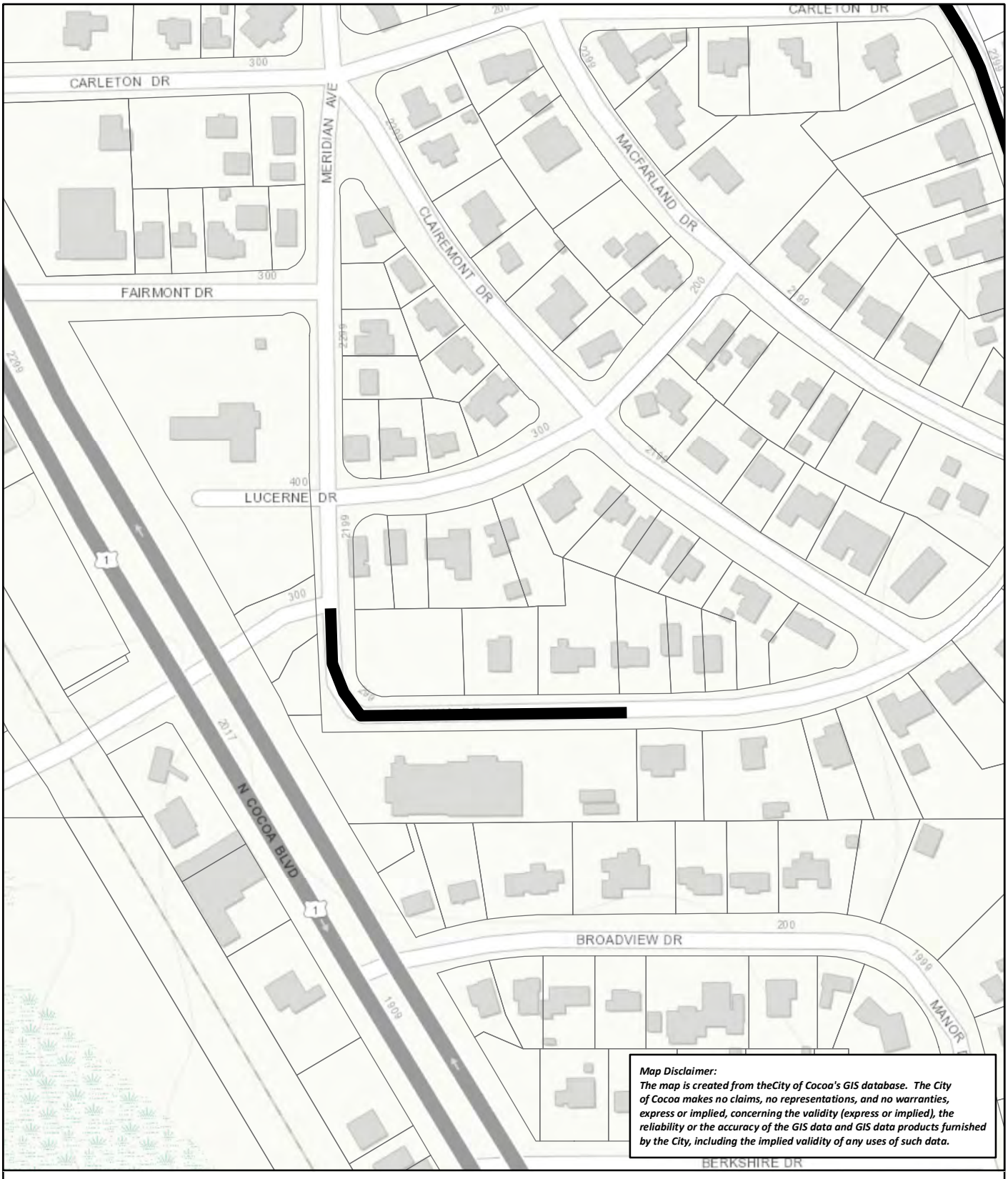
	Date	Event	Expected Attendance	Location	Road Closure Time	Street Closures	Council Approval
1	1/21/2013	Martin Luther King Jr. Walk and Celebration	500	Riverfront Park	2-3pm	Provost Park on Varr Ave. to SR 520 going east to Riveredge Blvd. into Riverfront Park	1/8/2013
2	2/9/2013	Cocoa Village Mardi Gras	8,000	Cocoa Village	3pm-12am	Brevard from Harrison to Church, Delannoy From Church to Harrison, Church from Brevard to Delannoy and Harrison from Delannoy to Brevard.	ordinance
3	3/2-3/3/13	HCVA Spring Craft Fair	9,000	Cocoa Village	10am-5pm	Brevard, Church, Delannoy, Harrison	ordinance
4	4/20/2013	HCVA - Car Show and Antiques Walk	500	Cocoa Village	12-7pm	Brevard, Delannoy, Harrison	1/8/2013
5	4/27-4/28/13	Relay for Life - American Cancer Society	300-500	Riverfront Park	11pm-5am	Harrison from Riveredge to Delannoy	1/8/2013
6	5/18-5/19/13	HCVA Summer Craft Fair	9,000	Cocoa Village	10am-5pm	Brevard, Church, Delannoy, Harrison	ordinance
7	5/18/2013	Seaside Scurry 3k run/walk	150	Cocoa Village	7:30-8:30am	Riverside, Oak, Derby, Rosa L Jones, John Garren, Hughlett, Stone, Brevard Ct., Orange, Church	4/23/2013
8	5/25/2013	Miracle 5k Run	500	Cocoa Village/Riverfront Park	7:30-10am	Delannoy, Derby, Brevard, Oak, Riverside, Harrison	4/9/2013
9	6/7-6/8/13	BBQ & Blues - Historic Cocoa Village Association	5,000	Riverfront Park	7am-8pm	Harrison Street from Riveredge to Delannoy & Delannoy from Harrison to Church	1/8/2013
10	6/15/2013	2012 Juneteenth Festival	500	Valencia & Mango	9:30am-6pm	Valencia Ave & Mango Ave from Stone St. to Barbara Jenkins St., Stone St. from Fiske to Mango, Pineapple from Stone to Barbara Jenkins; Fiske from Dixon to Barbara Jenkins.	1/8/2013
11	7/4/2013	July 4th Celebration	12,000	Riverfront Park	6am-11pm	Harrison from Riveredge to Delannoy	ordinance
12	9/14/2013	Central Florida Music Festival	2,500	Cocoa Village and Riverfront Park	5pm-12am	Brevard from Oleander to Church, Church from Brevard to Delannoy, Delannoy From Church to Harrison, Harrison from Riveredge to Brevard.	
13	9/21/2013	Anniversary for Jesus March/Community Fellowship Church	50	Fiske Blvd.	10am-10:30am	Fiske from Dixon to Provost Park	
14	9/21/2013	HCVA - Car Show and Sidewalk Sale	500	Cocoa Village	10am-5pm	Brevard, Delannoy, Harrison	1/8/2013
15	10/5/2013	Cocoa Village Oktoberfest - Cocoa Village Bar & Restaurant Association	5,000	Riverfront Park	3pm-12:30am	Harrison Street from Riveredge to Delannoy	1/8/2013
16	10/19-10/20/13	HCVA Fall Craft Fair	9,000	Cocoa Village	10am-5pm	Brevard, Church, Delannoy, Harrison	ordinance
17	10/25/2013	Junior League's Pumpkins in the Park	1,000	Riverfront Park	5-9pm	Riverside and Church	1/8/2013
18	10/27/2013	Space Coast Free Wheelers ICWC Bike Race	500	Civic Center & Village	7:30-8:30am	Delannoy & Harrison	1/8/2013
	10/27/2013	City of Cocoa's Halloween in the Village	5,000	Cocoa Village and Riverfront Park	4pm-9pm	Delannoy & Harrison	1/8/2013
19	11/2/2013	FEDS Step up for Down Syndrome	500	Riverfront Park	9am-12pm	Riverside and Church	1/8/2013
20	12/1/2013	Space Coast Marathon - Running Zone Foundation	4,000	Riverfront Park	6am-1pm	Brevard, Orange, Florida, SR 520, Indian River Dr., Church, Riverside	1/8/2013
21	12/7-12/8/13	HCVA Holiday Craft Fair	9,000	Cocoa Village	10am-5pm	Brevard, Church, Delannoy, Harrison	ordinance
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Date	Event	Expected Attendance	Location	Road Closure Time	Street Closures	Council Approval	Est. # of days for road closure
1/18/2016	Parade: Martin Luther King Jr. Walk and Celebration	500	Riverfront Park	2-3pm	Provost Park on Varr Ave. to SR 520 going east to Riveredge Blvd. into Riverfront Park	City Manager Approval Per Sec. 2-403 Article XI Special Events and Parades	0.00
2/20/2016	Cocoa Village Mardi Gras	8,000	Cocoa Village	3pm-12am	Brevard from Harrison to Church, Delannoy From Church to Harrison, Church from Brevard to Delannoy and Harrison from Delannoy to Brevard.	Council approval on 10/4/2015	1.00
3/5/2016	St. Marks Episopal Academy Lions on the Run 5K	100	St. Marks Academy	7am-12pm	Riverside Dr., Oak Street, Brevard Ave, John Garren Ln, Factory st. Brevard Ave, Delannoy Ave, Church	Approved 2/23/2016	0.50
3/5-3/6/2016	HCVA Spring Craft Fair	9,000	Cocoa Village	10am-6pm	Brevard Ave from King St to Factory St, Oleander St from Brevard to Municipal Parking, Orange Ave from Brevard Place, Church St from Brevard to Delannoy Ave, Delannooy Ave from Church to Harrison St Harrison St. from Brevard to Park washrooms.	Approved 2/23/2016	2.00
4/1/2016	Village Idiot 5K Village Lost Their Idiot	500	Cocoa Vilalge	6:30pm-10:00pm	Church Street: Between Riverfront Park and Riverside Drive. Riverside Drive: Between Church Street and Oak Street. Oak Street: Between Riverside Drive and Brevard Avenue Brevard Avenue: Between Oak Street and Harrison Street.Harrison Street: Between Brevard Avenue and Riveredge Boulevard	Approved 2/23/2016	1.00
4/16/2016	HCVA - Car Show	500	Cocoa Village	10am-5pm	HCVA Car Show, Saturday, April 16, 2016 –Requesting from 10:00 am – 5:00 pm. Brevard Ave.: Between SR 520 and Church St. Harrison St.: Between Delannoy Ave. and Brevard Ave. Oleander St.: Between Brevard Ave. to public restrooms.	Approved 2/23/2016	1.00
05/14-05/15 2016	HCVA Summer Craft Fair	9,000	Cocoa Village	10am-5pm	Brevard Ave: Between SR520 and Factory St. Oleander St.: Between Brevard up to the Municipal Parking Harrison: Between Riveredge and Brevard Church St.: Between Brevard and Delannoy Delannoy St.: Between Church and Harrison.	Approved 2/23/2016	2.00

5/22/2016	Cocoa Village Triathlon Multi Race	300	Cocoa, Cocoa Village, Rockledge, Brevard County	7am-9am	Multi Race Bike Course: Harrison Street: Between Riveredge and Brevard Ave. Delannoy Street: Between Harrison and 520 SR 520 crossing at Delannoy and Brevard: Cocoa PD will be positioned on all four corners of 520.The bike segment will commence north on Indian River Drive to Black's Road to the course turn around. Multi Race Run Course: Church Street: Between Brevard and Delannoy and Riverside Dr. The run segment of the race will commence south on Riverside Drive through Rockledge to the turnaround point at Barton Avenue in Rockledge and return on the same route.	Approved 2/23/2016	0.50
6/3-4/16	BBQ and Blues	10,000	Cocoa Village	7am-8pm	Harrison Street from Riveredge to Delannoy & Delannoy from Harrison to Church	Aproved 2/23/2016	2.00
6/18/2016	Juneteenth l Arts and Cultural Festival	1,000	City of Cocoa Neighborhood	7am-7pm	Pineapple Avenue: Between SR 520 and Barbara Jenkins, Stone Street: Between Fiske and Mango, Temple Street: Between Pineapple and Mango	This event is not included in the CBD closures	***
7/4/2016	July 4th Celebration	12,000	Riverfront Park	6am-11pm	Harrison from Riveredge to Delannoy		**
0//6-7,2016	Cocoa Rotary Foundation Funraiser	650	Cocoa Village	7am 7-6 until 3pm 7-7	Oleander Street between Brevard Ave and the Municipal Parking Lot	Approved 5/24/2016	2.00
9/17/2016	HCVA Car Show and Sidewalk Sale	500	Cocoa Village	10am-5pm	Brevard Ave., Church St., Harrsion St., Oleander St.	Approved 2/23/2016	1.00
9/17/2016	"2016 Space Coast Walk to End Alzheimer's	800	Cocoa Village	6am-2pm	Harrison Street: Between Delannoy Avenue and Brevard Avenue Brevard Avenue: Between Harrison Street and Oleander Street Oleander Street: Between Brevard Avenue and Stone Street Stone Street: Between Oleander Street and Brevard Court Brevard Court: Between Stone Street and Orange Street Orange Street: Between Brevard Court and Hughlett Avenue Hughlett Avenue: Between Orange Street and Factory Street Factory Street : Between Hughlett Avenue and Brevard Avenue Brevard Avenue: Between Factory Street and Oak Street Oak Street: Between Brevard Avenue and Riverside Drive Riverside Drive: Between Oak Street and Church Street Church Street: Between Riverside Drive and Riverfront Park		1.00
10/15-10/16/2016	HCVA Fall Craft Fair	9,000	Cocoa Village	10am-5pm	Brevard Ave: Between King and Orange Ave, Oleander St.: Between Brevard up to the Municipal Parking Delannoy Ave: Between Church and Harrison Harrison St.: Between Delannoy Ave and Brevard Ave.	Approved 2/23/2016	2.00

10/28/2016	CMS Run for Your Lives Zombie Fun Run	500	Cocoa Village	Harrison Street between Delannoy and Riveredge 3:00pm-10:00pm. Course closure 6:30-8:30	Church Street: Between Riverfront Park and Riverside Drive Riverside Drive: Between Church Street and Oak Street Oak Street: Between Riverside Drive and Brevard Avenue Brevard Avenue: Between Oak Street and Harrison Street Harrison Street: Between Brevard Avenue and Riveredge Boulevard	Approved 2/23/2016	1.00
10/29/2016	Christ Central Church Fall Festival"	850	Cocoa, FL Michigan and Coquina	1pm-8pm	Coquina Drive: Between Michigan Avenue to the edge of the church property for the requested Special Event.		Not in CBD
10/30/2016	City of Cocoa's Halloween in the Village	5,000	Cocoa Village and Riverfront Park	4pm-9pm	Harrison Street: Riveredge to Brevard Ave., Delannoy Street, Church to Harrison.	Approved 2/23/2016 seeking to amend.	**
11/5/2016	FEDS Step up for Down Syndrome	500	Riverfront Park	7am-10am	Riverside and Church	Approved 2/23/2016	0.50
11/27/2016	Space Coast Marathon - Running Zone Foundation	5,000	Riverfront Park	6am-11am	Brevard, Orange, Florida, SR 520, Indian River Dr., Church, Riverside	Approved 2/23/2016	0.50
12/3-12/4/2016	HCVA Holiday Craft Fair	9,000	Cocoa Village	10am-5pm	Brevard Ave: Between King and Orange Ave, Oleander St.: Between Brevard up to the Municipal Parking Delannoy Ave: Between Church and Harrison Harrison St.: Between Delannoy Ave and Brevard Ave.	Approved 2/23/2016	2.00
12/10/2016	Cocoa/Rockledge Holiday Parade and Tree Lighting	500	Rockledge/Cocoa Village	4pm-9pm	Florida Ave., Brevard Ave., Maryland St., Delannoy Ave., Harrsion St., Riveredge Blvd		**
	**City sponsored function					Total	20.00



Map Disclaimer:
The map is created from theCity of Cocoa's GIS database. The City of Cocoa makes no claims, no representations, and no warranties, express or implied, concerning the validity (express or implied), the reliability or the accuracy of the GIS data and GIS data products furnished by the City, including the implied validity of any uses of such data.

City of Cocoa
65 Stone St.
Cocoa, FL 32922
www.cocoafl.org

Street Closures

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City of Cocoa

Road Closures
Fall Festival Christ Central Church
October 29, 2016
1:00pm - 8:00pm

Map Date: 8/10/2016

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Legislation Details (With Text)

File #:	16-116	**Version:**	1	**Name:**	
Type:	Resolution			**Status:**	City Business
File created:	3/23/2016			**In control:**	City Council
On agenda:	8/23/2016			**Final action:**	
Title:	To Approve a Resolution adjusting the FY2016 Budget to transfer funds from Contingency to Hydrant Fees for the unbudgeted fees of 125 hydrants within the City of Cocoa. (Finance Director)				
Sponsors:					
Indexes:					
Code sections:					
Attachments:	City of Cocoa Utilities Handbook - Adjustments GIS Hydrant Map - Rockledge GIS Hydrant Map - Cocoa Beach GIS Hydrant Map - Cape Canaveral GIS Hydrant Map - Cocoa File 16-116 Resolution 2016-88.pdf BAF-FN-Hydrant Fees (4-12-16) 16-116..pdf				

Date	Ver.	Action By	Action	Result

CITY COUNCIL AGENDA ITEM

Memo Date: March 25, 2016
Agenda Date: August 23, 2016
Prepared By: Jessica Dovale, Utility Customer Service Manager
Through: Teri Butler, CGFO, Finance Director
Requested Action:

To Approve a Resolution adjusting the FY2016 Budget to transfer funds from Contingency to Hydrant Fees for the unbudgeted fees of 125 hydrants within the City of Cocoa.

BACKGROUND:

The City of Cocoa Utilities Handbook, Exhibit A, Rates, Fees, and Charges section B provides for Fire Protection Service Charges to be collected monthly. There are two rates made effective 10/1/15:

1. Public fire protection fire hydrant - this fee is $21.51 monthly per fire hydrant invoiced to the applicable incorporated government municipal hydrant account. Currently there are four government accounts established: Cocoa, Cocoa Beach, Rockledge, and Cape Canaveral.

2. Unincorporated areas hydrant charge - this fee is a $2.12 monthly hydrant fee per Brevard County unincorporated water customer account. Currently this hydrant service is

added to each of the water accounts within the unincorporated area of Brevard County.

Recently, a review was conducted on the fire protection fees (hydrants) billing records against the asset inventory available from our Engineering team. The City of Cocoa has moved to GIS technology to record the location of hydrants. In recent years, two separate field audits have been performed to determine the latitude and longitude of each hydrant and in turn data points have been recorded on a hydrant layer in the GIS.

The review revealed the billing, applicable to rate #1 above, under-stated 288 hydrants resulting in $110,419.20 of unrealized revenue. Note: Hydrant quantity is not applicable for billing rate #2 above.

Hydrant Increase per City
City of Cocoa - 125
City of Rockledge - 108
City of Cocoa Beach - 22
City of Cape Canaveral - 33
Total Increase: 288

The City of Cocoa Utilities Handbook, adopted by the Cocoa City Council, guides Staff in this situation as the protocol used for all our utility customers. The Utilities Handbook Exhibit B, Customer Service Division Policy Manual, Section 15 Adjustments, page 12, states, “Adjustments for incorrect billing and credit adjustments may be made up to, but not exceeding, a period of 12 months”.

12 Month Billing Adjustment per Utilities Handbook
City of Cocoa - $31,792.50
City of Rockledge - $27,468.72
City of Cocoa Beach - $5,595.48
City of Cape Canaveral - $8,393.22
Total Adjustment Revenue: $73,249.92

Unbudgeted Hydrant Revenue for FY2016 April through September
City of Cocoa - $16,132.50
City of Rockledge - $13,938.48
City of Cocoa Beach - $2,839.32
City of Cape Canaveral - $4,258.98
Total Unbudgeted Hydrant Revenue for FY2016: $37,169.28

Staff is working with the City of Rockledge, City of Cocoa Beach, and City of Cape Canaveral regarding the 12 month billing adjustment, the increase in hydrant fees for the remainder of FY 2016, and has provided FY 2017 budgetary figures for planning.

To correct, both the 12 month billing adjustment and the remaining FY 2016 increase in hydrant fees for an additional 125 hydrants in the City of Cocoa, Staff is requesting City Council to approve a Resolution to transfer $47,925 from Contingency for the unbudgeted hydrant fees.

STRATEGIC PLAN CONNECTION:

N/A

BUDGETARY IMPACT:

Budgeted	No
If not budgeted, is amendment/transfer attached?	Yes

FROM

Amount Requested:	$47,925
Account Number From:	001-1600-513.39-00
Account Name:	Contingency

TO

Account Number To:	001-2201-522.46-05
Account Name:	Hydrant Fees

RECOMMENDED MOTION:

To Approve a Resolution adjusting the FY2016 Budget to transfer funds from Contingency to Hydrant Fees for the unbudgeted fees of 125 hydrants within the City of Cocoa.

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The customer must submit a High Consumption Water Credit Application to the Customer Service Division. The Application is available by calling 321/433-8400 or on line (www.cocoafl.org City Services | Utilities Customer Service | High Consumption Credit Application). Documentation that the problem causing excessive consumption has been corrected must accompany the request. High consumption of an unknown cause may qualify for the high consumption credit under certain circumstances to be determined by City management.

Upon receiving the Application, the City will calculate the credit on the customer's most recent six month average. The adjusted billing will be based on **all** of the consumption over the average to bill at the **FIRST tier rate**. If the customer can provide documentation that the leak was not detected immediately and the high consumption ran into the second month's bill, they may receive another adjustment for this same incident, but will not receive an adjustment into the third month. The City will adjust for excessive consumption for one incident on no more than two consecutive bills.

Application for the high consumption credit does not affect the due date of the bill. Therefore, to avoid late fees and loss of service, payment or application for payment extension must be made by the date indicated on the bill.

14. PAYMENT EXTENSION

In the event that a customer has difficulty paying a monthly water bill, a payment extension may be granted. The customer must visit the Customer Service Division and provide current identification before water service has been discontinued and request a payment extension from management. A payment extension may be granted for up to a four-month period depending on the amount due and the individual circumstances. If a payment extension is granted, the customer must sign the payment extension form with the terms and duration of the agreement. The customer must also agree to pay the current bill with the extended amount. Failure to fulfill the terms of the agreement will result in discontinuance of service until payment is received in full. A customer is allowed only one payment extension per twelve-month period. However, due to unforeseen and unusual circumstances, management may grant more than one payment plan or extension per year.

15. ADJUSTMENTS

The City is not responsible for the customer's plumbing system beyond the point of service (the meter and backflow prevention assembly). If a customer has excessive water loss on his/her side of the meter that was not processed through Cocoa's sewer system and repair or correction has been made within a month, the City may adjust the Cocoa sewer bill to reflect the average sewer bill. The customer must submit proof of the repair. If the high consumption falls between two billing cycles, the City will adjust both sewer bills down to the average of those two months.

In the case of a misapplied payment, the customer must furnish the City with a copy of the front and back of the canceled check, credit card statement or a cash receipt. A payment extension will be granted if time is needed to produce the document. An adjustment will be made upon verification.

For a customer of Cocoa's waste water system, the City will allow one pool fill sewer adjustment per twelve-month period. The customer must submit in writing the request for the pool fill sewer adjustment within 30 days of the date of the bill for which an adjustment is requested. The City will adjust a sewer bill to reflect the customer's average sewer consumption.

Adjustments for incorrect billing and credit adjustments may be made up to, but not exceeding, a period of 12 months.

16. ESTIMATED BILL

If a meter reader is unable to read a meter because of a bad dog, scratched case, car over meter, weather conditions, or personnel shortages, the City will estimate the water consumption for the month. If we are able to obtain a reading, the next months current reading will reflect any adjustments. In the case where cars or other obstacles prevent reading for two months in a row, the customer will be sent a letter to remove the obstacle before the process of towing or removing of the meter begins. These processes are at a cost to the customer. The City does not reimburse customers for reading their own meter.

If a reading does not fall within a reasonable range of a customer's average, the City may choose to average the current month's bill and send a field service representative out for a re-read. If the re-read is a true reading, the City will make a reasonable effort to inform the customer of the situation and the true reading will be reflected on the next bill.

17. STUCK METER

If the City suspects that a meter may be malfunctioning or stuck, a letter is sent to the customer to inquire about the change in water usage. If a customer indicates that the property is occupied, the City will send a maintenance crew to check out the meter and replace it, if necessary.

When a meter is stuck or malfunctioning, the City will back bill the customer with the average monthly consumption for the months that the meter did not register correctly. The back billing may go back 12 months. Although the City makes every reasonable attempt to detect a stuck meter as soon as possible, it is difficult for the City to determine if the zero consumption is due to vacancy or meter malfunction. Therefore, the City depends on the customer to inform the Customer Service Division if he/she is billed zero consumption on an active account.

18. RETURNED CHECKS / BANK DRAFTS / E CHECKS / CREDIT CARDS ELECTRONIC CHECKS

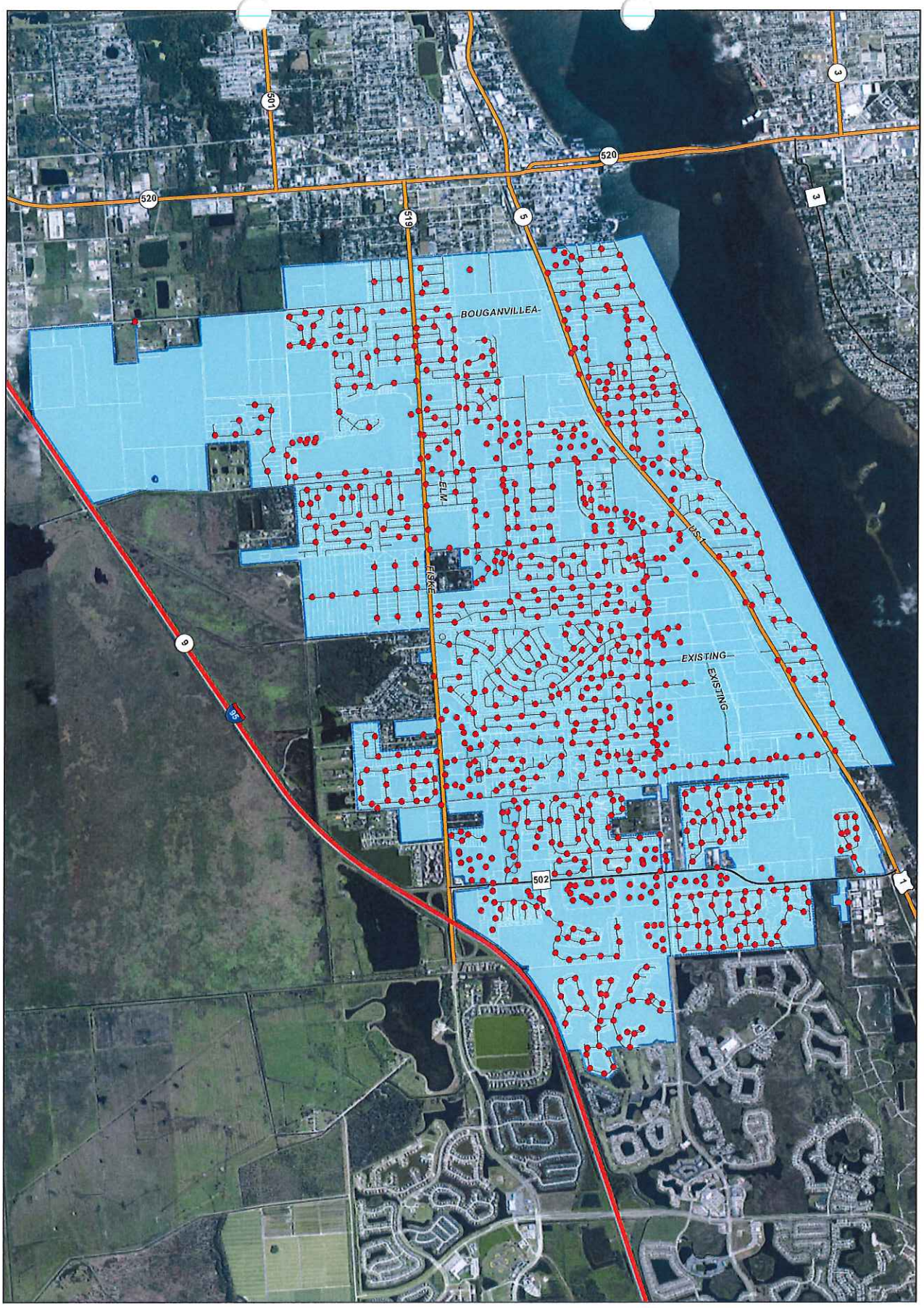
Hydrant Location by Tax Base Map Book



ch2m:

03/11/2016

Rockledge



Legend

- Hydrants
- Parcels (2014)
- County Roads
- Water Service Area
- Interstates
- State Roads
- US Roads
- Local Roads

Total Hydrant Count by Tax Base	
Brevard County:	4205
Cape Canaveral:	252
Cocoa:	685
Cocoa Beach:	409
Rockledge:	948

Hydrant Location

Area: Rockledge
Tax Base: Rockledge
Hydrant Count: 948

N

0 0.125 0.25 0.5 0.75 1 1.25 1.5 Miles

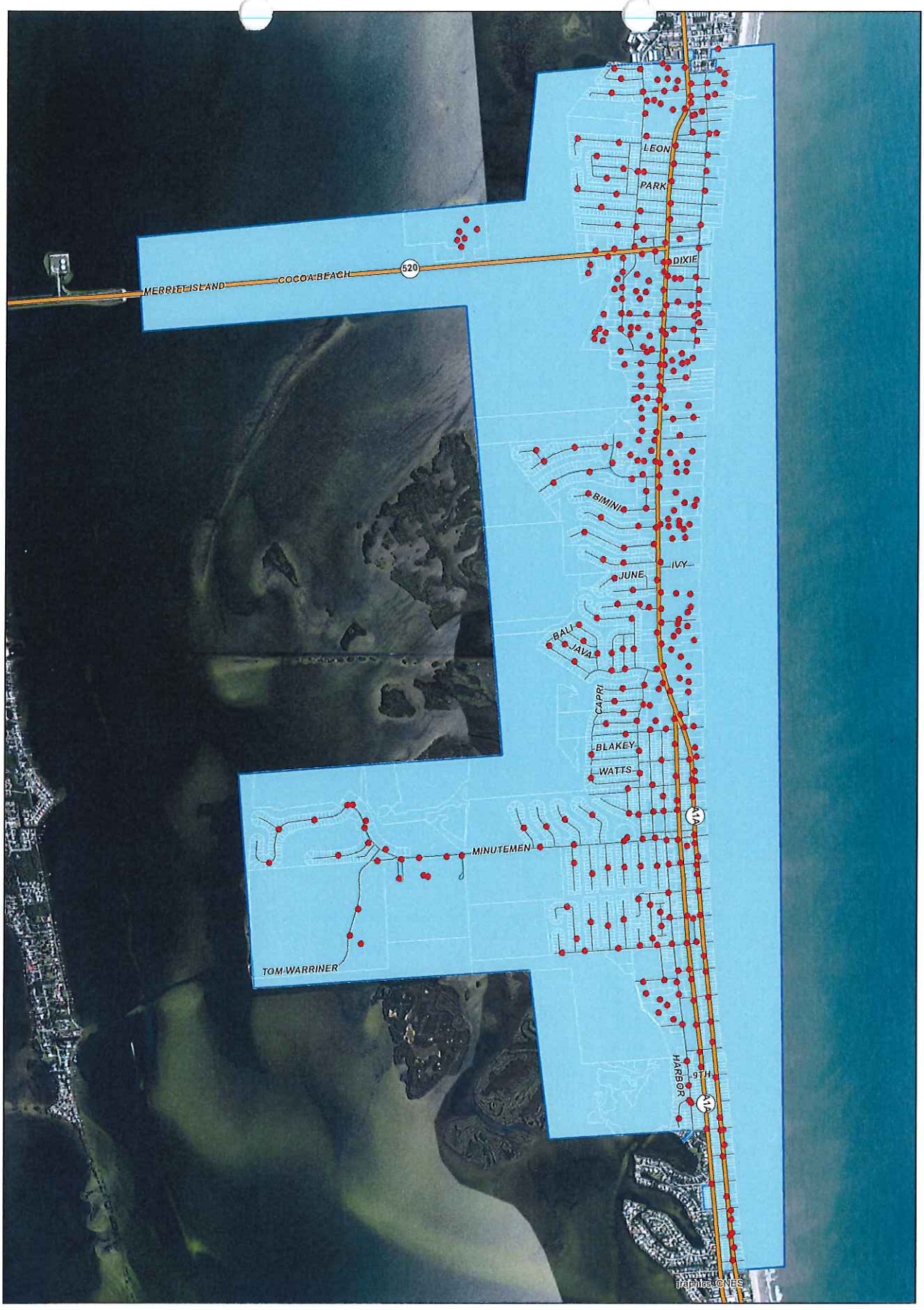
03/11/2016

ch2m:

Hydrant Location by Tax Base Map Book

03/11/2016

Cocoa Beach


MERRITT ISLAND
COCOA BEACH
520
LEON
PARK
DIXIE
BIMINI
JUNE
IVY
BALI
JAVA
CAPRI
BLAKEY
WATTS
A1A
MINUTEMEN
TOM WARRINER
HARBOR
9TH
A1A
Legend
Hydrants
Parcels (2014)
County Roads
Water Service Area
Interstates
State Roads
US Roads
Local Roads
Total Hydrant Count by Tax Base
Brevard County: 4205
Cape Canaveral: 252
Cocoa: 685
Cocoa Beach: 409
Rockledge: 948
Hydrant Location
Area: Cocoa Beach
Tax Base: Cocoa Beach
Hydrant Count: 408
0 0.125 0.25 0.5 0.75 1
Miles
N
ch2m:



Legend

- Hydrants
- County Roads
- Interstates
- State Roads
- US Roads
- Local Roads
- Parcels (2014)
- Water Service Area

Total Hydrant Count by Tax Base	
Brevard County:	4205
Cape Canaveral:	252
Cocoa:	685
Cocoa Beach:	409
Rockledge:	948

Hydrant Location

Area: Cocoa Beach
Tax Base: Cocoa Beach
Hydrant Count: 1

N

0 0.05 0.1 Miles

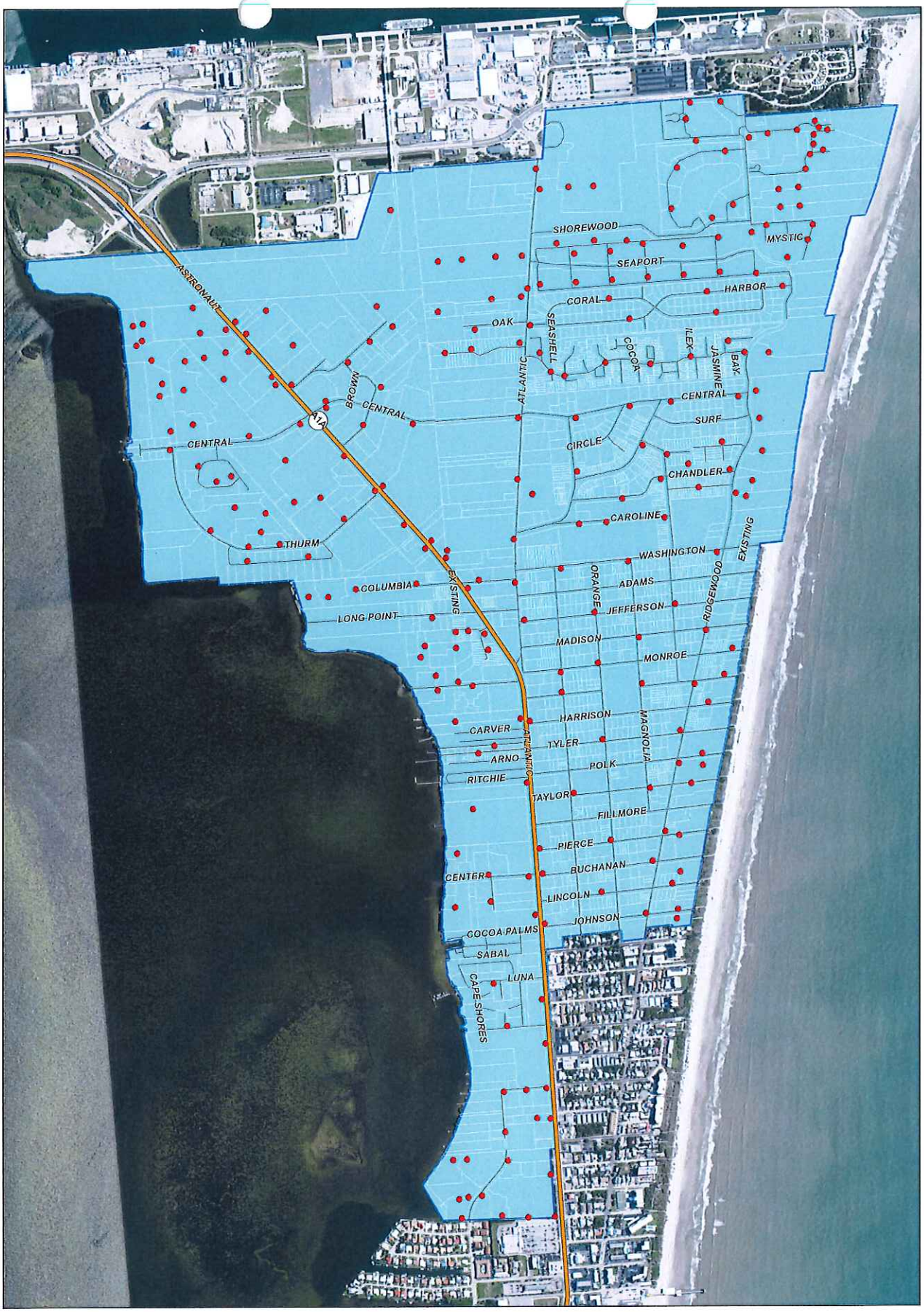
03/11/2014

ch2m:

Hydrant Location by Tax Base Map Book

03/11/2016

Cape Canaveral



Legend

- Hydrants
- Parcels (2014)
- County Roads
- Water Service Area
- Interstates
- State Roads
- US Roads
- Local Roads

Total Hydrant Count by Tax Base	
Brevard County:	4205
Cape Canaveral:	252
Cocoa:	685
Cocoa Beach:	409
Rockledge:	948

Hydrant Location

Area: Cape Canaveral
Tax Base: Cape Canaveral
Hydrant Count: 252

0 0.125 0.25 0.5 Miles

N

ch2m:

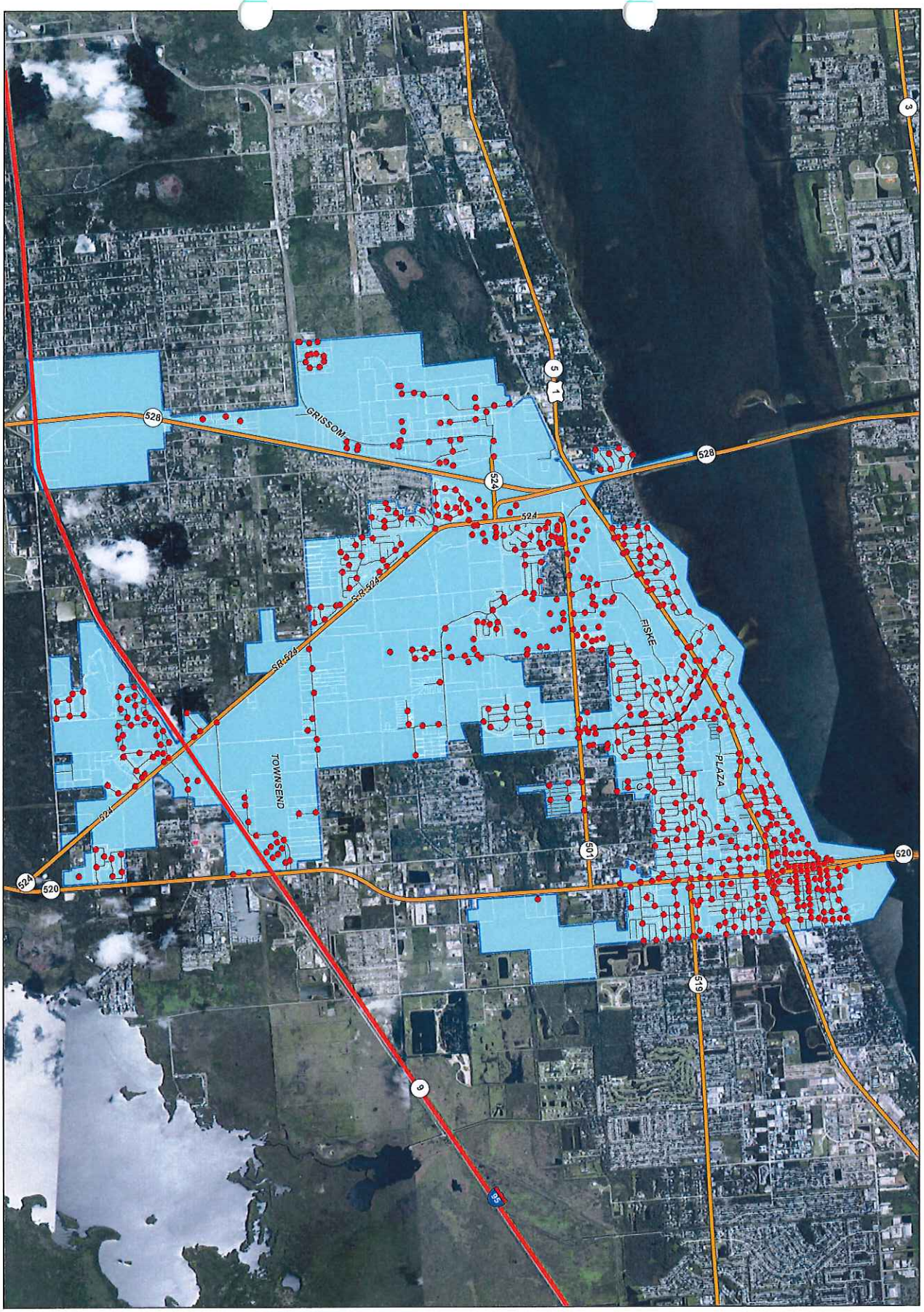
Hydrant Location by Tax Base Map Book



ch2m:

03/11/2016

City of Cocoa



Legend

- Hydrants
- Parcels (2014)
- County Roads
- Water Service Area
- Interstates
- State Roads
- US Roads
- Local Roads

Total Hydrant Count by Tax Base	
Brevard County:	4205
Cape Canaveral:	252
Cocoa:	685
Cocoa Beach:	409
Rockledge:	948

Hydrant Location

Area: City of Cocoa
Tax Base: City of Cocoa
Hydrant Count: 685

0 0.125 0.25 0.5 0.75 1 1.25 1.5 1.75 Miles

N

03/11/2018

ch2m:

RESOLUTION NO. 2016-88

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF COCOA, FLORIDA, AMENDING THE CITY OF COCOA BUDGET FOR FISCAL YEAR 2016; PROVIDING FOR THE REPEAL OF PRIOR INCONSISTENT RESOLUTIONS; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City Council of the City of Cocoa adopted the final budget for the fiscal year commencing on October 1, 2015, and ending on September 30, 2016, at a regular meeting held on September 22, 2015; and

WHEREAS, in accordance with Article XII, Section 5 of the City of Cocoa Charter, whereby the Council may, at any time by resolution, transfer any unused and unencumbered appropriation or portion thereof from one office or department to another; and

WHEREAS, the City Council deems it to be in the best interest of the City of Cocoa to amend its budget as provided in this resolution.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF COCOA, as follows:

SECTION 1. The 2015-2016 fiscal year budget shall be amended as detailed in the attached sheets.

SECTION 2. All prior resolutions or prior resolutions inconsistent with this resolution are hereby repealed to the extent of the conflict.

SECTION 3. This resolution shall become effective immediately upon its adoption by the City Council of the City of Cocoa, Florida.

ADOPTED by the City Council of the City of Cocoa, Florida, in a regular meeting assembled on the 23rd day of August, 2016.

_____
Henry U. Parrish III, Mayor

ATTEST:

_____
Carie Shealy, City Clerk

City of Cocoa Budget Adjustment Form FY 2016

SELECT ADJUSTMENT TYPE: BUDGET TRANSFER | REQUESTING DEPARTMENT #: 1500 | DATE PREPARED: 03/23/16

'FROM' ACCOUNT(S)

ADJUSTMENT AMOUNT	ACCOUNT NUMBER	PROJECT NUMBER	ACCOUNT NAME	ORIGINAL BUDGET	AMENDED BUDGET	ADJUSTED BUDGET	UNENCUMBERED BALANCE
($ 47,925)	001-1600-513.39-00		CONTINGENCY	$ 191,737	$ 166,737	$ 138,812	$ 138,812
$ 0				$ 0	$ 0	$ 0	$ 0
$ 0				$ 0	$ 0	$ 0	$ 0
$ 0				$ 0	$ 0	$ 0	$ 0
$ 0				$ 0	$ 0	$ 0	$ 0
$ 0				$ 0	$ 0	$ 0	$ 0
($ 47,925)	TOTAL						

'TO' ACCOUNT(S)

ADJUSTMENT AMOUNT	ACCOUNT NUMBER	PROJECT NUMBER	ACCOUNT NAME	ORIGINAL BUDGET	AMENDED BUDGET	ADJUSTED BUDGET	UNENCUMBERED BALANCE
$ 47,925	001-2201-522.46-05		HYDRANT FEES	$ 145,000	$ 145,000	$ 192,925	$ 120,652
$ 0				$ 0	$ 0	$ 0	$ 0
$ 0				$ 0	$ 0	$ 0	$ 0
$ 0				$ 0	$ 0	$ 0	$ 0
$ 0				$ 0	$ 0	$ 0	$ 0
$ 0				$ 0	$ 0	$ 0	$ 0
$ 47,925	TOTAL						

REASON/JUSTIFICATION FOR ADJUSTMENT:

To cover an increase of 125 billable hydrants due to GIS Mapping technology from the quantity of 560 to 685. Funds will cover past 12 months of expense (April 2015 through March 2016) as well as be enough to fund the remaining FY16 months (April through September) Agenda #16-116

CITY COUNCIL APPROVAL REQUIRED? YES (●) NO ( ) DATE APPROVED: 04/12/16 RESOLUTION #: 2016-88

City Council approval is needed for all transfers greater than $50,000 and transfers between Departments / Funds. Attach copy of agenda item and City Clerk's Journal noting approval.

3/23/16	Jessica Dovale (Digitally signed by Jessica Dovale Date: 2016.03.23 16:40:03 -04'00')	3/29/16	Lea Taylor (Digitally signed by Lea Taylor DN: dc=org, dc=cocoafl, ou=CH, cn=Lea Taylor, email=ltaylor@cocoafl.org Date: 2016.03.29 10:02:32 -04'00')		
Date	Requestor's Signature	Date	Finance Approval Signature	Date	Finance Director's Signature
3/25/16	Gene Prince (Digitally signed by Gene Prince DN: dc=org, dc=cocoafl, ou=CH, cn=Gene Prince, email=gprince@cocoafl.org Date: 2016.03.25 10:51:04 -04'00')	3/29/16	Lora Howell (Digitally signed by Lora Howell DN: dc=org, dc=cocoafl, ou=CH, cn=Lora Howell, email=lhowell@cocoafl.org Date: 2016.03.29 10:13:52 -04'00')		
Date	Department Director's Signature	Date	Deputy Fin. Director's Signature	Date	City Manager's Signature

FINANCE USE ONLY:

Date Entered: _____ Entered By: _____ Group #: _____

Legislation Details (With Text)

File #:	16-326	**Version:**	1	**Name:**	
Type:	Resolution			**Status:**	City Business
File created:	7/21/2016			**In control:**	City Council
On agenda:	8/23/2016			**Final action:**	
Title:	To Approve the Preliminary Assessment Resolution for the Fire Protection Assessment for FY2017. (Finance Director)				
Sponsors:					
Indexes:					
Code sections:					
Attachments:	Burton & Associates Fire Assessment Update FY2017.pdf Preliminary Fire Assessment Resolution- 8.11.16.pdf				

Date	Ver.	Action By	Action	Result

CITY COUNCIL AGENDA ITEM

Memo Date: July 21, 2016
Agenda Date: August 23, 2016
Prepared By: Lora Howell, Deputy Finance Director
Through: Teri Butler, CGFO, Finance Director
Requested Action:
To Approve the Preliminary Assessment Resolution for the Fire Protection Assessment for FY2017

BACKGROUND:

On May 9, 2006, City Council approved Ordinance 20-2006 (“Ordinance”) that adopted a fire protection assessment to partially fund the provision of fire protection and first response medical services (“rescue”) (collectively “fire protection services”) to properties within the City. Each year as part of the budgeting process, City Council must adopt the fire assessment rate schedule for the upcoming budget year.

In May 2013, the City entered into a contract with Burton & Associates, Inc., to conduct a study for purposes of updating the City’s fire protection assessment using a revised methodology that is based upon the availability of fire protection services to all parcels within City limits and the protection from loss of structures on improved parcels within City limits. In addition, the new methodology was used to develop a rate structure that will partially fund the City’s cost to provide fire protection services consistent with the authority set forth in the Ordinance. The results of the Study and recommendations are reported in the “FY 2014 Non-Ad Valorem Fire Protection Assessment Study Final Report” dated August 7, 2013, which was presented to City Council on August 13, 2013.

The Study was updated in July 2015 with the objective to develop an updated methodology that will result in assessment rates that will recover a portion of the full cost of providing fire protection service

to properties within the City limits in proportion to the benefit received and to more equitably apportion the cost to vacant properties. Calculations to determine the rate structure include all appropriate costs to operate the City's Fire Department except for distinct costs attributable to emergency medical services, as required by law. Revenue from the fire protection assessment will be utilized to sustain the current level of service and to partially fund construction of new fire stations in future fiscal years.

During the FY2017 Budget Workshop on August 4, 2016, City Staff presented to City Council, Burton and Associates recommendation of a proposed 3% increase to the Fire Assessment rate, which was incorporated into the General Fund Sustainability Analysis. Based on this analysis, it was determined that the rate increase will provide sufficient revenues for projected operations, maintenance costs, and the Fire Department's capital improvement plan.

In order to approve the new rates being recommended by Burton & Associates and City Staff, the Ordinance requires that the City Council first approves a Preliminary Assessment Resolution. After approval of the Preliminary Assessment Resolution, the City Council is required to hold a public hearing, in accordance with the Ordinance and Florida Statutes, for purposes of adopting a Final Assessment Resolution formally approving the fire assessment rates. The final approved rates are then submitted to the Brevard County Tax Collector for purposes of collecting the fire assessment on the annual non-ad valorem assessment portion of the annual property tax bill.

At this City Council meeting, Staff is recommending that the City Council approve the Preliminary Assessment Resolution. The Final Assessment Resolution will be presented for consideration at a public hearing on September 6, 2016. The Preliminary Assessment Resolution proposes the following rates. For the purposes of this non-ad valorem assessment, benefited parcels are all parcels within the jurisdictional limits of the City of Cocoa except for Brevard County public schools, governmental parcels, rivers, lakes, rights-of-way/buffers and other properties exempted by law, agreement, or other lawful action of the City Council. Additionally, parcels, or portions thereof, that are jurisdictional wetlands are exempt from the assessment.

For the purposes of this assessment, the assessment for benefited parcels shall be determined based upon the availability of fire/rescue services to all parcels and the protection from loss of structures on improved parcels.

The current fire protection assessment rates adopted by City Council last year under the new methodology are as follows:

Fiscal Year 2016:

Benefit Tier	Equivalent Benefit Unit (EBU)	Applicable to	Rate per EBU	Maximum Rate per EBU
Residential total assessment	Per Dwelling Unit	Improved non-exempt residential parcels	$187.93	$306.12
Non-residential: Response Readiness Availability	• Improved Property - Per parcel • Un-improved Property - Per parcel or parcel equivalent (Parcel EBU)	All improved and un-improved non-exempt parcels	$132.88	$216.45

powered by Legistar™

Protection from Loss of Structures	Per $5,000 of structure value, rounded down to nearest $5,000. (Structure EBU)	Improved non-exempt parcels	$8.32	$13.55

Proposed Fiscal Year 2017 is set forth below:

Benefit Tier	Equivalent Benefit Unit (EBU)	Applicable to	Rate per EBU	Maximum Rate per EBU
Residential total assessment	Per Dwelling Unit	Improved non-exempt residential parcels	$193.57	$306.12
Non-residential: Response Readiness Availability	• Improved Property - Per parcel • Un-improved Property - Per parcel or parcel equivalent (Parcel EBU)	All improved and un-improved non-exempt parcels	$136.87	$216.45
Protection from Loss of Structures	Per $5,000 of structure value, rounded down to nearest $5,000. (Structure EBU)	Improved non-exempt parcels	$8.57	$13.55

Annual adjustments to this assessment, including increases, may be implemented and the maximum assessment rates presented above are authorized to provide sufficient future revenues (in addition to other legally available funds) to fund fire/rescue services at appropriate levels of service including, but not limited to, providing continued availability of fire insurance at favorable rates, protection from loss of property due to fire, and preservation of property values by virtue of the availability of fire/rescue services provided. by the City of Cocoa.

STRATEGIC PLAN CONNECTION:

Fiscal Sustainability is part of the City's strategic plan. The recommended rate structure will recover a portion of the cost of providing fire protection service to properties within the city limits for FY2017 and subsequent years in proportion to the benefit received from the fire protection service provided by the City. Costs not covered by the fire protection assessment must be met by other revenue sources within the General Fund.

BUDGETARY IMPACT:

The total amount of revenue to be collected in FY 2017 from this proposed fire protection assessment is estimated to be $2,200,000, **which is ~37.4%** of FY2017 proposed budgeted fire protection services.

PREVIOUS ACTION:

On May 9, 2006, City Council approved Ordinance 20-2006 that adopted a fire protection assessment to partially fund the provision of fire protection and first response medical services to properties within the City.

In reliance upon the Ordinance, the City Council has approved an annual fire assessment to fund a portion of the annual Fire Department budget since 2006.

RECOMMENDED MOTION:
To Approve the Preliminary Assessment Resolution for the Fire Protection Assessment for FY2017

BURTON & ASSOCIATES

TECHNICAL MEMORANDUM

Burton & Associates
200 Business Park Circle, Ste. 101
St. Augustine, FL 32095
Telephone: (904) 247-0787
Facsimile: (904) 241-7708

DATE: July 25, 2016
TO: Teri Butler, Finance Director – City of Cocoa, Florida
FROM: Michael Burton – President, Burton & Associates
COPY: Lora Howell, Erick van Malssen
RE: **FY 2017 Fire Assessment Update**

Background: Burton & Associates completed a Fire Assessment Study for the City that was implemented in FY 2014. We also completed an update of the Fire Assessment that was implemented in FY 2015 and again for FY 2016. The FY 2016 update included an increase in the revenue to be recovered from the Fire Assessment as well as a change in the methodology relative to the factor for converting vacant parcels to equivalent parcels. This Technical Memorandum presents the results of our analysis for the Fire Assessment to be implemented for FY 2017.

Scope

The scope of this FY 2017 Fire Assessment Update included 1) an evaluation of the need for increased Fire Assessment revenue in the context of the General Fund Financial Sustainability Analysis, the results of which are being delivered in a separate Report, and 2) an update of the Fire Assessment Roll to include the above referenced revenue increase in the assessment to all assessed parcels. There is no change to the Fire Assessment methodology for FY 2017.

Results

Based upon the analysis conducted in this year's update, it was determined that the Fire Assessment rates should be increased by 3% to approximately $2.2 million. This will provide sufficient revenues that, in combination with a subsidy from the General Fund of approximately $3.8 million (that is included in the General Fund Sustainability Analysis) will fund the Fire Department's projected operations and maintenance costs as well as the Fire Department's capital improvement program.

A Fire Assessment Roll update to reflect 1) all current assessable parcels and 2) an increase of 3% in the Fire Assessment rates is being delivered under separate cover. The 3% increase applies to all classes of property, but for exemplary purposes, a 3% increase in the annual Residential Fire Assessment per household will increase the assessment from $187.93 to $193.57.

If you have any questions or would like to discuss this Technical Memorandum, please do not hesitate to call me at (904) 247-0787.

Very truly yours,

Michael E. Burton
President

CITY OF COCOA, FLORIDA

FIRE PROTECTON ASSESSMENT
PRELIMINARY ASSESSMENT RESOLUTION

ADOPTED AUGUST 23, 2016

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RESOLUTION No. 2016-86

A RESOLUTION OF THE CITY COUNCIL OF COCOA, FLORIDA, RELATING TO THE DELIVERY AND FUNDING OF FIRE PROTECTION SERVICES AND FACILITIES WITHIN THE CITY; PROVIDING FOR THE IMPOSITION OF NON-AD VALOREM SPECIAL ASSESSMENTS PURSUANT TO ORDINANCE 20-2006 WITHIN THE ENTIRE AREA OF THE CITY TO FUND FIRE PROTECTION SERVICES AND FACILITIES; ESTABLISHING FIRE ASSESSMENT RATES FOR CITY FISCAL YEAR 2016/2017; DIRECTING THE CITY MANAGER TO PREPARE A PRELIMINARY ASSESSMENT ROLL; ESTABLISHING A PUBLIC HEARING TO CONSIDER IMPOSITION OF THE PROPOSED SPECIAL ASSESSMENTS; DIRECTING THE PROVISION OF NOTICE IN CONNECTION THEREWITH; AND PROVIDING AN EFFECTIVE DATE.

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF COCOA, FLORIDA, AS FOLLOWS:

ARTICLE I

INTRODUCTION

SECTION 1.01. AUTHORITY. This Resolution of the City of Cocoa, Florida is adopted pursuant to City Ordinance No. 20-2006, Sections 166.021, 166.041 and 197.3632, Florida Statutes, and other applicable provisions of law.

SECTION 1.02. DEFINITIONS. This Resolution constitutes the Preliminary Rate Resolution as defined in the Assessment Ordinance. All capitalized words and terms not otherwise defined herein shall have the meaning set forth in the Assessment Ordinance. As used in this Resolution, the following terms shall have the following meanings, unless the context hereof otherwise requires.

"Assessed Property" means all Parcels of land included on the Assessment Roll that receive a special benefit from the delivery of the fire protection services, programs or facilities identified or contemplated in this Resolution and included in the Assessment Roll.

"Assessment Study" means the City of Cocoa FY 2016 Fire Protection Assessment Study, dated August 5, 2015, as updated by the FY 2017 Fire Protection Assessment Study, dated July 25, 2016, prepared by Burton & Associates, as may be amended in writing.

"Assessment Ordinance" means City Ordinance No. 20-2006, as may be amended from time to time, or its successor in function.

"City" means the City of Cocoa, Florida.

"City Clerk" means the clerk of the City Council.

"City Manager" means the chief administrative officer of the City, designated by the City Council to be responsible for coordinating Fire Protection Assessments or such person's designee.

"City Council" means the governing body of the City of Cocoa, Florida.

"Fiscal Year" means the period commencing on October 1 of each year and continuing through the next succeeding September 30, or such other period as may be prescribed by law as the fiscal year for the City.

"Tax Parcel" or "Parcel" means a parcel of property to which the Brevard County Property Appraiser has assigned a distinct ad valorem property tax identification number.

"Tax Roll" means the real property ad valorem tax roll maintained by the Property Appraiser for the purpose of the levy and collection of ad valorem taxes.

"Uniform Assessment Collection Act" means Sections 197.3632 and 197.3635, Florida Statutes, or any successor statutes authorizing the collection of non-ad valorem assessments on the same bill as ad valorem taxes, and any applicable regulations promulgated thereunder.

SECTION 1.03. INTERPRETATION. Unless the context indicates otherwise, words importing the singular number include the plural number, and vice versa; the terms "hereof," "hereby," "herein," "hereto," "hereunder" and similar terms refer to this Resolution; and the term "hereafter" means after, and the term "heretofore" means before, the effective date of this Resolution. Words of any gender include the correlative words of the other gender, unless the sense indicates otherwise.

SECTION 1.04. FINDINGS. In addition and supplemental to the findings adopted by the City Council in Ordinance No. 20-2006, it is hereby ascertained, determined and declared as follows:

(A) The constant preparedness to provide fire protection services, facilities and programs possesses a logical relationship to the use and enjoyment of real property

by: (1) preserving and/or enhancing property values, marketability and ability to develop for all parcels; (2) protecting the value of the improvements and structures through the continual availability of fire control and provision of fire protection and associated rescue services; (3) protecting the life and safety of intended occupants in the use and enjoyment of real property; (4) lowering the cost of fire insurance by the presence of a professional and comprehensive fire protection and associated rescue program within the City; (5) providing protection for uninsured or underinsured property and property owners; and (6) containing the spread of fire incidents, sometimes occurring on unimproved property, with the potential to spread and endanger the value, structures and occupants of nearby property, thereby limiting liability.

(B) The City Council has carefully considered the Assessment Study which describes an apportionment methodology based upon the benefit conveyed by readiness-to-serve availability of fire protection service provided by the City to all parcels (improved and unimproved), and an additional benefit that this availability of service provides to improved property by the protection from the loss of the structures on improved parcels through the ability to obtain insurance at attractive rates and the ability of the City to respond to and suppress a fire, and has considered the recent decision of the Florida Supreme Court, Morris v. City of Cape Coral, 163 So. 3d 1174 (Fla. 2015), which upheld a similar methodological approach recommended by Burton &

Associates that apportioned costs based on the general availability of fire protection services to all property owners in tier 1, and in tier 2, provided the additional benefit to improved property owners of protecting structures from damage.

(C) Readiness to serve apportionment is based upon the premise that real property receives a substantial benefit from the mere presence and availability of on-call fire protection services and facilities. Such benefit is independent of, and enjoyed even in the absence of, a call or need for actual service. A given Tax Parcel is benefited over time by that availability alone, even when that Tax Parcel does not generate a call for service, through increased value and marketability, development potential, heightened use and enjoyment of the property, and reduced insurance premiums.

(D) The City expends substantial and measurable resources each year in maintaining a constant state of availability, readiness and preparedness which is the primary function of the Fire Department. Preparedness costs are generally those incurred in providing the personnel, operations and facilities necessary for continual, around-the-clock readiness to serve fire protection. Aside from annual inflationary adjustments and atypical expenditures necessitated in a given budget cycle, such costs remain relatively static and unchanged from year to year and are therefore predictable with accuracy across consecutive budget cycles. Preparedness costs are not determined by the nature of an actual fire event or the whether a Tax Parcel is improved or un-improved and are incurred even when the department remains on standby.

(E) Preparedness costs associated with readiness to serve will be incurred without regard to the nature, extent or duration of actual deployments, or the improved or un-improved status of an individual Tax Parcel, and logically apply to every Tax Parcel (or parcel equivalent for un-improved parcels) of real property in the City. However, in the City's current fire assessment rate structure, residential properties are assessed an equal amount per dwelling unit and it was determined to maintain that same feature in the proposed assessment rate structure. Therefore, it was determined that residential dwelling units share in the preparedness costs equally per dwelling unit. Un-improved parcels are converted to parcel equivalents, or parcel equivalent benefit units (parcel EBUs) by dividing the subject parcel's acreage by the average size of improved parcels of the same property class. Preparedness costs are logically related to the number of Tax Parcels/Dwelling Units/parcel EBUs) which, in the aggregate, define the geography of the City and establish the basic service area within which the City must ensure preparedness and readiness to serve. Such preparedness costs are equitably and reasonably shared by all Tax Parcels/Dwelling Units /parcel EBUs on an equal basis since each Tax Parcel/Dwelling Unit /parcel EBU benefits in a substantially similar degree from the readiness to serve aspect of such costs.

(F) All Tax Parcels/Dwelling Units/parcel EBUs within the City receive a substantially similar special benefit from the availability of fire protection services and facilities provided by the City, because the fire protection resources are maintained

throughout the City at the same state of response readiness and availability to all Tax Parcels/Dwelling Units/parcel EBUs.

(G) The City maintains its fire protection resources at a level that provides a response readiness condition to respond to calls for service throughout the City at relatively equal levels of service. When needed, responses are made to calls for service without discrimination as to the property type, location within the City, or any other factors specific to the property requiring the service.

(H) Therefore, all properties, improved and unimproved, receive a special benefit from the very availability of the City's fire protection services and facilities, and improved Tax Parcels also receive an additional special benefit in the protection from the loss of structures on the property afforded by 1) the ability to obtain fire insurance at attractive rates, and 2) the availability of the fire protection services provided by the City to actually suppress a fire and protect the structure(s) on the property from damage and/or loss. The special benefits provided to all Tax Parcels/Dwelling Units/parcel EBUs, improved and unimproved, by the availability of fire protection services and facilities provided by the City include but are not limited to:

(1) Availability of immediate response to fire,

(2) First responder medical aid to protect the life and safety of occupants,

(3) Containment of liability for emergency incidents on the subject Tax Parcels and the spread of fires to other property,

(4) Enhanced property value, and

(5) Enhanced marketability of and/or ability to develop property.

(I) In addition to the above special benefits that are conferred upon all Tax Parcels/Dwelling Units/parcel EBUs in the City, additional benefits are conferred upon improved Tax Parcels including protection from the loss of structures on the property due to fire by virtue of:

(1) The ability to obtain fire insurance and to obtain that insurance at attractive rates because of the availability of fire protection service, and

(2) Protection of loss of structures provided by the availability of fire suppression service provided by the City.

(J) Accordingly, the apportionment methodology described in the Assessment Study recognizes two tiers of benefit: Tier 1, the simple availability of fire protection service which is available equally without discrimination to all Tax Parcels/Dwelling Units/parcel EBUs of all types within the City by virtue of the continued state of readiness to provide fire protection service that is maintained by the City, and Tier 2, the protection from the loss of structures on the property provided by the availability of fire protection service by the ability to obtain fire insurance, and the continued state of readiness maintained by the City so that when actual calls for service

are received the City can provide fire suppression service to protect property owners from the loss of structures on their property. As with the Tier 1 readiness costs, the Tier 2 costs for the structure value on all improved residential parcels is allocated equally per dwelling unit to all dwelling units on those parcels; thus the combined Tier 1 costs per dwelling unit plus the Tier 2 costs per dwelling unit result in a uniform, equal assessment rate per dwelling unit for all dwelling units on improved residential parcels.

(K) The fixed, non-discretionary costs of the Fire Department comprising Tier 1 are generally the personnel costs that must be incurred independent of the number of calls for service (which are total personnel costs less the portion of personnel costs involved in actually responding to calls for service) plus lease payments and capital expenses. The Assessment Study has determined that such Tier 1 costs represent approximately 60% of total fire protection costs.

(L) Tier 2 costs associated with protection from loss of structures on property include all other costs that are not included in Tier 1. Such Tier 2 costs include the portion of personnel costs involved in actually responding to calls for service, plus other costs that are incurred relative to variable drivers such as fuel, equipment maintenance, and other operating costs. The Assessment Study has determined that such Tier 2 costs represent approximately 40% of total fire protection costs.

(M) Improved properties benefit from the protection from loss of the structures on the Tax Parcels. The protection from the loss of the structures due to fire

is best represented by the protection from the loss of the investment in the structure(s) or the avoidance of the cost of replacing the structure(s) on the property. This protection from loss is conferred on such Tax Parcels by the availability of the fire protection services provided by the City either through the ability to obtain fire insurance or by the ability of the City to provide actual fire suppression services, whether or not a request for service is ever received.

(N) The actual investment or replacement cost of the structure(s) on the Tax Parcels in the City is not readily available and would require inordinate resources to determine and maintain over time. However, the structure values on tax parcels analyzed annually pursuant to state law and kept in the County Property Appraiser's database are readily available and are the best data reasonably available as a surrogate representation of the relative investment or replacement cost of structures on each Tax Parcel in the City as compared to the investment or replacement cost of structures on all Tax Parcels in the City. Therefore, it is appropriate to apportion the costs associated with Tier 2 based upon the relative value of structures on improved Tax Parcels as contained in the Property Appraiser's database.

(O) Apportionment associated with Tier 2 based upon structure value inherently addresses the higher and proportionate benefit accruing to properties facing potentially greater financial loss in the event of fire incident and is a direct and logical

means to allocate the costs and benefits of fire protection services and facilities associated with Tier 2.

(P) Besides cost and efficiency advantages associated with relying upon a publicly maintained database for apportionment metrics, a methodology utilizing structure value is advantageous because it is uniform across all Tax Parcels in its application of value as a proxy for measuring and allocating the relative benefit conveyed to each improved Tax Parcel. Tax Parcels with similar structure value are assessed with proportionate fairness, and the methodology provides an internal system of controls which is self-correcting in that valuation may change over time according to improvements, redevelopment and other factors and such changes in value will be addressed automatically each subsequent year in accordance with the latest structure value determined by the Property Appraiser. In Morris v. City of Cape Coral, 163 So. 3d 1174, 1179 (Fla. 2015), the Florida Supreme Court found that the "use of property appraiser's structure value is reasonable because the property appraiser is statutorily required to use replacement cost to determine this value."

(Q) Utilizing improvement value as one factor among several considered in a given methodology is fair, reasonable and equitable since the resulting assessments form a logical valuation base against which the special benefits and costs may be multiplied or determined.

(R) In the City's current fire assessment rate structure, residential properties are assessed an equal amount per dwelling unit. It was determined to maintain that same feature in the proposed assessment rate structure. Therefore, the assessment rate per residential dwelling unit was calculated as the sum of the Tier 1 costs for all improved residential parcels plus the Tier 2 costs for all residential parcels divided by the total number of dwelling units on all improved residential parcels to derive the average assessment per dwelling unit.

(S) The two-tiered apportionment methodology relies upon the property database maintained by the Property Appraiser in the normal course of performing his or her constitutional responsibilities. The database indicates the number of Tax Parcels within the City, each Tax Parcel's status as improved or unimproved, and the structure or improvement value associated with each. The number of Tax Parcels and structure value are updated by the Property Appraiser as properties within the City develop or combine, split or subdivide. Therefore, the fire assessments will be essentially self-correcting as the assessment roll is updated each year and unimproved Tax Parcels upon which structures have been constructed are reclassified as improved Tax Parcels and their assessments are adjusted accordingly. Furthermore, this database can be accessed from year to year without extraordinary effort or cost to the City and provides a stable, reliable, reasonably accurate and cost effective basis for annual administration and updating of the assessment program.

(T) Use of such publicly maintained data avoids duplication of efforts and the ongoing expenses associated with the City developing and maintaining apportionment metrics on its own, thereby resulting in cost-efficient administration and use of public resources. The City avoids expending substantial resources in determining the factors upon which the methodology is based and administered over time because it relies upon the database developed, compiled and maintained by the Property Appraiser each year during the course of performing his or her constitutional responsibilities, at no additional cost to the Property Appraiser or the taxpayers of the City.

(U) Furthermore, if the owner of Assessed Property owner felt in any given year that the benefit to their Tax Parcel was inequitable, there is an appeal process already in place and administered by the countywide value adjustment board by which to seek remedy. If the value adjustment board or Property Appraiser, through existing statutory procedures, reduces the structure valuation associated with a given Tax Parcel, the fire assessment would likewise be reduced, automatically, as the annual assessment roll is updated with no further effort required by the property owner - an additional example of the self-correcting, equitable and cost-efficient nature of the methodology. Additionally, the City has also established an administrative appeal process to hear inequitable claims made by an owner of vacant Assessed Property pursuant to Resolution No. 2013-143.

(V) The City is not required to fully fund any given essential service or improvement cost through a special assessment. So long as the application of funds is for a public purpose and funds are legally available, the City may determine to fund all or a portion of an essential service or improvement, such as fire protection services and facilities, with general fund or other legally available revenues. The determination as to whether to contribute such other legally available revenues, and how much to contribute, lies solely in the discretion of the City Council.

(W) Stated in the alternative, there is no requirement that the City impose an assessment for the maximum amount of the budget which can be funded by special assessments. The City Council may annually determine as a matter of public policy and tax equity to impose Fire Protection Assessments at a rate less than necessary to fund all or any specific portion of the Fire Protection Assessed Costs. Costs incurred in providing fire protection services and facilities not otherwise funded through Fire Service Assessments may be paid with general fund or other legally available revenues. Such legally available revenues as a matter of policy may be applied exclusively to any tier or class of budget allocation or expense otherwise funded by a special assessment, in part to one tier or class of any budget allocation or expense, or in any combination thereof, and maintain the validity of the apportionment. The flexibility is implemented through a policy and legislative determination employed through careful adherence to case law, statutory law, and the State Constitution, as well as the exercise of annual budget responsibility,

discretion and equity vested in the City Council. However, in no event shall any annual rate of Fire Protection Assessment exceed the maximum assessment rate previously noticed to the affected land owners without further notice and public hearing pursuant to the Assessment Ordinance.

(X) The findings and legislative determinations contained herein are premised upon information, input, analysis and review from City staff, officials and experts, and public comment, as well as careful consideration by the City Council. A combination of the foregoing yields a reasoned apportionment methodology premised upon the two distinct tiers or classes of apportionment allocation described herein. The two tiers, when used together, provide a legal, flexible and equitable means for the City to fairly and reasonably allocate assessable benefits and costs among Assessed Property in the City.

(Y) The apportionment among Tax Parcels of a portion of the City's annual budget for fire protection services, facilities and programs necessary for providing the continual readiness to provide fire protection is hereby determined to be a fair and reasonable means to annually allocate and share the benefits and costs associated therewith.

(Z) The benefits derived from the continual readiness to provide fire protection services, facilities and programs as to each Tax Parcel subject to the Fire Service Assessments equal or exceed the amount of the special assessments levied and imposed hereunder. The Assessment for any Tax Parcel within the City in employing such an

approach also does not exceed the proportional benefits that such Tax Parcel will receive compared to any other Tax Parcel so assessed within the City.

(AA) The City Council hereby finds and determines that the Fire Protection Assessments to be imposed in accordance with this Resolution provide a proper and equitable method of funding fire protection services and facilities by fairly and reasonably allocating a portion of the costs associated therewith among specially benefited property.

ARTICLE II

NOTICE AND PUBLIC HEARING

SECTION 2.01. ESTIMATED FIRE PROTECTION ASSESSED COST.

(A) The estimated Fire Protection Assessed Cost to be recovered through Fire Protection Assessments for the Fiscal Year commencing October 1, 2016, is approximately $2.20 million. The Fire Protection Assessed Cost will be funded through the imposition of Fire Protection Assessments, as provided herein.

(B) The City Manager shall utilize the assessment rates associated with Tier 1 and Tier 2 of the Fire Protection Assessments as described in this Preliminary Assessment Resolution in the preparation of the preliminary Assessment Roll as provided in Section 2.02 of this Preliminary Assessment Resolution.

SECTION 2.02. ASSESSMENT ROLL. The City Manager is hereby directed to prepare, or cause to be prepared, a preliminary Assessment Roll for Fire Protection Assessments for the Fiscal Year commencing October 1, 2016, in the manner provided in

Section 2.03 of the Assessment Ordinance. The Assessment Roll shall include all Tax Parcels within the City which are not otherwise exempted from payment of the Fire Protection Assessments hereunder. The City Manager shall apportion the estimated Fire Protection Assessed Cost to be recovered through Fire Protection Assessments in the manner set forth in this Preliminary Assessment Resolution. A copy of this Preliminary Assessment Resolution, the Assessment Study which summarizes information and analysis related to the estimated amount of the Fire Protection Assessed Cost to be recovered through the imposition of Fire Protection Assessments, and the preliminary Assessment Roll shall be maintained on file in the office of the City Clerk and open to public inspection. The foregoing shall not be construed to require that the preliminary Assessment Roll be in printed form if the amount of the Fire Protection Assessment for each parcel of property can be determined by the use of a computer terminal or internet access available to the public.

SECTION 2.03. PUBLIC HEARING. There is hereby established a public hearing to be held at 6:00 p.m. or soon thereafter on September 6, 2016, in City Council Chambers of City Hall, 65 Stone Street, Cocoa, FL 32922, at which time the City Council will receive and consider any comments on the Fire Protection Assessments from the public and affected property owners and consider imposing Fire Protection Assessments and authorizing an alternative manner of collection.

SECTION 2.04. NOTICE BY PUBLICATION. The City Manager shall direct the publication of notice of the public hearing authorized by Section 2.03 hereof in the manner and time provided by the Assessment Ordinance. The notice shall be published no later than twenty days before the hearing which is on or about August 18, 2016, in substantially the form attached hereto as Appendix A. The City Council acknowledges that this notice was published by the City Manager prior to the adoption of this Resolution.

SECTION 2.05. NOTICE BY MAIL, IF NECESSARY. To the extent that the City Manager determines that the mailing of notice of the public hearing authorized by Section 2.03 is required for certain Assessed Property, in the manner and time provided by the Assessment Ordinance, the notice shall be mailed no later than twenty days (August 18, 2016) before the hearing, in substantially the form previously approved by the City Council as Appendix B to the 2015 Preliminary Resolution.

ARTICLE III

ASSESSMENTS

SECTION 3.01. FIRE PROTECTION ASSESSMENTS TO BE IMPOSED THROUGHOUT CITY. Fire Protection Assessments are to be imposed throughout the entire area contained within the boundaries of the City in accordance with the Assessment Ordinance and the Final Assessment Resolution.

SECTION 3.02. IMPOSITION OF ASSESSMENTS. Fire Protection Assessments shall be imposed against property located within the City, the annual amount of which shall be computed for each Tax Parcel in accordance with this Article III. When imposed, the Fire Service Assessment for each Fiscal Year shall constitute a lien upon Assessed Property equal in rank and dignity with the liens of all state, county, district or municipal taxes and other non-ad valorem assessments until paid, as provided in the Assessment Ordinance and in accordance with Florida law.

SECTION 3.03. APPORTIONMENT.

(A) The Assessment Study is hereby ratified and incorporated herein in its entirety. The apportionment method set forth therein is hereby ratified as the apportionment method for the Fire Protection Assessments authorized by this Resolution. The City Manager is hereby authorized and directed to prepare a preliminary Assessment Roll for Fiscal Year 2016-2017 based on the following rate schedule:

Benefit Tier	Equivalent Benefit Unit (EBU)	Applicable to	Rate per EBU	Maximum Rate per EBU
Residential total assessment	Per Dwelling Unit	Improved non-exempt residential parcels	$193.57	$306.12
Non-residential: Response Readiness Availability	• Improved Property - Per parcel • Un-improved Property - Per parcel or parcel equivalent (Parcel EBU)*	All improved and un-improved non-exempt parcels	$136.87	$216.45
Protection from Loss of Structures	Per $5,000 of structure value (Structure EBU) rounded down to the nearest $5,000.	Improved non-exempt parcels	$8.57	$13.55

* The minimum size per parcel equivalent was determined to be 5 acres based upon an evaluation of the range of size of developed parcels. Thus, it was determined that un-improved properties will be converted to EBU by rounding down the acreage of the parcel to the nearest 5 acres and dividing by 5 acres/EBU to determine the number of EBUs for the parcel.

(B) The Maximum Assessment Rate for the residential and non-residential assessment set forth in the rate schedule are hereby being established and shall continue to be the maximum rate for this next and all subsequent City fiscal years until otherwise modified by the City Council.

(C) Based upon the projections concerning net revenue requirements set forth in the Assessment Study, the Assessment Roll for subsequent Fiscal Years may reflect increases in the assessment rates up to and including the maximum rates presented in the rate schedule in Section 3.03.(A).

(D) The amount of the annual Fire Protection Assessment imposed against Assessed Property may include a pro rata share of the costs and expenses associated with collection and administration of the Fire Protection Assessments each year.

(E) It is hereby ascertained, determined, and declared that the method of determining the Fire Protection Assessments as set forth in this Preliminary Assessment Resolution is a fair and reasonable method of apportioning the Fire Protection Assessed Cost among Assessed Property.

SECTION 3.04. APPLICATION OF ASSESSMENT PROCEEDS. Proceeds derived by the City from the Fire Protection Assessments shall be utilized for the provision of fire protection services and facilities. In the event there is any fund balance remaining at the end of the 2016-17 Fiscal Year, such balance shall be carried forward

and thereafter used only to fund fire protection related services, facilities, improvements and programs.

SECTION 3.05. COLLECTION OF ASSESSMENTS. Fire Protection Assessments for the 2016-17 Fiscal Year shall be collected pursuant to the direct billing method provided for in the Assessment Ordinance, and each year thereafter pursuant to the Uniform Assessment Collection Act as provided for in the Assessment Ordinance, unless otherwise determined by the City Council.

SECTION 3.06. EXEMPTION.

(A) Tax Parcels assigned the following Florida Department of Revenue property use codes (DOR codes) by the Property Appraiser are not subject to the Fire Protection Assessment contemplated hereunder; provided, however, that the costs associated with the exemption of such Tax Parcels shall be funded through other legally available revenues of the City and not through Fire Protection Assessments imposed hereunder.

DOR Code	DOR Description	Parcel Count
465	CONDOMINIUM - MISCELLANEOUS (NOT COVERED	59
499	NON-TAXABLE CONDOMINIUM COMMON AREA	60
8010	SCHOOL (PUBLICLY OWNED) - VACANT	1
8020	COUNTY OWNED LAND - VACANT (THAT DOES	5
8040	HOUSING AUTHORITY - VACANT	13
8060	STATE OWNED LAND - VACANT (THAT DOES NOT	15
8080	MUNICIPALLY OWNED LAND - VACANT (THAT	78
8300	SCHOOL (PUBLICLY OWNED) - IMPROVED	7
8400	COLLEGE	1
8610	COUNTY OWNED LAND - IMPROVED (THAT DOES	6
8640	BREVARD COUNTY-OWNED (AGENCY OTHER THAN	1
8660	HOUSING AUTHORITY - IMPROVED	37
8710	STATE OWNED LAND - IMPROVED (THAT DOES	4
8810	FEDERALLY OWNED LAND - IMPROVED (THAT	1
8910	MUNICIPALLY OWNED LAND - IMPROVED (THAT	33
9105	LOCALLY-ASSESSED RAILROAD PROPERTY	14
9170	WATER & SEWER SERVICE	3
9400	RIGHT OF WAY STREET, ROAD, ETC - PUBLIC	-
9410	RIGHT OF WAY STREET, ROAD, ETC - PRIVATE	1
9499	ASSESSMENT ARREARS	-
9500	RIVERS AND LAKES	1
9510	SUBMERGED LANDS	2

In addition, vacant (un-improved) parcels that contain jurisdictional wetlands are not assessed for the portion of the parcels that are wetlands as those portions do not receive material benefit from fire protection service and those portions are considered to be exempt from the fire protection assessments.

(B) Tax Parcel classifications indicative of special designations used by the Property Appraiser for recordkeeping purposes which do not represent actual or assessable Tax Parcels are not subject to the Fire Protection Assessments contemplated hereunder (e.g. header records).

(C) Notwithstanding anything herein to the contrary, the City Council reserves the right and ability in the future to impose Fire Protection Assessments against Tax Parcels determined to be exempt hereunder to the extent permitted by law or otherwise in the event required or directed to do so by a court of competent jurisdiction.

ARTICLE IV

GENERAL PROVISIONS

SECTION 4.01. CONFLICTS. All resolutions or parts of resolutions in conflict herewith are hereby repealed to the extent of such conflict. However, nothing herein is intended to repeal or modify the administrative appeal process for vacant (unimproved) land which is set forth in Resolution No. 2013-143. Upon adoption of the 2016/2017 Final Assessment Resolution, Resolution No. 2013-143 shall be deemed supplemental to the 2016/2017 Final Assessment Resolution subject to severability as set forth in Section 3(b) of Resolution No. 2013-143.

SECTION 4.02. SEVERABILITY. If any provision of this Resolution or the application thereof to any person or circumstance is held invalid, such invalidity shall not affect other provisions or applications of this Resolution that can be given effect without the invalid provision or application, and to this end the provisions of this Resolution are declared to be severable.

SECTION 4.03. EFFECTIVE DATE. This Resolution shall take effect immediately upon its passage and adoption.

PASSED, ADOPTED AND APPROVED this 23rd day of August, 2016.

CITY COUNCIL OF
COCOA, FLORIDA

By: _____
Henry U. Parrish III, Mayor

Attest:

By: _____
Carie Shealy, City Clerk

To Be Published on or before August 18, 2016

NOTICE OF HEARING TO ADOPT NON-AD VALOREM FIRE PROTECTION ASSESSMENT RATES

Notice is hereby given that the City Council of the City of Cocoa, Florida, will conduct a public hearing to consider adopting updated Fire Protection Assessment non-ad valorem assessment rates to continue funding the provision of Fire Protection Services to properties within the City pursuant to Ordinance 20-2006 previously adopted by the City Council in 2006. The City Council may continue hearings on the matter and the date and time for continuance shall be announced at the public hearing without further written notice of the continued hearing to the public. The decision on whether to impose the assessment will be made either at this public hearing at the time and date listed below or at a continuance of the public hearing to be held, if necessary. Note: The proposed assessment, if adopted, will replace the current Fire Protection Assessment and will not be in addition to the current Fire Protection Assessment.

The public hearing will be held on September 6, 2016, at 6:00 PM at the Council Chambers, 65 Stone St., Cocoa, FL 32922, for the purpose of considering approval of the Final Assessment Resolution and receiving public comment on the proposed assessment. All affected property owners have a right to attend and speak at the hearing and to file written objections and/or comments with the City Council within 20 days of this notice. If a person decides to appeal any decision made by the City Council with respect to any matter considered at such meeting or hearing, he or she will need a record of the proceedings and, for such purpose, may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based. In accordance with the Americans

with Disabilities Act, persons needing a special accommodation or an interpreter to participate in this proceeding should contact the City Clerk's Office at (321) 433-8488 at least two days prior to the date of the hearing.

The non-ad valorem assessment will fund a portion of the cost of the provision of essential services relating to fire protection service within the City. A more specific description of the services is set forth in the Preliminary and Final Assessment Resolutions being considered for adoption by the City Council pursuant to Ordinance 20-2006. Copies of the above-referenced Ordinance, Resolutions, and the non-ad valorem assessment roll are on file with and may be viewed during normal business hours at the Office of the City Manager or at the Office of the City Clerk, both located at 65 Stone Street, Cocoa, FL 32922.

Upon authorization of the non-ad valorem Fire Protection Assessment for fiscal year 2016/2017 and thereafter, the fire protection non-ad valorem assessment will be billed by and collected by the Brevard County Tax Collector on the ad valorem tax bill to be mailed in November. In accordance with the tax bill collection method authorized by Section 197.3632, Florida Statutes, failure to pay this or any non-ad valorem assessment will cause a tax certificate to be issued against the property which may result in a loss of title to real property that is subject to the non-ad valorem assessment.

For the purpose of this non-ad valorem assessment, benefited parcels are all parcels within the City limits of the City of Cocoa except for Brevard County public schools, governmental parcels, rivers, lakes, rights-of-way/buffers and other properties exempted by law, agreement, or other lawful action of the City Council. In addition, parcels, or portions thereof, that are jurisdictional wetlands are exempt from the assessment. For the purposes of this assessment, the assessment for benefited parcels shall be determined based upon the availability

of fire/rescue service to all parcels and the protection from loss of structures on improved parcels and the rate schedule is as follows:

Benefit Tier	Equivalent Benefit Unit (EBU)	Applicable to	Rate per EBU (1)	Maximum Rate per EBU
Residential total assessment	Per Dwelling Unit	Improved non-exempt residential parcels	$193.57	$306.12
Non-residential: Response Readiness Availability	• Improved Property - Per parcel • Un-improved Property - Per parcel or parcel equivalent (Parcel EBU)	All improved and un-improved non-exempt parcels	$136.87	$216.45
Protection from Loss of Structures	Per $5,000 of structure value, rounded down to nearest $5,000. (Structure EBU)	Improved non-exempt parcels	$8.57	$13.55

(1) Parcel EBU is the Tier 1 equivalent benefit unit representing a parcel for improved parcels and a parcel equivalent (EBU) for un-improved parcels. Un-improved parcel EBUs are determined by rounding down the acreage of the parcel to the nearest 5 acres and dividing by 5 acres to determine the number of EBUs for the parcel.

In addition, annual adjustments to this assessment, including increases, may be implemented and the maximum assessment rates presented above are authorized to provide sufficient future revenues (in addition to other legally available funds) to provide fire/rescue services at appropriate levels of service including, but not limited to, providing continued availability of fire insurance at favorable rates, protection from loss of property due to fire, and preservation of property values by virtue of the availability of fire/rescue services provided by the City of Cocoa. The total amount of revenue to be collected by the City of Cocoa in FY 2016/2017 under the non-ad valorem assessment program is estimated to be approximately $2.2 million.

If you have any questions, please contact Teri Butler, Finance Director, at (321) 433-8626, Monday through Friday between 8:00 a.m. and 5:00 p.m.

[INSERT MAP OF THE CITY OF COCOA]

CITY COUNCIL
CITY OF COCOA, FLORIDA

APPENDIX B

FORM OF NOTICE TO BE MAILED

(date) (City

(property owner's name/address – Col B)
(property owner's name/address – Col C)
(property owner's name/address – Col D)
(property owner's name/address – Col E)
(property owner's name/address – Col F)
(property owner's name/address – Col G)

Fire Protection Assessment Hearing Notice

PLEASE NOTE: THIS IS NOT A BILL

RE: PARCEL NO.: (parcel number - Col A) (parcel address – Col H)

Dear Property Owner:

This is a notice to inform you that the Cocoa City Council will conduct a public hearing to consider adopting updated Fire Protection Assessment rates to continue funding the provision of Fire Protection Services to properties within the City pursuant to Ordinance 20-2006 previously adopted by the City Council in 2006.

BACKGROUND: The City of Cocoa has funded fire protection and first response medical services ("rescue") for its citizens through a non-ad valorem assessment since 2006. The City updated its assessment methodology and altered the non-ad valorem assessment rates based on a study prepared by the City's consultant, Burton & Associates ("Study"), which methodology and rates were adopted by Resolution 2015-057 on September 8, 2015. An updated study of the rates only was also prepared by Burton & Associates, dated July 25, 2016 ("Updated Study"). The Updated Study does not modify the assessment methodology or maximum assessment rate previously approved by the City Council pursuant to Resolution 2015-057.

HEARING: You are hereby notified that the City Council of the City of Cocoa, Florida will conduct a public hearing to adopt an updated non-ad valorem assessment. The City Council may continue hearings on the matter and the date and time for continuance shall be announced at the public hearing without further written notice of the continued hearing to the public. The decision on whether to impose the assessment will be made either at this public hearing at the time and date listed below or at a continuance of the public hearing to be held, if necessary.

Note: The proposed assessment, if adopted, will replace the current Fire Protection Assessment and will not be in addition to the current Fire Protection Assessment.

The public hearing will be held on September 6, 2016 at 6:00 PM at the Council Chambers, 65 Stone Street, Cocoa, FL 32922. All affected property owners have a right to attend and speak at the hearing. You may also file written objections and/or comments with the City Council within twenty (20) days of the date of this notice. If a person decides to appeal any decision made by the City Council with respect to any matter considered at such meeting or hearing, he or she will need a record of the proceedings, and that, for such purpose, may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

PURPOSE: The non-ad valorem assessment will fund a portion of the cost of the provision of essential services relating to fire protection service within the City. A more specific description of the services is set forth in the Preliminary and Final Assessment Resolutions being considered for adoption by the City Council pursuant to Ordinance 20-2006 and the aforementioned Study. Copies of the above-referenced Ordinance, Resolutions, Study,

Updated Study, and the non-ad valorem assessment roll are on file with and may be viewed during normal business hours at the Office of the City Clerk, 65 Stone Street, Cocoa, FL 32922.

Upon authorization of the non-ad valorem Fire Protection Assessment for fiscal year 2016/2017 and thereafter, in accordance with the tax bill collection method authorized by Section 197.3632, Florida Statutes, failure to pay this or any non-ad valorem assessment will cause a tax certificate to be issued against the property which may result in a loss of title to your real property that is subject to the non-ad valorem assessment.

APPORTIONMENT METHOD AND RATES: For the purpose of this non-ad valorem assessment, benefited parcels are all parcels within the City limits of the City of Cocoa except for Brevard County public schools, governmental parcels, rivers, lakes, right-of-way/buffers and other properties exempted by law, agreement or other lawful action of the City Council. In addition, parcels, or portions thereof, that are jurisdictional wetlands are exempt from the assessment. For the purposes of this assessment, the assessment for benefited parcels shall be determined based upon the availability of fire/rescue service to all parcels and the protection from loss of structures on improved parcels and the rate schedule is as follows:

Benefit Tier	Equivalent Benefit Unit (EBU)	Applicable to	Rate per EBU (1)	Maximum Rate per EBU
Residential total assessment	Per Dwelling Unit	Improved non-exempt residential parcels	$193.57	$306.12
Non-residential: Response Readiness Availability	• Improved Property - Per parcel • Un-improved Property - Per parcel or parcel equivalent (Parcel EBU)*	All improved and un-improved non-exempt parcels	$136.87	$216.45
Protection from Loss of Structures	Per $5,000 of structure value (Structure EBU) rounded down to the nearest $5,000.	Improved non-exempt parcels	$8.57	$13.55

(1) Parcel EBU is the Tier 1 equivalent benefit unit representing a parcel for improved parcels and a parcel equivalent (EBU) for un-improved parcels. Un-improved parcel EBUs are determined by rounding down the acreage of the parcel to the nearest 5 acres and dividing by 5 acres to determine the number of EBUs for the parcel.

The total non-ad valorem assessment proposed to be levied against your benefited parcel for FY 2016/2017 will be $(amount – Col I) for (number - Col J) Dwelling Units, or for (number – Col K) Parcel EBUs and (number – Col L) Structure EBUs. In addition, annual adjustments to this assessment, including increases, may be implemented and the maximum assessment rates presented above are authorized to provide sufficient future revenues (in addition to other legally available funds) to provide fire/rescue services at appropriate levels of service including, but not limited to, providing continued availability of fire insurance at favorable rates, protection from loss of property due to fire, and preservation of property values by virtue of the availability of fire/rescue services provided by the City of Cocoa. No further first class mail notice is required unless the assessment rates are adjusted to levels higher than the maximum rates above or as otherwise provided by law. The total amount of revenue to be collected by the City of Cocoa in FY 2016/2017 under the non-ad valorem assessment program is estimated to be approximately $2.2 million.

If you have any questions, please contact Teri Butler, Finance Director, (321) 433-8626.

Legislation Details (With Text)

File #:	16-349	**Version:** 1	**Name:**	Stone St row vacation request
Type:	Agenda		**Status:**	City Business
File created:	8/10/2016		**In control:**	City Council
On agenda:	8/23/2016		**Final action:**	
Title:	Approve a request to vacate that portion of the Stone Street right-of-way located between US 1 and the F.E.C. railroad. (Community Services Director)			
Sponsors:				
Indexes:				
Code sections:				
Attachments:	2016-__ VacatinG a Portion of Stone Street.pdf Exhibit A Stone St legal.pdf Stone St right of way vacation application.pdf Stone St Location Map.pdf Cumberland Farms working site plan.pdf			

Date	Ver.	Action By	Action	Result

CITY COUNCIL AGENDA ITEM

Memo Date: August 10, 2016
Agenda Date: August 23, 2016
Prepared By: Steven P. Belden, AICP, Community Services Director
Through: Steven P. Belden, AICP, Community Services Director
Requested Action:
Approve a request to vacate that portion of the Stone Street right-of-way located between US 1 and the F.E.C. railroad.

BACKGROUND:

On February 13, 2003, Florida East Coast Railway (F.E.C.) closed the Stone Street highway rail grade crossing for surface work. Subsequently, in a correspondence dated March 18, 2003, the Florida Department of Transportation (FDOT) indicated to the City that it had received an application from F.E.C. to permanently close the crossing. FDOT indicated its support of the Federal Railroad Administration's desire to reduce the nation's 280,000 public and private grade crossings by consolidating unused, unnecessary, and redundant crossings. Additionally, FDOT stated that highway grade-crossing closures are the safest measure in reducing the opportunity for vehicular-train collisions.

FDOT provided a stipulated agreement between the City of Cocoa, FDOT and FEC, in which FEC agreed to keep the crossing open for an additional 36 months, after which the crossing would be closed permanently. The agreement was executed by the City on August 10, 2004.

Since that time there have been several attempts by the City to re-open the crossing through various correspondence and meetings with FDOT. In 2008, F.E.C. indicated its opposition to reopening the crossing to which FDOT provided correspondence stating that without F.E.C. approval the crossing would not be allowed to re-open.

On June 6, 2016, the City received a Right-Of-Way Vacation application from Biscaya Cocoa Holdings, LLC, from Miami, Florida, requesting the City vacate that portion of Stone Street located between US 1 and the F.E.C. railroad (see attached application). The application was deemed complete and no objections were received by any City Department or public or commercial utility. The City's Utility Department did provide comment indicating that there is an existing water line on the north side of the right of way and a sanitary sewer line on the south side that would have to be relocated with an easement dedicated to the city.

The applicant has indicated that a Cumberland Farms convenience store is considering locating at the property adjacent to the Stone Street right of way. The applicant has provided a preliminary sketch of the potential site plan (see attached exhibit). In order to make the project feasible it is necessary to utilize the existing right of way area.

STRATEGIC PLAN CONNECTION:

N/A

BUDGETARY IMPACT:

Budgeted N/A

PREVIOUS ACTION:

None.

RECOMMENDED MOTION:

Approve a request to vacate that portion of the Stone Street right-of-way located between US 1 and the F.E.C. railroad.

RESOLUTION NO. 2016-__

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF COCOA, FLORIDA; VACATING A PORTION OF STONE STREET GENERALLY LYING WEST OF THE WESTERLY RIGHT-OF-WAY LINE OF US HIGHWAY NO. 1 AND EAST OF THE EASTERLY RIGHT-OF-WAY LINE OF THE FLORIDA EAST COAST RAILWAY TRACKS APPROXIMATELY FIFTY FEET (50') WIDE BY ONE HUNDRED SIXTY FEET (160') LONG WITHIN THE CITY OF COCOA; RESERVING UNTO THE CITY OF COCOA A WATER, SEWER AND REUSE EASEMENT OVER, UNDER AND UPON THAT PORTION OF STONE STREET BEING VACATED HEREUNDER; PROVIDING FOR THE REPEAL OF PRIOR INCONSISTENT RESOLUTIONS, RECORDING, SEVERABILITY AND AN EFFECTIVE DATE.

WHEREAS, the City Council of the City of Cocoa has been asked to consider vacating a portion of Stone Street, more particularly described herein; and

WHEREAS, the City of Cocoa does not currently use, nor has any plans to use, the subject portion of Stone Street for roadway purposes, except the City of Cocoa desires to retain easement rights for City water, sewer and reuse purposes; and

WHEREAS, to the best of the City's knowledge, no other public utilities are currently utilizing the subject portion of Stone Street; and

WHEREAS, the City Council of the City of Cocoa, Florida, hereby finds this Resolution is in the best interests of the public health, safety, and welfare of the citizens of Cocoa.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF COCOA, BREVARD COUNTY, FLORIDA, AS FOLLOWS:

Section 1. **Recitals.** The foregoing recitals are hereby fully incorporated herein by this reference as legislative findings of the City Council of Cocoa.

Section 2. **Stone Street Vacation; Reservation of Easement.** The City Council of the City of Cocoa hereby vacates the portion of Stone Street depicted and described on **Exhibit "A,"** attached hereto and fully incorporated herein by this reference, subject to the City of Cocoa hereby retaining, for the benefit of the public, a non-exclusive easement to construct, install, relocate, maintain and repair utility infrastructure and appurtenances under, over and upon the vacated portion of Stone Street for City water, sewer and reuse purposes. Said easement rights shall remain in full force and effect until terminated by the City of Cocoa by a legal instrument

duly approved by the City Council and recorded in the Official Public Records of Brevard County, Florida.

Section 3. **City Clerk to Record.** Following adoption of this Resolution, this Resolution shall be recorded by the City Clerk in the Official Records for Brevard County, Florida.

Section 4. **Repeal of Prior Inconsistent Resolutions**. All prior inconsistent resolutions adopted by the City Council are hereby repealed.

Section 5. **Severability.** If any section, clause, phrase, word, or provision is for any reason held invalid or unconstitutional by a court of competent jurisdiction, whether for substantive or procedural reasons, such portion shall be deemed a separate, distinct, and independent provision, and such holding shall not affect the validity of the remaining portions of this resolution.

Section 6. **Effective Date.** This Resolution shall become effective immediately upon adoption by the City Council of the City of Cocoa, Florida, and recorded pursuant to Section 3 of this Resolution.

ADOPTED at a Regular Meeting of the City Council of the City of Cocoa, Florida, assembled this _____ day of August, 2016.

_____

Henry U. Parrish, III, Mayor

ATTEST:_____

Carie Shealy, City Clerk

LEGAL DESCRIPTION

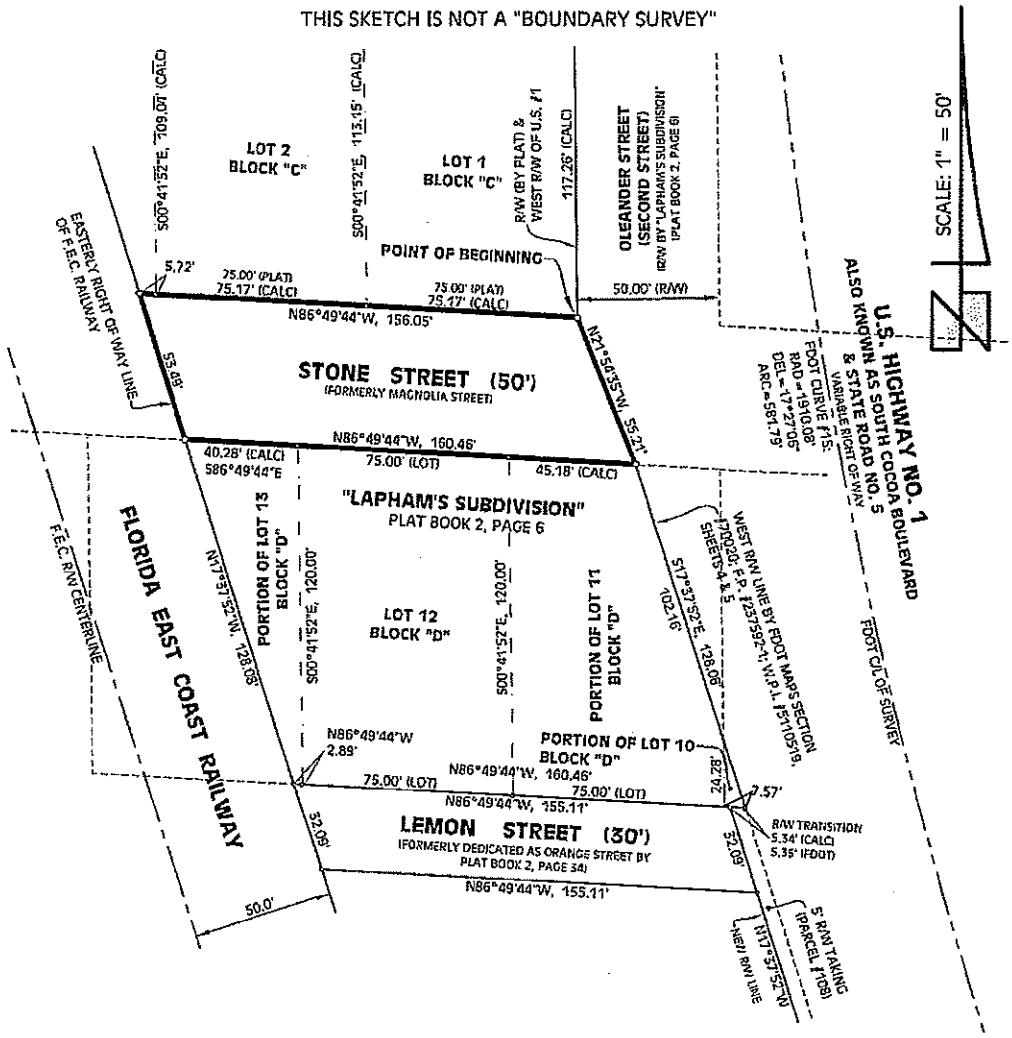
VACATION OF RIGHT OF WAY DESCRIPTION - STONE STREET:

THAT PORTION OF STONE STREET (SAID STREET BEING AN UN-NAMED 50 FOOT WIDE RIGHT OF WAY BY DEDICATED BY "LAPHAM'S SUBDIVISION", RECORDED IN PLAT BOOK 2, PAGE 6 AND RE-DEDICATED AS MAGNOLIA STREET BY "SUNNYSIDE ADDITION TO COCOA, FLORIDA", RECORDED IN PLAT BOOK 2, PAGE 34, BOTH OF THE PUBLIC RECORDS OF BREVARD COUNTY, FLORIDA), WHICH LIES WEST OF THE WEST RIGHT OF WAY LINE OF U.S. HIGHWAY NO. 1 AND EAST OF THE EAST RIGHT OF WAY LINE OF THE FLORIDA EAST COAST RAILWAY (A 100 FOOT WIDE RIGHT OF WAY), MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGIN AT THE SOUTHEAST CORNER OF LOT 1, BLOCK "C" OF "LAPHAM'S SUBDIVISION" RECORDED IN PLAT BOOK 2, PAGE 6 OF THE PUBLIC RECORD OF BREVARD COUNTY, FLORIDA, (SAID POINT BEING ON THE WEST RIGHT OF WAY LINE OF U.S. HIGHWAY NO. 1 AS DEFINED BY FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAPS, SECTION 70020, W.P.I. 5110519, F.P. 237592-1, DATED 7/30/04), THENCE RUN WEST, ALONG THE NORTH RIGHT OF WAY LINE OF STONE STREET, A DISTANCE OF 156 FEET, MORE OR LESS, TO A POINT ON THE EAST RIGHT OF WAY LINE OF THE FLORIDA EAST COAST RAILWAY; THENCE SOUTHEASTERLY, ALONG SAID EAST RIGHT OF WAY LINE, A DISTANCE OF 53.5 FEET, MORE OR LESS, TO A POINT ON THE SOUTH RIGHT OF WAY LINE OF SAID STONE STREET; THENCE EAST, ALONG SAID SOUTH RIGHT OF WAY, A DISTANCE OF 160 FEET, MORE OR LESS TO AN INTERSECTION WITH THE WEST RIGHT OF WAY LINE OF U.S. HIGHWAY NO. 1 (A VARIABLE WIDTH RIGHT OF WAY) AS DEFINED BY THE AFORESAID FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAPS; THENCE NORTHWESTERLY, A DISTANCE OF 55 FEET, MORE OR LESS TO THE POINT OF BEGINNING.

SKETCH TO ACCOMPANY DESCRIPTION

THIS SKETCH IS NOT A "BOUNDARY SURVEY"



VACATION OF RIGHT OF WAY DESCRIPTION - STONE STREET:

THAT PORTION OF STONE STREET (SAID STREET BEING AN UN-NAMED 50 FOOT WIDE RIGHT OF WAY BY DEDICATED BY "LAPHAM'S SUBDIVISION", RECORDED IN PLAT BOOK 2, PAGE 6 AND RE-DEDICATED AS MAGNOLIA STREET BY "SUNNYSIDE ADDITION TO COCOA, FLORIDA", RECORDED IN PLAT BOOK 2, PAGE 34, BOTH OF THE PUBLIC RECORDS OF BREVARD COUNTY, FLORIDA), WHICH LIES WEST OF THE WEST RIGHT OF WAY LINE OF U.S. HIGHWAY NO. 1 AND EAST OF THE EAST RIGHT OF WAY LINE OF THE FLORIDA EAST COAST RAILWAY (A 100 FOOT WIDE RIGHT OF WAY), MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGIN AT THE SOUTHEAST CORNER OF LOT 1, BLOCK "C" OF "LAPHAM'S SUBDIVISION" RECORDED IN PLAT BOOK 2, PAGE 6 OF THE PUBLIC RECORD OF BREVARD COUNTY, FLORIDA, (SAID POINT BEING ON THE WEST RIGHT OF WAY LINE OF U.S. HIGHWAY NO. 1 AS DEFINED BY FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAPS, SECTION 70020, W.P.I. 5110519, F.P. 237592-1, DATED 7/30/04), THENCE RUN WEST, ALONG THE NORTH RIGHT OF WAY LINE OF STONE STREET, A DISTANCE OF 156 FEET, MORE OR LESS, TO A POINT ON THE EAST RIGHT OF WAY LINE OF THE FLORIDA EAST COAST RAILWAY; THENCE SOUTHEASTERLY, ALONG SAID EAST RIGHT OF WAY LINE, A DISTANCE OF 53.5 FEET, MORE OR LESS, TO A POINT ON THE SOUTH RIGHT OF WAY LINE OF SAID STONE STREET; THENCE EAST, ALONG SAID SOUTH RIGHT OF WAY, A DISTANCE OF 160 FEET, MORE OR LESS TO AN INTERSECTION WITH THE WEST RIGHT OF WAY LINE OF U.S. HIGHWAY NO. 1 (A VARIABLE WIDTH RIGHT OF WAY) AS DEFINED BY THE AFORESAID FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAPS; THENCE NORTHWESTERLY, A DISTANCE OF 55 FEET, MORE OR LESS TO THE POINT OF BEGINNING.

DRAWN BY: RMP

CHK'D BY:

DATE: 5/19/16

JOB #: 15-160-2

SHEET 1 OF 1

PREPARED FOR & CERTIFIED TO THE EXCLUSIVE USE OF THE PARTIES LISTED BELOW AND FOR THOSE SERVICES EXPRESSED HEREON. USE OF THIS DOCUMENT BY ANY PARTY OTHER THAN THOSE LISTED OR FOR PURPOSES OTHER THAN THOSE EXPRESSED WILL BE AT THE SOLE RISK OF THAT PARTY WITHOUT LIABILITY OF ANY KIND TO THIS SURVEYOR.

SKETCH & DESCRIPTION - RIGHT OF WAY VACATION

BISCAYA COCOA HOLDINGS, LLC

r.m. packard & assoc., inc.
surveying & mapping
197 BOUGAINVILLEA DRIVE
ROCKLEDGE, FLORIDA 32955
TEL.: (321) 632-6335

Application # PZ - 16 - 0160001

RIGHT-OF-WAY VACATION APPLICATION

Community Services Department
Planning and Zoning Division
65 Stone Street
Cocoa, Florida 32922

Phone: (321) 433-8535
Fax: (321) 433-8543
Web: http://www.cocoafl.org

Serving the Community

A pre-application meeting with Staff is **recommended**.

CITY OF COCOA
For Office Use Only - Date Received
JUN 06 2016
RECEIVED
Planning & Zoning Division
Stamp Only When Application is Fully Complete

Please TYPE or PRINT this application neatly.

1. **Applicant Information:**

Company (if applicable): BISCAYA COCOA HOLDINGS, LLC

Name: ODED M. KAISER, MANAGER AND AUTHORIZED REPRESENTATIVE

Mailing Address: 444 BRICKELL AVENUE, SUITE 417

City: MIAMI State: FL Zip Code: 33131-2405

Phone #: 305-579-0222 Fax #: 305-579-0279

Mobile #: 786-326-7500 E-mail: atlanticeq@aol.com

2. **Limits of Right-of-Way Vacation:** (Please describe the location of the right-of-way segment to be vacated)
(Example: "That portion of Third Street between Lots 22 and 23 of Dixon Addition to Cocoa.")

That portion of Stone Street perpendicular to State Route 520 and the Florida East Coast Railway as highlighted on the attached map and survey.

3. **Abutting Property Information:** * If there are multiple owners, attach additional sheet(s) as needed.

Owner #1 Abutting Vacation Property –

Company (if applicable): BISCAYA COCOA HOLDINGS, LLC

Name: ODED M. KAISER, MANAGER AND AUTHORIZED REPRESENTATIVE

Mailing Address: 444 BRICKELL AVENUE, SUITE 417

City: MIAMI State: FL Zip Code: 33131-2405

Phone #: 305-579-0222 Fax #: 305-579-0279

Mobile #: 786-326-7500 E-mail: atlanticeq@aol.com

Parcel ID: 24-36-33-31-0000D.0-0011.00

Tax Account Number: 2425875

Owner #2 Abutting Vacation Property –

Company (if applicable): BISCAYA COCOA HOLDINGS, LLC

Name: ODED M. KAISER, MANAGER AND AUTHORIZED REPRESENTATIVE

Mailing Address: 444 BRICKELL AVENUE, SUITE 417

City: MIAMI State: FL Zip Code: 33131-2405

Phone #: 305-579-0222 Fax #: 305-579-0279

Mobile #: 786-326-7500 E-mail: atlanticeq@aol.com

Parcel ID: 24-36-33-31-0000D.0-0012.00

Tax Account Number: 2425876

Owner #3 Abutting Vacation Property –

Company (if applicable): BISCAYA COCOA HOLDINGS, LLC

Name: ODED M. KAISER, MANAGER AND AUTHORIZED REPRESENTATIVE

Mailing Address: 444 BRICKELL AVENUE, SUITE 417

City: MIAMI State: FL Zip Code: 33131-2405

Phone #: 305-579-0222 Fax #: 305-579-0279

Mobile #: 786-326-7500 E-mail: atlanticeq@aol.com

Parcel ID: 24-36-33-31-0000D.0-0013.00

Tax Account Number: 2425877

3. **Abutting Property Information:** * If there are multiple owners, attach additional sheet(s) as needed.

Owner #1 Abutting Vacation Property –

Company (if applicable): TIMOTHY PICKLES, ESQ., WATSON, SOILEAU, et al., Attorney for

Name: EVA IRENE CRUMB, TRUSTEE OF THE EVA IRENE CRUMB REVOCABLE TRUST dated JULY 17, 2014

Mailing Address: 3490 NORTH US HIGHWAY 1

City: COCOA State: FL Zip Code: 32926

Phone #: 321-631-1550 Fax #: 321-631-1567

Mobile #: E-mail: tfpickles@brevardlawgroup.com

Parcel ID: 24-36-33-31-0000C.0-0001.00

Tax Account Number: 2425855

Owner #2 Abutting Vacation Property –

Company (if applicable): TIMOTHY PICKLES, ESQ., WATSON, SOILEAU, et al., Attorney for

Name: EVA IRENE CRUMB, TRUSTEE OF THE EVA IRENE CRUMB REVOCABLE TRUST dated JULY 17, 2014

Mailing Address: 3490 NORTH US HIGHWAY 1

City: COCOA State: FL Zip Code: 32926

Phone #: 321-631-1550 Fax #: 321-631-1567

Mobile #: E-mail: tfpickles@brevardlawgroup.com

Parcel ID: 24-36-33-31-0000C.0-0002.00

Tax Account Number: 2425857

Owner #3 Abutting Vacation Property –

Company (if applicable): FLORIDA EAST COAST RAILWAY

Name:

Mailing Address: 7411 FULLERTON STREET, SUITE 300

City: JACKSONVILLE State: FL Zip Code: 32256

Phone #: 1-800-342-1131 Fax #:

Mobile #: E-mail: contact@fecrwy.com

Parcel ID: --

Tax Account Number:

4. **Please submit the following items in order complete the application:**

a. ☑ **Notarized application.**

b. ☑ **Application fee.** Please make checks payable to the 'City of Cocoa' and submit payment **ONLY** to the Community Services Department. Public mail notice and legal advertising fees must also be paid a few weeks after application submittal. See Schedule of Fees, Charges and Expenses for applicable fees.

c. ☐ **Proof of ownership.** A copy of the most recent recorded warranty deeds of the abutting properties is required.

d. ☐ **Letter of authorization.** If the applicant is not the property owner, a notarized letter of authorization or agent affidavit is required, unless the applicant is the Attorney of the owner. Each property owner must complete a separate authorization form or other suitable documentation to allow the agent to act upon his/her behalf. A "Letter of Authorization" form is available from the City.

e. ☑ **Corporate documents.** If the applicant/owner is representing a company, articles of incorporation which show the applicant/owner is authorized to represent the company is required.

f. ☐ **Certified boundary survey.** Submit a certified survey showing all areas proposed to be vacated.

g. ☑ **Legal description.** Submit a typed copy of the legal description. It may be submitted on a computer disk or by e-mail.

h. ☐ **Ownership and encumbrance report.** Submit an ownership and encumbrance report with all attachments of the requested area.

i. ☐ **Various utility and City department review and recommendation letters.** These recommendation letters will aid the City in assessing what interests each utility and/or City department may have in the requested vacation. In some cases, a vacation will not be possible or practical. In other cases, an easement may be requested. Typically, a faxed request to the following parties will be sufficient, so long as a legal description and/or map is included. An example of a fax request is available from the City. The following is a list of all the utilities and City departments that need to be contacted:

List of Utility Companies and City of Cocoa Department Contacts

Bell South 517 Hughlett Avenue Cocoa, FL 32922 Phone: (321) 690-2057 Fax: (321) 638-2485	**Florida Power and Light (FPL)** 9001 Ellis Road Melbourne, FL 32904 Phone: (321) 726-4801 Fax: (321) 726-4880	**Bright House Networks** 720 Magnolia Avenue Melbourne, FL 32935 Phone: (321) 242-2926
City Gas Company of Florida 4180 S. Hwy. U.S. 1 Rockledge, FL 32955 Phone: (321) 636-4644 Fax: (321) 633-6733	**Cocoa Police Department** co/ Police Chief 1226 West King Street Cocoa, FL 32922 Phone: (321) 639-7626 Fax: (321) 639-7644	**Cocoa Fire Department** co/ Fire Chief 2003 Michigan Avenue Cocoa, FL 32926 Phone: (321) 639-7613 Fax: (321) 639-7612
Cocoa Utilities Department co/ Peggy Turner 600 School Street Cocoa, FL 32922 Phone: (321) 433-8799 Fax: (321) 433-8708	**Cocoa Public Works Department** co/ Michael Giorgio 600 School Street Cocoa, FL 32922 Phone: (321) 433-8771 Fax: (321) 433-8790	

j. ☐ **Additional information.** Submit any information that may be helpful in understanding the request. This may include, but limited to, desired ordinance text, examples, photos, sketches, elevations, and letters.

5. **Application filing procedure.** This application, together with all required exhibits and attachments, shall be completed and filed with the Planning and Zoning Division prior to scheduling the resolution before City Council. Unless noted differently, all regularly scheduled City of Cocoa Council meetings are held on the second and fourth Tuesday of each month at 7:00 pm in the Cocoa City Council Chambers located at 65 Stone Street, Cocoa, Florida.

6. Signatures and Notarization.

STATE OF FLORIDA COUNTY OF MIAMI-DADE, I, ODED M. KAISER, MANAGER being first duly sworn, depose and say that:

☒ I am the owner of the subject property, or if corporation, I am the officer of the corporation authorized to act on this request.

☐ I am the legal representative of the owner of the subject property of this application and a notarized Letter of Authorization form or agent affidavit accompanies this application giving written consent by all property owners of the subject property, unless the applicant is the Attorney representing the owner.

I hereby certify that I have read, completed and understand this application, and understand that if my application and all associated attachments are not complete and accurate in all respects, the application will not be scheduled for a public hearing. I further understand that this application must be complete and accurate prior to the advertising of a public hearing.

(APPLICANT SIGNATURE)

CHARLES H. RATNER
(Print, Type, or Stamp Commissioned Name of Notary Public)

Personally Known ☒ OR Produced Identification ☐

Type of I.D. Produced

CHARLES H. RATNER
MY COMMISSION # FF 236739
EXPIRES October 3, 2019
Bonded Thru Notary Public Underwriters

(NOTARY PUBLIC SIGNATURE)

STATE OF FLORIDA, COUNTY OF MIAMI-DADE

Sworn and subscribed to before me this 27 day of May, 20 16

FOR OFFICE USE ONLY

Fee of $ 250.00 in cash ☐ or check ☒ (No. 3406) payable to the "City of Cocoa".

Receipt Number: 507261

Date: 6-6-16

Signature from Planning & Zoning Division:

CFN 2016102288, OR BK 7626 Page 510, Recorded 05/27/2016 at 05:03 PM, Scott Ellis, Clerk of Courts, Brevard County Doc. D: $0.70

This instrument prepared by:
And after recording return to
Charles H. Ratner, Esq., President
Charles Ratner, P.A.,
200 S. Biscayne Boulevard
Suite 3200
Miami FL 33131

Folio No. 24-36-33-31-0000D.0-0011.00

(For Recorder's Use Only)

MEMBER'S DISTRIBUTION GENERAL WARRANTY DEED

(BISCAYA STONE STREET 1, LLC)

THIS GENERAL WARRANTY DEED, dated as of May 23, 2016 between **BISCAYA STONE STREET 1, LLC**, a Florida limited liability company, with an address at 444 Brickell Avenue, Suite 417, Miami, FL 33131 ("Grantor") and **BISCAYA COCOA HOLDINGS, LLC**, a Florida limited liability company, its sole Member, with an address at 444 Brickell Avenue, Suite 417, Miami, FL 33131 ("Grantee").

Grantor, for and in consideration of the sum of $10.00 and other good and valuable consideration paid by Grantee, receipt of which is acknowledged, distributes, grants, bargains, and conveys to Grantee the real property situate, lying and being in Brevard County, Florida, located at **337 Stone Street, Cocoa, FL 32922** legally described as follows ("Property"):

Lot 11, Block D of LAPHAM'S SUBDIVISION, according to the Plat thereof as recorded in Plat Book 2, Page 6, of the Public Records of Brevard County, Florida, LESS road right-of-way.

TOGETHER WITH (i) any and all structures and improvements on the Property; (ii) all right, title, and interest, if any, of Grantor in any land lying in the bed of any street or highway, opened or proposed, in front of or adjoining the Property; and (iii) all easements, rights of way, privileges, licenses, appurtenances, and other rights and benefits belonging to, running with the owner of, or in any way related to the Property; any or all of the foregoing, if applicable.

TO HAVE AND TO HOLD, the same in fee simple forever.

SUBJECT TO: real estate taxes for 2016 and subsequent years, comprehensive land use plans, zoning and other restrictions, regulations and prohibitions imposed by governmental authorities, all without intent to reimpose the same.

AND, Grantor covenants with Grantee that Grantor is lawfully seized of the Property in fee simple; that Grantor has good right and lawful authority to transfer and convey the Property and the Grantor does hereby fully warrant the title to said land and Property, and will defend the same against lawful claims of all persons whomsoever.

NOTE TO RECORDER AND TAX ASSESSOR: This is a Distribution General Warranty Deed of unencumbered real property from a single member Limited Liability Company to its sole member in the process of the Grantor LLC winding up its affairs, and is given for nominal consideration. The beneficial interest in and to the Grantee member and the Property remains the same before and after this Conveyance, and this Deed does not represent any change in the beneficial ownership of the Property. Accordingly, no documentary stamps other than nominal stamps are due in connection with this Deed.

SIGNATURE PAGE TO
MEMBER'S DISTRIBUTION GENERAL WARRANTY DEED
(BISCAYA STONE STREET 1, LLC)

Grantor has executed this Deed as of the date indicated above.

Signed, sealed and delivered in the presence of:
(as to both signatures)

BISCAYA STONE STREET 1, LLC,
a Florida limited liability company

BY: BISCAYA COCOA HOLDINGS, LLC,
a Florida limited liability company,
It's Manager and Sole Member

Sign Name: _____
Witness #1

Print Name: CHARLES H. RATNER
Witness #1

By: _____
Oded M. Kaiser, Manager

By: _____
Pablo A. Camposano, Manager

Sign Name: _____
Witness #2

Print Name: Karen Hamandi
Witness #2

STATE OF FLORIDA)
) **SS:**
COUNTY OF MIAMI-DADE)

The foregoing instrument was acknowledged before me this ____ day of May, 2016, by ODED M. KAISER and PABLO A. CAMPOSANO, as Managers of Biscaya Cocoa Holdings, LLC, a Florida limited liability company, the Manager and Sole Member of **BISCAYA STONE STREET 1, LLC**, a Florida limited liability company corporation, on behalf of such limited liability company. They are personally known to me ~~or have produced~~ _____ as identification *(strike one)*.

My Commission Expires:
[NOTARIAL SEAL]

Sign Name: _____

Print Name: CHARLES H. RATNER
NOTARY PUBLIC

Serial No. (none, if blank): _____

CHARLES H. RATNER
MY COMMISSION # FF 236739
EXPIRES: October 3, 2019
Bonded Thru Notary Public Underwriters

Ellis, Clerk of Courts, Brevard County Doc. D: $0.70

This instrument prepared by:
And after recording return to
Charles H. Ratner, Esq., President
Charles Ratner, P.A.,
200 S. Biscayne Boulevard
Suite 3200
Miami FL 33131

Folio No. 24-36-33-31-0000D.0-0012.00

(For Recorder's Use Only)

MEMBER'S DISTRIBUTION GENERAL WARRANTY DEED

(BISCAYA STONE STREET 2, LLC)

THIS GENERAL WARRANTY DEED, dated as of May 23, 2016 between **BISCAYA STONE STREET 2, LLC,** a Florida limited liability company, with an address at 444 Brickell Avenue, Suite 417, Miami, FL 33131 ("Grantor") and **BISCAYA COCOA HOLDINGS, LLC,** a Florida limited liability company, its sole Member, with an address at 444 Brickell Avenue, Suite 417, Miami, FL 33131 ("Grantee").

Grantor, for and in consideration of the sum of $10.00 and other good and valuable consideration paid by Grantee, receipt of which is acknowledged, distributes, grants, bargains, and conveys to Grantee the real property situate, lying and being in Brevard County, Florida, located at **341 Stone Street, Cocoa, FL 32922** legally described as follows ("Property"):

Lot 12, Block D of LAPHAM'S SUBDIVISION, according to the Plat thereof as recorded in Plat Book 2, Page 6, of the Public Records of Brevard County, Florida.

TOGETHER WITH (i) any and all structures and improvements on the Property; (ii) all right, title, and interest, if any, of Grantor in any land lying in the bed of any street or highway, opened or proposed, in front of or adjoining the Property; and (iii) all easements, rights of way, privileges, licenses, appurtenances, and other rights and benefits belonging to, running with the owner of, or in any way related to the Property; any or all of the foregoing, if applicable.

TO HAVE AND TO HOLD, the same in fee simple forever.

SUBJECT TO: real estate taxes for 2016 and subsequent years, comprehensive land use plans, zoning and other restrictions, regulations and prohibitions imposed by governmental authorities, all without intent to reimpose the same.

AND, Grantor covenants with Grantee that Grantor is lawfully seized of the Property in fee simple; that Grantor has good right and lawful authority to transfer and convey the Property and the Grantor does hereby fully warrant the title to said land and Property, and will defend the same against lawful claims of all persons whomsoever.

NOTE TO RECORDER AND TAX ASSESSOR: This is a Distribution General Warranty Deed of unencumbered real property from a single member Limited Liability Company to its sole member in the process of the Grantor LLC winding up its affairs, and is given for nominal consideration. The beneficial interest in and to the Grantee member and the Property remains the same before and after this Conveyance, and this Deed does not represent any change in the beneficial ownership of the Property. Accordingly, no documentary stamps other than nominal stamps are due in connection with this Deed.

SIGNATURE PAGE TO
MEMBER'S DISTRIBUTION GENERAL WARRANTY DEED
(BISCAYA STONE STREET 2, LLC)

Grantor has executed this Deed as of the date indicated above.

Signed, sealed and delivered in the presence of:
(as to both signatures)

BISCAYA STONE STREET 2, LLC,
a Florida limited liability company

BY: BISCAYA COCOA HOLDINGS, LLC,
a Florida limited liability company,
It's Manager and Sole Member

Sign Name: _____
Witness #1

Print Name: CHARLES H. RATNER
Witness #1

By: _____
Oded M. Kaiser, Manager

By: _____
Pablo A. Camposano, Manager

Sign Name: _____
Witness #2

Print Name: Karen Hamandi
Witness #2

STATE OF FLORIDA)
) **SS:**
COUNTY OF MIAMI-DADE)

The foregoing instrument was acknowledged before me this ___ day of May, 2016, by ODED M. KAISER and PABLO A. CAMPOSANO, as Managers of Biscaya Cocoa Holdings, LLC, a Florida limited liability company, the Manager and Sole Member of **BISCAYA STONE STREET 2, LLC**, a Florida limited liability company corporation, on behalf of such limited liability company. They are personally known to me or have ~~produced~~ _____ as identification *(strike one)*.

My Commission Expires:
[NOTARIAL SEAL]

Sign Name: _____

Print Name: CHARLES H. RATNER
NOTARY PUBLIC

Serial No. (none, if blank): _____

CHARLES H. RATNER
MY COMMISSION # FF 236739
EXPIRES: October 3, 2019
Bonded Thru Notary Public Underwriters

Ellis, Clerk of Courts, Brevard County Doc. D: $0.70

This instrument prepared by:
And after recording return to
Charles H. Ratner, Esq., President
Charles Ratner, P.A.,
200 S. Biscayne Boulevard
Suite 3200
Miami FL 33131

Folio No. 24-36-33-31-0000D.0-0013.00

(For Recorder's Use Only)

MEMBER'S DISTRIBUTION GENERAL WARRANTY DEED

(BISCAYA STONE STREET 3, LLC)

THIS GENERAL WARRANTY DEED, dated as of May 23, 2016 between **BISCAYA STONE STREET 3, LLC,** a Florida limited liability company, with an address at 444 Brickell Avenue, Suite 417, Miami, FL 33131 ("Grantor") and **BISCAYA COCOA HOLDINGS, LLC,** a Florida limited liability company, its sole Member, with an address at 444 Brickell Avenue, Suite 417, Miami, FL 33131 ("Grantee").

Grantor, for and in consideration of the sum of $10.00 and other good and valuable consideration paid by Grantee, receipt of which is acknowledged, distributes, grants, bargains, and conveys to Grantee the real property situate, lying and being in Brevard County, Florida, located at **347 Stone Street, Cocoa, FL 32922** legally described as follows ("Property"):

Lot 13, Block D of LAPHAM'S SUBDIVISION, according to the Plat thereof as recorded in Plat Book 2, Page 6, of the Public Records of Brevard County, Florida.

TOGETHER WITH (i) any and all structures and improvements on the Property; (ii) all right, title, and interest, if any, of Grantor in any land lying in the bed of any street or highway, opened or proposed, in front of or adjoining the Property; and (iii) all easements, rights of way, privileges, licenses, appurtenances, and other rights and benefits belonging to, running with the owner of, or in any way related to the Property; any or all of the foregoing, if applicable.

TO HAVE AND TO HOLD, the same in fee simple forever.

SUBJECT TO: real estate taxes for 2016 and subsequent years, comprehensive land use plans, zoning and other restrictions, regulations and prohibitions imposed by governmental authorities, all without intent to reimpose the same.

AND, Grantor covenants with Grantee that Grantor is lawfully seized of the Property in fee simple; that Grantor has good right and lawful authority to transfer and convey the Property and the Grantor does hereby fully warrant the title to said land and Property, and will defend the same against lawful claims of all persons whomsoever.

NOTE TO RECORDER AND TAX ASSESSOR: This is a Distribution General Warranty Deed of unencumbered real property from a single member Limited Liability Company to its sole member in the process of the Grantor LLC winding up its affairs, and is given for nominal consideration. The beneficial interest in and to the Grantee member and the Property remains the same before and after this Conveyance, and this Deed does not represent any change in the beneficial ownership of the Property. Accordingly, no documentary stamps other than nominal stamps are due in connection with this Deed.

SIGNATURE PAGE TO
MEMBER'S DISTRIBUTION GENERAL WARRANTY DEED
(BISCAYA STONE STREET 3, LLC)

Grantor has executed this Deed as of the date indicated above.

Signed, sealed and delivered in the presence of:
(as to both signatures)

BISCAYA STONE STREET 3, LLC,
a Florida limited liability company

BY: BISCAYA COCOA HOLDINGS, LLC,
a Florida limited liability company,
It's Manager and Sole Member

Sign Name: _____
Witness #1

CHARLES H. RATNER
Print Name: _____
Witness #1

By: _____
Oded M. Kaiser, Manager

By: _____
Pablo A. Camposano, Manager

Sign Name: _____
Witness #2

Karen Hamandi
Print Name: _____
Witness #2

STATE OF FLORIDA)
) **SS:**
COUNTY OF MIAMI-DADE)

The foregoing instrument was acknowledged before me this ____ day of May, 2016, by ODED M. KAISER and PABLO A. CAMPOSANO, as Managers of Biscaya Cocoa Holdings, LLC, a Florida limited liability company, the Manager and Sole Member of **BISCAYA STONE STREET 3, LLC**, a Florida limited liability company corporation, on behalf of such limited liability company. ~~They are personally known to me or have produced~~ _____ ~~as identification~~ *(strike one)*.

My Commission Expires:
[NOTARIAL SEAL]

Sign Name: _____

CHARLES H. RATNER
Print Name: _____
NOTARY PUBLIC
Serial No. (none, if blank): _____

CHARLES H. RATNER
MY COMMISSION # FF 236739
EXPIRES: October 3, 2019
Bonded Thru Notary Public Underwriters

COVER LETTER

TO: Registration Section
Division of Corporations

SUBJECT: BISCAYA COCOA HOLDINGS, LLC
Name of Limited Liability Company

Dear Sir or Madam:

The enclosed Statement of Authority and fee(s) are submitted for filing.

Please return all correspondence concerning this matter to the following:

Oded M. Kaiser
Name of Person

Biscaya Cocoa Holdings, LLC
Firm/Company

444 Brickell Avenue, Suite 417
Address

Miami, FL 33131
City/State and Zip Code

atlanticeq@aol.com
E-mail address: (to be used for future annual report notification)

For further information concerning this matter, please call:

Max Kaiser at (305) 579-0222
Name of Person — Area Code — Daytime Telephone Number

STREET/COURIER ADDRESS:
Registration Section
Division of Corporations
Clifton Building
2661 Executive Center Circle
Tallahassee, Florida 32301

MAILING ADDRESS:
Registration Section
Division of Corporations
P.O. Box 6327
Tallahassee, Florida 32314

CR2E138 (2/14)

STATEMENT OF AUTHORITY

Pursuant to section 605.0302(1), Florida Statutes, this limited liability company submits the following statement of authority:

FIRST: The name of the limited liability company is: BISCAYA COCOA HOLDINGS, LLC

SECOND: The Florida Document Number of the limited liability company is: L15000184312

THIRD: The street address of the limited liability company's principal office is:

444 Brickell Avenue
Suite 417
Miami, FL 33131

The mailing address of the limited liability company's principal office is:

444 Brickell Avenue
Suite 417
Miami, FL 33131

FOURTH: This statement of authority grants or sets limitations of authority on all persons having the status or position of a person in a company, whether as a member, transferee, manager, officer or otherwise or to a specific person on the following:

1. May execute an instrument transferring real property held in the name of the company.
   a. Granted to: Oded M. Kaiser, a/k/a Max Kaiser
   b. No authority granted to: _____
2. May enter into other transactions on behalf of, or otherwise act for or bind, the company.
   a. Granted to : Oded M. Kaiser, a/k/a Max Kaiser
   b. No authority granted to: _____

Signature of authorized representative

Oded M. Kaiser, MGR/MBR
Typed or printed name of signature

Filing Fee: $25.00
Certified Copy: $30.00 (optional)

CR2E138 (2/14)

MINUTES OF SPECIAL MEETING
OF MEMBERS AND MANAGERS OF BISCAYA COCOA HOLDINGS, LLC.

A special meeting of the Members and Managers of Biscaya Cocoa Holdings, LLC (the "company"), was held at the principal address of the company on May 24, 2016 for the purpose of considering the appointment of Oded M. Kaiser, also known as Max Kaiser, to be the Authorized Representative of the company in all matters affecting the company and its assets and property of any nature, including seeking the vacation of the Stone Street Right of Way in Cocoa, Brevard County, Florida.

Oded M. Kaiser was appointed Chairman of the meeting and Pablo A. Camposano was appointed Secretary of the meeting and recorded the minutes.

The roll call of the members of the company was called, and the Chairman verified that each person deemed present and permitted to vote is a member.

The Chairman then announced that meeting was called to consider the following: (1) appointment of Oded M. Kaiser as Authorized Representative of the company for 2016 and (2) the approval to seek vacation of the Stone Street Right of Way in Cocoa, Brevard County, Florida. After discussion and motion duly made, seconded, and carried by vote of all of the members and managers, it was:

RESOLVED, unanimouslyon the motion for the appointment of Oded M. Kaiser as Authorized Representative for the company for the year 2016, the members and managers unanimously elect Oded M. Kaiser as Authorized Representative of the company and Pablo A. Camposano as his successor for the year 2016.

RESOLVED, unanimously, the members and managers approve the attached Right of Way Vacation Application for Stone Street in Cocoa, Brevard County, Florida.

There being no further business to come before the members and managers, on motion duly made, seconded and carried, the meeting was adjourned.

Oded M. Kaiser
Chairman/Member and Manager

Pablo A. Camposano
Secretary/Member and Manager

Electronic Articles of Organization For Florida Limited Liability Company

L15000184312
FILED 8:00 AM
October 29, 2015
Sec. Of State
sgilbert

Article I

The name of the Limited Liability Company is:

BISCAYA COCOA HOLDINGS, LLC

Article II

The street address of the principal office of the Limited Liability Company is:

444 BRICKELL AVENUE
SUITE 417
MIAMI, FL. US 33131

The mailing address of the Limited Liability Company is:

444 BRICKELL AVENUE
SUITE 417
MIAMI, FL. US 33131

Article III

The name and Florida street address of the registered agent is:

CHARLES RATNER, P.A.
200 S BISCAYNE BLVD.
SUITE 3200
MIAMI, FL. 33131

Having been named as registered agent and to accept service of process for the above stated limited liability company at the place designated in this certificate, I hereby accept the appointment as registered agent and agree to act in this capacity. I further agree to comply with the provisions of all statutes relating to the proper and complete performance of my duties, and I am familiar with and accept the obligations of my position as registered agent.

Registered Agent Signature: CHARLES RATNER, ESQ

L15000184312
FILED 8:00 AM
October 29, 2015
Sec. Of State
sgilbert

Article IV

The name and address of person(s) authorized to manage LLC:

Title: MGR
ODED M KAISER
444 BRICKELL AVENUE, SUITE 417
MIAMI, FL. 33131 US

Title: MGR
PABLO A CAMPOSANO
444 BRICKELL AVENUE, SUITE 417
MIAMI, FL. 33131 US

Article V

The effective date for this Limited Liability Company shall be:

10/29/2015

Signature of member or an authorized representative

Electronic Signature: CHARLES H RATNER

I am the member or authorized representative submitting these Articles of Organization and affirm that the facts stated herein are true. I am aware that false information submitted in a document to the Department of State constitutes a third degree felony as provided for in s.817.155, F.S. I understand the requirement to file an annual report between January 1st and May 1st in the calendar year following formation of the LLC and every year thereafter to maintain "active" status.

2016 FLORIDA LIMITED LIABILITY COMPANY ANNUAL REPORT

DOCUMENT# L15000184312

Entity Name: BISCAYA COCOA HOLDINGS, LLC

Current Principal Place of Business:

444 BRICKELL AVENUE
SUITE 417
MIAMI, FL 33131

Current Mailing Address:

444 BRICKELL AVENUE
SUITE 417
MIAMI, FL 33131 US

FEI Number: 81-1824590

FILED
Mar 30, 2016
Secretary of State
CC6691053380

Certificate of Status Desired: No

Name and Address of Current Registered Agent:

CHARLES RATNER, P.A.
200 S BISCAYNE BLVD.
SUITE 3200
MIAMI, FL 33131 US

The above named entity submits this statement for the purpose of changing its registered office or registered agent, or both, in the State of Florida.

SIGNATURE:

Electronic Signature of Registered Agent — Date

Authorized Person(s) Detail :

Title	MGR	Title	MGR
Name	KAISER, ODED M	Name	CAMPOSANO, PABLO A
Address	444 BRICKELL AVENUE, SUITE 417	Address	444 BRICKELL AVENUE, SUITE 417
City-State-Zip:	MIAMI FL 33131	City-State-Zip:	MIAMI FL 33131

I hereby certify that the information indicated on this report or supplemental report is true and accurate and that my electronic signature shall have the same legal effect as if made under oath; that I am a managing member or manager of the limited liability company or the receiver or trustee empowered to execute this report as required by Chapter 605, Florida Statutes; and that my name appears above, or on an attachment with all other like empowered.

SIGNATURE: PABLO CAMPOSANO MGR 03/30/2016

Electronic Signature of Signing Authorized Person(s) Detail — Date

FLORIDA DEPARTMENT OF STATE
DIVISION OF CORPORATIONS

Detail by Entity Name

Florida Limited Liability Company

BISCAYA COCOA HOLDINGS, LLC

Filing Information

Document Number	L15000184312
FEI/EIN Number	81-1824590
Date Filed	10/29/2015
Effective Date	10/29/2015
State	FL
Status	ACTIVE

Principal Address

444 BRICKELL AVENUE
SUITE 417
MIAMI, FL 33131

Mailing Address

444 BRICKELL AVENUE
SUITE 417
MIAMI, FL 33131

Registered Agent Name & Address

CHARLES RATNER, P.A.
200 S BISCAYNE BLVD.
SUITE 3200
MIAMI, FL 33131

Authorized Person(s) Detail

Name & Address

Title MGR

KAISER, ODED M
444 BRICKELL AVENUE, SUITE 417
MIAMI, FL 33131

Title MGR

CAMPOSANO, PABLO A
444 BRICKELL AVENUE, SUITE 417
MIAMI, FL 33131

Annual Reports

Report Year	Filed Date
2016	03/30/2016

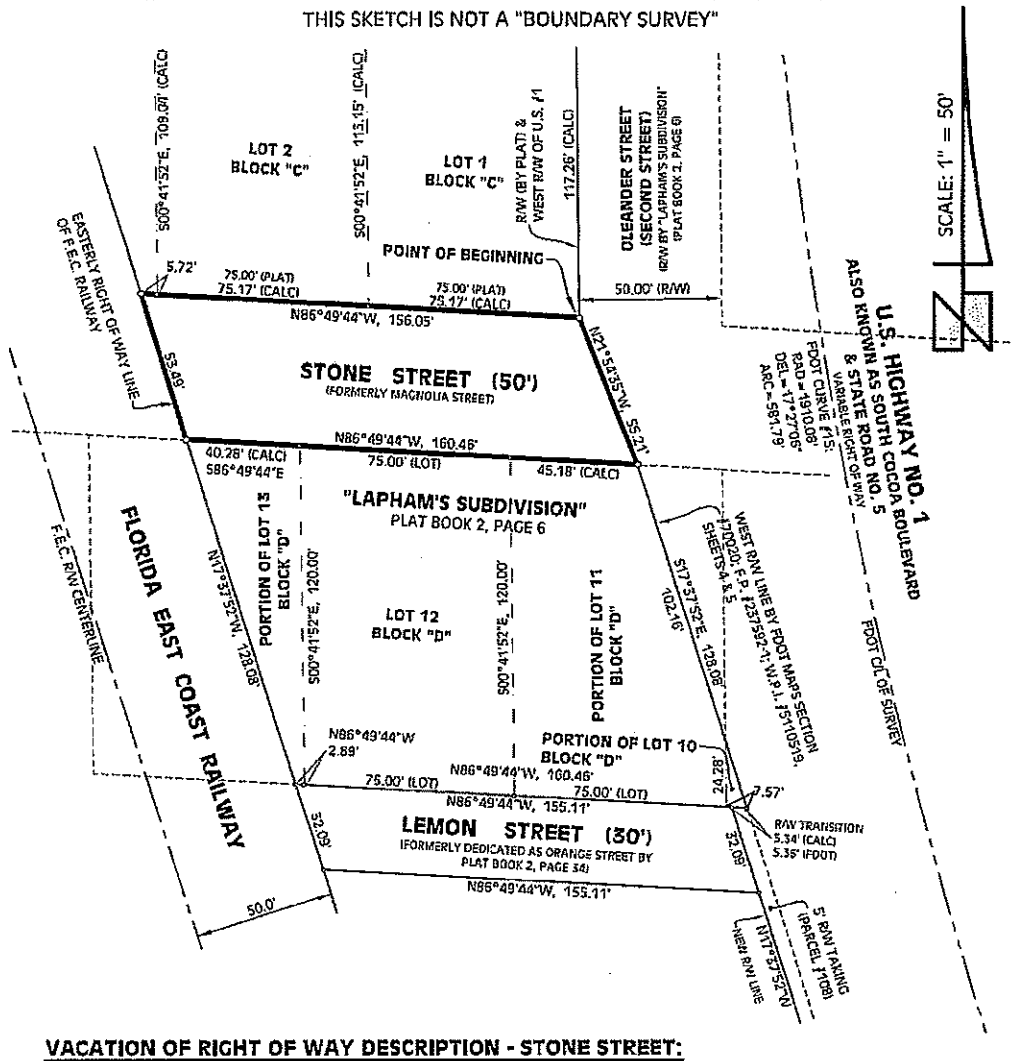
Document Images

03/30/2016 -- ANNUAL REPORT	View image in PDF format
10/29/2015 -- Florida Limited Liability	View image in PDF format

Electronic Articles of Organization
For Florida Limited Liability Company
Florida Department of State

SKETCH TO ACCOMPANY DESCRIPTION

THIS SKETCH IS NOT A "BOUNDARY SURVEY"



VACATION OF RIGHT OF WAY DESCRIPTION - STONE STREET:

THAT PORTION OF STONE STREET (SAID STREET BEING AN UN-NAMED 50 FOOT WIDE RIGHT OF WAY BY DEDICATED BY "LAPHAM'S SUBDIVISION", RECORDED IN PLAT BOOK 2, PAGE 6 AND RE-DEDICATED AS MAGNOLIA STREET BY "SUNNYSIDE ADDITION TO COCOA, FLORIDA", RECORDED IN PLAT BOOK 2, PAGE 34, BOTH OF THE PUBLIC RECORDS OF BREVARD COUNTY, FLORIDA), WHICH LIES WEST OF THE WEST RIGHT OF WAY LINE OF U.S. HIGHWAY NO. 1 AND EAST OF THE EAST RIGHT OF WAY LINE OF THE FLORIDA EAST COAST RAILWAY (A 100 FOOT WIDE RIGHT OF WAY), MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGIN AT THE SOUTHEAST CORNER OF LOT 1, BLOCK "C" OF "LAPHAM'S SUBDIVISION" RECORDED IN PLAT BOOK 2, PAGE 6 OF THE PUBLIC RECORD OF BREVARD COUNTY, FLORIDA, (SAID POINT BEING ON THE WEST RIGHT OF WAY LINE OF U.S. HIGHWAY NO. 1 AS DEFINED BY FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAPS, SECTION 70020, W.P.I. 5110519, F.P. 237592-1, DATED 7/30/04), THENCE RUN WEST, ALONG THE NORTH RIGHT OF WAY LINE OF STONE STREET, A DISTANCE OF 156 FEET, MORE OR LESS, TO A POINT ON THE EAST RIGHT OF WAY LINE OF THE FLORIDA EAST COAST RAILWAY; THENCE SOUTHEASTERLY, ALONG SAID EAST RIGHT OF WAY LINE, A DISTANCE OF 53.5 FEET, MORE OR LESS, TO A POINT ON THE SOUTH RIGHT OF WAY LINE OF SAID STONE STREET; THENCE EAST, ALONG SAID SOUTH RIGHT OF WAY, A DISTANCE OF 160 FEET, MORE OR LESS TO AN INTERSECTION WITH THE WEST RIGHT OF WAY LINE OF U.S. HIGHWAY NO. 1 (A VARIABLE WIDTH RIGHT OF WAY) AS DEFINED BY THE AFORESAID FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAPS; THENCE NORTHWESTERLY, A DISTANCE OF 55 FEET, MORE OR LESS TO THE POINT OF BEGINNING.

DRAWN BY: RMP

CHK'D BY:

DATE: 5/19/16

JOB #: 15-160-2

SHEET 1 OF 1

PREPARED FOR & CERTIFIED TO THE EXCLUSIVE USE OF THE PARTIES LISTED BELOW AND FOR THOSE SERVICES EXPRESSED HEREON. USE OF THIS DOCUMENT BY ANY PARTY OTHER THAN THOSE LISTED OR FOR PURPOSES OTHER THAN THOSE EXPRESSED WILL BE AT THE SOLE RISK OF THAT PARTY WITHOUT LIABILITY OF ANY KIND TO THIS SURVEYOR.

SKETCH & DESCRIPTION -
RIGHT OF WAY VACATION

BISCAYA COCOA HOLDINGS, LLC

r.m. packard & assoc., inc.
surveying & mapping

197 BOUGAINVILLEA DRIVE
ROCKLEDGE, FLORIDA 32955
TEL.: (321) 632-6335

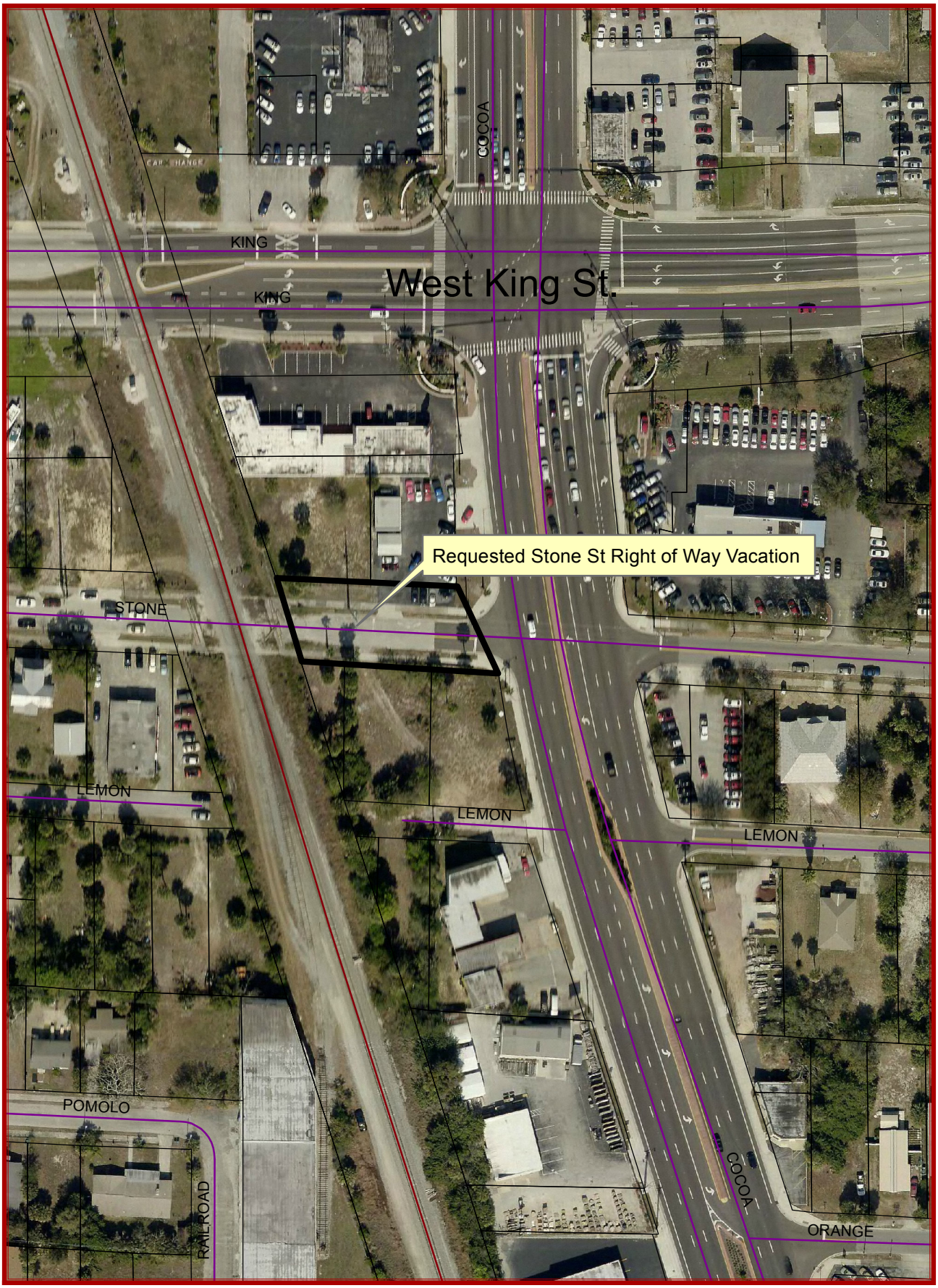
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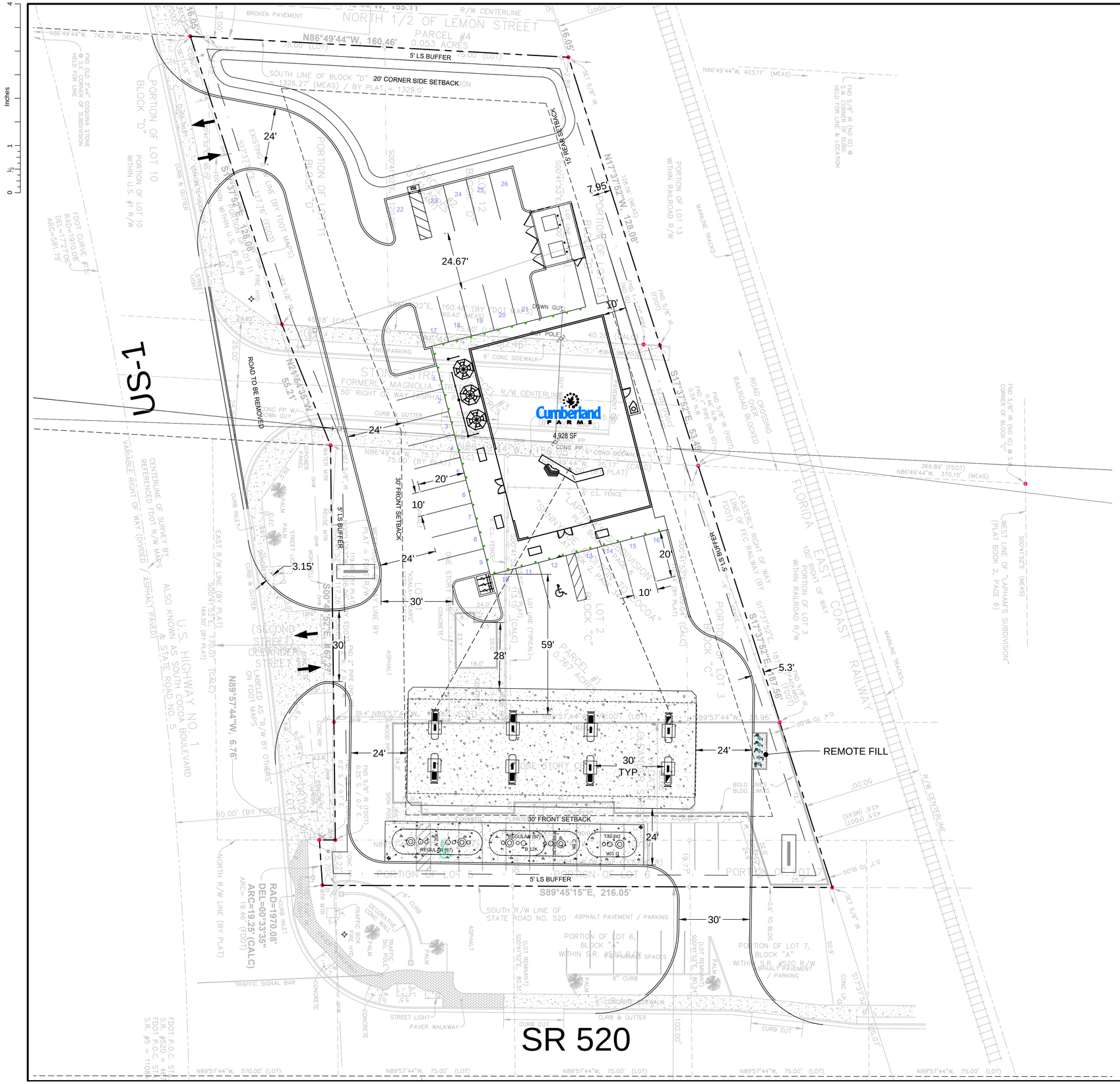
VACATION OF RIGHT OF WAY DESCRIPTION - STONE STREET:

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Stone St Right Of Way Vacation Location Map





NORTH

0 10 20 40

GRAPHIC SCALE
SCALE: 1" = 20'
HALF SIZE: 1" = 40'

SITE DATA

SITE ADDRESS:	US-1 AND SR520
JURISDICTION:	COCOA
EXISTING ZONING:	CP
SITE AREA:	1.39 AC.
SETBACKS:	
FRONT	30'
SIDE	10'
SIDE(CORNER)	20'
REAR	15' (10' ABUTTING ALLEY)
PARKING RATIO:	1/500 SF PLUS 2 EMPLOYEE (PUMPS COUNT FOR UP TO 25%) 12 REQUIRED
PARKING STALL DIMS:	10' x 20'
LANDSCAPE BUFFERS:	5'

JEFFREY LUCAS, P.E.
FLORIDA REG. NO. 71621

SIGNATURE DATE

NOTICE
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Rev.	Date	Description	By	Ch'kd	Ap'pd

Drawing Status: FOR INFORMATION
Suitability: S0

ATKINS
LOCAL OFFICE:
7175 MURRELL ROAD
MELBOURNE, FL 32940
TEL. 321.242.4942
FAX. 321.242.6101

CORPORATE OFFICE:
4030 W. BOY SCOUT BLVD
TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24

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Client: Cumberland Farms
CUMBERLAND FARMS INC.
100 CROSSING FARMS BOULEVARD
FRAMINGHAM, MA 01702

Project Title
CUMBERLAND FARMS - 520 AND US-1
COCOA, FL

Drawing Title
CONCEPTUAL SITE PLAN

Scale	Designed	Drawn	Checked	Authorized
1"=20'	--	DRD	--	--
Original Size	Date	Date	Date	Date
ARCH D	--/--/--	09/30/15	--/--/--	--/--/--

Drawing Number: C-1
Revision:

Legislation Details (With Text)

File #:	16-350	**Version:**	1	**Name:**	
Type:	Agenda			**Status:**	City Business
File created:	8/10/2016			**In control:**	City Council
On agenda:	8/23/2016			**Final action:**	
Title:	To approve the Cost Allocation Study provided by Burton and Associates by which the cost of services provided by the General Fund to both the Water/Sewer Fund and the Stormwater Fund is calculated and charged annually. (Finance Director)				
Sponsors:					
Indexes:					
Code sections:					
Attachments:	Cocoa - FY2017 Cost Allocation Study Update - Final Report 8-17-16 (2).pdf				

Date	Ver.	Action By	Action	Result

CITY COUNCIL AGENDA ITEM

Memo Date: August 10, 2016
Agenda Date: August 23, 2016
Prepared By: Lora Howell, Deputy Finance Director
Through: Teri Butler, CGFO, Finance Director
Requested Action:
To approve the Cost Allocation Study provided by Burton and Associates by which the cost of services provided by the General Fund to both the Water/Sewer Fund and the Stormwater Fund is calculated and charged annually.

BACKGROUND:

On June 12, 2012 the City Council approved the methodology developed by Burton and Associates by which the City distributes the cost of services provided by the General Fund to both the Water/Sewer Fund and the Stormwater Fund. The study was conducted in 2012 and it references that the current allocation shall be applied annually as long as the budget does not change significantly. The study also recommended that the City reassess the allocation every three to five years.

During the FY2016, the City contracted with Burton and Associates to update the allocation study and provide the City with the appropriate calculations for future budget years. The new Cost Allocation Report updated the number of full time employees and considered any department/division reorganizations which may have occurred since 2012. The new study also references an annual rate adjustment of 3% or the May Consumer Price Index for All Urban Consumers (CIP-U), whichever is higher, due to the inflationary costs for goods and services as well as any salary increases which may occur. The recommendation by Burton and Associates is to continue to update the allocation distribution every three to five years, to ensure that over time, the allocation of costs to benefitting

departments still accurately reflects the City's operations.

STRATEGIC PLAN CONNECTION:

To maintain financial sustainably in the General Fund, while providing goods and services to the Water/Sewer and Stormwater Funds.

BUDGETARY IMPACT:

The budgetary impact is included in the Cost Allocation Study attached to this agenda item.

PREVIOUS ACTION:

In June of 2012 Burton and Associates conducted their first study of the costs associated with the General Fund providing services to the Water/Sewer and Stormwater Funds. As recommended, the study has been updated calculating the current costs and number of full time employees.

RECOMMENDED MOTION:

To approve the Cost Allocation Study provided by Burton and Associates by which the cost of services provided by the General Fund to both the Water/Sewer Fund and the Stormwater Fund is calculated and charged annually.

The City of Cocoa

FY 2017 COST ALLOCATION STUDY UPDATE

Final Report

August 17, 2016

Prepared By:

BURTON & ASSOCIATES

200 Business Park Circle
Suite 101
St. Augustine, FL 32095
(904) 247-0787


COCOA
FLORIDA

BURTON & ASSOCIATES

August 17, 2016

Mr. John Titkanich
City Manager
City of Cocoa
65 Stone Street
Cocoa Florida, 32922

Re: FY 2017 Cost Allocation Study Update – Final Report

Dear Mr. Titkanich:

Burton & Associates is pleased to present this Final Report of the FY 2017 Cost Allocation Study Update that we have conducted for the City.

We appreciate the fine assistance provided by you, your staff and all of the members of City staff who participated in the analysis. If you have any questions, please do not hesitate to call me at (904) 247-0787.

Very truly yours,



Michael E. Burton
President

Burton & Associates
200 Business Park Circle, Suite 101 • St. Augustine, Florida 32095 • Phone (904) 247-0787 • Fax (904) 241-7708
E-mail: *mburton@burtonandassociates.com*

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SECTION 1. INTRODUCTION

This report presents the results of an analysis to update the cost allocation study that Burton & Associates conducted in FY 2012. In order to properly allocate costs incurred in City Organizational Units that benefit other City Organizational Units a cost allocation study must be conducted. Burton & Associates conducted such a study in FY 2012 and this report updates that analysis.

1.1 OBJECTIVE AND SCOPE

The objective of this study was to develop a cost allocation methodology and to allocate costs of City Organizational Units that provide benefit (Source Organizational Units) to other City Organizational Units (Benefitting Organizational Units), both direct and indirect benefit, to those benefitting City Organizational Units. This required identifying those Source Organizational Units that provide direct or indirect benefit to other Receiving Organizational Units.

1.2 STUDY PROCEDURES

During this study we reviewed the cost allocations of the FY 2012 Study, reviewed the current City organization and updated reports of certain cost allocation criteria used in the analysis such as full time equivalents (FTEs) per department and the Fleet Work Order Summary. We discussed the updated allocations with City staff, reported the results in summary form for inclusion in the FY 2017 budget preparation and prepared this Draft Report.

SECTION 2. ANALYSIS AND RESULTS

This section presents the basis for and the results of cost allocation analysis. The first task was to identify those Source Organizational Units that provide benefit to Benefitting Organizational Units. The second task was to identify the Benefitting Organizational Units that receive benefit, direct or indirect, from the Source Organizational Units.

2.1 SOURCE ORGANIZATIONAL UNITS

The Source Organizational Units to be allocated are those Organizational Units that provide either direct or indirect benefit to other City Organizational Units. After reviewing the City's organization and discussing the activities of Source Organizational Units with City staff, we determined that the following City Organizational Units are the Source Organizational Units.

1. City Council
2. City Manager's Office
    a. City Manager's Office
    b. Information Technology
3. Finance Department
    a. General Accounting and Purchasing
    b. Utility Accounting
4. General Operations & Emergency Disaster Services
5. Administrative Services Department
    a. Human Resources
    b. City Clerk
6. Public Works Department
    a. Fleet Maintenance
    b. Facilities Maintenance Salaries

The next step was to determine the percentage of the costs in each of the above Source Organizational Units to be included in the allocation to Benefitting Organizational Units. Based upon discussions with City staff as to the activities performed by each of the above referenced organizational units, we determined the following percentages of costs to be included in the allocation.

Percentage of Costs to be Included in the Allocation:

Source Organizational Units	Percentage of Costs Included in the Allocation
City Council	100%
City Manager's Office	100%
Information Technology	100%
General Accounting and Purchasing	100%
Utility Accounting	100%
General Operations & Emergency Disaster Services	15%
Human Resources	100%
City Clerk	100%
Fleet Maintenance	100%
Facilities Maintenance Salaries	100%

2.2 BENEFITTING ORGANIZATIONAL UNITS

The Benefitting Organizational Units are those Organizational Units that receive either direct or indirect benefit from the Source Organizational Units. After reviewing the City's organization and discussing the activities of Source Organizational Units with City staff, we determined that the following City Organizational Units are the Benefitting Organizational Units that receive benefits from the Source Organizational Units.

1. City Council
2. City Manager's Office
3. Finance Department
4. Administrative Services Department
5. Public Works Department
6. Police Department
7. Fire Department
8. Community Development Department
9. Stormwater Department
10. Water and Sewer Department

It is interesting to note that some of the Source Organizational Units are also included on the list of Benefitting Organizational Units. This is because in the evaluation of the direct and indirect benefits provided by each Source Organizational Unit, some of those Source Organizational Units

receive benefit from Source Organizational Units as well as providing benefit to Benefitting Organizational Units, so they were appropriately included in both groups of Organizational Units.

2.3 COST ALLOCATION CRITERIA

After determining the Source Organizational Units and the Benefitting Organizational Units, we next determined the appropriate criteria for allocating the costs in the Source Organizational Units to the Benefitting Organizational Units. The benefit criteria were determine to reflect the metric that was judged to be the best-fit regarding the distribution of benefit from the Source Organizational Units to the Benefitting Organizational Units. In some instances a specific allocation criteria could not be identified because the Source Organizational Unit provides overall indirect benefit to all Benefitting Organizational Units. In those instances a weighted allocation of the combined overall allocation of Source Organizational Units to Benefitting Organizational Units was used. The table below presents the allocation criteria used for the allocations.

Allocation Criteria:

Source Organizational Units	Allocation Criteria
City Council	Weighted
City Manager's Office	Weighted
Information Technology	Weighted
General Accounting and Purchasing	Total Budget
Utility Accounting	Direct to Water & Sewer
General Operations & Emergency Disaster Services	Weighted
Human Resources	Personnel –FTEs
City Clerk	Personnel –FTEs
Fleet Maintenance	Work Order Hours
Facilities Maintenance Salaries	Building Space in Sq. Ft.

2.4 COST ALLOCATION

After determining the appropriate cost allocation criteria for each Source Organizational Unit, we developed a Summary Cost Allocation Spreadsheet to determine the amount of total costs that each Benefitting Organizational Unit receives from the Source Organizational Units. The Summary Cost Allocation Spreadsheet is presented in the chart on the second following page and the Detailed Cost Allocation Spreadsheet which supports the Summary Cost Allocation Spreadsheet is presented in the Appendix.

2.5 ANNUAL ADJUSTMENT

Each year all departments of the City will experience inflationary increases in costs, including increases in the costs of purchased goods and services and salary increases. In order for the Cost Allocation results to more accurately reflect the costs being allocated to the benefitting departments, we recommend adoption of an annual adjustment equal to the Consumer Price Index for All Urban Consumers (CPI-U), May or 3%, whichever is higher, to account for these increases in costs. However, because the actual costs may increase a different rate, we also recommend that if this annual adjustment is adopted, it be coupled with the requirement that this Cost Allocation Analysis be updated every four to five years to ensure that over time the allocation of costs to benefitting departments is accurate.

	Organizational Units to be Allocated (Source Organizational Units)									
	City Council	City Manager's Office	General Accounting & Purchasing	Utility Accounting	General Operations & Emergency Disaster Svs	Human Resources	Information Technology	Fleet Maint.	Facilities Maintenance Salaries	Total
Total Budget	$101,998	$484,946	$1,154,451	$1,712,176	$6,115,284	$423,464	$1,974,024	$532,718	$358,704	$12,857,765
Costs to be Allocated	$101,998	$484,946	$1,154,451	$1,712,176	$932,126	$423,464	$1,828,454	$532,718	$358,704	$7,774,865
Allocation Criteria	WTD	WTD	Total Budget	Direct	WTD	Personnel	WTD	WO Hours	Space	
Organizational Units Receiving an Allocation (Benefitting Organizational Units):										
City Council										
Apportionment Percentage	0.49%	0.49%	0.07%	0.00%	0.49%	1.13%	0.49%	0.00%	4.17%	0.49%
Apportionment Amount	$502	$2,389	$856	$0	$4,592	$4,780	$9,008	$0	$14,965	$40,053
City Manager's Office										
Apportionment Percentage	1.23%	1.23%	1.79%	0.00%	1.23%	3.42%	1.23%	0.23%	4.17%	1.23%
Apportionment Amount	$1,252	$5,952	$20,634	$0	$11,441	$14,482	$22,443	$1,243	$14,965	$101,383
Finance Department										
Apportionment Percentage	2.34%	2.34%	2.08%	0.00%	2.34%	8.58%	2.34%	0.00%	10.43%	2.34%
Apportionment Amount	$2,385	$11,341	$24,055	$0	$21,799	$36,324	$42,762	$0	$37,413	$198,581
Administrative Services Department										
Apportionment Percentage	0.95%	0.95%	1.98%	0.00%	0.95%	2.48%	0.95%	0.28%	1.31%	0.95%
Apportionment Amount	$965	$4,588	$22,861	$0	$8,819	$10,515	$17,300	$1,471	$4,717	$77,750
Public Works Department										
Apportionment Percentage	6.68%	6.68%	6.29%	0.00%	6.68%	11.51%	6.68%	8.33%	31.66%	6.68%
Apportionment Amount	$6,812	$32,386	$72,605	$0	$62,251	$48,751	$122,111	$44,350	$113,552	$533,016
Police Department										
Apportionment Percentage	11.40%	11.40%	7.29%	0.00%	11.40%	23.70%	11.40%	42.83%	17.84%	11.40%
Apportionment Amount	$11,627	$55,281	$84,152	$0	$106,257	$100,370	$208,434	$228,151	$63,998	$920,444
Fire Department										
Apportionment Percentage	3.85%	3.85%	4.25%	0.00%	3.85%	10.16%	3.85%	7.28%	8.39%	3.85%
Apportionment Amount	$3,927	$18,670	$49,096	$0	$35,886	$43,016	$70,394	$38,781	$30,093	$316,509
Community Development										
Apportionment Percentage	1.64%	1.64%	1.85%	0.00%	1.64%	6.29%	1.64%	1.10%	4.17%	1.64%
Apportionment Amount	$1,677	$7,975	$21,333	$0	$15,329	$26,622	$30,069	$5,845	$14,965	$123,815
Stormwater Department										
Apportionment Percentage	1.14%	1.14%	2.03%	0.00%	1.14%	1.13%	1.14%	3.36%	0.45%	1.14%
Apportionment Amount	$1,165	$5,537	$23,475	$0	$10,643	$4,780	$20,877	$17,887	$1,603	$88,927
Water/Sewer Department										
Apportionment Percentage	70.28%	70.28%	72.36%	100.00%	70.28%	31.60%	70.28%	36.60%	17.41%	70.28%
Apportionment Amount	$71,685	$340,825	$835,385	$1,712,176	$655,108	$133,826	$1,285,057	$194,991	$62,434	$5,374,389
Total										
Apportionment Percentage	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Apportionment Amount	$101,998	$484,946	$1,154,451	$1,712,176	$932,126	$423,464	$1,828,454	$532,718	$358,704	$7,774,865

SECTION 3. APPENDIX

This section presents the Detailed Cost Allocation Spreadsheet supporting the Summary Cost Allocation Spreadsheet presented in Section 2.

City of Cocoa
Cost Allocation Analysis

BURTON & ASSOCIATES

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
				Departments to be Allocated										
					City Manager's Office		Finance Department			Administrative Services Department		Public Works Department		
				City Council	City Manager's Office	Information Technology	General Accounting & Purchasing	Utility Accounting	General Operations & Emergency Disaster Svs	Human Resources	City Clerk	Fleet Maint.	Facilities Maintenance Salaries	Total
			Total Budget	$101,998	$484,946	$1,974,024	$1,154,451	$1,712,176	$6,115,284	$423,464	$245,828	$532,718	$358,704	$13,103,593
			Percent to be Allocated	100%	100%	93%	100%	100%	15%	100%	100%	100%	100%	
	Departments Receiving		Costs to be Allocated	$101,998	$484,946	$1,828,454	$1,154,451	$1,712,176	$932,126	$423,464	$245,828	$532,718	$358,704	$7,774,865
	Cost Allocations	Dept Info	Allocation Criteria	WTD	WTD	WTD	Total Budget	Direct	WTD	Personnel	Personnel	WO Hours	Space	
1	**City Council**													
2	Personnel	5												
3	Personnel Budget	$30,600												
4	Total Budget	$101,998												
5	Criteria Value			NA	NA	NA	$101,998	$0	NA	5	5	0	6,720	$20,600
6	Allocation Percent			0.49%	0.49%	0.49%	0.07%	0.00%	0.49%	1.13%	1.20%	0.00%	4.17%	0.49%
7	Allocation Amount			$502	$2,389	$9,008	$856	$0	$4,592	$4,780	$2,961	$0	$14,965	$40,053
8	**City Manager's Office**													
9	Personnel	15.15												
10	Personnel Budget	$684,455												
11	Total Budget	$2,458,970												
12	Criteria Value			NA	NA	NA	$2,458,970	$0	NA	15.15	15.15	54	6,720	$51,324
13	Allocation Percent			1.23%	1.23%	1.23%	1.79%	0.00%	1.23%	3.42%	3.65%	0.23%	4.17%	1.23%
14	Allocation Amount			$1,252	$5,952	$22,443	$20,634	$0	$11,441	$14,482	$8,971	$1,243	$14,965	$101,383
15	**Finance Department**													
16	Personnel	38												
17	Personnel Budget	$1,371,669												
18	Total Budget	$2,866,627												
19	Criteria Value			NA	NA	NA	$2,866,627	$0	NA	38	38	0	16,800	$97,792
20	Allocation Percent			2.34%	2.34%	2.34%	2.08%	0.00%	2.34%	8.58%	9.15%	0.00%	10.43%	2.34%
21	Allocation Amount			$2,385	$11,341	$42,762	$24,055	$0	$21,799	$36,324	$22,501	$0	$37,413	$198,581
22	**Administrative Services Department**													
23	Personnel	11												
24	Personnel Budget	$1,288,734												
25	Total Budget	$2,724,320												
26	Criteria Value			NA	NA	NA	$2,724,320	$0	NA	11	11	63	2,118	$39,563
27	Allocation Percent			0.95%	0.95%	0.95%	1.98%	0.00%	0.95%	2.48%	2.65%	0.28%	1.31%	0.95%
28	Allocation Amount			$965	$4,588	$17,300	$22,861	$0	$8,819	$10,515	$6,514	$1,471	$4,717	$77,750
29	**Public Works Department**													
30	Personnel	51												
31	Personnel Budget	$1,335,525												
32	Total Budget	$8,652,216												
33	Criteria Value			NA	NA	NA	$8,652,216	$0	NA	51	51	1,910	50,990	$279,257
34	Allocation Percent			6.68%	6.68%	6.68%	6.29%	0.00%	6.68%	11.51%	12.28%	8.33%	31.66%	6.68%
35	Allocation Amount			$6,812	$32,386	$122,111	$72,605	$0	$62,251	$48,751	$30,199	$44,350	$113,552	$533,016
36	**Police Department**													
37	Personnel	105												
38	Personnel Budget	$3,892,553												
39	Total Budget	$10,028,258												
40	Criteria Value			NA	NA	NA	$10,028,258	$0	NA	105	105	9,825	28,738	$476,670
41	Allocation Percent			11.40%	11.40%	11.40%	7.29%	0.00%	11.40%	23.70%	25.29%	42.83%	17.84%	11.40%
42	Allocation Amount			$11,627	$55,281	$208,434	$84,152	$0	$106,257	$100,370	$62,175	$228,151	$63,998	$920,444

City of Cocoa
Cost Allocation Analysis

BURTON & ASSOCIATES

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
				Departments to be Allocated										
					City Manager's Office		Finance Department			Administrative Services Department		Public Works Department		
				City Council	City Manager's Office	Information Technology	General Accounting & Purchasing	Utility Accounting	General Operations & Emergency Disaster Svs	Human Resources	City Clerk	Fleet Maint.	Facilities Maintenance Salaries	Total
			Total Budget	$101,998	$484,946	$1,974,024	$1,154,451	$1,712,176	$6,115,284	$423,464	$245,828	$532,718	$358,704	$13,103,593
			Percent to be Allocated	100%	100%	93%	100%	100%	15%	100%	100%	100%	100%	
	Departments Receiving		Costs to be Allocated	$101,998	$484,946	$1,828,454	$1,154,451	$1,712,176	$932,126	$423,464	$245,828	$532,718	$358,704	$7,774,865
	Cost Allocations	Dept Info	Allocation Criteria	WTD	WTD	WTD	Total Budget	Direct	WTD	Personnel	Personnel	WO Hours	Space	
43	**Fire Department**													
44	Personnel	45												
45	Personnel Budget	$2,111,192												
46	Total Budget	$5,850,699												
47	Criteria Value			NA	NA	NA	$5,850,699	$0	NA	45	45	1,670	13,513	$160,985
48	Allocation Percent			3.85%	3.85%	3.85%	4.25%	0.00%	3.85%	10.16%	10.84%	7.28%	8.39%	3.85%
49	Allocation Amount			$3,927	$18,670	$70,394	$49,096	$0	$35,886	$43,016	$26,646	$38,781	$30,093	$316,509
50	**Community Development**													
51	Personnel	27.85												
52	Personnel Budget	$1,005,392												
53	Total Budget	$2,542,199												
54	Criteria Value			NA	NA	NA	$2,542,199	$0	NA	27.85	0	252	6,720	$68,765
55	Allocation Percent			1.64%	1.64%	1.64%	1.85%	0.00%	1.64%	6.29%	0.00%	1.10%	4.17%	1.64%
56	Allocation Amount			$1,677	$7,975	$30,069	$21,333	$0	$15,329	$26,622	$0	$5,845	$14,965	$123,815
57	**Stormwater Department**													
58	Personnel	5												
59	Personnel Budget	$284,902												
60	Total Budget	$2,797,435												
61	Criteria Value			NA	NA	NA	$2,797,435	$0	NA	5	5	770	720	$47,744
62	Allocation Percent			1.14%	1.14%	1.14%	2.03%	0.00%	1.14%	1.13%	1.20%	3.36%	0.45%	1.14%
63	Allocation Amount			$1,165	$5,537	$20,877	$23,475	$0	$10,643	$4,780	$2,961	$17,887	$1,603	$88,927
64	**Water/Sewer Department**													
65	Personnel	140												
66	Personnel Budget	$13,330,052												
67	Total Budget	$99,551,915												
68	Criteria Value			NA	NA	NA	$99,551,915	$1,712,176	NA	140	140	8,397	28,036	$2,938,813
69	Allocation Percent			70.28%	70.28%	70.28%	72.36%	100.00%	70.28%	31.60%	33.72%	36.60%	17.41%	70.28%
70	Allocation Amount			$71,685	$340,825	$1,285,057	$835,385	$1,712,176	$655,108	$133,826	$82,900	$194,991	$62,434	$5,374,389
71	**Total**													
72	Personnel	443												
73	Personnel Budget	$25,335,074												
74	Total Budget	$137,574,637												
75	Criteria Value						$137,574,637	$1,712,176		443	415.15	22,941	161,075	$4,181,513
76	Allocation Percent			100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
77	Allocation Amount			$101,998	$484,946	$1,828,454	$1,154,451	$1,712,176	$932,126	$423,464	$245,828	$532,718	$358,704	$7,774,865
78	**Variance Check:**													
79	Target			$101,998	$484,946	$1,828,454	$1,154,451	$1,712,176	$932,126	$423,464	$245,828	$532,718	$358,704	$7,774,865
80	Variance			$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

Legislation Details (With Text)

File #:	16-351	**Version:**	1	**Name:**	
Type:	Report			**Status:**	City Business
File created:	8/10/2016			**In control:**	City Council
On agenda:	8/23/2016			**Final action:**	
Title:	Approve entering into a co-operative purchase agreement with Goodson Paving (DBA WWG) utilizing Brevard County Bid # B-4-15-02 in the amount of $122,348.80 for the repair and reconstruction of sidewalks, curb, ADA curb ramps and sidewalks as it relates to the reconstruction of the Fiske Blvd project # PWPAVE; Approve the budget transfer and approve the budget resolution amending the 2016 budget. (Public Works Director)				
Sponsors:					
Indexes:					
Code sections:					
Attachments:	CONCRETE BID TAB WWG PROPOSAL 8-4-16 WWG CONCRETE RENEWAL Budget Resolution FY 2016 August 23 2016 BAF-PW-3510-Fiske (8-23-16)- Agenda 16-351.pdf				

Date	Ver.	Action By	Action	Result

CITY COUNCIL AGENDA ITEM

Memo Date: August 10, 2016
Agenda Date: August 23, 2016
Prepared By: Michael Giorgio, Division Manager
Through: Everett Wegerif P.E. Public Works Director / City Engineer
Requested Action:
Approve entering into a co-operative purchase agreement with Goodson Paving (DBA WWG) utilizing Brevard County Bid # B-4-15-02 in the amount of $122,350 for the repair and reconstruction of sidewalks, curb, ADA curb ramps and sidewalks as it relates to the reconstruction of the Fiske Blvd project # PWPAVE. Approve the budget transfer and approve the budget resolution amending the 2016 budget, using General Fund Reserves.

BACKGROUND:

Fiske Blvd is an Urban Minor Arterial road that has 8260 vehicles per day traveling on it. Vehicles include automobiles, trucks and buses. Included in the scope of the project to reconstruct Fiske Blvd is a Full Depth Reclamation of the roadway itself as well as repair and reconstruction of sidewalks, curb, curb inlets, driveway aprons and ADA Compliant curb ramps.

STRATEGIC PLAN CONNECTION:

Reconstruction of Fiske Blvd. is an action item within the strategic plan as identified within the community development (redevelopment of the City's core) strategic issue. A neighborhood improvement plan is being developed for the Fiske Corridor that is targeted at addressing the neighborhood conditions due to a long period of disinvestment and decline. The condition of Fiske Blvd, specifically the roadway and sidewalks, is a central component of the items being considered for the plan. The reconstruction of Fiske Blvd. is the catalytic project within the Fiske Neighborhood Improvement Plan.

BUDGETARY IMPACT:

Budgeted	No
If not budgeted, is amendment/transfer attached?	Yes

Amount Requested	$122,350
Account Number	001-0000-389.99-50
Account Name	General Fund Reserves

Amount Requested	$122,350
Account Number	001-3510-541.63-00 PWPAVE
Account Name	Capital Infrastructure

PREVIOUS ACTION:

Council has previously approved Goodson Paving (DBA WWG) for paving and striping of Fiske Blvd.

RECOMMENDED MOTION:

Approve entering into a co-operative purchase agreement with Goodson Paving (DBA WWG) utilizing Brevard County Bid # B-4-15-02 in the amount of $122,350 for the repair and reconstruction of sidewalks, curb, ADA curb ramps and sidewalks as it relates to the reconstruction of the Fiske Blvd project # PWPAVE. Approve the budget transfer and approve the budget resolution amending the 2016 budget, using General Fund Reserves.

Bid Tabulation

Bid Title: Concrete Sidewalk, Curb & Gutter Construction
Bid No: B-4-15-02
Opening Date & Time: August 25, 2014 @ 2:00 p.m.
Posting Date & Time: 8/28/14 @ 1:30 p.m. - 9/4/14 @ 5:00 p.m.

			G. Batista & Associates		Goodson Paving		Volusia General Contractors		Archangel Engineering		PAVCO		Design Build Engineers		RMS Constructors		CM Engineering Services	
	Quantity	Unit	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
Palm Bay Road Box Culvert Project																		
1. Poured in Place	45	cy	$ 500.00	$ 22,500.00	$ 785.00	$ 35,325.00	$ 650.00	$ 29,250.00	$ 850.00	$ 38,250.00	$ 950.00	$ 42,750.00	$1,000.00	$ 45,000.00	$ 600.00	$ 27,000.00	$1,000.00	$ 45,000.00
2. Curb type F	1000	feet	$ 11.50	$ 11,500.00	$ 12.10	$ 12,100.00	$ 16.00	$ 16,000.00	$ 18.00	$ 18,000.00	$ 19.75	$ 19,750.00	$ 25.00	$ 25,000.00	$ 35.00	$ 35,000.00	$ 60.00	$ 60,000.00
3. 6" concrete sidewalk	600	sy	$ 33.00	$ 19,800.00	$ 33.90	$ 20,340.00	$ 30.00	$ 18,000.00	$ 38.00	$ 22,800.00	$ 44.95	$ 26,970.00	$ 45.00	$ 27,000.00	$ 50.00	$ 30,000.00	$ 300.00	$ 180,000.00
4. 12" thick truncated domes	10	sy	$ 65.00	$ 650.00	$ 345.00	$ 3,450.00	$ 275.00	$ 2,750.00	$ 200.00	$ 2,000.00	$ 250.00	$ 2,500.00	$ 65.00	$ 650.00	$ 150.00	$ 1,500.00	$ 667.00	$ 6,670.00
Norfolk Road Construction																		
1. 18" mitered end section	1	each	$ 460.00	$ 460.00	$ 492.00	$ 492.00	$ 450.00	$ 450.00	$ 850.00	$ 850.00	$ 350.00	$ 350.00	$1,500.00	$ 1,500.00	$1,500.00	$ 1,500.00	$ 900.00	$ 900.00
2. 6" concrete sidewalk	693	sy	$ 33.00	$ 22,869.00	$ 33.90	$ 23,492.70	$ 30.00	$ 20,790.00	$ 38.00	$ 26,334.00	$ 44.95	$ 31,150.35	$ 45.00	$ 31,185.00	$ 50.00	$ 34,650.00	$ 300.00	$ 207,900.00
3. Curb type F	1244	feet	$ 11.50	$ 14,306.00	$ 12.10	$ 15,052.40	$ 16.00	$ 19,904.00	$ 18.00	$ 22,392.00	$ 19.75	$ 24,569.00	$ 25.00	$ 31,100.00	$ 35.00	$ 43,540.00	$ 60.00	$ 74,640.00
River Road Circle Road Reconstruct.																		
1. Curb inlet top - Type II	5	each	$1,300.00	$ 6,500.00	$1,290.00	$ 6,450.00	$4,000.00	$ 20,000.00	$1,300.00	$ 6,500.00	$1,000.00	$ 5,000.00	$1,500.00	$ 7,500.00	$3,500.00	$ 17,500.00	$1,300.00	$ 6,500.00
2. Drop curb (2 feet)	3800	feet	$ 10.10	$ 38,380.00	$ 10.72	$ 40,736.00	$ 12.50	$ 47,500.00	$ 14.50	$ 55,100.00	$ 19.75	$ 75,050.00	$ 25.00	$ 95,000.00	$ 40.00	$ 152,000.00	$ 60.00	$ 228,000.00
3. Poured in place	1	cy	$ 500.00	$ 500.00	$ 785.00	$ 785.00	$ 650.00	$ 650.00	$ 850.00	$ 850.00	$ 950.00	$ 950.00	$1,000.00	$ 1,000.00	$ 600.00	$ 600.00	$1,000.00	$ 1,000.00
Brevard County Zoo Parking Lot																		
1. Curb type F	830	feet	$ 11.50	$ 9,545.00	$ 12.10	$ 10,043.00	$ 16.00	$ 13,280.00	$ 18.00	$ 14,940.00	$ 19.75	$ 16,392.50	$ 25.00	$ 20,750.00	$ 35.00	$ 29,050.00	$ 60.00	$ 49,800.00
2. 6" concrete sidewalk	560	sy	$ 33.00	$ 18,480.00	$ 33.90	$ 18,984.00	$ 30.00	$ 16,800.00	$ 38.00	$ 21,280.00	$ 44.95	$ 25,172.00	$ 45.00	$ 25,200.00	$ 50.00	$ 28,000.00	$ 300.00	$ 168,000.00
3. 12" thick trucated domes	5	sy	$ 65.00	$ 325.00	$ 345.00	$ 1,725.00	$ 275.00	$ 1,375.00	$ 200.00	$ 1,000.00	$ 250.00	$ 1,250.00	$ 65.00	$ 325.00	$ 150.00	$ 750.00	$ 667.00	$ 3,335.00
4. Curb type A	60	feet	$ 9.50	$ 570.00	$ 10.24	$ 614.40	$ 13.50	$ 810.00	$ 12.65	$ 759.00	$ 12.00	$ 720.00	$ 25.00	$ 1,500.00	$ 22.00	$ 1,320.00	$ 60.00	$ 3,600.00
HHWF Sarno Landfill																		
1. Curb type D	1040	feet	$ 8.30	$ 8,632.00	$ 9.90	$ 10,296.00	$ 12.50	$ 13,000.00	$ 13.50	$ 14,040.00	$ 12.00	$ 12,480.00	$ 25.00	$ 26,000.00	$ 25.00	$ 26,000.00	$ 52.50	$ 54,600.00
2. 6" concrete sidewalk	920	sy	$ 33.00	$ 30,360.00	$ 33.90	$ 31,188.00	$ 30.00	$ 27,600.00	$ 38.00	$ 34,960.00	$ 44.95	$ 41,354.00	$ 45.00	$ 41,400.00	$ 50.00	$ 46,000.00	$ 300.00	$ 276,000.00
3. 24" mitered end section	1	each	$ 500.00	$ 500.00	$ 540.00	$ 540.00	$ 500.00	$ 500.00	$1,250.00	$ 1,250.00	$ 350.00	$ 350.00	$2,000.00	$ 2,000.00	$2,000.00	$ 2,000.00	$ 975.00	$ 975.00
3. 36" mitered end section	1	each	$ 790.00	$ 790.00	$ 840.00	$ 840.00	$ 600.00	$ 600.00	$2,100.00	$ 2,100.00	$ 600.00	$ 600.00	$3,000.00	$ 3,000.00	$3,500.00	$ 3,500.00	$1,125.00	$ 1,125.00
Total:				$ 206,667.00		*$ 232,453.50*		$ 249,259.00		$ 283,405.00		$ 327,357.85		$ 385,110.00		$ 479,910.00		$ 1,368,045.00

Intended Award: **Primary - G. Batista & Associates**
Secondary - Goodson Paving

Brevard County encourages prompt and fair handling of all complaints and disputes with the business community. Filing of any disputes and appeals shall be in accordance with procedures specified in bid documents.

B-4-15-02 - Price Sheet

CONCRETE SIDEWALK CONSTRUCTION, CURB & GUTTER

ITEM #	Description	G. Batista & Assoc.	Goodson Paving	Volusia General	Archangel Engineering	Pavco	Design Build Engineers	RMS Constructors	CM Engineering
	GROUP A - Price by square yard								
1	CONCRETE SIDEWALK CONSTRUCTION-3000 P.S.I. (4" Fiber)/D.O.T. SPECIFICATIONS	$ 24.00	$ 27.45	$ 25.00	$ 28.35	$ 37.33	$ 40.00	$ 45.00	$ 193.00
2	CONCRETE SIDEWALK CONSTRUCTION-3000 P.S.I. (6" Fiber)/D.O.T. SPECIFICATIONS square yard price to include concrete driveway aprons construction	$ 33.00	$ 33.90	$ 30.00	$ 38.00	$ 44.95	$ 45.00	$ 50.00	$ 300.00
3	12" thick sidewalk per sq. yard to include Truncated Domes (Armor Tile) per ADA	$ 65.00	$ 345.00	$ 275.00	$ 200.00	$ 250.00	$ 65.00	$ 150.00	$ 667.00
4	Reinforced 8" Slab w/footer per SY (See Sketch Attached)	$ 58.00	$ 88.92	$ 125.00	$ 65.00	$ 145.00	$ 60.00	$ 65.00	$ 700.00
	GROUP B - price by the linear foot								
	CONCRETE CURB - INDEX 300/D.O.T. SPECIFICATIONS								
5	Type A	$ 9.50	$ 10.24	$ 13.50	$ 12.65	$ 12.00	$ 25.00	$ 22.00	$ 60.00
6	Type B	$ 8.10	$ 9.80	$ 12.50	$ 12.35	$ 12.00	$ 25.00	$ 22.00	$ 52.50
7	Type D/Header	$ 8.30	$ 9.90	$ 12.50	$ 13.50	$ 12.00	$ 25.00	$ 25.00	$ 52.50
8	Type E	$ 13.20	$ 13.25	$ 15.00	$ 13.65	$ 19.75	$ 25.00	$ 30.00	$ 60.00
9	Type F	$ 11.50	$ 12.10	$ 16.00	$ 18.00	$ 19.75	$ 25.00	$ 35.00	$ 60.00
10	Drop Curb (2.0 feet wide)	$ 10.10	$ 10.72	$ 12.50	$ 14.50	$ 19.75	$ 25.00	$ 40.00	$ 60.00
11	6"x6" Curb Poured On Existing Surface	$ 6.00	$ 7.05	$ 7.50	$ 9.50	$ 10.00	$ 25.00	$ 20.00	$ 301.50
12	Environmental Curb	$ 7.50	$ 8.10	$ 17.50	$ 13.65	$ 12.00	$ 25.00	$ 25.00	$ 125.00
	SHOULDER GUTTER - INDEX 300/D.O.T. SPECIFICATIONS								
13	3.5 Feet Wide	$ 19.60	$ 19.80	$ 17.50	$ 23.50	$ 25.00	$ 30.00	$ 45.00	$ 60.00
	VALLEY GUTTER - INDEX 300/D.O.T. SPECIFICATIONS								
14	3.5 Feet Wide	$ 20.10	$ 19.20	$ 20.00	$ 26.50	$ 25.00	$ 30.00	$ 45.00	$ 60.00
	GROUP C (Pre-fab cannot be used)								
	CURB INLET TOPS (New form and pour) per FDOT Index 210								
15	Type I	$ 1,000.00	$ 1,300.00	$ 3,000.00	$ 1,000.00	$ 1,000.00	$ 1,250.00	$ 3,500.00	$ 1,300.00
16	Type II	$ 1,300.00	$ 1,290.00	$ 4,000.00	$ 1,300.00	$ 1,000.00	$ 1,500.00	$ 3,500.00	$ 1,300.00
17	Type III	$ 1,180.00	$ 1,225.00	$ 2,500.00	$ 1,750.00	$ 1,200.00	$ 1,500.00	$ 4,500.00	$ 1,300.00
18	Type IV	$ 1,660.00	$ 1,475.00	$ 3,500.00	$ 2,100.00	$ 1,000.00	$ 1,750.00	$ 5,000.00	$ 1,300.00
19	Type V	$ 1,820.00	$ 1,865.00	$ 2,500.00	$ 2,500.00	$ 1,000.00	$ 1,750.00	$ 5,500.00	$ 1,300.00
20	Type VI	$ 1,700.00	$ 1,810.00	$ 4,000.00	$ 2,800.00	$ 1,000.00	$ 2,000.00	$ 5,500.00	$ 1,900.00
	GROUP D - Price by linear foot unless otherwise stated								
21	Aluminum Handrail - 2 rails high	$ 31.50	$ 54.65	$ 20.00	$ 31.50	$ 75.00	$ 60.00	$ 125.00	$ 240.00
22	Aluminum Handrail - 3 rails high	$ 35.00	$ 59.45	$ 28.50	$ 35.70	$ 75.00	$ 70.00	$ 175.00	$ 250.00
	Mitered end sections poured in field per FDOT Index 273 less bars: (Price by Each, less pipe)								
23	15" or equiv.	$ 310.00	$ 360.00	$ 450.00	$ 650.00	$ 350.00	$ 1,000.00	$ 1,000.00	$ 862.50
24	18" or equiv.	$ 460.00	$ 492.00	$ 450.00	$ 850.00	$ 350.00	$ 1,500.00	$ 1,500.00	$ 900.00
25	24" or equiv.	$ 500.00	$ 540.00	$ 500.00	$ 1,250.00	$ 350.00	$ 2,000.00	$ 2,000.00	$ 975.00
26	30" or equiv.	$ 560.00	$ 610.00	$ 500.00	$ 1,400.00	$ 500.00	$ 2,500.00	$ 2,500.00	$ 1,050.00
27	36" or equiv.	$ 790.00	$ 840.00	$ 600.00	$ 2,100.00	$ 600.00	$ 3,000.00	$ 3,500.00	$ 1,125.00
28	42" or equiv.	$ 810.00	$ 875.00	$ 600.00	$ 2,580.00	$ 700.00	$ 3,500.00	$ 5,000.00	$ 1,200.00
29	48" or equiv.	$ 1,100.00	$ 1,080.00	$ 650.00	$ 2,880.00	$ 800.00	$ 4,000.00	$ 5,500.00	$ 1,275.00
	GROUP E - Cost per cubic yard								
30	Poured in place structures (Anything in DOT Index 200)	$ 500.00	$ 785.00	$ 650.00	$ 850.00	$ 950.00	$ 1,000.00	$ 600.00	$ 1,000.00

WWG Asphalt

Good IV TLC, Inc.
P.O. Box 560559
Rockledge, Fl. 32955

Telephone (321) 632-4340 / Fax (321) 631-9241

July 27, 2016

TO: City of Cocoa Public Works

ATTN: Mike Giorgio

FROM: Chris Brunais

RE: Fiske Boulevard Milling & Paving (#6538)

PROPOSAL

Scope of Work:
Milling and paving with SP-12.5 asphalt on Fiske Boulevard located in Cocoa, FL. This estimate is based on field measured quantities. Payment for these items of work will be made on actual construction quantities determined upon completion of work.

Milling & Paving			
Priming	14,172 SY @ $0.70	=$ 9,920.4	MGM
Pave w/2.0" SP-12.5	1,630 TN @ $75.87	=$123,668.10	61834.05
Temp Striping (Double Yellow, Solid White including bike paths, Arrows, Ped. Crossing,			
School Markings, Stop Bars)	1 LS @ $5,600.00	=$ 5,600.00	MGM
Thermoplastic Striping	1 LS @ $29,500.00	=$ 29,500.00	29,500.00
Concrete Work			
Curb Demo	1,352 LF @ $6.75	=$ 9,126.00	
New Curb	1,352 LF @ $15.25	=$ 20,618.00	
Sidewalk Demo	945 SF @ $3.50	=$ 3,307.50	
New Sidewalk	945 SF @ $4.70	=$ 4,441.50	
Apron Demo	3,269 SF @ $3.50	=$ 11,441.50	
New Aprons	3,269 SF @ $4.70	=$ 15,364.30	
ADA Ramp Demo	1,000 SF @ $5.50	=$ 5,500.00	
New ADA Ramps	1,000 SF @ $40.55	=$ 40,550.00	
Basin Top Demo	6 EA @ $750.00	=$ 4,500.00	
New Basin Tops	6 EA @ $1,250.00	=$ 7,500.00	
	TOTAL	~~=$291,037.30~~	MGM 199,703.25

Brevard COUNTY
Central Services

Florida's Space Coast

Purchasing Services
2725 Judge Fran Jamieson Way, Suite C303
Viera, FL 32940

Telephone (321) 617-7390
Facsimile (321) 617-7391

July 1, 2015

Mr. Philip Stiffler
Goodson Paving, Inc.
630 Cidco Road
Cocoa, FL 32926
Email: goodsonpaving@bellsouth.net

Dear Mr. Stiffler:

This letter is to notify you of the intent to renew **B-4-15-02, Concrete Sidewalk Curb & Gutter.** The effective dates of this renewal will be **10/01/15** to **09/30/16**.

If Goodson Paving, Inc. is interested in continuing this bid for an additional one (1) year under the same terms, prices and conditions, please respond by signing to the understanding of the renewal for B-4-15-02, Concrete Sidewalk Curb & Gutter. A new purchase order will be issued to you to cover the renewal period, if so agreed upon.

I, PHILIP STIFFLER-VICE PRESIDENT, of GOODSON PAVING, INC. **agree to** renew subject contract through 09/30/16, under the same terms, pricing and conditions.

If Goodson Paving, Inc. is not interested in renewing this contract, please complete and sign the following statement;

I, _____, of _____ **do not agree** to renew subject contract.

Philip Stiff - VICE PRESIDENT
Authorized Vendor Signature

7/9/15
Date

If renewing, you are required to submit your updated insurance certifications naming the Board of County Commissioners as the other insured. These certificates are required to be returned with your acceptance of this notice. Brevard County reserves the right to re-bid all items on this bid if extensions are not received on all items.

Brevard County looks forward to continuing this relationship with your company. As always, if you have any questions, please feel free to contact Jon McLester, PA at (321) 617-7390. You can fax your response to (321) 617-7391 or email Karen DiNatale at karen.dinatale@brevardcounty.us. Your attention to this matter is greatly appreciated.

Sincerely,

Leslie Rothering
Leslie Rothering, Manager
Purchasing Services

PA

RESOLUTION NO. 2016-90

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF COCOA, FLORIDA, AMENDING THE CITY OF COCOA BUDGET FOR FISCAL YEAR 2016; PROVIDING FOR THE REPEAL OF PRIOR INCONSISTENT RESOLUTIONS; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City Council of the City of Cocoa adopted the final budget for the fiscal year commencing on October 1, 2015, and ending on September 30, 2016, at a regular meeting held on September 22, 2015; and

WHEREAS, in accordance with Article XII, Section 5 of the City of Cocoa Charter, whereby the Council may, at any time by resolution, transfer any unused and unencumbered appropriation or portion thereof from one office or department to another; and

WHEREAS, the City Council deems it to be in the best interest of the City of Cocoa to amend its budget as provided in this resolution.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF COCOA, as follows:

SECTION 1. The 2015-2016 fiscal year budget shall be amended as detailed in the attached sheets.

SECTION 2. All prior resolutions or prior resolutions inconsistent with this resolution are hereby repealed to the extent of the conflict.

SECTION 3. This resolution shall become effective immediately upon its adoption by the City Council of the City of Cocoa, Florida.

ADOPTED by the City Council of the City of Cocoa, Florida, in a regular meeting assembled on the 23rd day of August, 2016.

_____
Henry U. Parrish III, Mayor

ATTEST:

_____
Carie Shealy, City Clerk

City of Cocoa Budget Adjustment Form FY 2016

SELECT ADJUSTMENT TYPE: BUDGET AMENDMENT | REQUESTING DEPARTMENT #: PW/3510 | DATE PREPARED: 08/10/16

'REVENUE' ACCOUNT(S)

ADJUSTMENT AMOUNT	ACCOUNT NUMBER	PROJECT NUMBER	ACCOUNT NAME	ORIGINAL BUDGET	AMENDED BUDGET	ADJUSTED BUDGET	UNENCUMBERED BALANCE
$ 122,350	001-0000-389.99-50		General Fund Reserve	$ 6,081,630	$ 7,155,792	$ 7,278,142	$ 7,033,442
$ 0				$ 0	$ 0	$ 0	$ 0
$ 0				$ 0	$ 0	$ 0	$ 0
$ 0				$ 0	$ 0	$ 0	$ 0
$ 0				$ 0	$ 0	$ 0	$ 0
$ 0				$ 0	$ 0	$ 0	$ 0
$ 122,350	TOTAL						

'EXPENSE' ACCOUNT(S)

ADJUSTMENT AMOUNT	ACCOUNT NUMBER	PROJECT NUMBER	ACCOUNT NAME	ORIGINAL BUDGET	AMENDED BUDGET	ADJUSTED BUDGET	UNENCUMBERED BALANCE
$ 122,350	001-3510-541.63-00	PWPAVE	INFRASTRUCTURE	$ 1,635,000	$ 2,770,675	$ 2,893,025	$ 395,792
$ 0				$ 0	$ 0	$ 0	$ 0
$ 0				$ 0	$ 0	$ 0	$ 0
$ 0				$ 0	$ 0	$ 0	$ 0
$ 0				$ 0	$ 0	$ 0	$ 0
$ 0				$ 0	$ 0	$ 0	$ 0
$ 122,350	TOTAL						

REASON/JUSTIFICATION FOR ADJUSTMENT:

To provide funding for the repair and/ or replacement of sidewalk, curb, inlet tops, ADA Compliant Ramps and aprons as needed as it relates the the Fiske Blvd. Reconstruction project. PWPAVE. Agenda 16-351

City COUNCIL APPROVAL REQUIRED? *YES* (●) *NO* ( ) *DATE APPROVED:* 08/23/16 *RESOLUTION #:* 2016-90

City Council approval is needed for all transfers greater than $50,000 and transfers between Departments / Funds. Attach copy of agenda item and City Clerk's Journal noting approval.

8/10/16	Michael Giorgio Digitally signed by Michael Giorgio Date: 2016.08.10 12:41:30 -04'00'	8/12/16	Lea Taylor Digitally signed by Lea Taylor Date: 2016.08.12 10:13:11 -04'00'		
Date	Requestor's Signature	Date	Finance Approval Signature	Date	Finance Director's Signature
8/10/16	Everett J. Wegerif	8/12/16	Lora Howell Digitally signed by Lora Howell Date: 2016.08.12 10:23:42 -04'00'		
Date	Department Director's Signature	Date	Deputy Fin. Director's Signature	Date	City Manager's Signature

FINANCE USE ONLY:

Date Entered: _____ Entered By: _____ Group #: _____

Approved 07/13

Revised eform 11/18/15 - IT

Legislation Details (With Text)

File #:	16-354	**Version:**	1	**Name:**	
Type:	Resolution			**Status:**	City Business
File created:	8/10/2016			**In control:**	City Council
On agenda:	8/23/2016			**Final action:**	
Title:	Approve a Resolution amending the FY 2016 Budget, using General Fund Contingency to cover overages due to Firefighter Leave/Vacancies. (Fire Chief)				
Sponsors:					
Indexes:					
Code sections:					
Attachments:	Budget Resolution FY 2016.pdf BAF-FD-Cover PR Negative (8-23-16)- Agenda 16-354.pdf				

Date	Ver.	Action By	Action	Result

CITY COUNCIL AGENDA ITEM

Memo Date: August 12, 2016
Agenda Date: August 23, 2016
Prepared By: Gene Prince. Fire Chief
Through: John A. Titkanich Jr., City Manager
Requested Action:
To Approve a Resolution Amending the FY2016 Budget, using General Fund Contingency to Cover Overages Due to Firefighter Leave/Vacancies.

BACKGROUND:

The minimum daily staffing number is nine firefighters and one district chief each day. The department had one firefighter out on worker's compensation from October 1, 2015 to May 25, 2016 until when they retired; one firefighter out on worker's compensation since April 2016 and two additional firefighters out since May 2016; and there was one vacancy due to a retirement in January. The five vacancies represent approximately 13% of the available work force. The combination of firefighters out on worker's compensation and the vacancies has significantly impacted the overtime budget leading to a negative balance in this line item of $38,833.99.

The compensation for leave time accruals when an employee enters the Deferred Retirement Option Plan (DROP) or leaves the department is not typically budgeted unless the employee provides advanced noticed during the budget process. An employee can choose to enter the DROP any time after they reach normal retirement requirements. The Department had two persons enter the DROP and three persons retire so far in FY2016. The payout for their leave accruals were $48,205.77.

Based on current overtime usage the department will need an additional $67,000 in the overtime line item to cover the negative balance and overtime expenses for the rest of the fiscal year. This amount does not account for the potential impact of an extended weather or wildfire event. In addition to the overtime line

item, we will also need to allocate funds to the other payroll accounts such as Accrual Payouts and Health Insurance. The Budgetary impact is listed below.

STRATEGIC PLAN CONNECTION:

Public Safety -Increasing our minimum daily staffing number ensures the city is strategically allocating its human resources to provide for the safety of its firefighters and the most effective and efficient delivery of public safety for residents and businesses.

BUDGETARY IMPACT:

Budgeted No

Amount Requested $ 67,000
Account Number 001-2201-522.14-00 Overtime

Source of Funds: $40,000
001-2201-522.13-00 Other Salaries & Wages
$27,000
001-1600-513.39-00 Contingency

Amount Requested $1,590
Account Number 001-2200-522.15-00 Special Pay
$5,237
001-2200-522.23-00 Life/Health Insurance
$4,177
001-2200-522.24-00 Workers Compensation
$5,364
001-2201-522.12-12 Accrual Payouts

Source of Funds: $16,368
001-2201-522.12-00 Regular Salaries

PREVIOUS ACTION:

None

RECOMMENDED MOTION:

To Approve a Resolution Amending the FY2016 Budget, using General Fund Contingency to Cover Overages Due to Firefighter Leave/Vacancies.

RESOLUTION NO. 2016-89

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF COCOA, FLORIDA, AMENDING THE CITY OF COCOA BUDGET FOR FISCAL YEAR 2016; PROVIDING FOR THE REPEAL OF PRIOR INCONSISTENT RESOLUTIONS; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City Council of the City of Cocoa adopted the final budget for the fiscal year commencing on October 1, 2015, and ending on September 30, 2016, at a regular meeting held on September 22, 2015; and

WHEREAS, in accordance with Article XII, Section 5 of the City of Cocoa Charter, whereby the Council may, at any time by resolution, transfer any unused and unencumbered appropriation or portion thereof from one office or department to another; and

WHEREAS, the City Council deems it to be in the best interest of the City of Cocoa to amend its budget as provided in this resolution.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF COCOA, as follows:

SECTION 1. The 2015-2016 fiscal year budget shall be amended as detailed in the attached sheets.

SECTION 2. All prior resolutions or prior resolutions inconsistent with this resolution are hereby repealed to the extent of the conflict.

SECTION 3. This resolution shall become effective immediately upon its adoption by the City Council of the City of Cocoa, Florida.

ADOPTED by the City Council of the City of Cocoa, Florida, in a regular meeting assembled on the 23rd day of August, 2016.

_____
Henry U. Parrish III, Mayor

ATTEST:

_____
Carie Shealy, City Clerk

City of Cocoa Budget Adjustment Form FY 2016

SELECT ADJUSTMENT TYPE: BUDGET TRANSFER | REQUESTING DEPARTMENT #: 1500 | DATE PREPARED: 08/11/16

'FROM' ACCOUNT(S)

ADJUSTMENT AMOUNT	ACCOUNT NUMBER	PROJECT NUMBER	ACCOUNT NAME	ORIGINAL BUDGET	AMENDED BUDGET	ADJUSTED BUDGET	UNENCUMBERED BALANCE
($ 16,368)	001-2201-522.12-00		REGULAR SALARIES & WAGES	$ 1,825,883	$ 1,937,911	$ 1,921,543	$ 18,189
($ 40,000)	001-2201-522.13-00		OTHER SALARIES & WAGES	$ 167,692	$ 167,692	$ 127,692	$ 30,055
($ 27,000)	001-1600-513.39-00		CONTINGENCY	$ 191,737	$ 131,330	$ 104,330	$ 104,330
$ 0				$ 0	$ 0	$ 0	$ 0
$ 0				$ 0	$ 0	$ 0	$ 0
$ 0				$ 0	$ 0	$ 0	$ 0
($ 83,368)	TOTAL						

'TO' ACCOUNT(S)

ADJUSTMENT AMOUNT	ACCOUNT NUMBER	PROJECT NUMBER	ACCOUNT NAME	ORIGINAL BUDGET	AMENDED BUDGET	ADJUSTED BUDGET	UNENCUMBERED BALANCE
$ 1,590	001-2200-522.15-00		SPECIAL PAY	$ 1,920	$ 1,920	$ 3,510	$ 1,540
$ 5,237	001-2200-522.23-00		LIFE/HEALTH INSURANCE	$ 56,970	$ 27,526	$ 32,763	$ 5,119
$ 4,177	001-2200-522.24-00		WORKER'S COMPENSATION	$ 6,165	$ 6,165	$ 10,342	$ 1,212
$ 5,364	001-2201-522.12-12		ACCRUAL PAYOUTS	$ 0	$ 98,075	$ 103,439	$ 0
$ 67,000	001-2201-522.14-00		OVERTIME	$ 234,424	$ 82,190	$ 149,190	$ 28,167
$ 0				$ 0	$ 0	$ 0	$ 0
$ 83,368	TOTAL						

REASON/JUSTIFICATION FOR ADJUSTMENT:

This transfer is to cover the cost of accrual payouts for two retiring employees as well cover the cost of Special Pay, Health Insurance, Workers Compensation and Overtime for the remainder of the year. Agenda 16-354.

CITY COUNCIL APPROVAL REQUIRED? *YES* (●) *NO* ( ) | *DATE APPROVED:* _____ | *RESOLUTION #:* 2016-89

City Council approval is needed for all transfers greater than $50,000 and transfers between Departments / Funds. Attach copy of agenda item and City Clerk's Journal noting approval.

8/11/16 Lea Taylor Digitally signed by Lea Taylor Date: 2016.08.11 13:40:24 -04'00'	8/12/16 Lea Taylor Digitally signed by Lea Taylor Date: 2016.08.12 09:43:49 -04'00'	
Date Requestor's Signature	Date Finance Approval Signature	Date Finance Director's Signature
8/11/16 Gene Prince Digitally signed by Gene Prince DN: dc=org, dc=cocoafl, ou=City Administration, cn=Gene Prince, email=gprince@cocoafl.org Date: 2016.08.11 17:46:04 -04'00'	8/12/16 Lora Howell Digitally signed by Lora Howell Date: 2016.08.12 10:11:15 -04'00'	
Date Department Director's Signature	Date Deputy Fin. Director's Signature	Date City Manager's Signature

FINANCE USE ONLY:

Date Entered: _____ Entered By: _____ Group #: _____

Legislation Details (With Text)

File #:	16-358	**Version:**	1	**Name:**	
Type:	Resolution			**Status:**	City Business
File created:	8/15/2016			**In control:**	City Council
On agenda:	8/23/2016			**Final action:**	
Title:	To consider an Interlocal Agreement with Brevard County, Florida to determine the distribution of the revenues derived from the half cent discretionary infrastructure sales tax consistent with the Save Our Lagoon Plan. (Assistant City Manager)				
Sponsors:					
Indexes:					
Code sections:					
Attachments:	Save Our Lagoon Project Plan Presentation.pdf Save Our Lagoon Project Plan.pdf SAVE OUR LAGOON REFERENDUM ELECTION 2016 ORDINANCE LANGUAGE 8-8-16.pdf Interlocal Agreement.pdf				

Date	Ver.	Action By	Action	Result

CITY COUNCIL AGENDA ITEM

Memo Date: August 15, 2016
Agenda Date: August 23, 2016
Prepared By: Matthew Fuhrer, Assistant City Manager
Through: John A. Titkanich Jr., City Manager
Requested Action:
To consider an Interlocal Agreement with Brevard County, Florida to determine the distribution of the revenues derived from the half cent discretionary infrastructure sales tax consistent with the Save Our Lagoon Plan.

BACKGROUND:

In January through March 2016, Brevard County residents endured the most extensive and intensive algal bloom recorded in the Indian River system during winter/spring months. The collapse of this bloom in March resulted in one of the most extensive fish kills ever recorded here. The winter/spring 2016 bloom followed an algal super bloom that occurred in 2011, brown tides that followed in 2012, 2013 and 2015, and unusual morality events for dolphins, manatees and pelicans.

On April 7th, 2016 the County Commission directed staff to develop a Save Our Lagoon Project Plan to restore health to the lagoon and explore dedicated funding mechanisms, including a Save Our Lagoon Special Taxing District, to fund the entire plan or provide the local match needed to leverage State appropriations and other grants.

The proposed 10 year Save Our Lagoon Project Plan includes a portfolio of projects to reduce

primary sources of pollution (including excess fertilizer, septic systems, nutrient rich reclaimed water, and stormwater); remove historical pollution that is now accumulated in much deposits that smother seagrass, cloud the water column, release nutrients and deplete oxygen; Restore natural stabilization and filtration systems (including oyster bars and living shorelines); and a process to monitor project implementation, efficiency, and cost-effectiveness with a volunteer citizen oversight committee to respond to monitoring data, new technology, changing conditions, alternative project proposals and recommend plan revisions to the County Commission annually. The projected cost of the proposed plan is $302,881,000.

Save Our Lagoon Plan - Cocoa Impact

Project	Location	Plan Cost
Fertilizer Management/Public Ed.	Countywide	$625,000
Oyster Reef Living Shorelines	Countywide	$10,000,000
Septic System Removal	Cocoa	$2,240,000
Stormwater Projects	Cocoa/North IRL	$4,850,000
Muck Removal	Cocoa/North IRL	$21,000,000
Waste Water Treatment Facility	Cocoa	$0.00
Septic System Upgrade	Cocoa	$0.00

At the August 9th Brevard County Commission meeting, Commissioners voted 5-0 to place a ½ cent sales tax referendum on the upcoming ballot to carry out the Save our Lagoon Project Plan. Within the plan there are a number of initiatives countywide to improve the condition of the Indian River Lagoon to include projects related to septic conversion, muck removal and stormwater projects within the City of Cocoa.

STRATEGIC PLAN CONNECTION:

Economic Development: An improved Indian River Lagoon water quality will improve the property values along the estuary and increase tourism potential. The Save Our Lagoon Plan estimates the economic impact of the Indian River Lagoon in Brevard County to be $6.3 billion.

Community Development: By enhancing the water quality of the Indian River Lagoon residents will benefit from increased and enhanced recreational opportunities.

BUDGETARY IMPACT:

N/A

PREVIOUS ACTION:

None

RECOMMENDED MOTION:

Consider an Interlocal Agreement with Brevard County, Florida to determine the distribution of the revenues derived from the half cent discretionary infrastructure sales tax consistent with the Save Our Lagoon Plan.

Save Our Lagoon Project Plan









August 9, 2016

Presentation Outline

- Introduction
- Economic Importance
- Science-Based Targets
  - Impacts of Muck
- Data-Driven Project Selection
  - Transparency/Accountability/Adaptability
- Funding Options
- Acknowledgements

Presenters

- Virginia Barker, Director, Natural Resources Management Department
- Al Vazquez, Managing Partner, Closewaters LLC
- Dr. John Windsor, Professor Emeritus, Florida Institute of Technology Oceanography and Environmental Science
- Marcy Frick, REM, Senior Water Resources Engineer, Tetra Tech Inc.

Why Are We Here?

- 2011 algal superbloom
- 2011 secondary bloom
- 2012 brown tide
- 2013 brown tide
- 2013 unusual mortalities
- 2015-2016 brown tide
- 2016 extensive fish kill
- 60% loss of seagrass beds







2016 Events

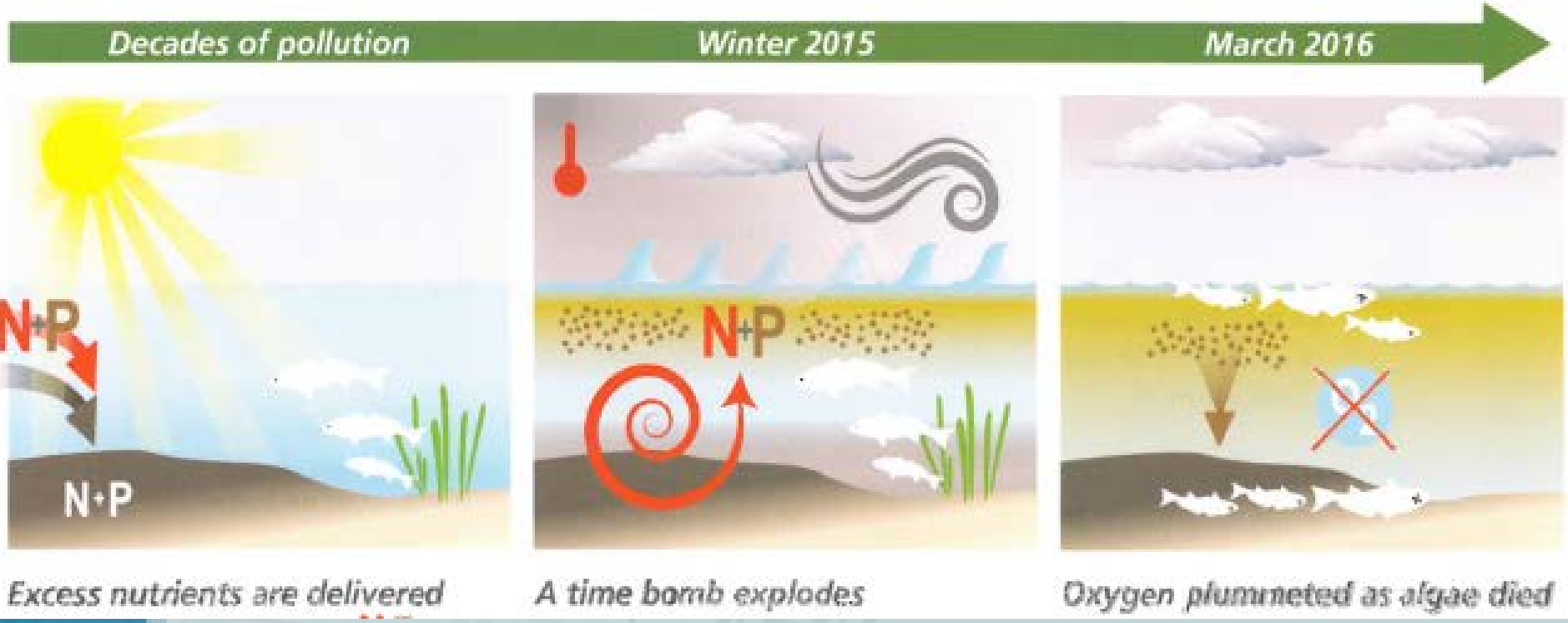
- March fish kill
- April
  - Letter to the Governor
  - State agency response
  - Legislative delegation
  - Faster federal permits
- May
  - Board direction to develop referendum options
  - Board direction to draft a project plan





Indian River Lagoon

A deadly sequence of events



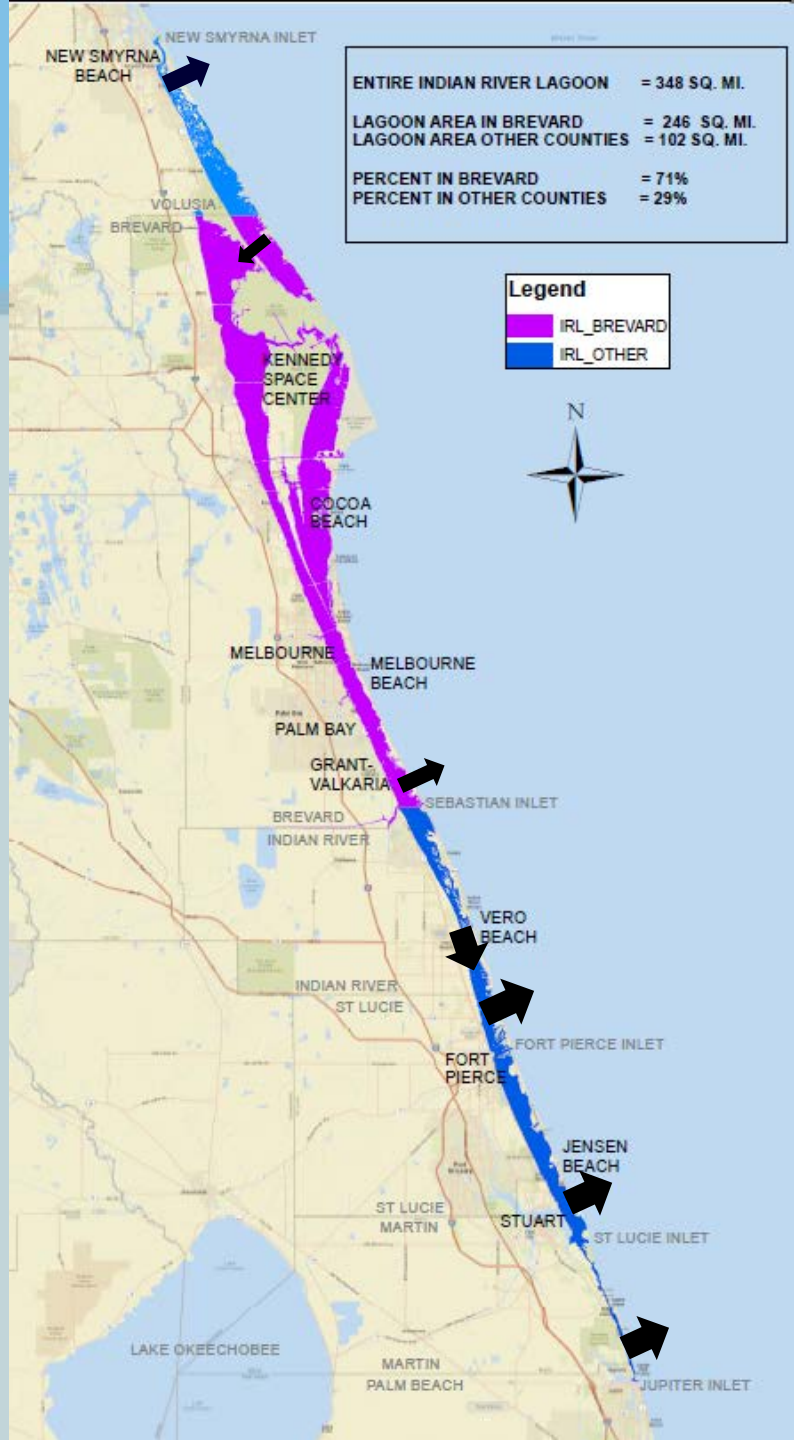
www.mrcirl.org

Contact information
Leesa Souto, Ph.D.
Executive Director
Marine Resources Council
3275 Dixie Hwy, NE
Palm Bay, Fl 32905
Ph. 321-725-7775

Science Communication Team
H. Kelsey, C. Donovan, J. Hawkey
Integration & Application Network
University of Maryland Center for Environmental Science
ian.umces.edu

Indian River Lagoon

- 71% of the IRL is in Brevard County
- 157,000 acres
- Local pollution
- Local responsibility
- Local opportunity



Delicate Balance

- IRL is an Estuary of National Significance
- One of the greatest diversity of plants and animals in the nation
- Balance has been disturbed:
  - Excessive pollutant inputs to the lagoon
  - Accumulation of harmful muck deposits
  - Loss of natural filtration systems

Plan Development

- Address remaining major sources of pollution
- Minimal cost to achieve regulatory compliance and healthy conditions;
  - Maximize benefits
  - Science and data-driven to minimize risk
  - Optimize Return on Investment
  - Allow for innovation and adaptation

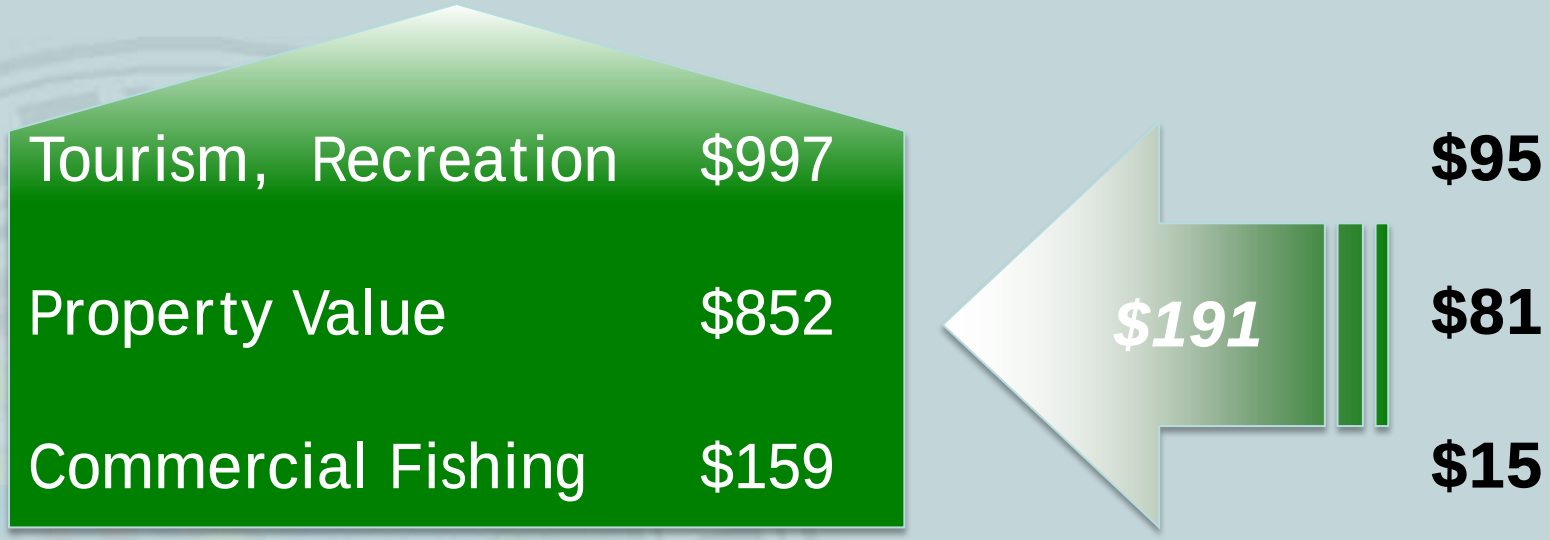
Save Our Lagoon Project Plan

Economic Importance of the Indian River Lagoon

Al Vazquez, Managing Partner
Closewaters LLC

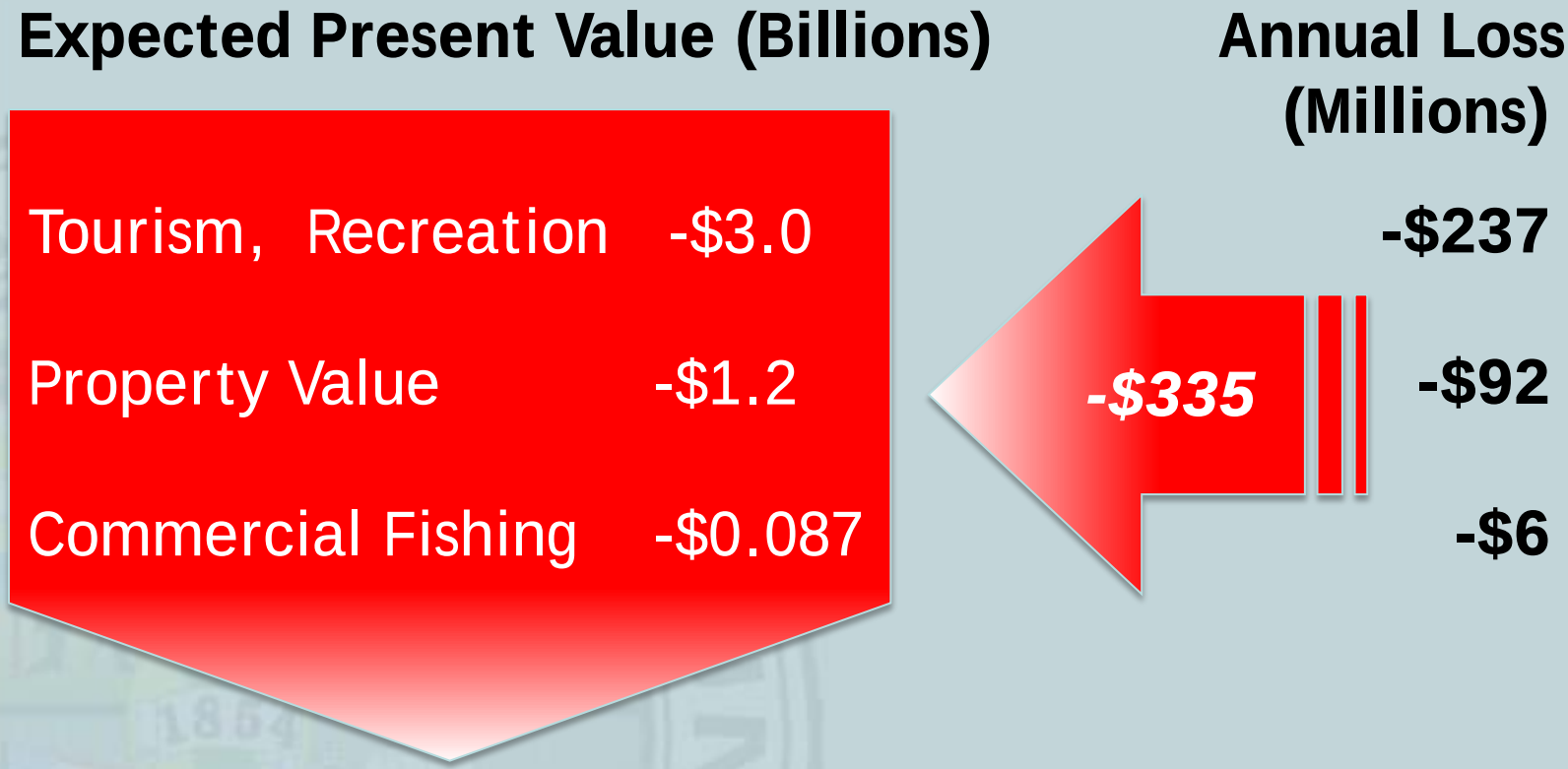
$2 Billion Potential Economic Gain with Restoration

Expected Present Value (Millions) Annual Benefits



Not Included: Health and Collateral Brand Benefits e.g. Beach Tourism

$4.3 Billion Potential Economic Loss without Restoration



Not Included: Regulatory Fines, Pathogen Outbreak, Collateral Brand Impacts

Return on Investment and the Value of Timeliness

- **$6.3 billion benefit:**
  - **$2 billion gain**
  - **$4.3 billion loss avoidance**
- **$302 million plan**
- **20:1 Benefit to Cost Ratio**
- **$526 million/year at risk with delay**
  - **26% ROI for completion in 5 years**
  - **10% ROI for completion in 10 years**

FY 2016-2017 Proposed County General Fund Budget

GF Revenue Sources:		GF Uses:	
Current Ad Valorem	$132,922,029	Charter Officers	$105,248,379
Prior Year Ad Valorem	$380,000	Court Operations	$2,805,831
Communication Svc Tax	$6,398,374	Outside Agencies	$510,200
FPL Franchise Fees	$10,133,158	Mandates	$25,953,827
State Shared Revenue	$11,456,316	Reserves	$15,808,953
Local Half Cent Sales Tax	$25,038,719	Total GF Uses	$150,327,190
All Other Operating Revenue	$8,759,462	BOCC GF Supported Departments	
Balance Forward	$18,457,810	Total Comp and Benefits	$30,942,164
Non-Operating Revenue	$6,863,981	Operating and Capital Expenses	$33,946,465
Total General Fund Sources:	**$220,409,848**	Debt Service	$5,194,029
		Total General Fund Uses:	**$220,409,848**

3 Key Funding Points

1. General Fund of $220 million cannot fund a $302 million plan
2. County funding of $302 million would enable leverage of matching funds to improve on bare-bones plan
3. Acceleration to 5 years increases ROI from 10% to 26% so it makes sense to finance at 4% to speed implementation

Decision Science

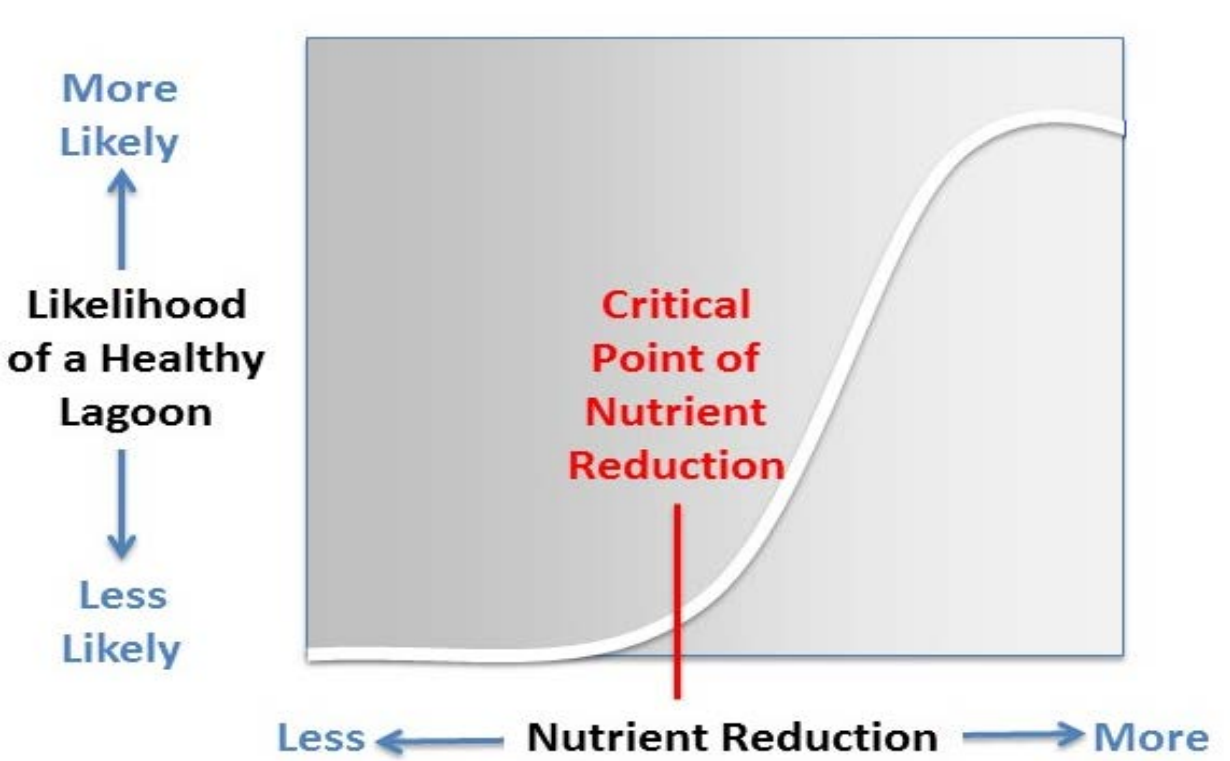
- **Select most cost-effective projects and sequence into a multi-year plan**
- **Maximize the benefits for every dollar spent and minimize the unavoidable risks**
- **Involve local experts in plan development**

Input from Subject Matter Experts

- Achieve nutrient abatement through a blend of options
- No one type of project alone can achieve adequate nutrient abatement
- Must stop excessive nutrient loading to minimize recurring muck accumulation

IRL Response Curve

- **“Critical mass" of nutrient reductions needed to achieve significant and sustainable benefits**



Save Our Lagoon Project Plan

Science – Based Targets for Indian River Lagoon Health

Virginia Barker, Director

Natural Resources Management Department

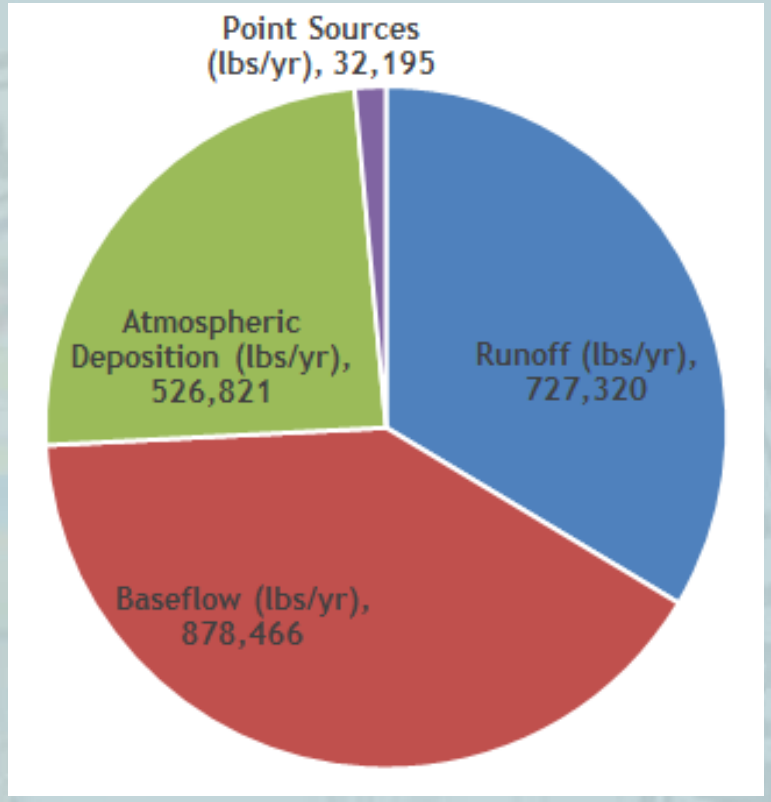
Healthy Lagoon Targets

- **Seagrass**
  - Area to exceed 1943 mapped area
- **Water Clarity**
  - Algal blooms rare, bottom visible
- **Dissolved Oxygen**
  - Fish kills uncommon
- **Clean, White, Sandy Sediment**
  - Muck limited to deep pits and channels
- **Filtration**
  - Entire lagoon volume filtered annually

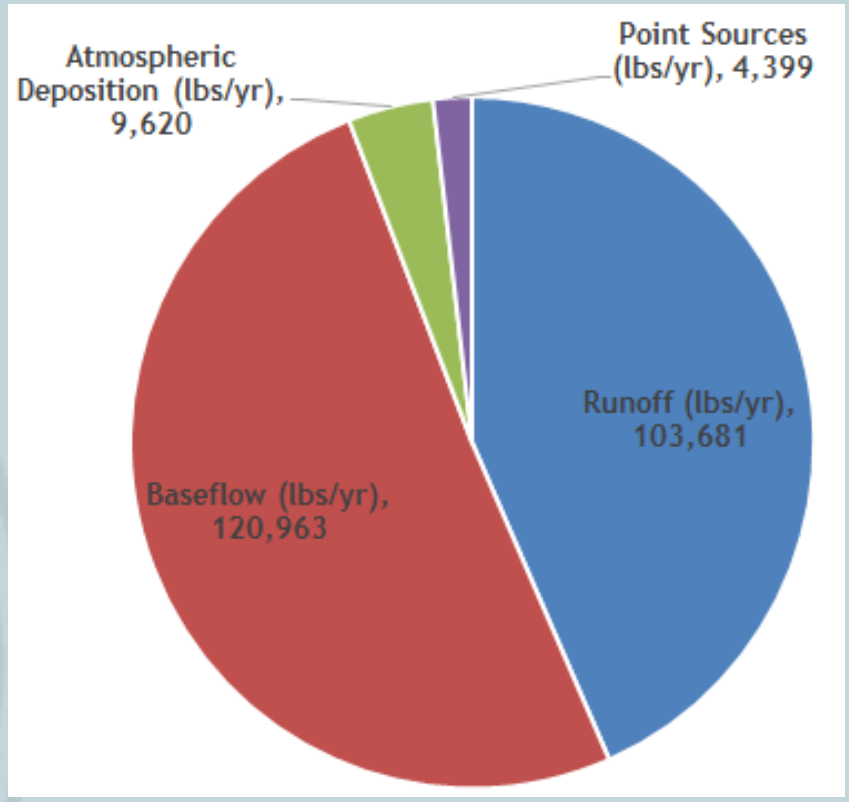
brevard COUNTY

External Sources of Nutrient Pollutant into the IRL

Nitrogen Sources



Phosphorus Sources

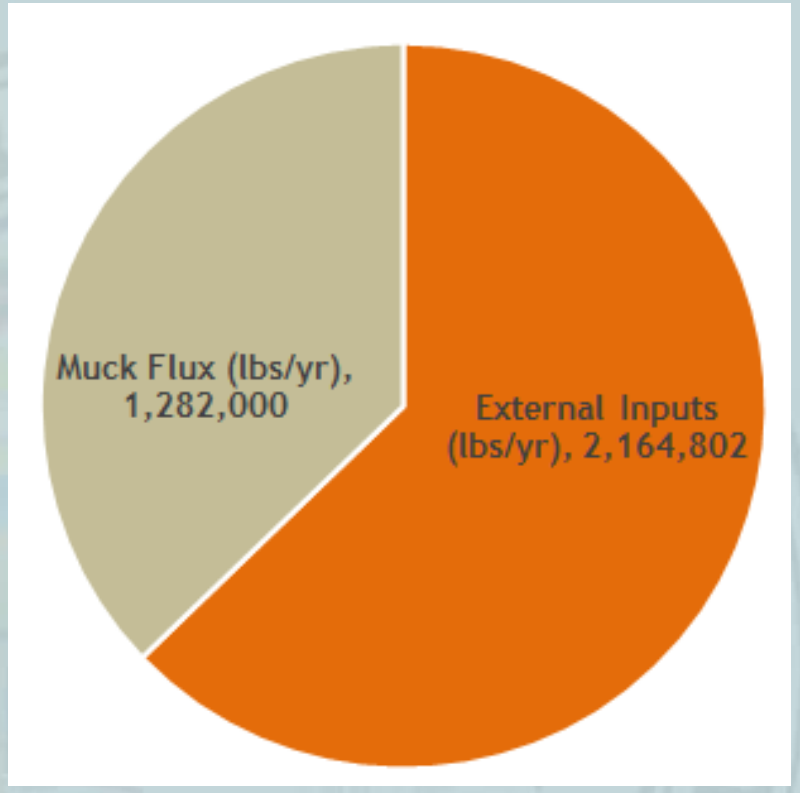


Source: IRL TMDL Refinement Studies, 2011-2016
Dr. Harvey Harper, Dr. Antony Janicki, Dr. Claudia Listopad, Dr. Steven Peene

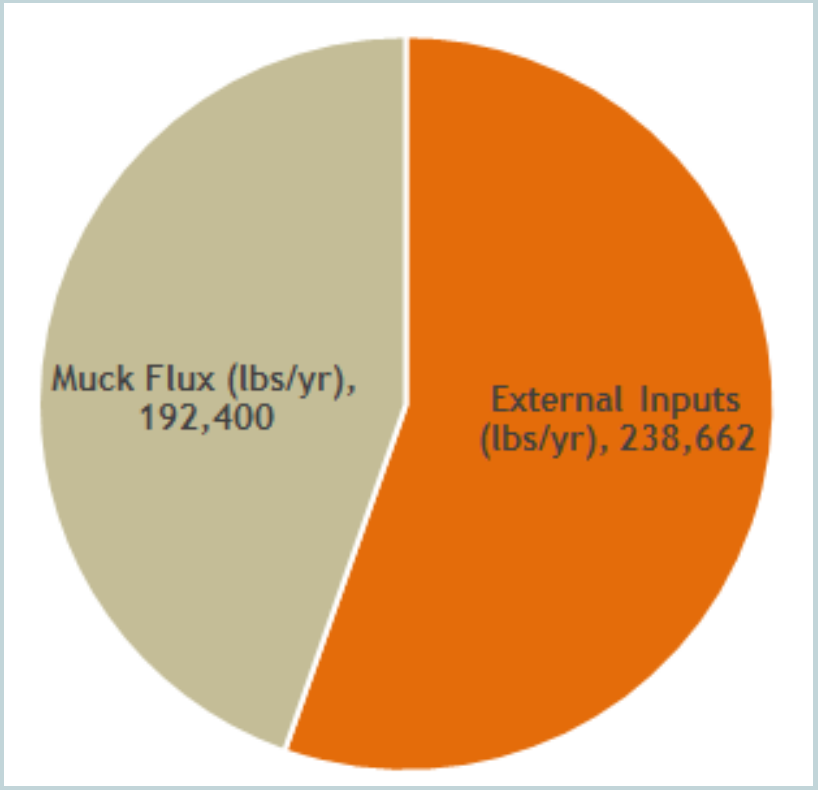
Brevard COUNTY

External Pollution Sources Versus Muck Flux in the IRL

Nitrogen Sources



Phosphorus Sources

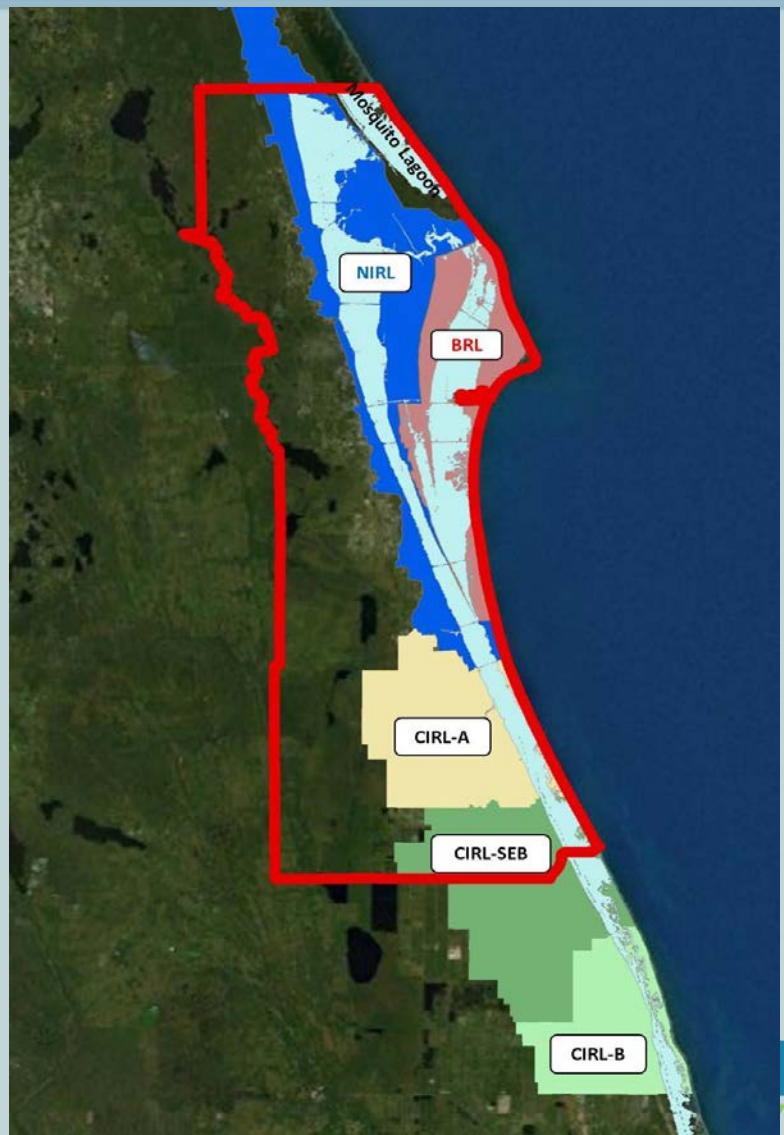


Source: Personal Communication with Dr. John Trefry, 2016

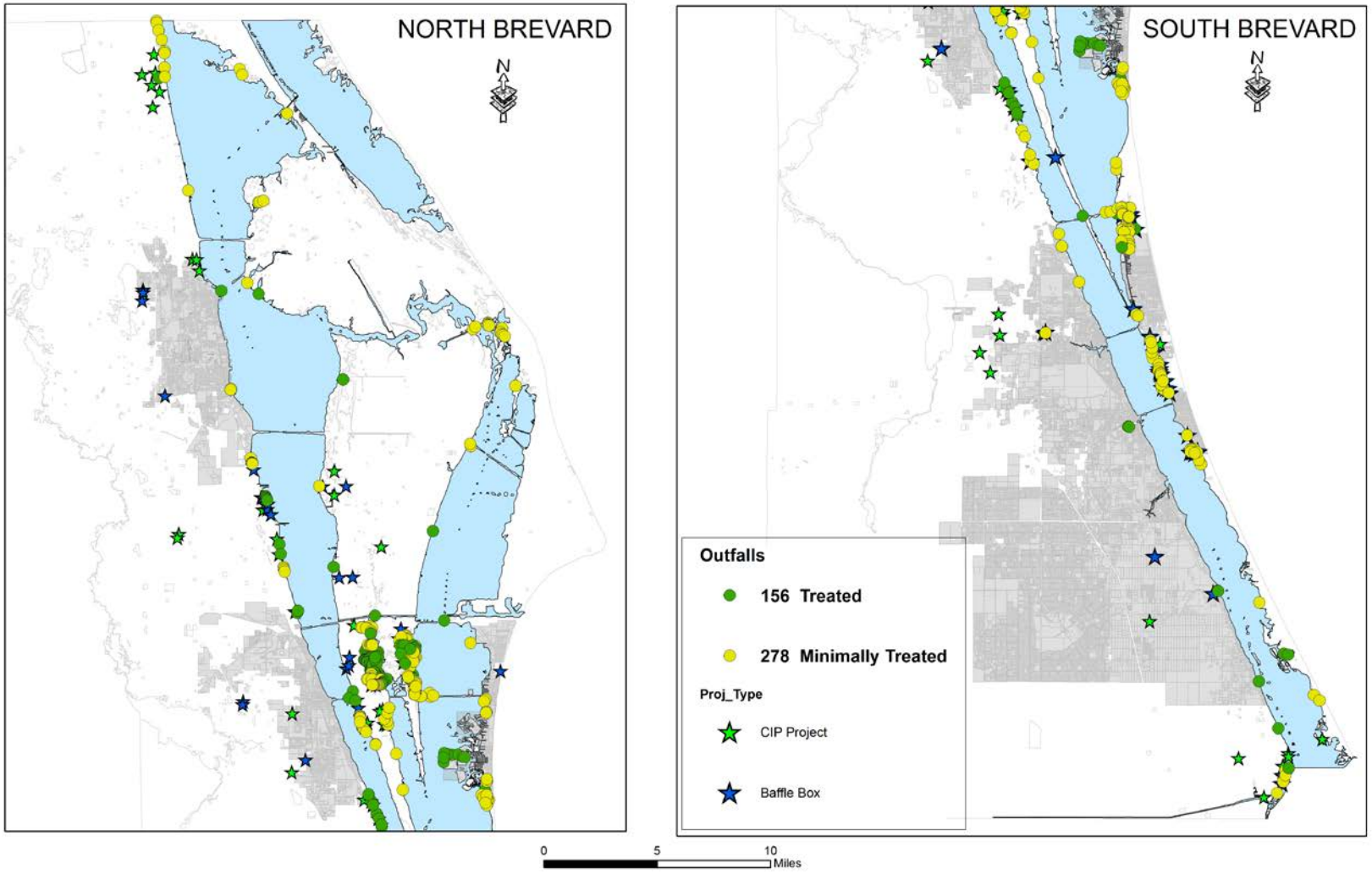
Brevard County

Pollutant Sources Addressed in the Save Our Lagoon Project Plan

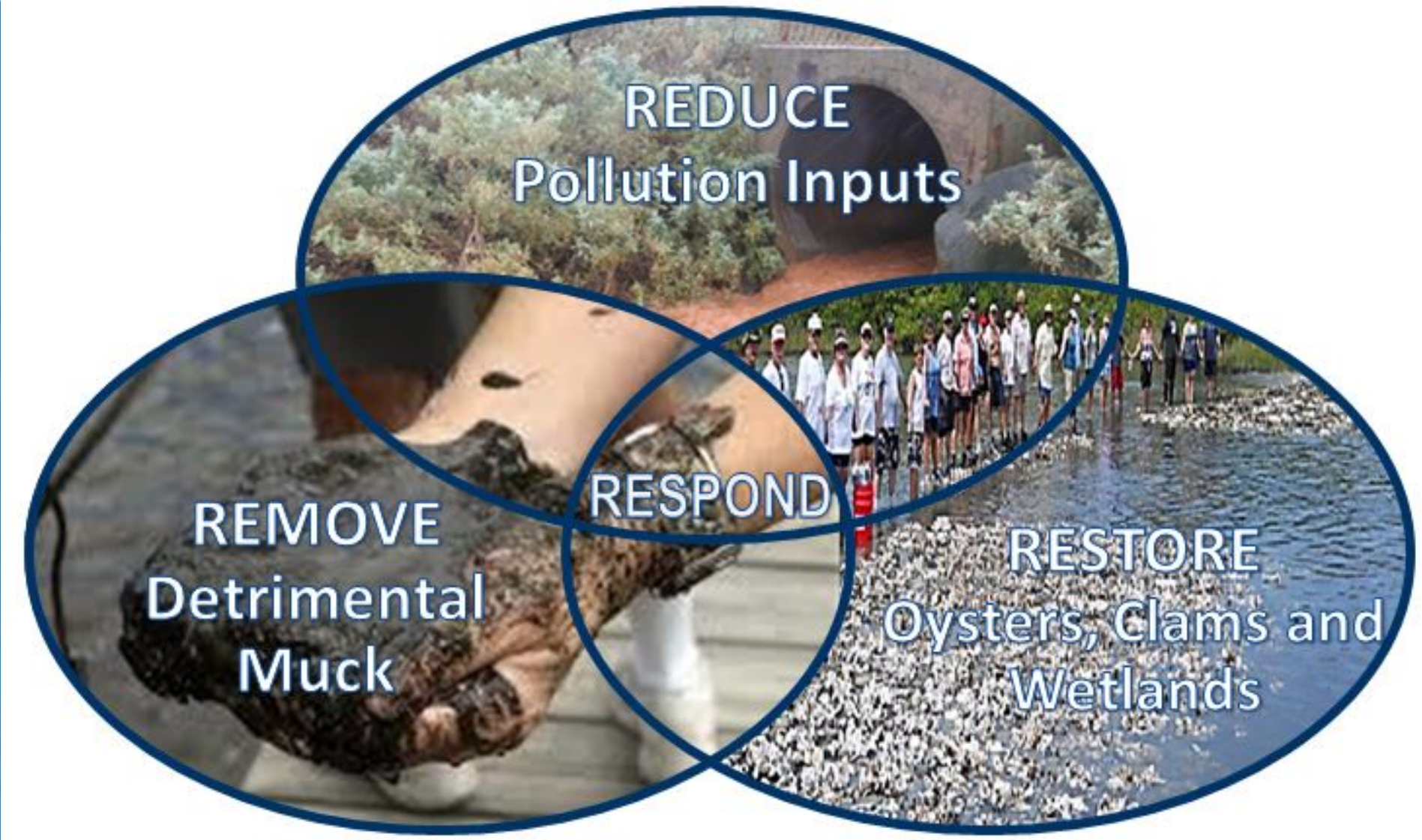
- ✓ Fertilizer
- ✓ Point sources – reclaimed water
- ✓ Septic systems
- ✓ Stormwater
- ✓ Muck flux
- • Atmospheric



Existing Treatment



Save Our Lagoon Project Plan



Save Our Lagoon

Impacts of Environmental Muck Dredging

Dr. John Windsor
Professor Emeritus
Oceanography and Environmental Science
Florida Institute of Technology

brevard COUNTY

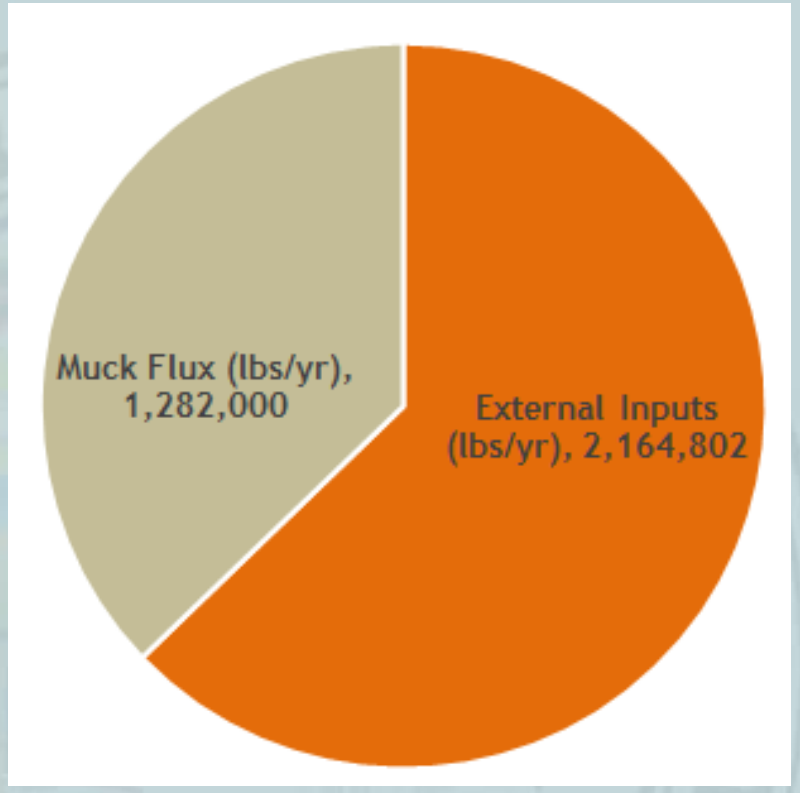
What is the most important threat to Lagoon health?

- Fertilizer
- Point sources – reclaimed water
- Septic systems
- Stormwater
- Muck flux
- Atmospheric

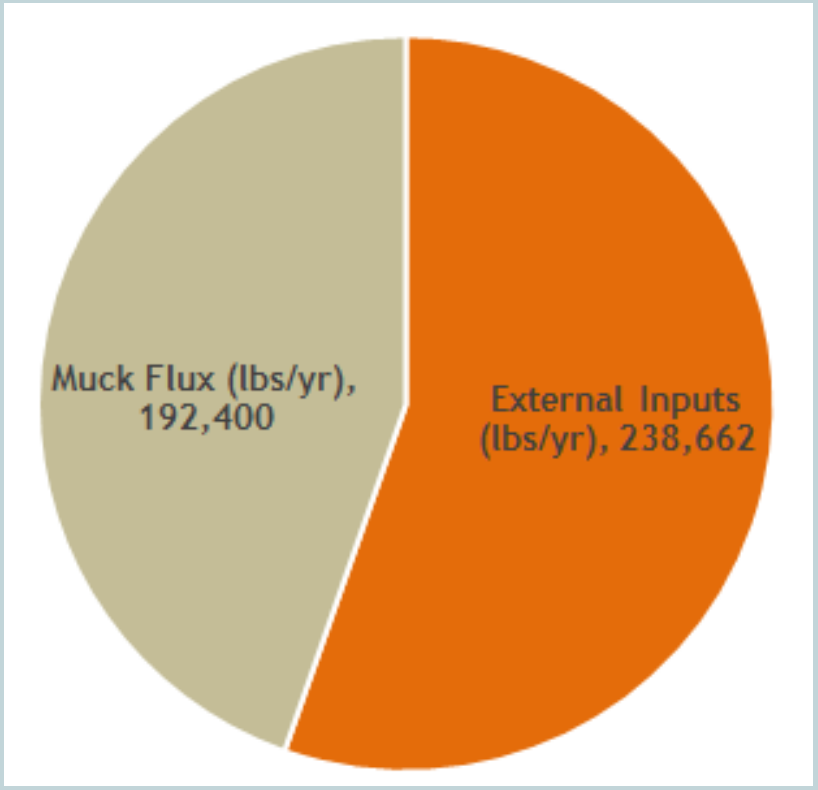


External Pollution Sources Versus Muck Flux in the IRL

Nitrogen Sources



Phosphorus Sources



Source: Personal Communication with Dr. John Trefry, 2016

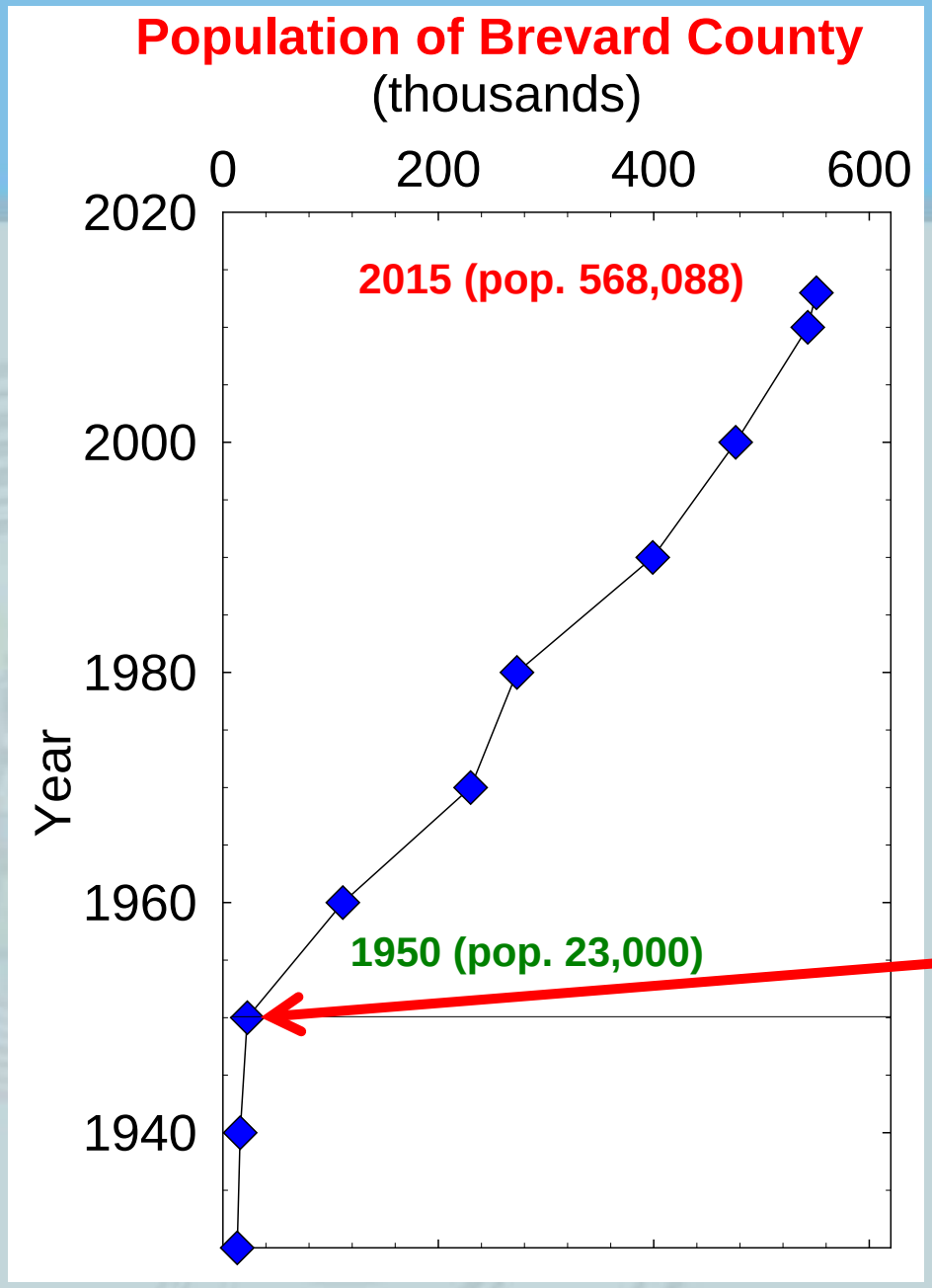
Brevard County

What is Indian River Lagoon muck?

- More than 75% water by weight
- More than 90% water by volume
- 76-99% silt and clay
- 11-22% organic matter
  - 4-7% organic carbon
  - 0.4-0.8% organic nitrogen



Brevard COUNTY





Courtesy Dr. John Trefry

Why is IRL muck important?

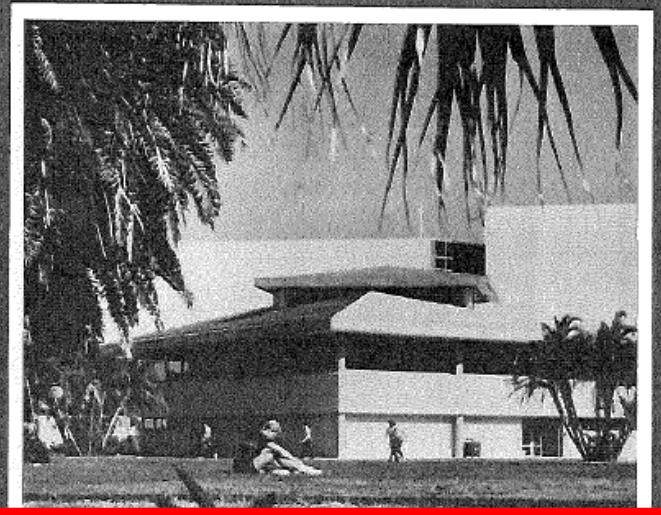
1. Increases turbidity and inhibits seagrass growth.
2. Depletes oxygen in sediment and water.
3. Covers the natural bottom and destroys natural biological habitats.
4. Stores and releases nutrients

Should muck be removed?

1. Decrease turbidity and enhance seagrass growth.
2. Increases oxygen in water.
3. Restores natural bottom.
4. No longer a source for nutrients!
5. IRL Muck can be moved by storms

1980s

F.I.T. SPEAKERS



Let's Get the Muck Off the Bottom of the Indian River Lagoon
John H. Trefry

F.I.T. Florida Institute of Technology

Scuba Diving
Robert Fronk

Tidal Inlet Phenomena
Lee E. Harris

Those Bloomin' Red Tide Organisms
Dean R. Norris

Coastal Oceanography
Ronnal P. Reichard

How to Prevent Barnacles
The Offshore Oil Industry
Geoffrey W. Swain

Deep Sea Oases: The Oceanographic Discovery of the Century
John H. Trefry

Marine Biological Dredging Along Florida's East Coast
Richard L. Turner

POLLUTION

Global Environmental Problems
Iver Duedall

Stormwater Runoff from Highways and Its Effect on the Natural Environment
John L. Leslie, III

Waste into Reefs
Walter Nelson

Why Is It So Important to Keep Our Groundwater Clean?
Ashok Pandit

Let's Get the Muck Off the Bottom of the Indian River Lagoon
John H. Trefry

Marine Pollution in Florida
Pollution: The Historical Perspective
Water Quality of the Indian River Lagoon
John G. Windsor, Jr.

Should muck be removed?

Muck is targeted in management plans:

IRLNEP Comprehensive Conservation and Management Plan (CCMP)

FSD-6 Reduce impacts of muck on Indian River Lagoon

IRL Surface Water Improvement and Management (SWIM)

***IR-1-105D* Muck Identification and Control**

Brevard Comprehensive Maritime Management Master Plan (CM3P)

***1B1-b* Remove Muck from Interior Waterways**

Brevard COUNTY

What is muck dredging?



Courtesy Dr. John Trefry

Is muck dredging perfect?

1. Current hydraulic dredging and dewatering practices are not perfect, although they are the best option available now – and good enough to get us started.
2. A dedicated funding source should drive innovation and production of better tools and techniques.
3. FIT is already testing potential draghead and dewatering improvements on a small scale in a canal.

What is the FIT Environmental Muck Dredging Research Project?

Research Goal:

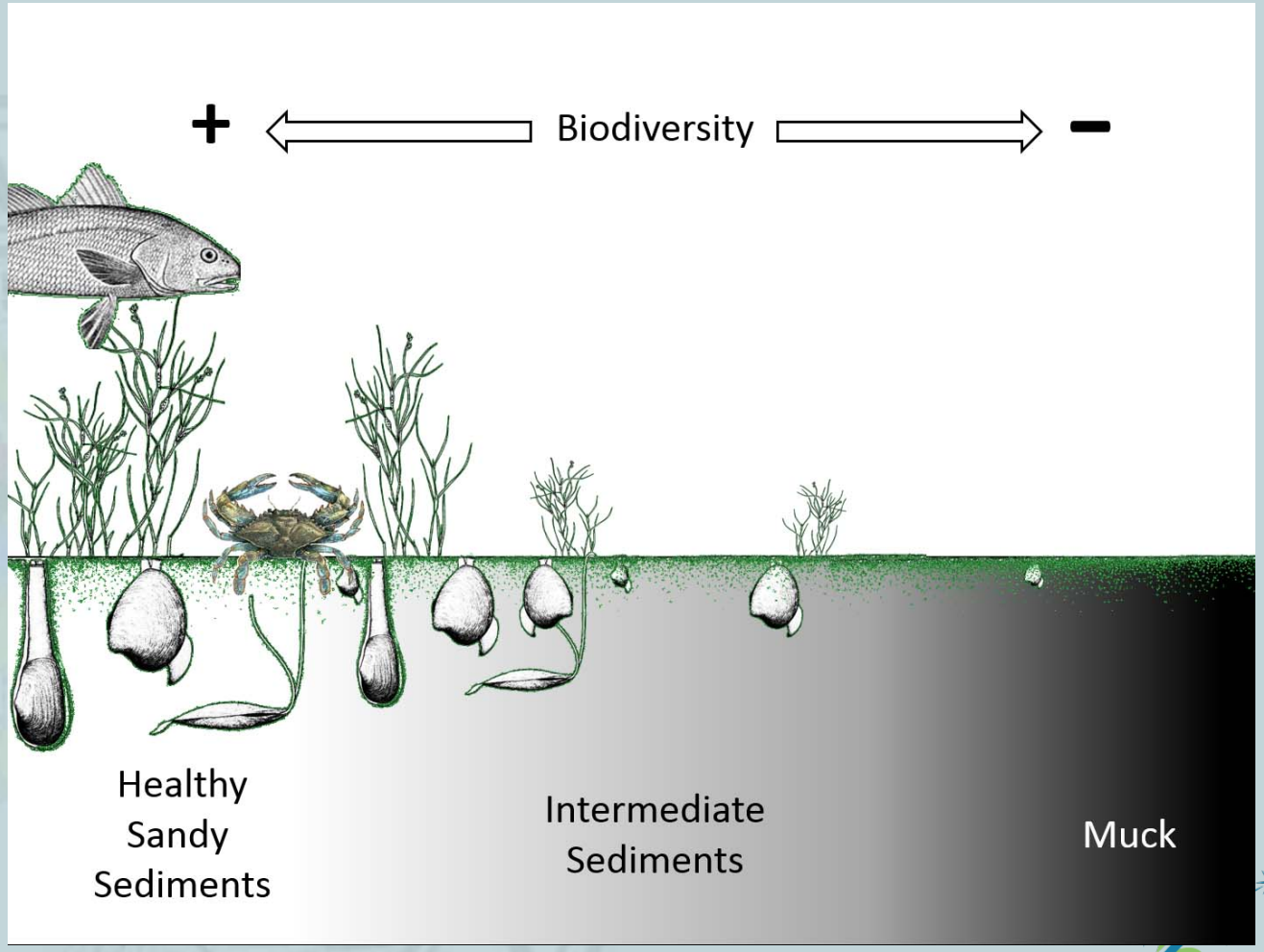
To determine impacts of environmental muck dredging in Indian River Lagoon.

The Multidisciplinary Team:

- **10 Faculty**
- **6 Research Staff**
- **Dozens of graduate/undergraduate students**
- **Collaboration with County staff, SJRWMD, FDEP, and external reviewers**

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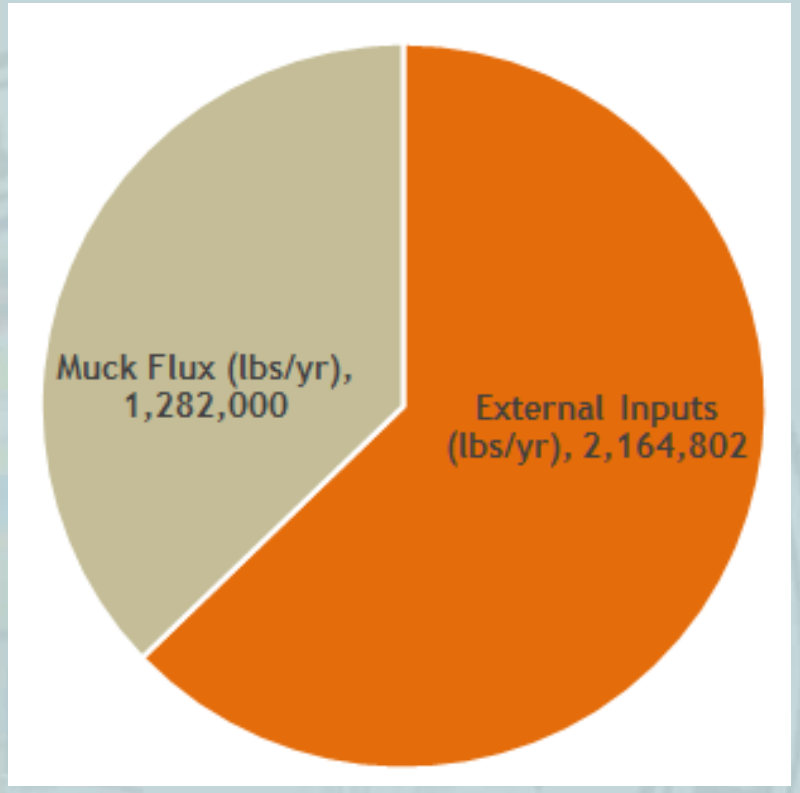
What has FIT-EMD learned?



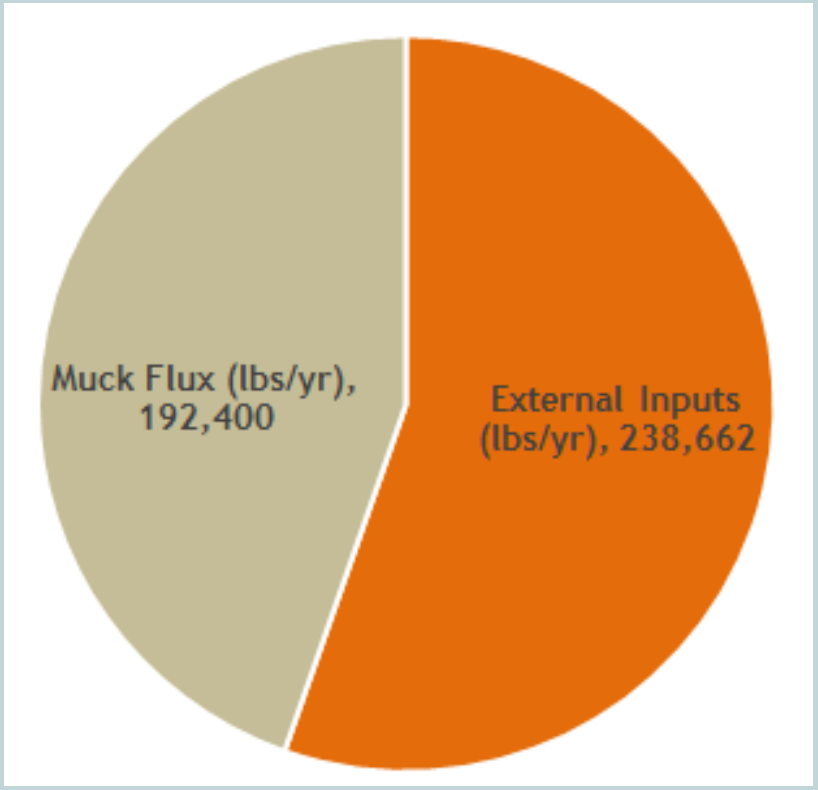
Courtesy Dr. Kevin Johnson

External Pollution Sources Versus Muck Flux in the IRL

Nitrogen Sources



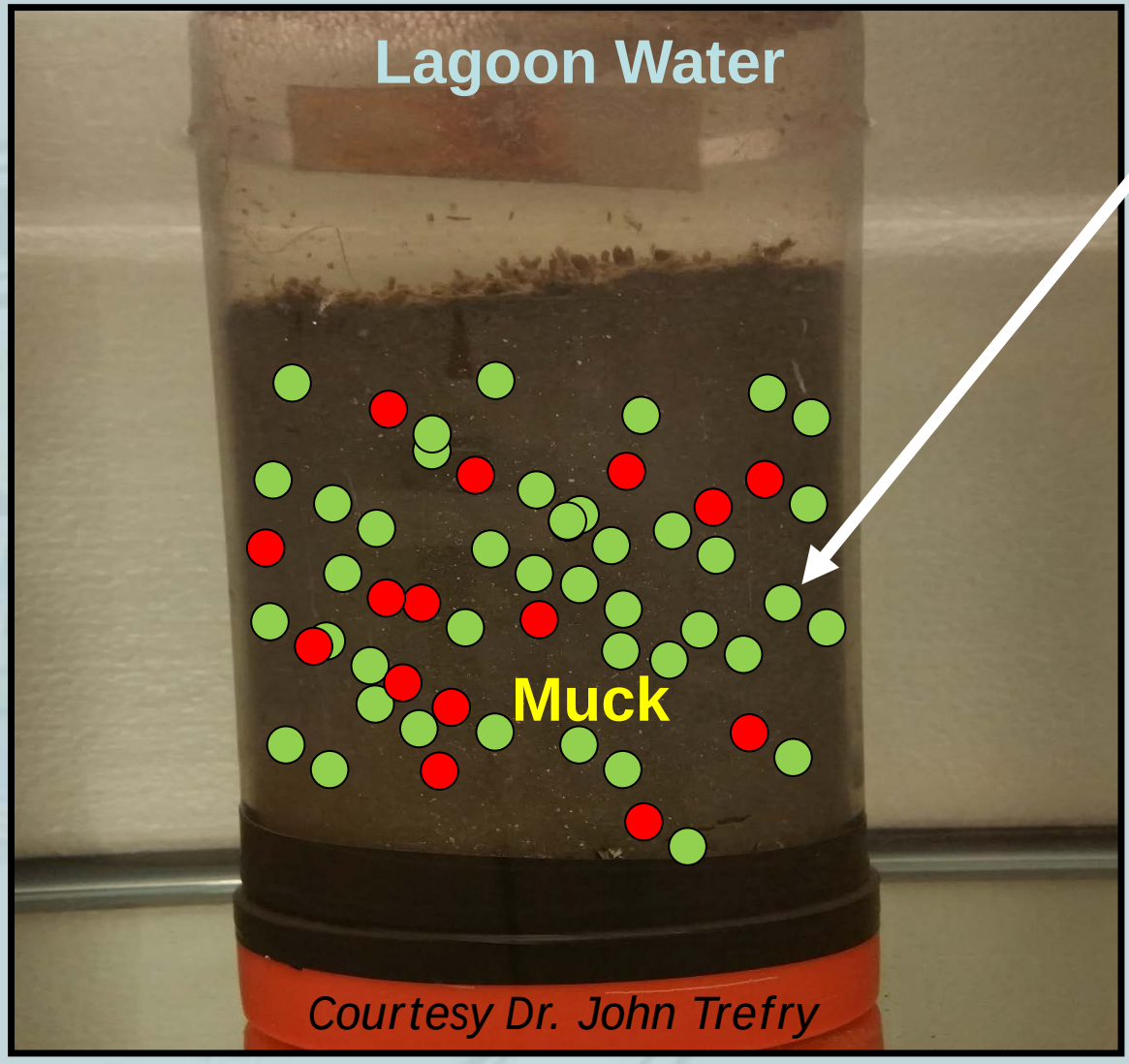
Phosphorus Sources



Source: Personal Communication with Dr. John Trefry, 2016

Brevard County

What is muck flux?



Billions of molecules of dissolved N and P are diffusing from the muck into the lagoon water.

FIT Muck Research Team



the inputs that form muck.



Courtesy Dr. John Trefry

Data Driven Project Selection for the Indian River Lagoon

Marcy Frick, Senior Water Resources Engineer
Tetra Tech Inc.

Project Selection

Projects were selected to:

- Maximize nutrient reductions
- Minimize cost
- Shorten lag time
- Reduce risk
- Optimize return on investment



Florida-Friendly Landscaping

THE SMART WAY TO GROW

MY BREVARD YARD

Be Floridian Now

SAVING OUR LAKES, RIVERS, & ESTUARIES ONE YARD AT A TIME

BLUE LIFE FLORIDA





Reduce - Fertilizer

- **Fertilizer ordinance compliance**

- **Reductions have occurred to date**

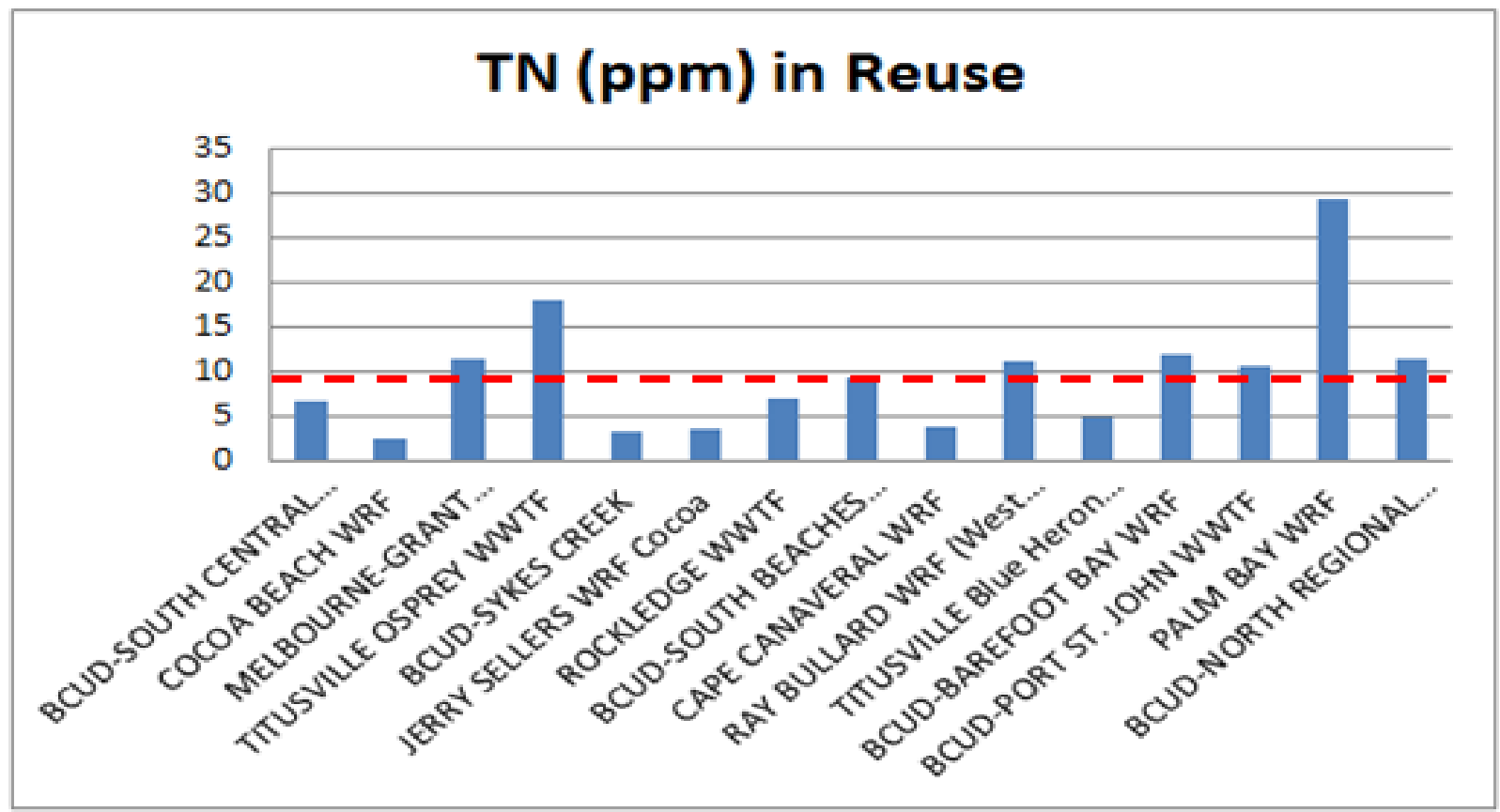
Parameter	FY2013-14 lbs after Attenuation: Pre-Ordinance	FY2014-15 lbs after Attenuation: Post-Ordinance	Reductions from Ordinance to Date (lbs/yr)
TN	127,540	81,644	45,896
TP	12,640	3,252	9,388
	BEFORE	AFTER	REDUCTION

brevard COUNTY

Reduce - Fertilizer

- Expand public education and outreach
- Increase ordinance compliance 25%
- Cost: $625,000 (over 5 years)
- Benefit: 6,123 lbs/yr of TN and 813 lbs/yr of TP reduction
- Efficiency: $102/lb of TN/yr

Reduce – Reclaimed Water Nutrients



9 ppm (mg/L): Nitrogen concentration that supports maximum turfgrass growth. Don't excessively irrigate. (2014 IFAS study: AE479)

Reduce – Nutrients in Reclaimed Water

- **Higher concentrations leach more nutrients into the groundwater**
- **Upgrade treatment at WWTFs to reduce nutrients in reclaimed water**

Facility	Cost to Upgrade	TN Removed after Attenuation (lbs/yr)	Cost/lb/yr of TN Removed
City of Palm Bay WRF	$1,400,000	17,790	$79
City of Titusville Osprey WWTF	$8,000,000	22,988	$348
City of West Melbourne Ray Bullard WRF	$6,000,000	5,368	$1,118
Barefoot Bay WRF	$6,000,000	3,507	$1,711
North Regional WWTF	$6,000,000	1,739	$3,451
Port St. John WWTF	$6,000,000	2,037	$2,946
City of Melbourne Grant Street WWTF	$6,000,000	1,498	$4,004

Reduce – Nutrients Leaching from Septic Systems

- The Florida Department of Health has permitted over 90,000 septic systems in Brevard County
- About 10% have been removed
- Almost 60,000 are in the IRL Basin
- Connecting or upgrading all 60,000 is not cost-effective
- Focus on highest risk situations

Cost for Septic System Removal

Septic System Distance from Surface Water	Number of Septic Systems	TN (lbs/yr/system)	TN (lbs/yr)	Total Cost	Cost/lb/yr of TN
Less than 55 yards	15,090	27.095	408,863	$301,800,000	$738
Between 55 and 219 yards	25,987	6.865	178,395	$519,740,000	$2,913
Greater than 219 yards	18,361	0.0005	10	$367,220,000	$37,624,010
Total in IRL Basin	***59,438***	***N/A***	***587,268***	***$1,188,760,000***	***$2,024 (average)***

Estimated TN load per year per system based on data from a St. Lucie study

Estimated cost of $20,000 each per County's Utility Services Department

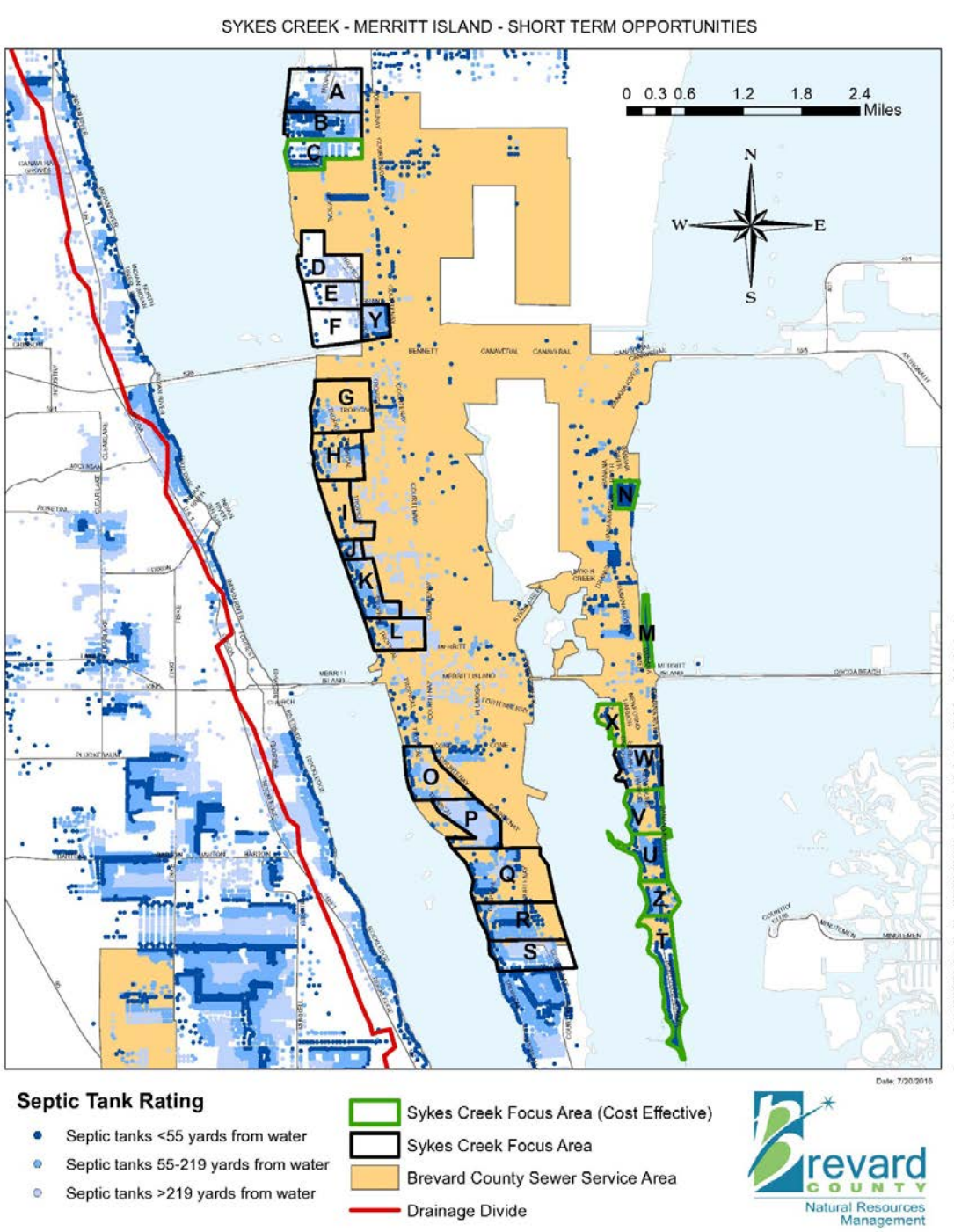
Example Prioritization

- **Focus on neighborhoods that could be connected to sewer for less than $1,200/lb TN**

Service Area	Number of Lots	Cost	TN Reduction (lbs/yr)	TN Cost/lb/yr
Sykes Creek - Zone N	86	$1,720,000	2,330	$738
Sykes Creek - Zone M	58	$1,160,000	1,572	$738
Sykes Creek - Zone T	139	$2,780,000	3,685	$754
Sykes Creek - Zone X	14	$280,000	359	$780
Sykes Creek - Zone V	98	$1,960,000	1,927	$1,017
Sykes Creek - Zone U	145	$2,900,000	2,573	$1,127
Sykes Creek - Zone Z	73	$1,460,000	1,290	$1,132
Sykes Creek - Zone W	142	$2,840,000	1,923	$1,477
Sykes Creek - Zone R	206	$4,120,000	2,686	$1,534
Sykes Creek - Zone Q	186	$3,720,000	2,319	$1,604
Sykes Creek - Zone S	163	$3,260,000	1,407	$2,317

Septic Removal

Merritt Island Example Area



Reduce – Use of Septic Systems

- **Remove 3.9% of septic systems within the IRL Basin by connecting to central sewer**

Sub-lagoon	Number of Lots	Cost	TN Reductions (lbs/yr)	Average Cost/lb/yr of TN
Banana River Lagoon	613	$12,260,000	13,736	$898
North IRL	641	$12,820,000	14,029	$875
Central IRL	1,093	$16,684,000	28,744	$746
Total	***2,347***	***$41,764,000***	***56,509***	***$840***

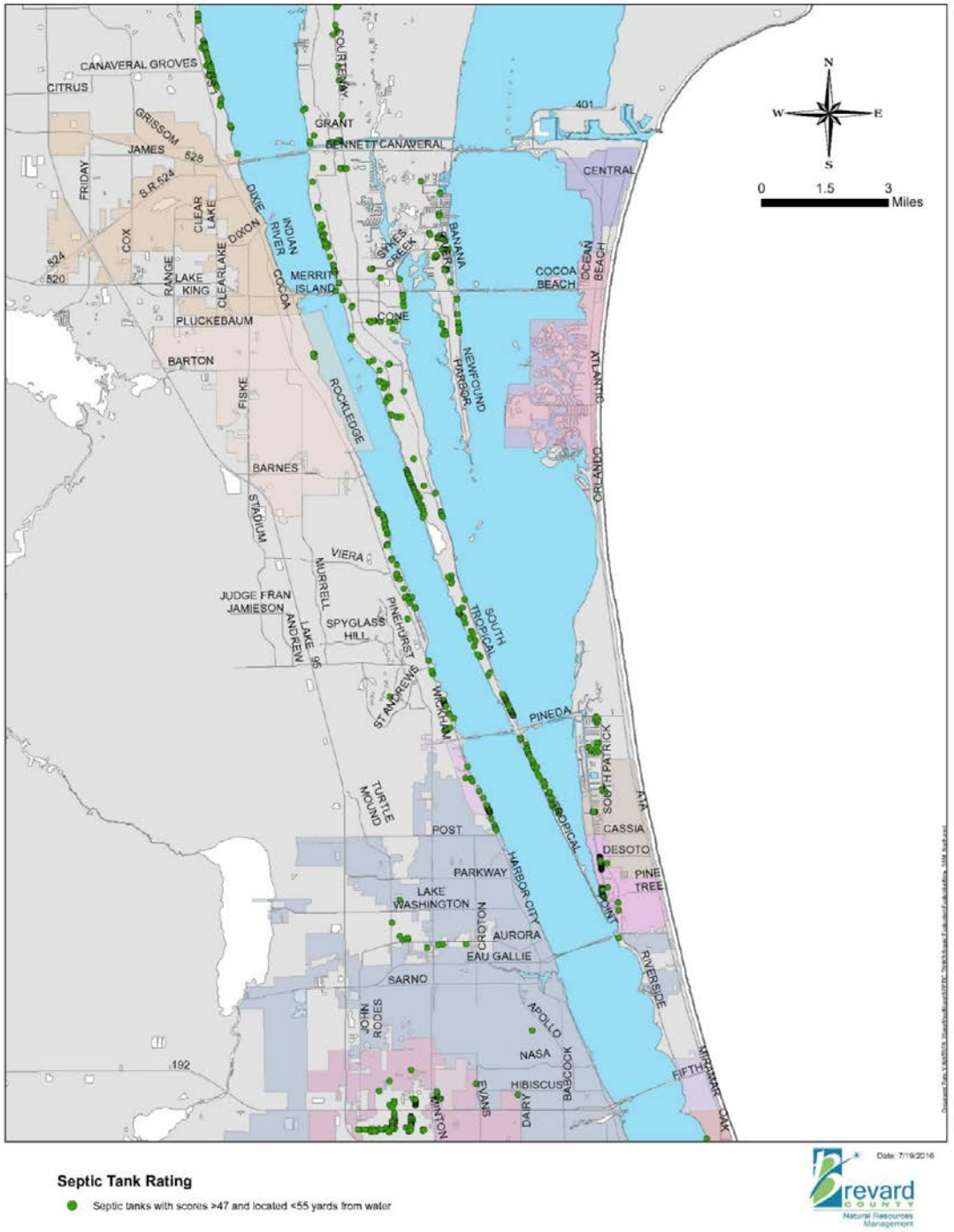
Septic System Prioritization

- **Criteria:**
  - Age of System
  - Soil Type
  - Depth to Groundwater
  - Septic System Density
  - Proximity to Surface Waters

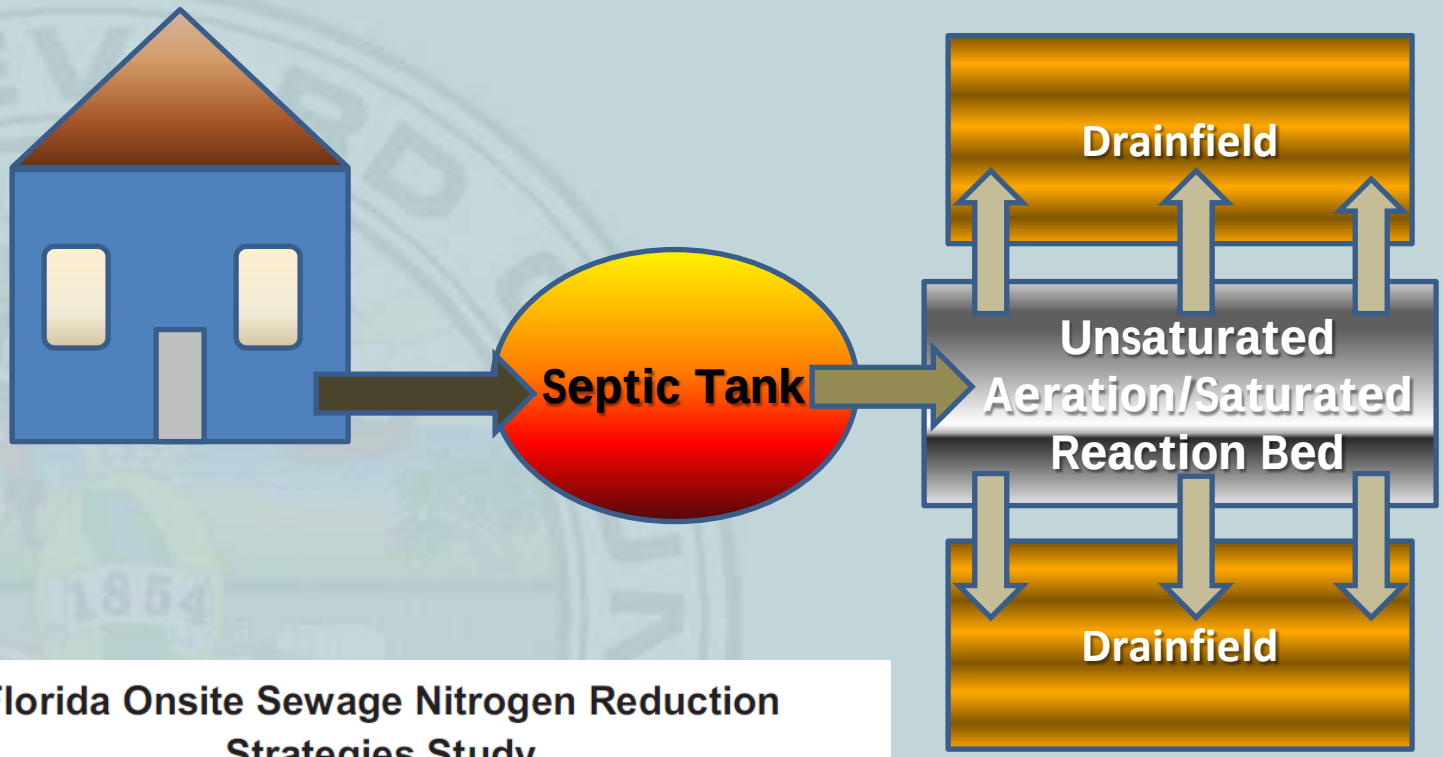
- **Prioritize worst conditions that pose highest risk to Lagoon water quality**

Septic Upgrade

Central Brevard Example Area



Reduce – Septic Drainfield Leaching



Florida Onsite Sewage Nitrogen Reduction Strategies Study

Final Report

December 31, 2015

Reduce – Septic Drainfield Leaching

- **Plan includes upgrade of the worst 2.3% of remaining systems within the IRL Basin**

Sub-lagoon	Number of Lots	Cost	TN Reductions (lbs/yr)
Banana River Lagoon	258	$4,128,000	5,145
North IRL	515	$8,240,000	10,270
Central IRL	614	$9,824,000	12,244
Total	***1,387***	***$22,192,000***	***27,659***

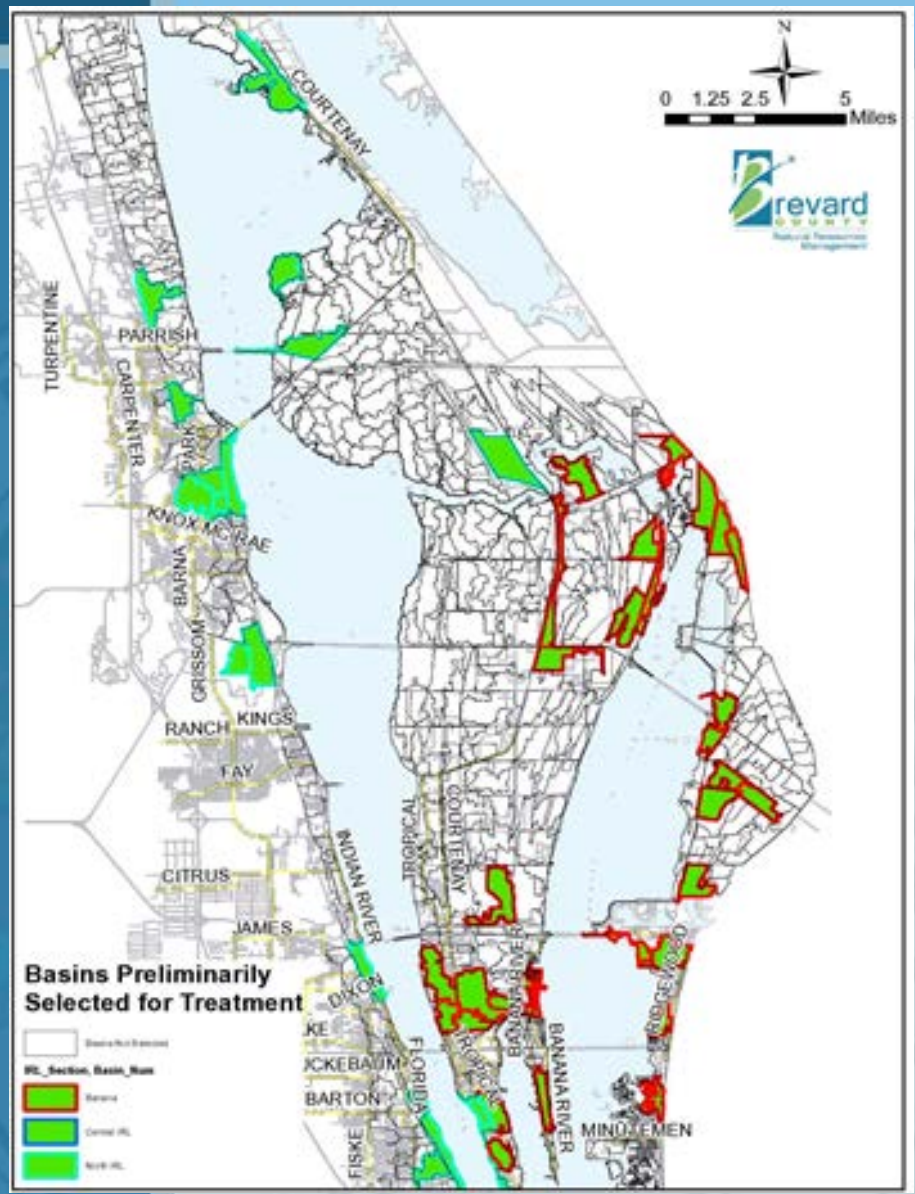
Reduce – Stormwater Loading

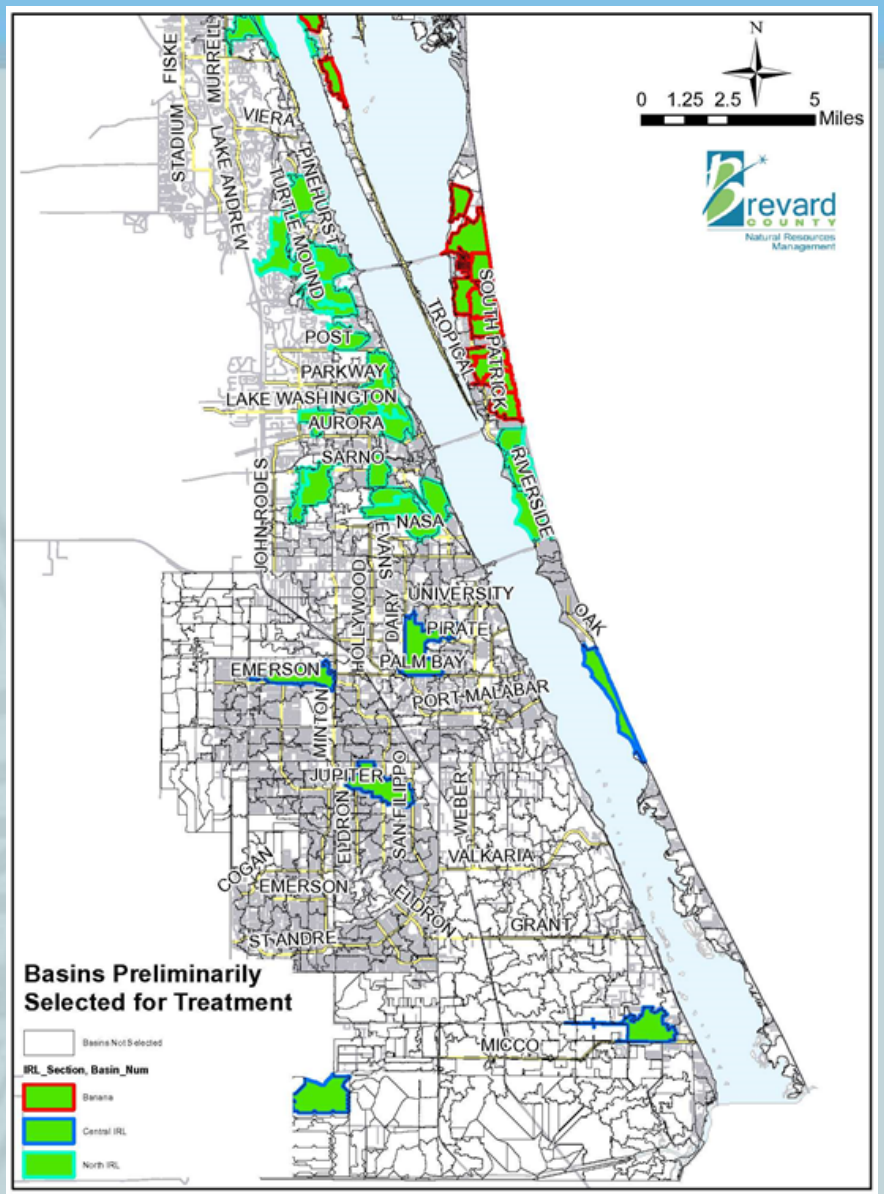
- **Ditch denitrification is the most cost-effective treatment for dry season flow**
- **Add biosorption activated media (BAM) to improve nutrient removal efficiency**

Sub-lagoon	Number of Basins	Estimated Total Project Cost	TN Reductions (lbs/yr)	Cost/lb/yr of TN	TP Reductions (lbs/yr)	Cost/lb/yr of TP
Banana River Lagoon	41	$4,625,000	48,391	$96	6,896	$671
North IRL	37	$4,850,000	52,936	$92	7,632	$635
Central IRL	6	$1,325,000	17,113	$77	2,497	$531
Total	*84*	*$10,800,000*	*118,440*	*$88 (avg)*	*17,025*	*$612 (avg)*

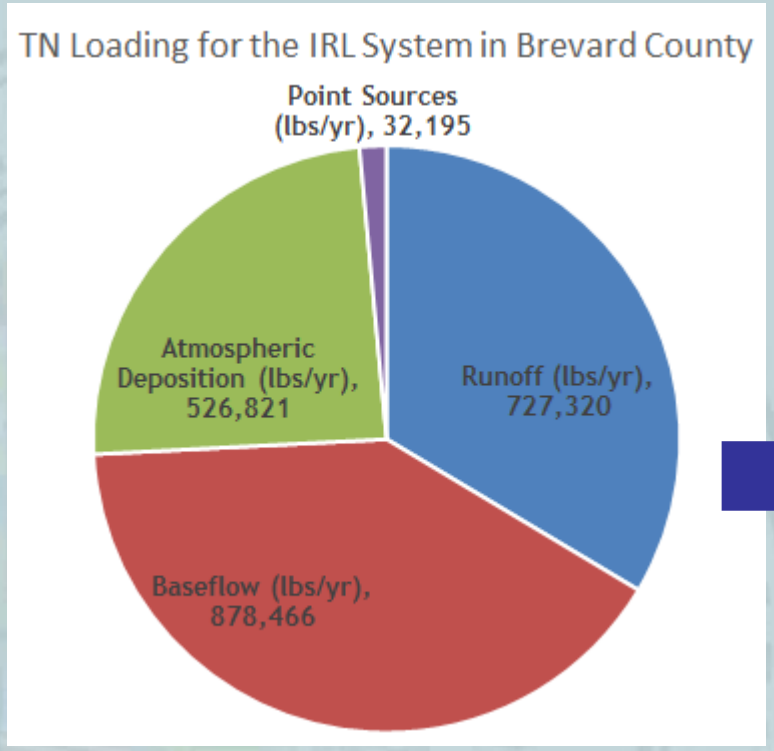
brevard COUNTY

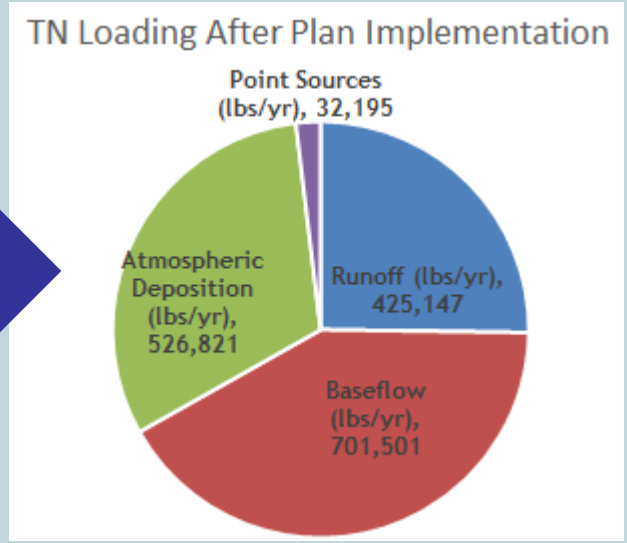
Reduce – Stormwater Loading



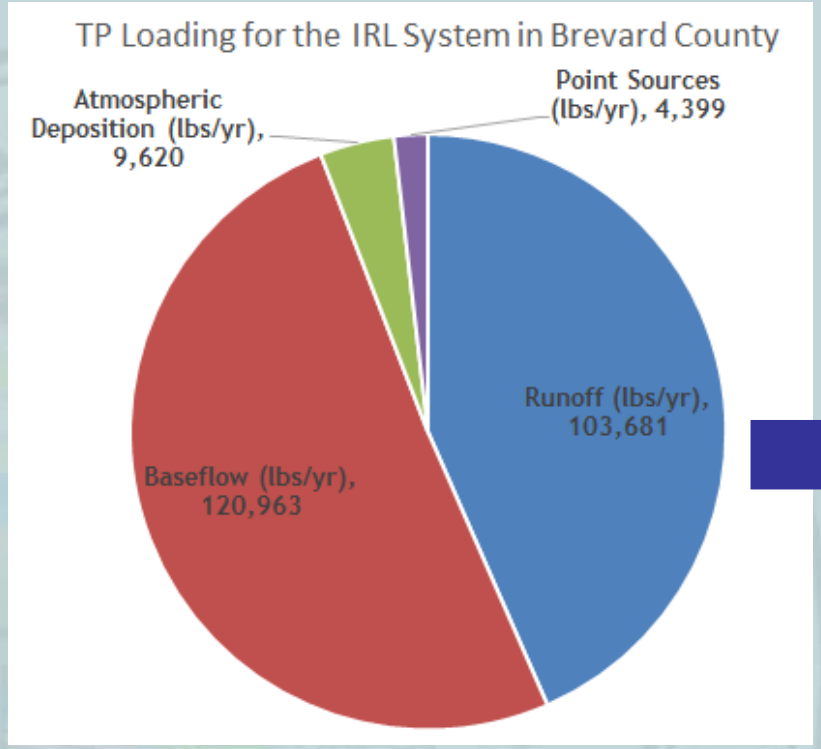


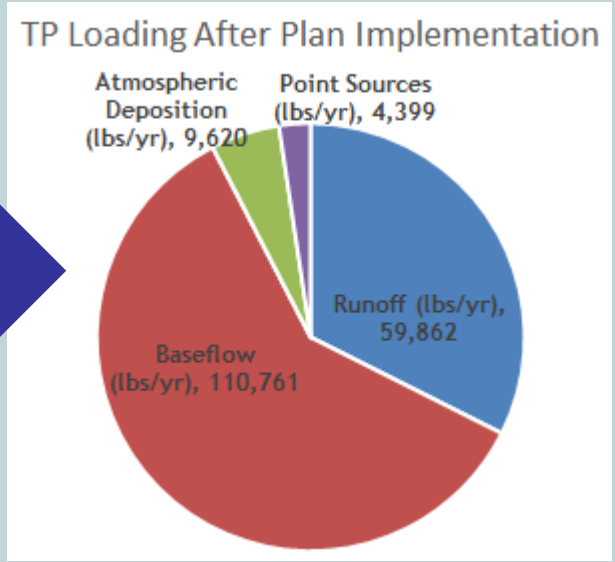
Nitrogen Loading Before and After Plan Implementation





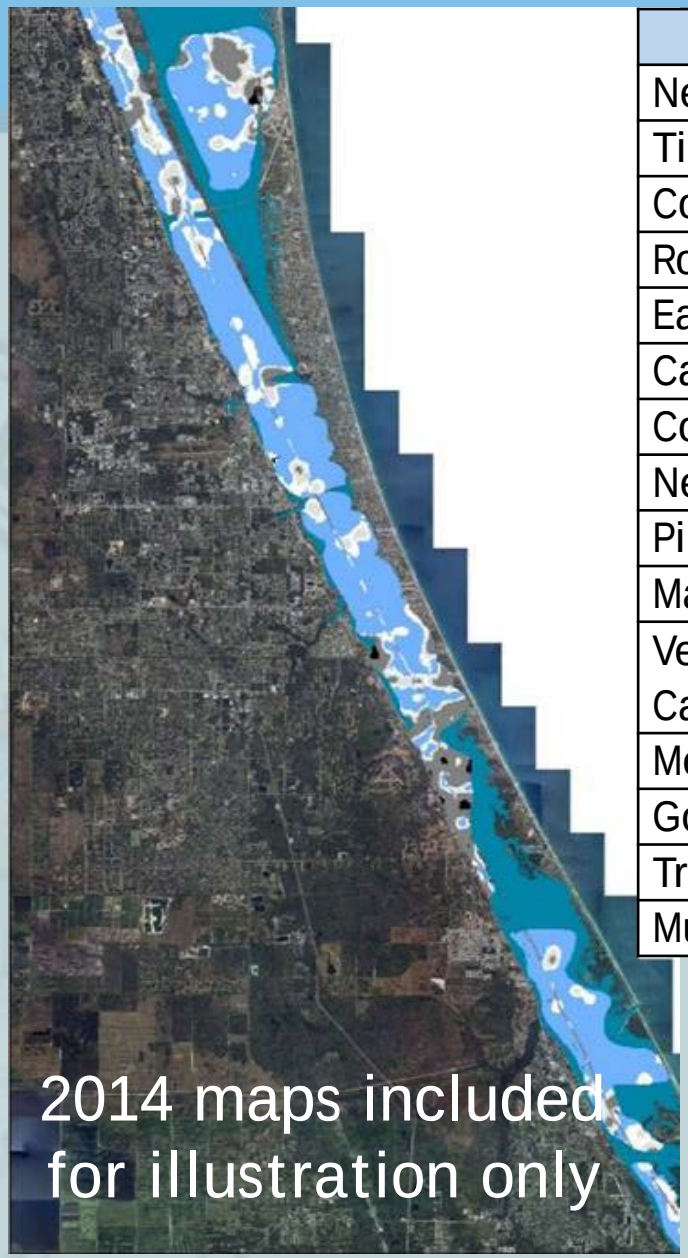
Phosphorus Loading Before and After Plan Implementation





Remove – Detrimental Muck





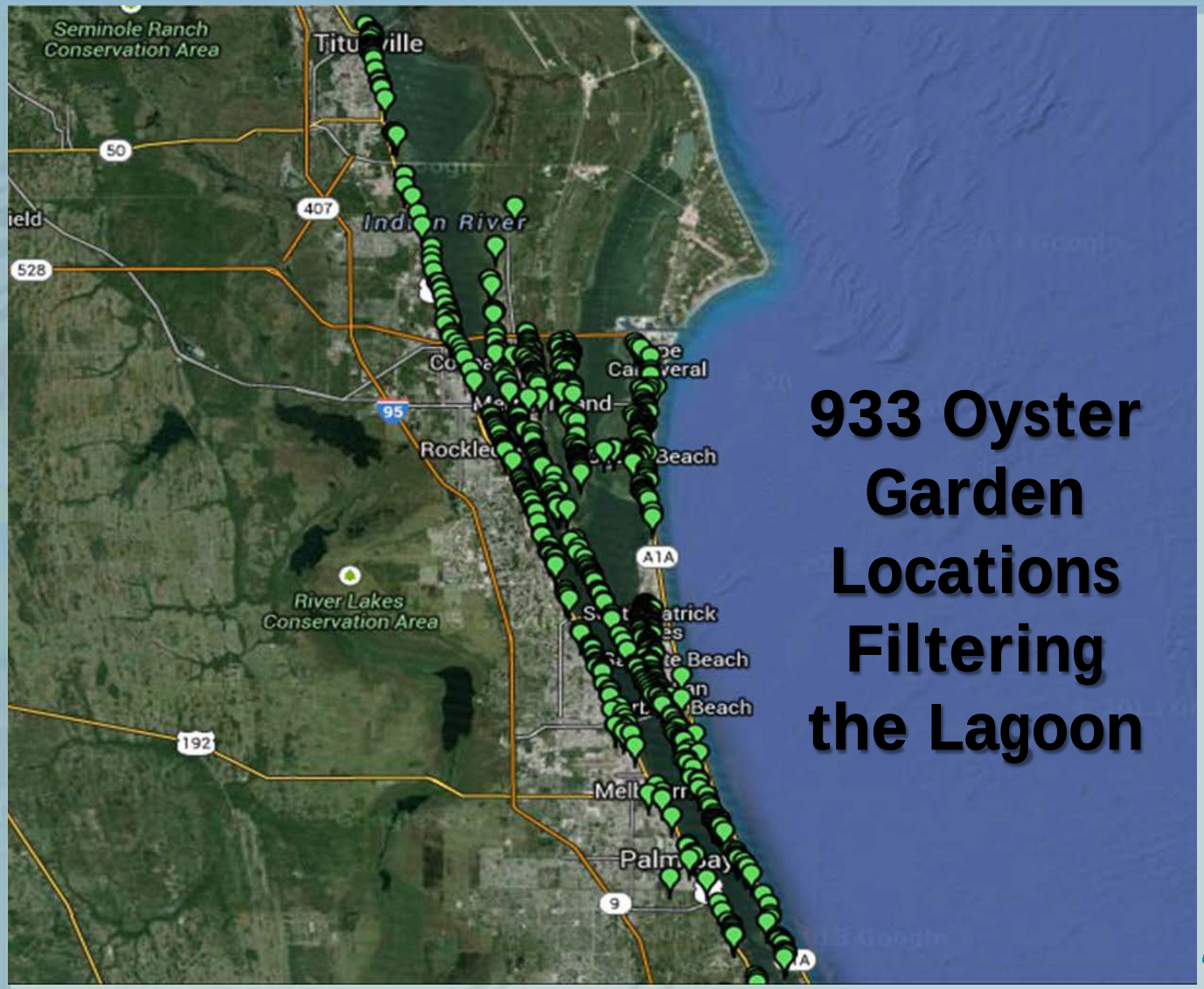
Locations
Near Haulover Canal
Titusville Area
Cocoa Area
Rockledge Area
Eau Gallie Area
Cape Canaveral Area
Cocoa Beach Area
Newfound Harbor Area
Pineda Causeway Area
Mathers Bridge Area
Venetian Collector Canals/Channels
Melbourne Causeway Area
Goat Creek Area
Trout Creek Area
Mullet Creek Islands Area

Remove – Detrimental Muck

- **Focus on largest muck deposits in the open waters of the lagoon**

Location	TN Flux Reduction (lbs/yr)	Project Cost	Cost/lb/yr of TN Removed	TP Flux Reduction (lbs/yr)	Cost/lb/yr of TP Removed
Mosquito Lagoon	35,000	$16,100,000	$460	5,250	$3,067
North IRL	231,500	$89,250,000	$386	34,700	$2,572
Banana River Lagoon	165,300	$71,750,000	$434	24,800	$2,893
Central IRL	59,500	$21,000,000	$353	8,900	$2,400

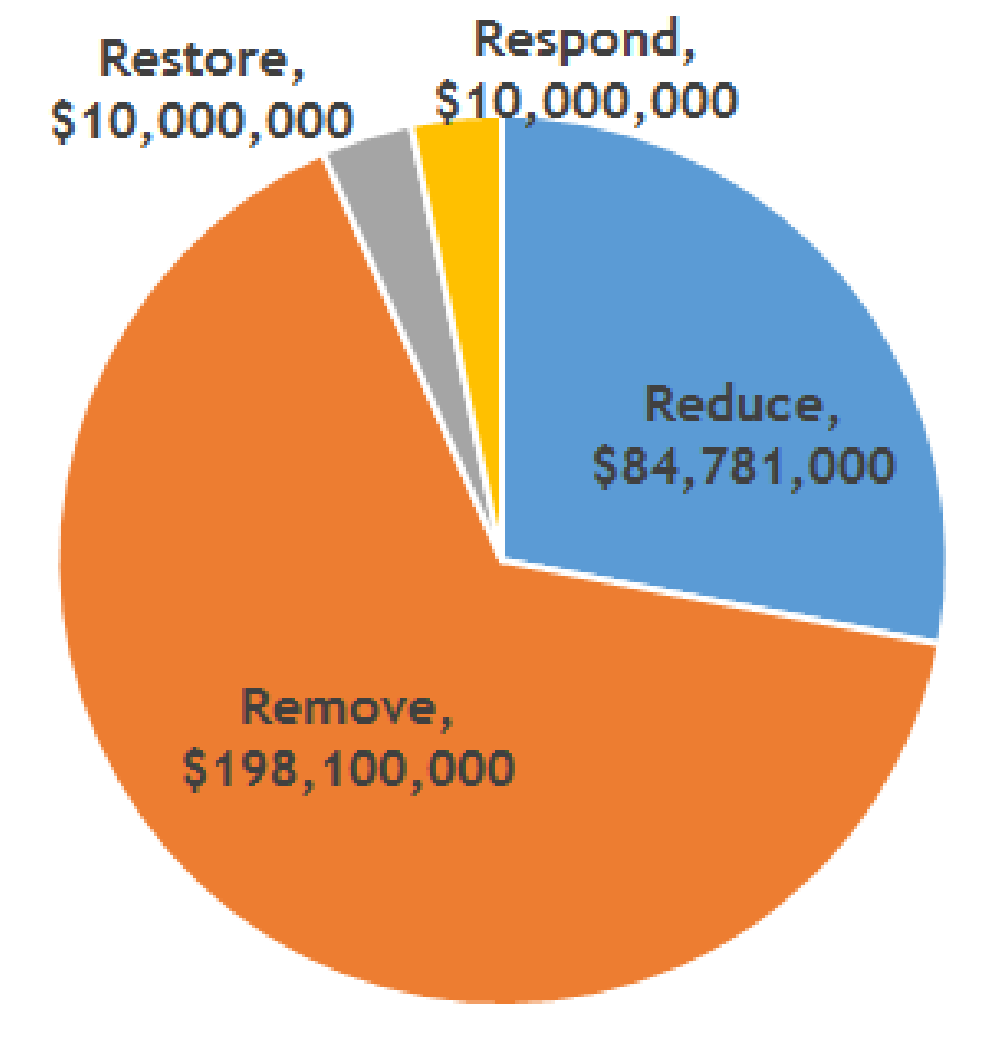
Restore – Oyster Bars/Living Shorelines



Restore – Oyster Bars/Living Shorelines

- 20 miles of shoreline oyster bars would filter the lagoon volume annually
- Cost: $10 million
- Benefit: 21,120 lbs/yr of TN and 7,181 lbs/yr of TP reductions
- Efficiency: $473/lb of TN/yr
- Estimated benefit based on information from Chesapeake Bay area
  - Benefits in IRL will likely be greater

Project Plan Expenditures



Respond – Citizen Oversight

- **Transparency –**
  - **Were projects on schedule?**
- **Accountability –**
  - **Were project cost estimates correct?**
- **Performance –**
  - **Are the projects reducing pollution, as planned?**
- **Responsive Management -**
  - **Are there better projects to go in the plan?**

Respond – Adaptive Management of the Plan

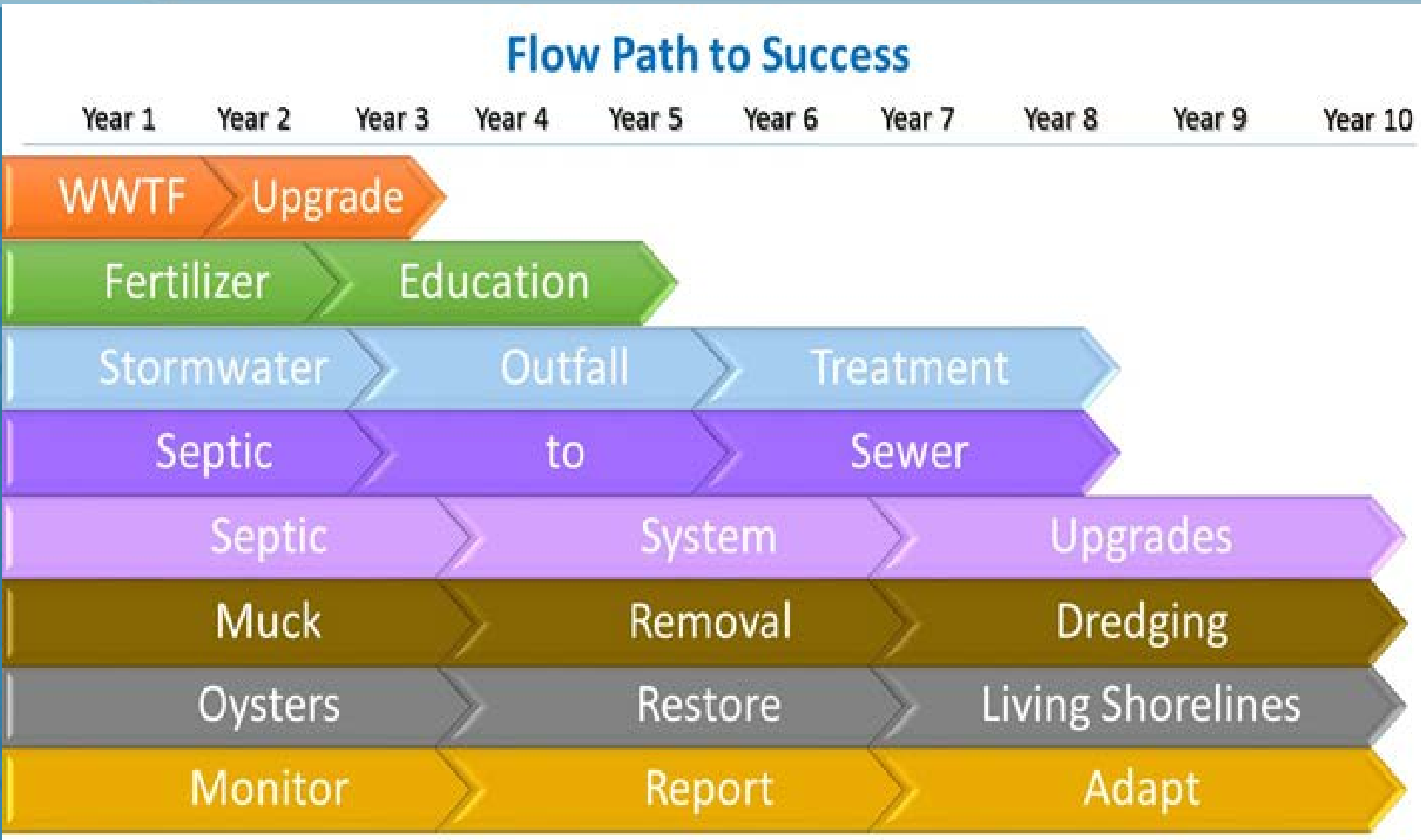
- STEAM Team - Volunteer Citizen Oversight
  - Scientists
  - Technology entrepreneurs
  - Economists/Finance
  - Real estate interests
  - Education/outreach
  - Tourism/nature-based tourism
  - Lagoon advocacy
- League of Cities nominates ½ of Team
- Board of County Commissioners nominates ½

Summary of Plan Benefits

Project Category	Project Type	Estimated Total Project Cost	Nitrogen Reductions (lbs/yr)	Average Cost/lb/yr of TN	Phosphorus Reductions (lbs/yr)	Average Cost/lb/yr of TP
Reduce	Fertilizer Management/Public Education	$625,000	6,123	$102	813	$769
	WWTF Upgrades for Reclaimed Water	$9,400,000	40,778	$214	TBD	TBD
	Septic System Removal	$41,764,000	56,509	$852	N/A	N/A
	Septic System Upgrades	$22,192,000	27,659	$802	N/A	N/A
	Stormwater Projects	$10,800,000	118,440	$88	17,026	$612
Remove	Muck Removal	$198,100,000	491,300	$408	73,650	$2,733
Restore	Oyster Reef Living Shorelines	$10,000,000	21,120	$473	7,181	$1,393
Respond	Projects Monitoring	$10,000,000	N/A	N/A	N/A	N/A
Total	***Total***	***$302,881,000***	***761,929***	***$398***	***98,670***	***$1,377***

brevard COUNTY

Summary of Plan Benefits



Save Our Lagoon Project Plan

Funding Options for Plan Implementation

Virginia Barker, Director

Natural Resources Management Department

How Can We Fund the Plan?

Option 1: Voter-approved County-wide Ad Valorem levy

- Save Our Lagoon Special Taxing District
- 1 mill ($1 per $1000 of taxable value)
- 10 year sunset
- $32 million per year
- 10-year total of $320 million

Grants could accelerate schedule and benefits

How Can We Fund the Plan?

Option 2: Voter-approved County-wide Ad Valorem levy

- Save Our Lagoon Special Taxing District
- 1/2 mill (50¢ per $1000 of taxable value)
- 20 year sunset
- $16 million per year
- 20-year total of $320 million

Grants could accelerate schedule and benefits

How Can We Fund the Plan?

Option 3: Voter-approved County-wide Ad Valorem levy

- Save Our Lagoon Special Taxing District
- 1/2 mill (50¢ per $1000 of taxable value)
- 10 year sunset
- $16 million per year
- 10-year total of $160 million
- Must leverage $143 million from grants/Legislative appropriations

How Can We Fund the Plan?

Option 4: Voter-approved County-wide Infrastructure Sales Tax

- Save Our Lagoon Special Taxing District
- 1/2 cent
- 10 year sunset
- $34 million per year
- 10-year total of $340 million
- Negotiate municipal revenue sharing agreements, not statutory formula

Grants could accelerate schedule and benefits

How Can We Fund the Plan?

Option 5: Other combinations of

- Levies
- Timeframes
- Uses
- Matching funds

Acknowledgements

Scientist Subject Matter Experts:

- Dr. Duane DeFreese, Indian River Lagoon National Estuary Program and Indian River Lagoon Council Executive Director
- Dr. Richard (Grant) Gilmore, expert in Indian River Lagoon fisheries and ecology
- Dr. Charles Jacoby, St. Johns River Water Management District Supervising Environmental Scientist
- Dr. Kevin Johnson, Florida Institute of Technology Associate Professor, Marine and Environmental Systems
- Dr. Mitchell A Roffer, Florida Institute of Technology Adjunct Professor, President Roffer's Ocean Fishing Forecasting Service, Inc.
- Dr. Jonathan Shenker, Florida Institute of Technology Associate Professor of Marine Biology
- Dr. John Trefry, Florida Institute of Technology Professor of Marine and Environmental Systems
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- St. Johns River Water Management District
- Florida Department of Health
- Space Coast Tourism Development Council
- Space Coast Association of REALTORS®
- Brevard County Natural Resources Management Department
- Brevard County Utility Services Department
- Brevard County Property Appraiser Information Technology
- Brevard County Budget Office
- Canaveral Port Authority

Municipalities:

- Titusville
- Cocoa
- Rockledge
- Melbourne
- West Melbourne
- Palm Bay
- Cape Canaveral
- Cocoa Beach
- Satellite Beach

County Natural Resources Management Staff

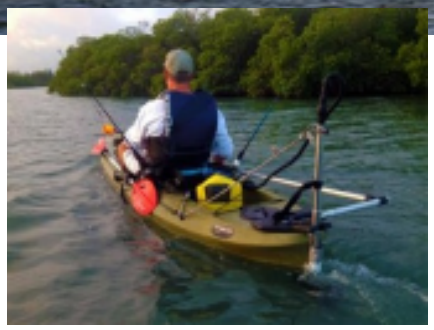


Vision of Success

Healthy Lagoon
Fiscally Responsible Plan
Science-Based
Data-Driven
Responsive
Transparent Citizen Oversight

Save Our Lagoon Project Plan
for
Brevard County, Florida









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Contract: 260070-14-009
Task Order: 14-009-001

July 2016

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Acknowledgements

We would like to thank the following people who provided input in the development of this plan:

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Bottom left from http://saltfishing.about.com/od/Best-Saltwater-Fishing-Destinations/fl/Kayak-Fishing-the-Indian-River-Lagoon.htm
Bottom middle from http://visitportcanaveral.com/fishing/
Bottom right from https://www.facebook.com/RocketmanFlorida/

List of Acronyms

AFB	Air Force Base
BAM	Biosorption Activated Media
BMAP	Basin Management Action Plan
BMP	Best Management Practice
CBPO	Chesapeake Bay Program Office
CCMP	Comprehensive Conservation and Management Plan
EMV	Expected Monetary Value
ERU	Equivalent Residential Unit
FDACS	Florida Department of Agriculture and Consumer Services
FDEP	Florida Department of Environmental Protection
FDOH	Florida Department of Health
FDOT	Florida Department of Transportation
FWC	Florida Fish and Wildlife Commission
FY	Fiscal Year
GI	Green Infrastructure
GIS	Geographic Information System
IFAS	Institute of Food and Agricultural Sciences
IRL	Indian River Lagoon
LID	Low Impact Development
MAPS	Managed Aquatic Plant Systems
MGD	Million Gallons Per Day
NEP	National Estuary Program
SJRWMD	St. Johns River Water Management District
SRF	State Revolving Fund
STEAM	Science Technology and Economic Adaptive Management (team)
STEP	Septic Tank Effluent Pumping (system)
SWIL	Spatial Watershed Iterative Loading (model)
TMDL	Total Maximum Daily Load
TN	Total Nitrogen
TP	Total Phosphorus
UF	University of Florida
USEPA	U.S. Environmental Protection Agency
WRF	Water Reclamation Facility
WWTF	Wastewater Treatment Facility

Executive Summary

The Indian River Lagoon (IRL) system includes Mosquito Lagoon, Banana River Lagoon, and Indian River. This is a unique and diverse system that connects Volusia, Brevard, Indian River, St. Lucie, and Martin counties. The IRL is part of the National Estuary Program (NEP), one of 28 estuaries of National Significance, and has one of the greatest diversity of plants and animals in the nation. A large portion of the IRL system, 71% of its area and nearly half its length, is within Brevard County and provides County residents and visitors many opportunities and economic benefits.

However, the balance of this delicate ecosystem has been disturbed as development in the area has led to harmful impacts. Stormwater runoff from urban and agricultural areas, wastewater treatment facility (WWTF) discharges, septic systems, and excess fertilizer applications have led to harmful levels of nutrients and sediments entering the lagoon. These pollutants create cloudy conditions in the lagoon and feed algal blooms, both of which negatively affect the seagrass community that provides habitat for much of the lagoon's marine life. In addition, these pollutants lead to muck accumulation, which releases (fluxes) nutrients and hydrogen sulfide, depletes oxygen, and creates a lagoon bottom that is not hospitable to seagrass, shellfish, or other marine life.

Efforts have been ongoing for decades to address these sources of pollution. Despite significant load reductions, in the last five years, signs of human impact to the IRL system have been magnified. In 2011, the "superbloom" occurred, an intense algal bloom in the Mosquito Lagoon, Banana River Lagoon, and North IRL, as well as a secondary, less intense bloom in the Central IRL. There have also been recurring brown tides; unusual mortalities of dolphins, manatees, and shorebirds; and large fish kills due to low dissolved oxygen from decomposing algae.

Local governments and the St. Johns River Water Management District (SJRWMD) have been proactive in implementing projects over the last several decades. However, to restore the lagoon to health and prosperity, additional funds are needed to eliminate current excess loading and remove the legacy of previous excess loading. Therefore, the County is proposing to place a Save Our Lagoon referendum on the ballot in November 2016. This referendum would provide a funding stream for the types of projects listed in this plan for Brevard County and its municipalities.

This Save Our Lagoon Project Plan outlines local projects planned to meet water quality targets and improve the health, productivity, aesthetic appeal, and economic value of the lagoon. Implementation of these projects is contingent upon funding raised through the referendum. This referendum funding would also allow the County to leverage additional dollars in match funding from state and federal grant programs because the IRL ecosystem is valued not only in Florida but also nationally. Funding implementation of this plan would help to restore this national treasure. Lagoon ecosystem response may lag several years behind completion of nutrient reductions; however, major steps must begin now to advance progress on the long road to recovery.

In the development of this plan, Subject Matter Experts were consulted to provide feedback on the plan elements. The experts all agreed that there is a "critical mass" of nutrient reductions that must be achieved to see a beneficial result in the IRL. This critical level of nutrient reduction will be achieved through the implementation of the projects in this plan. During plan development, it was estimated that the benefit of restoring the lagoon has a present value of $6 billion and a cost of $300 million. Therefore, implementing this plan to restore the IRL is an excellent investment in the future of Brevard County's community and economy with a benefit to cost ratio of 20:1.

In order to restore the lagoon's balance, Brevard County seeks to accelerate implementation of a multi-pronged approach to **Reduce** pollutant and nutrient inputs to the lagoon from fertilizer, reclaimed water from WWTFs, septic systems, and stormwater; **Remove** the accumulation of muck from the lagoon bottom; **Restore** water-filtering oysters and related lagoon ecosystem services; and monitor progress to **Respond** to changing conditions, technologies, and new information by amending the plan to substitute actions that will be most successful and cost-effective for significantly improving the health, productivity, and natural resilience of the IRL.

The portfolio of projects in this plan were selected as the most cost-effective suite of options to achieve water quality and biological targets for the lagoon system. Investment has been distributed among a set of project types with complimentary benefits to reduce future risk of failure. Nearly two-thirds (2/3) of the effort and expense is directed toward muck removal to address decades of past excess nutrient loading. Approximately one-third (1/3) of the effort is split among multiple efforts to reduce incoming load to healthy levels, restore natural filtration, measure success, and respond with annual plan updates. The plan projects have been prioritized and ordered to deliver improvements to the lagoon in the most beneficial spatial and temporal sequence. The implementation of this plan is expected to result in a healthy IRL system.

A summary of the types of projects included in the plan, as well as the associated costs and nutrient reduction benefits are shown in **Table ES-1**. The timing of the projects is shown in **Figure ES-1**. Despite the considerable cost of restoration, analysis demonstrates that the economic cost of inaction is double the cost of action. Furthermore, although there are many tangible and intangible benefits for saving the lagoon, the readily estimated return on investment for three benefits – tourism, waterfront property values, and commercial fisheries – is 10% to 26% depending on how quickly the actions in this plan can be completed.

Table ES-1: Summary of the Project Types, Costs, and Nutrient Reductions from the Save Our Lagoon Project Plan

Project Category	Project Type	Estimated Total Project Cost	Nitrogen Reductions (lbs/yr)	Average Cost/lb/yr of TN	Phosphorus Reductions (lbs/yr)	Average Cost/lb/yr of TP
Reduce	Fertilizer Management/Public Education	$625,000	6,123	$102	813	$769
	WWTF Upgrades for Reclaimed Water	$9,400,000	40,778	$214	TBD	TBD
	Septic System Removal	$41,764,000	56,509	$852	N/A	N/A
	Septic System Upgrades	$22,192,000	27,659	$802	N/A	N/A
	Stormwater Projects	$10,800,000	118,440	$88	17,026	$612
Remove	Muck Removal	$198,100,000	491,300	$408	73,650	$2,733
Restore	Oyster Reef Living Shorelines	$10,000,000	21,120	$473	7,181	$1,393
Respond	Projects Monitoring	$10,000,000	N/A	N/A	N/A	N/A
Total	***Total***	***$302,881,000***	***761,929***	***N/A***	***98,670***	***N/A***

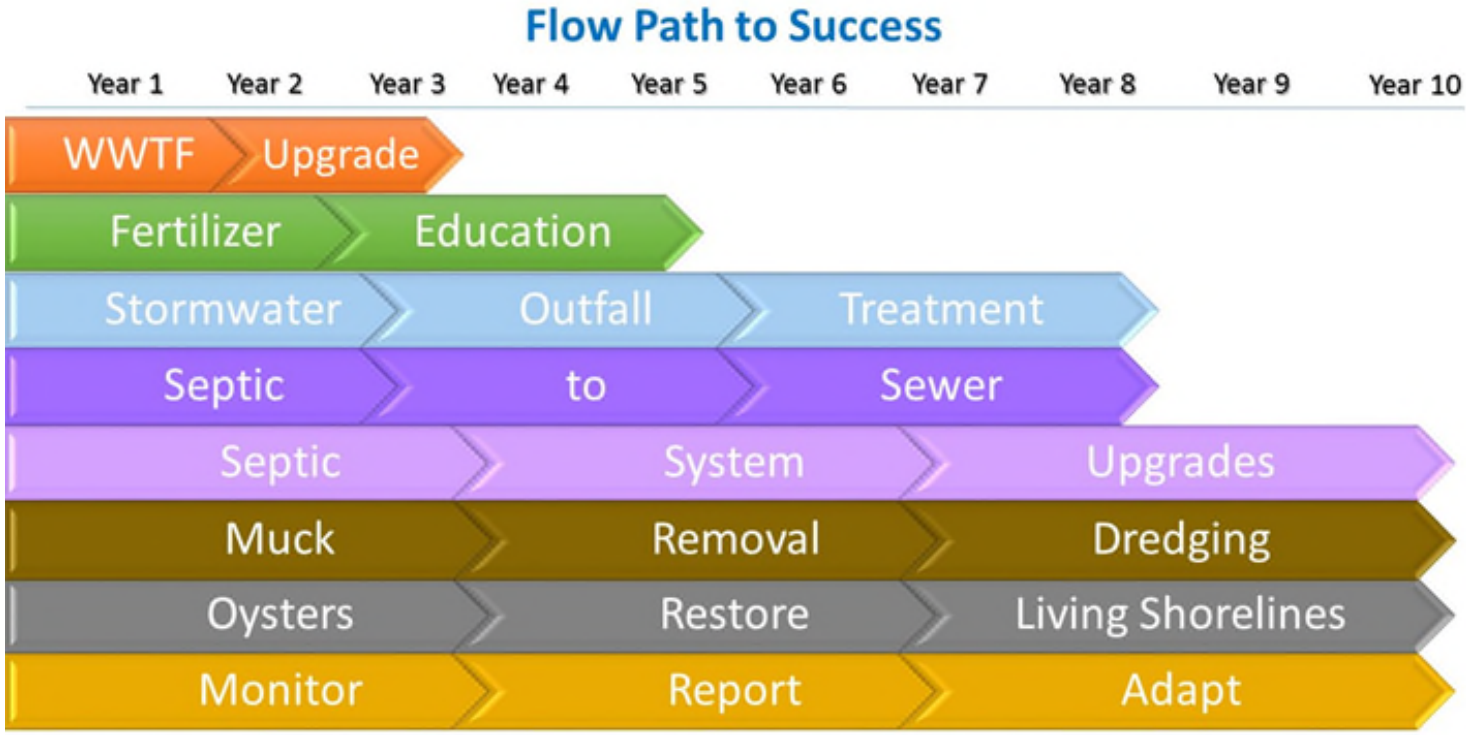


Figure ES-1: Save Our Lagoon Project Implementation Schedule

Section 1. Background

The Indian River Lagoon (IRL) system includes Mosquito Lagoon, Banana River Lagoon, and Indian River. A large portion of the IRL system, 71% of its area and nearly half its length, is within Brevard County (County) and provides County residents and visitors many opportunities.

However, the balance of this delicate ecosystem has been disturbed as development in the area has led to harmful impacts. Stormwater runoff from urban and agricultural areas, wastewater treatment facility (WWTF) discharges, septic systems, and excess fertilizer applications have led to harmful levels of nutrients and sediments entering the lagoon. In addition, these pollutants lead to muck accumulation on the lagoon bottom, which fluxes nutrients and creates a lagoon bottom that is not conducive to seagrass, shellfish, or benthic invertebrate growth.

Efforts have been ongoing to address these sources of pollution. The Indian River Lagoon System and Basin Act of 1990 (Chapter 90-262, Laws of Florida) was enacted to protect the IRL system from WWTF discharges and the improper use of septic tanks. The act includes three objectives: elimination of surface water discharges, investigation of feasibility of reuse, and centralization of wastewater collection and treatment facilities (Florida Department of Environmental Protection [FDEP] 2016). This act led to the removal of effluent discharges to the lagoon from more than 40 WWTFs (St. Johns River Water Management District [SJRWMD] 2016a).

Stormwater regulations were adopted in unincorporated Brevard County in 1978 and adopted statewide in 1989. Due to stormwater regulations, stormwater treatment systems were constructed along with all new development exceeding size thresholds. Privately owned and operated stormwater treatment systems have prevented more than a million pounds of sediments from entering the lagoon since 1989 (SJRWMD 2016a). Stormwater treatment projects also reduce nutrient inputs to the lagoon. In addition, dredging projects have been ongoing since 1998 to remove muck from the lagoon and major tributaries, including Crane Creek, Turkey Creek, and St. Sebastian River (SJRWMD 2016a). These stormwater treatment and muck removal projects contributed to significant improvements in water quality and water clarity in the lagoon, which allowed for a great expansion of seagrass from 2000-2010.

However, in the last five years, human impacts on the IRL system have been magnified. In 2011, the “superbloom” occurred, an intense algal bloom in the Mosquito Lagoon, Banana River Lagoon, and North IRL, as well as a secondary, less intense bloom in Central IRL. The extent and longevity of the bloom had a detrimental impact on seagrass. There have also been recurring brown tides; unusual mortalities of dolphins, manatees, and shorebirds; and large fish kills due to low dissolved oxygen from decomposing algae.

In 2009, to improve lagoon water quality and restore seagrass, FDEP adopted total maximum daily loads (TMDLs) for total nitrogen (TN) and total phosphorus (TP) allowed to discharge to the Banana River Lagoon, North IRL, and Central IRL. The purpose of these TMDLs is to reduce nutrients that lead to algae growth, which block sunlight from seagrass and create low dissolved oxygen conditions that affect fish in the lagoon. To implement these TMDLs, FDEP adopted three basin management action plans (BMAPs) that outline responsibilities for reductions by the local stakeholders, list projects, and stipulate a timeline for implementation. The intent of the nutrient reductions is to provide water quality conditions that should result in seagrass growth in the lagoon at historical levels. Brevard County has a major responsibility in all three BMAPs along with its 16 municipalities, Florida Department of Transportation (FDOT) District 5, Patrick Air Force Base (AFB), NASA – Kennedy Space Center, and agriculture.

Since 2012, Brevard County has led an effort with its municipalities, FDOT District 5, and Patrick AFB to update the estimates of nutrient loadings to the lagoon. The County and its partners teamed with several consultants to develop the Spatial Watershed Iterative Loading (SWIL) model that revised the estimates of loading by source to the lagoon (refer to **Section 2** for more details) and to update the TMDLs. The loading estimates and TMDL targets referenced in this plan are from these efforts, as they are based on the most up-to-date data and analyses.

Damage to the lagoon has been occurring for decades and will require time and money to reverse. An important example is the accumulation of muck on the bottom of 10% of the IRL. This muck kills marine life and releases stored pollutants into the IRL. To address the damage to the IRL system, in 1990, Brevard County implemented a stormwater utility assessment, which established an annual assessment rate of $36 per year per equivalent residential unit (ERU) that stayed at this level until 2014. The rate increased to $52/ERU for 2014 and 2015, and increased to $64/ERU in 2016. This raised collections from $3.4 million (in 2014) to $6.0 million (projected for 2016). Of the funding raised, a portion is available for capital improvement programs or other stormwater best management practices (BMPs), and is split between water quality improvement programs and flood control and mitigation programs. In addition, funding is spent on annual program operating expenses. Operation and maintenance includes National Pollutant Discharge Elimination System permit compliance activities (street sweeping, trap and box cleaning, and aquatic weed harvesting), outfall/ditch treatments, small scale oyster restoration, as well as harvesting and replanting of floating vegetative islands.

While revenues from this stormwater assessment, over the last 10 years, have funded many projects, a significant portion of projects have been partially funded by grants. When applicable, federal water quality grants provide up to 60% matching funds, state TMDL grants provide up to 50% match, and SJRWMD cost-share grants fund up to 33% of construction. All of these grant programs are highly competitive and subject to variable state and federal appropriations, as well as changing priorities.

Due to funding limitations and the continuing degradation of key indicators of health in the IRL, such as seagrass and fish, Brevard County identified a need for additional funding to implement projects identified as critical to lagoon restoration. Therefore, the County is proposing to place a Save Our Lagoon referendum on the ballot in November 2016. This referendum would provide a funding mechanism for the projects listed in this plan (or future annual updates) for the County and its municipalities. If the referendum passes, revenue collection would begin during 2017.

This Save Our Lagoon Project Plan outlines projects planned to meet updated TMDL targets and improve the health, productivity, aesthetic appeal, and economic value of the lagoon. Almost all of these projects are contingent upon additional fundraising. Furthermore, additional local funding could be used to leverage significantly more in match funding from state and federal grant programs. The IRL ecosystem is an asset valued not only in Florida but also nationally; therefore, implementation of this plan would help to restore this national treasure. Response of the lagoon ecosystem may lag for several years behind completion of nutrient reduction implementation; however, action must be accelerated now to ensure restoration succeeds over time.

1.1. Return on Investment and Economic Value

The economic value of the lagoon system was evaluated during development of this plan. It was estimated that at least a total present value of $6 billion is tied to restoration of the IRL. There is approximately $2 billion in benefits from restoration and an estimated $4 billion in damages if the IRL is not brought back to health during the next decade.

If viewing this project plan purely as a financial investment that pays the $2 billion in benefits alone (i.e. not counting the avoidance of the $4 billion loss), the projected pretax internal rate of return is 10%, if the plan takes 20 years to implement. However, if the County were to bond the referendum revenue to accelerate implementation of this plan over 5 years instead of 20 years, the return on investment rises significantly to 26% because the benefits of restoration would begin to accrue much faster. Based on the sensitivity of the rate of return to the speed of plan implementation, it would be financially responsible and beneficial for the County to borrow money at a typical 4% annual bond rate in order to accelerate implementation in order to achieve the 26% return on investment. In annualized terms, borrowing $300 million at 4% to achieve a steady 26% annual return would contribute $63 million in annual positive cash flow; making bonding an excellent investment choice.

Table 1 documents projections of three economic engines likely to have significant economic impacts on Brevard County residents with positive impacts if the IRL is restored versus negative impacts if the IRL is not restored. Additional detail on each of these impacts is provided in **Section 1.1.1**. The upper part of the table lists the economic benefits for restoring a healthy IRL while the lower part of the table lists the economic costs of declining IRL health in the absence of restoration through plan implementation.

Economic impacts in the table are expressed both as annual cash flows and as the discounted expected present value of those cash flows over a 30-year financial plan period. Expected present value is an economic indicator used in business to express the present monetary value of a future stream of cash flows. This expected monetary value discounts the future stream by an interest rate and also discounts it further by a probability factor to account for the uncertainty of future events. Therefore, the expected present value of IRL economic benefits shown in **Table 1** is much less than the sum of those future cash flows.

Today there is a $6 billion decision point for the IRL. Despite unprecedented algae blooms and fish kills, conditions could become worse. If large-scale fish kills continue with increasing frequency, algae blooms continue or become toxic, or there is a pathogen outbreak, then real estate, tourism, and the quality of life and health for Brevard County residents would likely suffer.

Table 1: Economic Impact Scenarios Based Upon the Condition of the IRL

Economic Benefits for Restoring a Healthy IRL	Annual Cash Flow	Expected Present Value
Tourism and Recreation Growth	$95 million	$997 million
Property Value Growth	$81 million	$852 million
Rebirth of Commercial Fishing (excludes indirect benefits)	$15 million	$159 million
Healthy Residents and Tourists	Not quantified	Not quantified
Total Benefits	***$191 million***	***$2.01 billion***
Economic Costs of Declining IRL Health	**Annual Cash Flow**	**Expected Present Value**
Tourism and Recreation at Risk	-$237 million	-$3 billion
Property Value at Risk	-$92 million	-$1.2 billion
Decline of Commercial Fishing (excludes indirect impacts)	-$6 million	-$87 million
Potential Pathogen Impacts to Residents and Tourists	Not quantified	Not quantified
Total Damages	***-$335***	***-$4.29 billion***

1.1.1 Areas of Economic Value at Risk

Tourism and Recreation

Today's tourism revenue in Brevard County comes primarily from the beaches. In order to diversify the tourism base and increase revenue, Brevard County has developed a plan to increase ecotourism, a globally growing and high value sector of tourism that depends on restoration and maintenance of a healthy IRL. High value ecotourism relies on exceptional natural experiences including fishing, bird watching, kayaking, paddle boarding, camping, hiking, and nature tours. In the short-term, there are opportunities for tourists to participate in restoration experiences, such as collecting mangrove seeds by kayak or canoe, planting mangrove seedlings, or establishing colonies of clams, oysters, or mussels. A successful example of Brevard County ecotourism is the world famous annual Space Coast Birding and Wildlife Festival that brings $1.2 million annually to the County and attracts approximately 5,000 visitors.

Property Value

While the economic benefits of IRL restoration are likely to increase property value throughout the County, to be conservative this plan assessed the exposure only to properties with frontage on Mosquito Lagoon, IRL, Banana River Lagoon, Sykes Creek, and connected waterways. Approximately 11.2% of the County's $27 billion in taxable property value is directly on the IRL. Therefore, more than $3 billion in taxable property value is directly at risk with ongoing IRL issues, such algal blooms and fish kills. Furthermore, a weighted-average millage rate of 18.58 results in an estimated annual tax revenue of $56 million that is also at risk in the absence of IRL restoration. The $852 million of incremental expected present value assumes a 20% improvement in IRL frontage property value, which would be 90% likely after 10 years with the IRL restored.

Consultants for the County surveyed the Space Coast Association of REALTORS® to assess the likely impacts of IRL health on the waterfront property value. Approximately 170 REALTORS® most familiar with the waterfront market replied to the survey. These professionals assessed that waterfront IRL property values would increase 22% on average over five years if the IRL were healthy and would decrease by 25% over five years if the lagoon were not restored.

Commercial Fishing

IRL restoration is critical to the recovery of a once thriving, valuable, and world-class fishery, both commercial and recreational. In 1995, the commercial fish harvest in Brevard County was $22 million annually. While a 1995 ban on commercial net fishing marked economic decline, the degradation of the lagoon system contributed considerably to a severe reduction in value of only $6.7 million annually in 2015, based on Florida Fish and Wildlife Conservation Commission (FWC) data (see **Figure 1**). These numbers do not include the many indirect benefits of a robust commercial fishing industry including fresh local fish for restaurants, employment, commerce of supplies and services for the industry, and benefits of local fresh fish for residents and visitors.

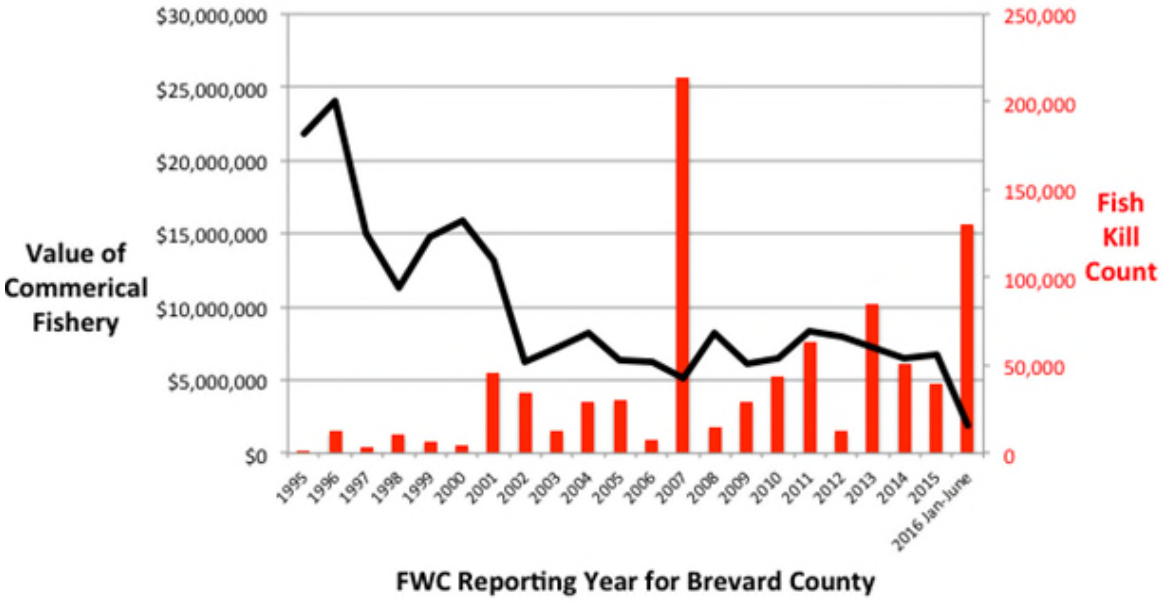


Figure 1: Decline of Commercial Fishing and Increasing Fish Kill Severity

In addition, a healthy fish population is critical to the brand of any coastal community. Historically Brevard County was once home to a world-class abundance and diversity of rare and widespread species of fish, crabs, shrimp, and clams that made the IRL a global brand. That brand can be restored along with the fish and shellfish of the IRL.

Healthy Residents and Tourists

There are almost 82,000 permitted septic systems within Brevard County, of which nearly 59,500 septic systems pollute groundwater that migrates to the lagoon. This groundwater moves slowly toward the lagoon through soils that attenuate some but not all of these pollutants. It would cost at least $1.19 billion to convert all 59,500 septic tanks to central sewage treatment. While total conversion is cost prohibitive, this plan targets the septic systems with the highest potential impacts to the lagoon. Targeted action includes connection to the central sewer system or upgrade to advanced treatment systems that remove significantly more nutrients and pathogens than traditional septic systems.

Although there are studies that have identified pathogens migrating from septic systems into waterways, it is not possible to estimate the economic impact of potential disease from these waterborne pathogens. The conversion of septic systems is expensive relative to other types of nutrient reduction projects; however, the additional health benefits associated with septic system upgrades make this option a priority beyond only the abatement of nutrients.

1.2. Managing Risk

There is much at stake with regard to both economic outcomes and the incremental funding critical to restoration; therefore, the County chose to address the unavoidable risks inherent in a multi-year, large-scale restoration plan in a transparent and objective manner. To help ensure objectivity, the County retained outside consultants to assess risk and to estimate potential positive or negative outcomes.

The approach for this plan to evaluate the different project options included using Expected Monetary Value (EMV) models; a decision science tool used in business to improve decision-

making and planning in a context of unavoidable uncertainty. EMV is a financial model of probability-weighted outcomes expressed in quantified financial terms that are comparable across multi-year planning periods. To compare outcomes, expected present value was used as a key metric. Expected present value has the benefit of valuing future financial costs and benefits in common present day terms to take into account the value of time and to facilitate comparisons of initiatives spanning long periods of time.

As part of this methodology, consultants engaged Subject Matter Experts to assess the uncertainties of project scenarios. Subject Matter Experts include scientists, property value experts, tourism experts, lagoon advocates, and agency staff. Subject Matter Experts brought expertise in IRL science, nutrient reduction technologies, waterborne pathogens, and relevant law or county financial and accounting parameters needed for the EMV models. Information gathered during these assessments was used to document the key interdependence of initiatives, minimize risk, and maximize the likely return on investment.

Additional details about this process are included in **Section 5**.

Section 2. Approach

The amount and distribution of nutrient loading from the sources described in **Section 3** were examined to determine the key locations where nutrient reduction projects are needed and the extent of reductions required from each source to achieve the County's proposed TMDLs for each sub-lagoon. For each source, a reduction goal is set and projects are proposed to meet the goal. The estimated cost for each project is also included. Information on expected project efficiencies and project costs were gathered from data collected by the County in implementation of similar projects, as well as literature results from studies in Florida, where available, and across the country. The most cost-effective projects are selected and prioritized to maximize the nutrient reductions that can be achieved.

2.1. Plan Focus Area

This plan focuses on projects implemented in three sub-lagoons in the IRL system: Banana River Lagoon, North IRL, and Central IRL. **Figure 2** shows the locations of these sub-lagoons. All of the Banana River Lagoon watershed and the majority of the North IRL watershed are located within Brevard County. However, only a portion of the Central IRL watershed is located within the County. As shown in **Figure 2**, the majority of Brevard County is located in Zone A of the Central IRL watershed, and achieving reductions in this portion of the Central IRL is the focus of this plan. A portion of the County is also located in Zone SEB. However, the County has completed several projects in this area and SJRWMD is completing projects along the C-54 Canal and on the Wheeler property to treat the Sottile Canal. The reductions from these projects are more than enough to meet the required reductions in the Brevard County portion of Zone SEB, as shown in **Table 2**.

Table 2: Summary of Load Reductions and Projects in Central IRL Zone SEB

Category	TN Load (lbs/yr)	TP Load (lbs/yr)
Stormwater and Baseflow Loading	248,233	34,901
Atmospheric Deposition Loading	22,371	404
Point Sources Loading	0	0
Total Loading	270,604	35,305
5-month TMDL Percent Reductions	38.0%	35.0%
Required Reductions	***102,830***	***12,357***
Completed County Projects (2010-February 2016)	29,890	9,643
C-54 Project	65,974	10,558
Wheeler Property Project	36,582	21,784
Total Project Reductions	***132,446***	***41,985***
% of Required Reductions Achieved	***128.8%***	***339.8%***

In addition, a small portion of the County is located within the Mosquito Lagoon. Brevard County does not have stormwater outfalls, septic systems, or point sources in this sub-lagoon. However, this plan includes a muck removal project within Mosquito Lagoon.

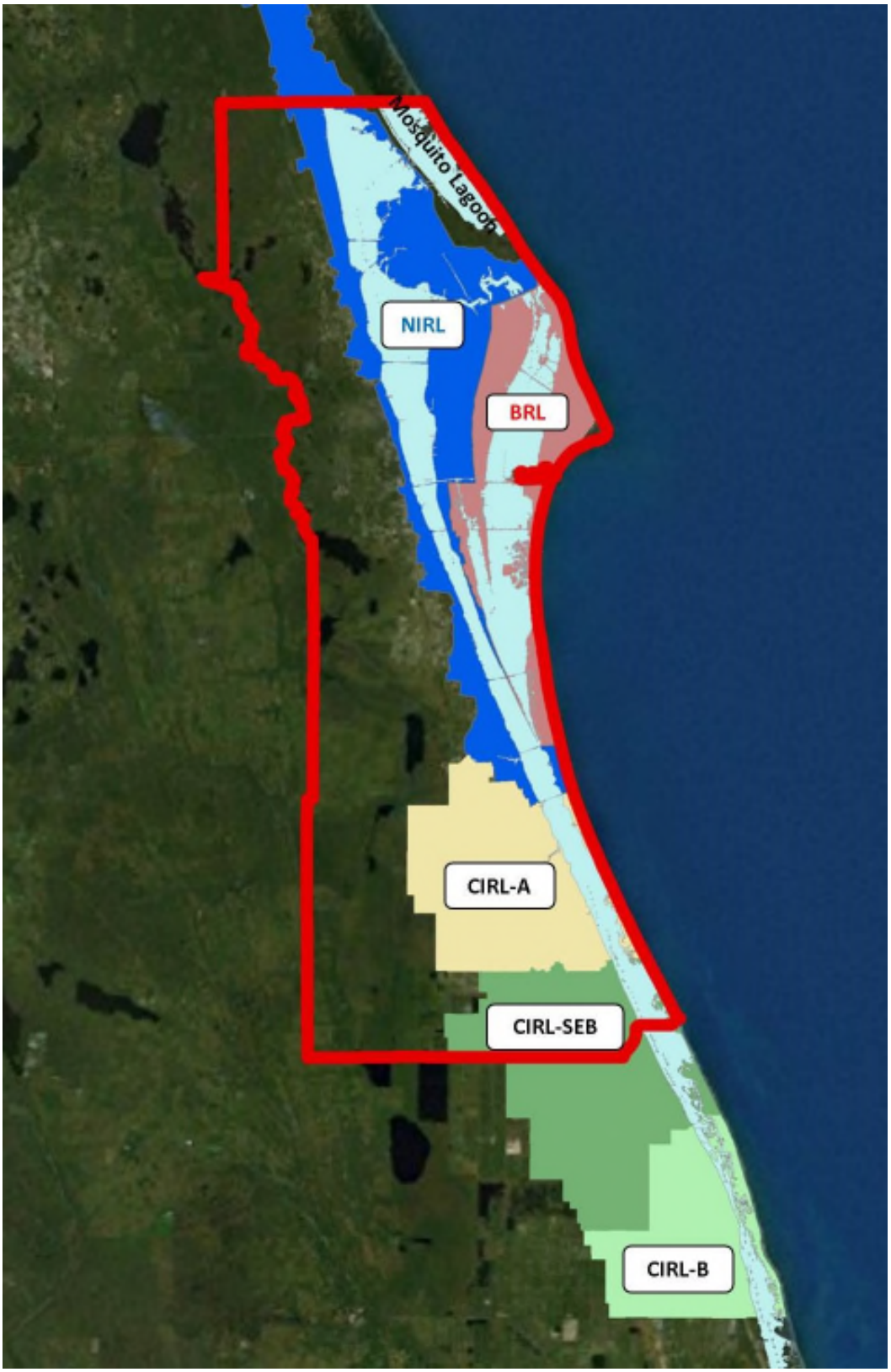


Figure 2: Locations of the Banana River Lagoon (BRL), North IRL (NIRL), and Central IRL (CIRL) Sub-Lagoons

Section 3. Pollutant Sources in the IRL Watershed

Pollutant loads in the IRL watershed are generated from multiple external sources that discharge to the lagoon. Excess loads also accumulate in nutrient sinks within the lagoon, which release nutrients to the water column during certain conditions.

External sources fall into the following major categories:

- Stormwater runoff that occurs when rainfall hits the land and cannot soak into the ground:
  - Urban stormwater runoff is generated by rainfall on impervious areas associated with urban development. Urban runoff picks up and transports nutrient loading from fertilizers and pet waste, as well as other pollutants including sediments, pesticides, oil, and grease.
  - Agricultural stormwater runoff occurs on agricultural land and this runoff also carries nutrients from fertilizers, as well as livestock waste, pesticides, and herbicides. This source of stormwater runoff is not addressed in this plan as the County does not have jurisdiction over agricultural use. The Florida Department of Agriculture and Consumer Services (FDACS) has an agricultural BMP program, and they work with agricultural producers to control the loading from this source.
  - Natural stormwater runoff comes from the natural lands in the basin. This source is not addressed by this plan as natural loading does not need be controlled.
- Baseflow is the groundwater flow that contributes loading to the IRL. Due to the sandy soils in the basin, nutrients can soak quickly into the groundwater with little removal. This groundwater can recharge surface water in ditches, canals, tributaries, or the IRL.
  - Excess fertilizer that soaks into the ground past the root zones.
  - Septic systems, both functioning and failing, contribute nutrient loading to the groundwater.
- Atmospheric deposition that falls on both the land and the lagoon itself:
  - Nutrients in the atmosphere fall into the basin largely during rainfall events. The sources of these nutrients are from power plants, cars, and other sources that burn fossil fuels. However, because of atmospheric conditions and weather patterns, not all of the nutrients from atmospheric deposition are generated within the watershed. Atmospheric loading is not directly addressed by this plan as air quality and air emission standards are regulated by the federal Clean Air Act and are not within the County's control. However, the stormwater projects and in-lagoon projects will treat some of the nutrient loading from atmospheric deposition that falls on the land and lagoon surface.
- Point sources that treat collected sewage and discharge treated effluent:
  - The direct WWTF discharges to the lagoon have been largely removed, and the majority of facilities in the basin use the treated effluent for reclaimed water irrigation. However, depending on the level of treatment at the WWTF, the reclaimed water can have an excessive concentration of nutrients that may contribute loading to the baseflow.

In addition to these external sources of loading to the lagoon, nutrients from muck (muck flux) is an internal source of loading within the lagoon itself. Muck is made up of organic materials from soil erosion on the land and from decay of organic matter (leaves, grass clippings, algae, and aquatic vegetation) in the lagoon. As these organic materials decay, they constantly flux nutrients into the water column above, where they add to the surplus of nutrients coming from external sources.

Table 3 summarizes the estimated loading from these sources in the Banana River Lagoon, North IRL, and Zone A of the Central IRL. The stormwater runoff and baseflow/septic systems loading estimates are from the SWIL model, the point source loading estimates were based on the facility monthly operating reports and discharge monitoring reports, and the atmospheric deposition loads are from measured data at nearby stations. The muck flux load estimates are calculated based on the muck area in each portion of the lagoon and flux estimates from studies in the lagoon (refer to **Section 4.2.1** for more details). The loading from these sources is also shown graphically in **Figure 3, Figure 4**, and **Figure 5**.

Table 3: Loading from Different Sources in Each Sub-lagoon

Source	Banana River Lagoon (with canals)		North IRL		Central IRL Zone A	
	TN (lbs/yr)	TP (lbs/yr)	TN (lbs/yr)	TP (lbs/yr)	TN (lbs/yr)	TP (lbs/yr)
Stormwater Runoff	119,923	15,064	328,047	45,423	279,351	43,193
Baseflow/Septic Systems	164,225	22,613	344,112	47,383	370,130	50,966
Atmospheric Deposition	175,388	3,222	301,977	5,505	49,456	892
Point Sources	17,484	3,370	14,711	1,029	0	0
Muck flux*	452,000	68,400	660,000	99,000	170,000	25,000

*Muck flux values were calculated with two significant figures.

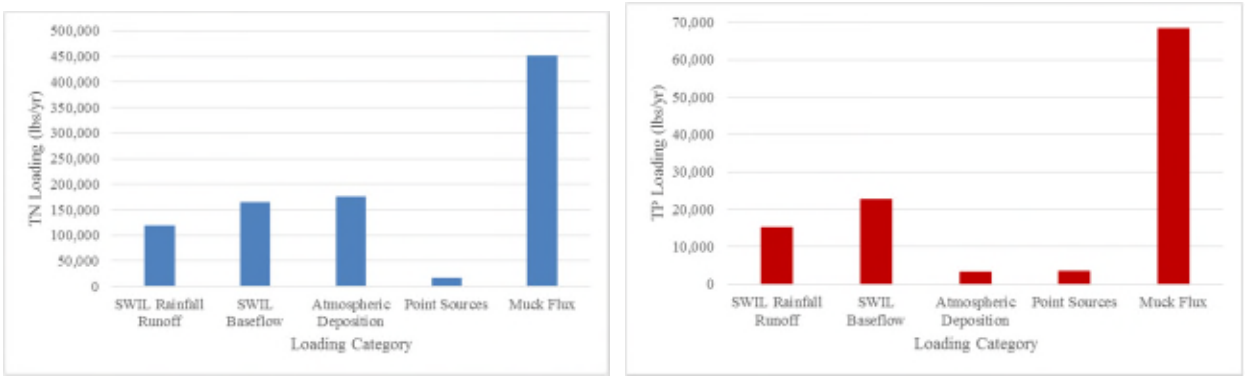


Figure 3: Banana River Lagoon TN (left) and TP (right) Annual Average Loads by Source

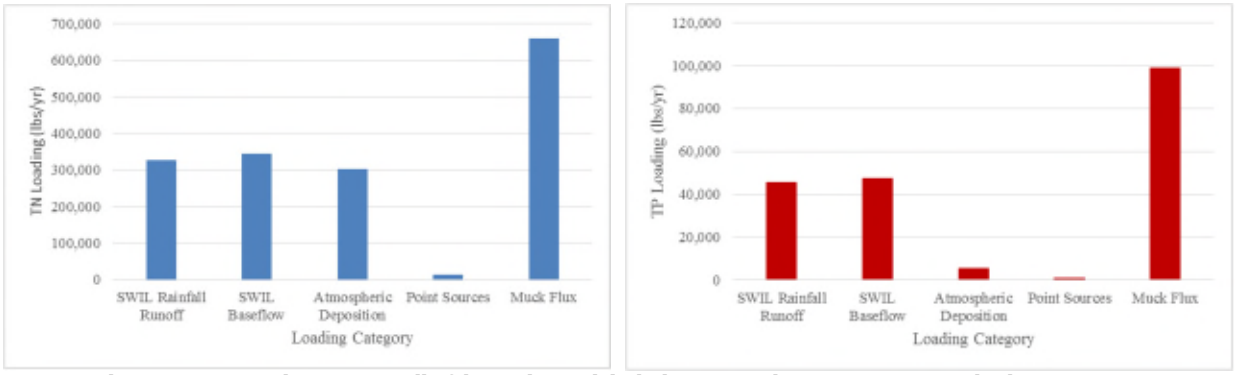


Figure 4: North IRL TN (left) and TP (right) Annual Average Loads by Source

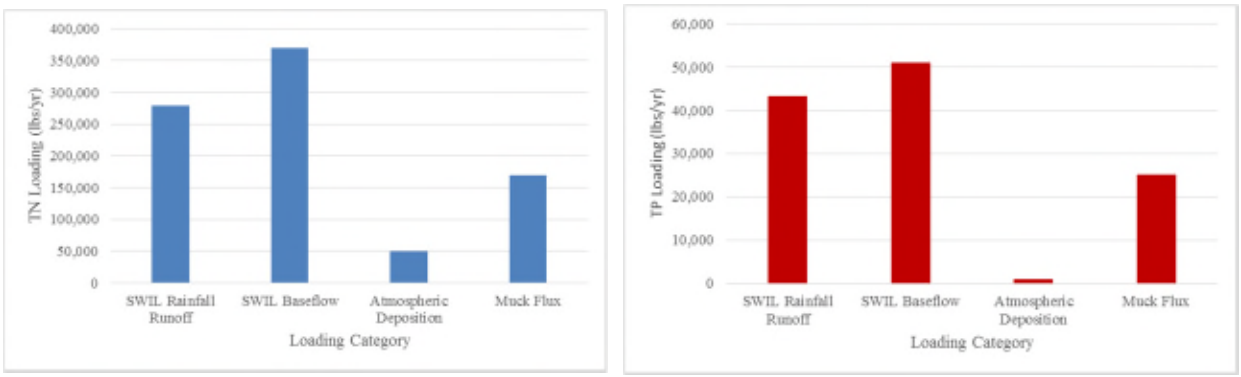


Figure 5: Central IRL TN (left) and TP (right) Annual Average Loads by Source

Section 4 includes projects to reduce the loading from urban stormwater runoff (including fertilizers), reclaimed water from WWTFs, and septic systems; to remove the internal cycling of loads accumulated in the muck deposits; and to restore natural filtration processes.

Section 4. Project Options

In order to restore the lagoon's balance, Brevard County has been implementing a multi-pronged approach to **Reduce** pollutant and nutrient inputs to lagoon, **Remove** the accumulation of muck from the lagoon bottom, and **Restore** water-filtering oysters and related lagoon ecosystem services. This plan also recommends funding for project monitoring, needed for accountability and to **Respond** to changing conditions and opportunities. Response funds will be used to track progress, measure cost effectiveness, and report on performance. Each year, a Science Technology and Economic Adaptive Management (STEAM) Team (additional details are included in **Section 4.4.1**) will review monitoring reports and make recommendations to the Brevard County Board of County Commissioners to redirect remaining plan funds to those efforts that will be most successful and cost-effective. Although research is important to better understand factors that significantly impact the health, productivity, and natural resilience of the IRL, funding for research is not included in this project plan.

Several goals were set to help select the projects for this plan. The goal for the **Reduce** projects is to achieve the proposed five-month TMDL for each sub-lagoon (refer to **Section 6** for additional details on the TMDLs). The goal for the **Remove** projects is to achieve at least a 25% reduction in estimated recycling of internal loads. The goals for the **Restore** projects are to filter the entire volume of the lagoon annually and to reduce shoreline erosion. The most cost-effective projects in each category were selected to maximize nutrient reductions, minimize lag time in lagoon response, reduce risk, and optimize the return on investment.

Section 4.1 through **Section 4.4** provide information on the proposed projects, estimated nutrient reduction benefits, and costs, as well as the ongoing research needed to measure and assess the project efficiencies and benefits to the lagoon system.

4.1. Projects to Reduce Pollutants

An important step in restoring the lagoon system is reducing the amount of pollutants that enter the IRL through stormwater runoff and groundwater. Reduction efforts include source control (such as fertilizer reductions) to reduce the amount of pollutants generated, as well as treatment to reduce pollutants that have already been discharged before they are washed off in stormwater runoff or enter the groundwater system and ultimately discharge to the IRL. Monitoring of these projects will be performed to verify the estimated effectiveness of each project type implemented (refer to **Section 4.4**).

The benefits from fertilizer management and public education, WWTF upgrades for reclaimed water, and stormwater treatment are seen fairly quickly in the lagoon system. Public education about fertilizer and other sources of pollution addresses nutrients at their source and prevents these nutrients from entering the system. WWTF upgrades result in reduced nutrients in the treated effluent, which is then used throughout the basin for reclaimed water irrigation. The stormwater projects will capture and treat runoff, which is currently untreated or inadequately treated, before it reaches the lagoon.

While greatly beneficial, septic system removal or upgrade projects may take longer to result in a nutrient reduction to the lagoon. The septic systems in key areas must be removed or upgraded in order to see the full benefits. In addition, septic systems contribute nutrient loading to the lagoon through groundwater, and the travel time of the nutrient plumes through the groundwater to a waterbody vary throughout the basin depending on watershed conditions.

The following subsections summarize the fertilizer management and public education, septic system removal and upgrades, WWTF upgrades for reclaimed water, and stormwater treatment projects that will be implemented to reduce nutrient loads to the IRL.

4.1.1 Fertilizer Management and Public Outreach and Education

Fertilizer in Brevard County

Approximately 81,700 lbs/yr of TN and 4,200 lbs/yr of TP enter the lagoon watershed from excess fertilizer application.

It is a common practice to apply fertilizer on urban and agricultural land uses. However, excessive and inappropriately applied fertilizer pollutes surrounding waters and stormwater. FDACS compiles information on the fertilizer sales by county, as well as the estimated nutrients from those fertilizers. It is important to note that all fertilizer sold in a county may not be applied within that county because a portion of that fertilizer may be transported to another county. However, details on the amount of fertilizer transported between counties is not tracked. Therefore, the information in the FDACS reports is simply the best estimate of the amount of fertilizer used, and the associated nutrient content, in a county.

Table 4 and **Figure 6** summarize the nutrients in the lawn fertilizer sold in Brevard County, according to FDACS records. This information was organized by growing year (June 1 – May 31); however, one month of data was missing from the first growing year and two months of data were missing from the last growing year. These figures show a decrease in the amount of nitrogen and phosphorus fertilizer being sold in the County after the fertilizer ordinance was adopted in 2013.

Table 4: Nutrients in Lawn Fertilizer Sold in Brevard County by Growing Year (June 1 – May 31)

Growing Year	Lawn Fertilizer Nitrogen (tons/yr)	Lawn Fertilizer Nitrogen (lbs/yr)	Lawn Fertilizer Phosphorus (tons/yr)	Lawn Fertilizer Phosphorus (lbs/yr)
July 2012 - May 2013	1,653	3,306,435	60	120,193
June 2013 - May 2014	329	657,470	64	127,770
June 2014 - May 2015	178	356,350	11	21,870
June 2015 - March 2016	235	470,737	27	54,211

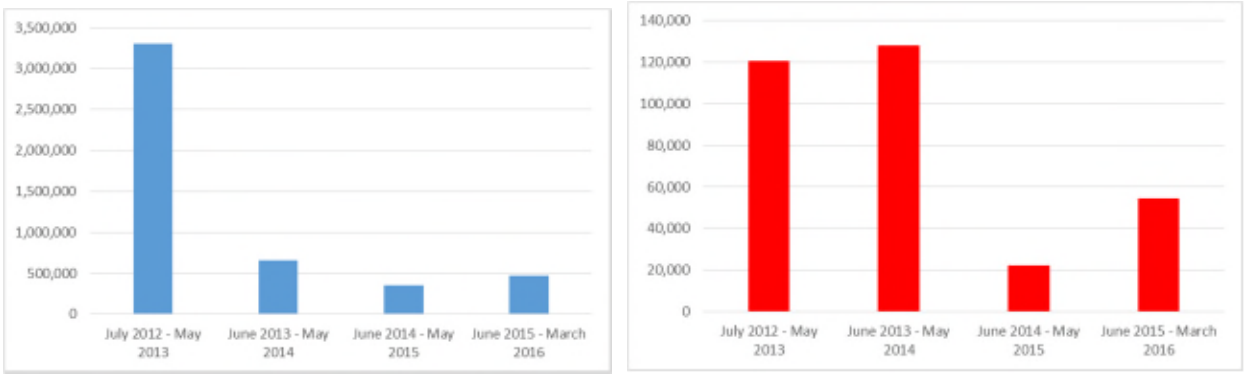


Figure 6: TN (left) and TP (right) in Lawn Fertilizer Sold in Brevard County by Growing Year

Fertilizer Ordinance

To help address fertilizer as a source of nutrient loading, local governments located within the watershed of a waterbody or water segment that is listed as impaired by nutrients are required to

adopt, at a minimum, FDEP's Model Ordinance for Florida-Friendly Fertilizer Use on Urban Landscapes (Section 403.067, Florida Statutes). Brevard County and its municipalities adopted fertilizer ordinances that included the required items from the Model Ordinance in December 2012, as well as additional provisions in 2013 and 2014. The County's fertilizer ordinance is found in Chapter 46, Article VIII, Section 46-335 through Section 46-349. This ordinance "regulates and promotes the proper use of fertilizers by any applicator; requires proper training of commercial and institutional fertilizer applicators; establishes training and licensing requirements; establishes a prohibited application period; specifies allowable fertilizer application rates and methods; fertilizer-free zones; low maintenance zones; and exemptions. The Ordinance requires the use of best management practices which provide specific management guidelines to minimize negative secondary and cumulative environmental effects associated with the misuse of fertilizers."

The County's ordinance prohibits the application of fertilizer that contains nitrogen and/or phosphorus during the period of June 1 through September 30, as well as when heavy rain is likely (including a watch or warning for a flood, tropical storm, or hurricane). Fertilizer application is also prohibited within 15 feet of any surface waterbodies, to limit the likelihood that fertilizer will run off into a waterbody. Fertilizer applied within the County must not contain phosphorus, unless a soil or plant tissue test indicates a need. Fertilizer with nitrogen should contain at least 50% in the form of slow release, controlled release, timed release, slowly available, or water insoluble nitrogen. When applying fertilizer, the ordinance requires deflectors on broadcast spreaders and removal of any fertilizer spilled on an impervious surface, which can then runoff into the stormwater system.

The ordinance also requires grass and vegetation clippings not to be swept, washed, or blown off into surface waterbodies or the stormwater system. Commercial applicators, must complete a training program and carry evidence that they have completed the training. The ordinance only applies to use of urban fertilizer, and not fertilizer applied to a bona fide farm operation.

Blue Life Education and Outreach

In addition to the fertilizer ordinance, Brevard County, nine municipalities, Good Education Solutions, and the Brevard Zoo created a public education campaign called "Blue Life" in 2012. The purpose of this campaign is to provide information to the public about sources of pollution and what actions people can take to protect and improve water quality. The campaign is a combination of public service announcements; TV, radio, and billboard advertisements; social media; community forums and talks; workshops; school programs; and other printed informational materials. The information includes details on fertilizer and pesticide use and management, proper lawn and garden maintenance, pet waste management, proper car washing and maintenance, waste management, and litter control.

To determine the effectiveness of this educational campaign on behavior changes, the County contracted with Praecipio Economics Finance Statistics (PEFS) to conduct a survey before the campaign implementation in 2012 and after the campaign was in place for two years in 2015. A similar survey was used in both 2012 and 2015, although the 2015 survey included additional questions about the Blue Life campaign, fertilizer bans, and state of the IRL. The survey was mailed to about 50,000 households who receive water from the City of Melbourne utility. A total of 1,470 usable surveys were obtained for 2012 and 1,572 usable surveys were obtained for 2015. The results were tabulated and analyzed to compare the pre- versus post-Blue Life campaign responses (PEFS 2016).

When comparing the results from the 2012 and 2015 surveys, PEFS (2016) found that the study unambiguously showed that people in 2015 were better informed about stormwater issues than in 2012, and that behavior that affects water quality in the area has, in general, improved:

- The 2015 population received more information about stormwater runoff and were better informed about stormwater runoff issues. The proportion of respondents who received "a lot" or "some" information about stormwater runoff issues increased by 6% and 19%, respectively. Perceptions about water quality became much more negative, increasing by 10% for "very poor" and 18% for "poor." Lawn and garden fertilizer was identified as the single biggest source of water pollution by 7.6% more respondents.
- Significant improvements in behavioral traits associated with lawn maintenance (lawn clippings, fertilizer application, pesticide application, frequency of fertilizer applications, and fertilizer types) occurred between 2012 and 2015. The percentage of people who leave the lawn clippings on their grass after it is mowed rose by 3.5% (from 77% in 2012). The percentage of people who report that they do not apply fertilizer and/or pesticides increased by 6.4% and 6.5%. Of those who do fertilize their lawns, the proportion who fertilize their lawn once or twice a year rose by 5.3%. Persons who used desirable fertilizer types (no phosphorus, slow release, and/or dry/granulated fertilizer) rose by 7.6%.
- Significant improvements in where a vehicle is washed and the pickup of dog waste occurred between 2012 and 2015. There was a 5.1% increase in the proportion of people who take their vehicle to a commercial car wash (instead of washing their car at home) and a 5.9% increase in the proportion of people who "always" pick up their dog's waste.

PEFS (2016) also included an evaluation of the 2015 survey results for those people who were exposed to the Blue Life campaign versus those who had not seen campaign materials. The people who were exposed to the Blue Life campaign were more familiar with the environmental problems of the IRL and were knowledgeable about the fertilizer ordinances:

- People in the Blue Life subgroup reported greater familiarity with the pollution problems in the IRL (17.4% higher) and recently enacted fertilizer ordinances (11.6% higher) than persons in the non-Blue Life subgroup.
- About 25% of the 2015 sample population remembered being exposed to Blue Life promotional materials, with water bill inserts and farmer's market outreach representing the two largest pathways.

The results of the surveys show that the Blue Life campaign, as well as other educational efforts in the County, had a beneficial impact on people's behaviors and knowledge of the IRL problems. Continuation of this campaign, or other similar public education and outreach efforts, would have a benefit in reducing sources of the pollution to the lagoon (fertilizers, pesticides, pet waste, oil and grease from cars).

The County, city, and grant funding spent on the Blue Life campaign is summarized in **Table 5**. This funding helped contribute to the results seen in the survey.

Table 5: Brevard County Funding for the Blue Life Campaign by Fiscal Year (FY)

FY (October 1 – September 30)	Costs
2012-2013	$83,124
2013-2014	$112 812
2014-2015	$182,482
Total	***$378,418***

The Blue Life campaign is continuing its education and outreach efforts including digital billboards (see **Figure 7**), radio advertisements, *Florida Today* sticky note (see **Figure 8**), and water bill insert for the City of Cocoa and City of Melbourne customers.



Figure 7: New Blue Life Digital Billboard



Figure 8: *Florida Today* Sticky Note

University of Florida (UF) Institute of Food and Agricultural Sciences (IFAS) Extension Brevard County Public Education and Outreach

The UF-IFAS Extension Office in Brevard County also implements programs and activities that focus on proper fertilizer application and water quality/conservations measures. The anticipated outcomes of these programs are that participants will gain knowledge, and most importantly, will adopt practices that result in behavior change.

Two horticultural faculty plan, implement, and evaluate the Florida Friendly Landscaping™ program, which includes the following:

> My Brevard Yard – This is a hands-on program delivered through classroom training and/or one-on-one on site consultations. In the classroom training, participants learn about their local fertilizer ordinance, how their lawn practices impact the IRL, and how to implement fertilizer and irrigation BMPs for turf grass management. The site consultations involve a trained Master Gardener volunteer or Extension faculty visit to the participants' home to conduct an analysis of the lawn. Turf issues are addressed, problem areas are identified and solutions are offered. Fertilizer spreaders are calibrated and fertilizer recommendations are made after the soil test results are received. If the homeowner uses

a landscape service, the faculty member will work with the landscaper to develop a fertilizer program that meets the fertilizer ordinance requirements and follows BMPs.

Master Gardener Volunteer Program – Master Gardeners are UF-IFAS Extension trained volunteers who educate participants about Florida Friendly Landscaping™ principles. Master Gardeners deliver educational programs, My Brevard Yard program site consultations, exhibits at events and festivals, and by speaking to community groups.

Brevard Botanical Garden –A five-acre garden is being developed on the Extension campus. The garden will be an outdoor, hands-on laboratory for educating homeowners, green industry professionals, government employees, Master Gardeners, and youth.

UF-IFAS Space Coast Golf and Turf Association Workshops – This program is targeted to golf course superintendents and turf grass managers, especially athletic field managers. The commercial horticulture faculty member collaborates with UF scientists to provide the latest research on turf management such as weed management, fertilizer, and irrigation.

Landscape Management Program – Green industry professionals and government employees are the primary target audiences for this program. The program provides the state mandated Green Industry BMP Certification training, pesticide license exam preparation, and pesticide applicators' continuing education units. Many of the program participants are contracted with homeowner associations throughout the county, so their practices usually impact a significant amount of square footage.

Homeowner Association and Property Manager Education Program – This is a new program for 2016. The target audience is property managers, realtors, homeowner/condominium association boards, and developers. This program will educate the participants about BMPs for lawns and ponds.

Retail Garden Center Employee Education – This is a new program for 2016. The target audience for this program is retail garden center employees and managers. Employees typically lack the training needed to make decisions that positively impact water quality, and they are often unfamiliar with fertilizer ordinances. Participants in this program will learn the basics of fertilizers and ordinances, and will be given resources to share with their customers that will help them make good decisions. This will be part of the upcoming fertilizer education focus, as described in the section below.

UF-IFAS also provides education to the agriculture industry including the following:

Urban and Sustainable Agricultural Production – The 2012 Agriculture Census reported more than 500 small farms in Brevard County. This program works with small farms to educate producers on water quality BMPs, technical production assistance, and pesticide management.

Livestock and Pasture Management – This program works with livestock operations on BMPs and technical expertise. Participants learn how to manage pastures and horse manure to reduce runoff pollution, as well as backyard chicken education.

UF-IFAS participates in programs through the Florida Sea Grant:

Oyster Gardening – UF-IFAS partners with Brevard County Natural Resources and the Brevard Zoo to implement the oyster gardening program (**Section 4.3.1** has more details).

Microplastic Awareness – This is a new program that raises participants' awareness of microplastic pollution in waterbodies. Citizens learn how to collect samples and filter the water to view the microplastics. The goal is help citizens make better choices when selecting health and beauty products to reduce microplastic pollution.

Florida Master Naturalist Program – This program is a collection of modules that educate participants about natural resources and the environment. After completing all of the modules, participants are awarded a certificate from UF. Once certified, participants are encouraged to become involved in the Space Coast Chapter of Florida Master Naturalist, which provides outreach and educational programs to Brevard County residents.

Ecotourism Certification (new program in 2016) – UF-IFAS partnered with the Tourism Development Office and Parks and Recreation to provide a certification program for ecotourism organizations. Through this certification, participants will learn about their impact on waterways, as well as how to educate their customers about the County's natural resources, protecting water quality, and reducing their environmental footprint.

In addition, there are several community development programs:

Sustainable Floridians^{SM} Program – This 10-week program teaches participants about conserving energy and water, climate change science, local food systems, recycling, and transportation issues. The IRL is a major focus of the program.

Brevard Water Summit – The summit was a collaborative effort between Brevard County Natural Resources, Marine Resources Council, and City of Melbourne. The target audience is elected officials, decision makers, and community leaders. Participants learned from local and UF experts about Brevard County-specific water issues such as water supply, water quality, agricultural water, wastewater, and low impact development.

Estimated Reductions from Lawn Fertilizer Management and Public Education

Based on the FDACS information, the lawn fertilizer sold in the County in FY2014-2015 contained 408,220 lbs of nitrogen and 32,520 lbs of phosphorus. The fertilizer applied is attenuated through several naturally occurring physical, chemical, and biological processes including uptake by grass. The environmental attenuation/uptake for urban fertilizer is 80% for nitrogen (FDEP 2014b) and 90% for phosphorus. The estimated nitrogen and phosphorus that is applied but is not naturally attenuated is shown in **Table 6**. It is important to note that not all of the un-attenuated nutrients will migrate to the lagoon, either through runoff or baseflow (groundwater that enters ditches, canals, and tributaries), but these numbers provide an idea of the excess nutrients that could be reduced as a result of public education and changes in fertilizer use.

Table 6: Estimated TN and TP Not Attenuated in FY2014-2015

Parameter	Lbs Sold FY2014-15 (Lawn Only)	Environmental Attenuation (%)	FY2014-15 lbs (Lawn Only)after Attenuation
TN	408,220	80%	81,644
TP	32,520	90%	3,252

When recent sales data are compared to the fertilizer sold in FY2013-2014, which is before adoption of the more protective amendments to the ordinance, significant reductions are observed. These reductions from the implementation of the ordinance are shown in **Table 7**.

Table 7: Reductions from Fertilizer Ordinance Compliance to Date

Parameter	FY2013-14 lbs (Lawn Only) after Attenuation: Pre-Ordinance	FY2014-15 lbs (Lawn Only) after Attenuation: Post-Ordinance	Reductions from Ordinance to Date (lbs/yr)
TN	127,540	81,644	45,896
TP	12,640	3,252	9,388

Based on studies by UF, approximately 0.03% of applied nitrogen ends up in runoff during establishment of sodded bermudagrass on a 10% slope. Nitrogen leaching ranged from 8% to 12% of the amount applied (Trenholm and Sartain 2010). Therefore, nitrogen leaching from fertilizer into the groundwater is 300 to 400 times as much as the nitrogen running off in stormwater. To help address the leaching issue, the Brevard County fertilizer ordinance encourages the use of slow release nitrogen fertilizer. Slow release fertilizer decreases nitrogen leaching by about 30% (UF-IFAS 2012). In addition, the ordinance requires that fertilizer with zero phosphorus is used.

The public education and outreach campaign will be expanded to include focus on slow release and zero phosphorus fertilizers. An important component of this will be to reach out to stores within the County to ensure they are making slow release and zero phosphorus fertilizers more visible and to add signage to let buyers know which fertilizers are compliant with all local ordinances. This would cost approximately $125,000 per year for a period of five years. If an additional 25% of fertilizer users switch to 50% slow release nitrogen and zero phosphorus formulations, compliant with the ordinance, this would result in a reduction of 6,123.3 lbs/yr of TN and 813.0 lbs/yr of TP (see **Table 8**).

Table 8: Estimated TN and TP Reductions and Costs from Additional Fertilizer Ordinance Compliance

Cost	TN FY2014-15 lbs (Lawn Only) after Attenuation	TN Reductions from Additional 25% Compliance (lbs/yr)	Cost/lb/yr of TN Removed	TP FY2014-15 lbs (Lawn Only) after Attenuation	TP Reductions from Additional 25% Compliance (lbs/yr)	Cost/lb/yr of TP Removed
$625,000	81,644	6,123	$102	3,252	813	$769

Note: The projects highlighted in green are the most cost-effective and are recommended as part of this plan.

4.1.2 WWTF Upgrades for Reclaimed Water

88% of the reclaimed water in the County is used in public access areas and for landscape irrigation.

The direct WWTF discharges to the lagoon have been largely removed, and the majority of facilities in the basin use the treated effluent for reclaimed water irrigation. While the use of reclaimed water for irrigation is an excellent approach to conserving potable water, if the reclaimed water is high in nutrient concentrations, the application of the reclaimed water for irrigation can result in nutrients leaching into the groundwater. It is important to note that there are no regulations on the concentration of nutrients in reclaimed water that is used for irrigation. However, UF-IFAS studies indicate that a nitrogen concentration of 9 mg/L is optimal for turf grass growth, and each year a

maximum amount of 1 lb of nitrogen can be applied per 1,000 ft^2 of turf (UF-IFAS 2013a and 2013b). Nitrogen leaching increases significantly when irrigation is greater than 2 cm/week (0.75 in/week), even if the nitrogen concentrations are half of the IFAS recommendation of 9 mg/L.

In Brevard County, 88% of the reclaimed water is used in public access areas and for landscape irrigation. The total reclaimed water used countywide is approximately 18.5 million gallons per day (mgd), which is applied over 7,340 acres. The unincorporated County and city WWTFs with TN concentrations greater than 9 mg/L are listed in **Table 9**. This table also summarizes the excess TN in the reclaimed water after attenuation (60% for TN [FDEP 2014b]), for both the current TN effluent concentration and if the facility were upgraded to achieve a TN effluent concentration of 6 mg/L (the City of Palm Bay WRF update would achieve a TN effluent concentration of 7.5 mg/L).

Table 9: WWTFs with Excess TN in the Reclaimed Water

Facility	Permitted Capacity (mgd)	Reclaimed Water Flow (mgd)	TN Concentration (mg/L)	TN After Attenuation (lbs/year)	TN After Attenuation and Upgrade (lbs/year)
Barefoot Bay Water Reclamation Facility (WRF)	0.9	0.48	11.9	7,073	3,566
North Regional WWTF	0.9	0.26	11.4	3,670	1,932
Port St. John WWTF	0.5	0.35	10.7	4,638	2,601
City of Melbourne Grant Street WWTF	5.5	0.22	11.5	3,133	1,635
City of Palm Bay WRF	4.0	0.656	29.4	23,883	6,093
City of Titusville Osprey WWTF	2.75	1.56	17.9	34,579	11,591
City of West Melbourne Ray Bullard WRF	2.5	0.85	11.1	11,684	6,316

The estimated costs for the WWTF upgrade and the cost per pound of nitrogen removed as a result of the upgrade are shown in **Table 10**. Based on a 2007 study by U.S. Environmental Protection Agency (USEPA), the cost to upgrade WWTFs to meet advanced wastewater treatment standards is approximately $4,200,000 per plant. This cost is in 2006 dollars, which, when inflated to 2016 dollars and costs are included for design and permitting, is approximately $6,000,000 per facility. Where cost estimates were available for facility upgrades, these costs were used instead of the USEPA inflated estimated. Due to the high cost per pound of TN removed to upgrade some of these facilities compared to other projects in this plan, only those facilities highlighted in green are recommended for upgrades as part of this plan.

Table 10: Cost per Pound of TN Removed from WWTF Upgrades to Improve Reclaimed Water

Facility	Cost to Upgrade	TN Removed after Attenuation (lbs/yr)	Cost/lb/yr of TN Removed
City of Palm Bay WRF	$1,400,000	17,790	$79
City of Titusville Osprey WWTF	$8,000,000	22,988	$348
City of West Melbourne Ray Bullard WRF	$6,000,000	5,368	$1,118
Barefoot Bay WRF	$6,000,000	3,507	$1,711
North Regional WWTF	$6,000,000	1,739	$3,451
Port St. John WWTF	$6,000,000	2,037	$2,946
City of Melbourne Grant Street WWTF	$6,000,000	1,498	$4,004

Note: The projects highlighted in green are the most cost-effective and are recommended as part of this plan.

As part of the public education and outreach efforts, customers who use reclaimed water for irrigation should be informed of the nutrient content in the reuse water because they can and should eliminate or reduce the amount of fertilizer added to their lawn and landscaping. This information can be provided to the customers through their utility bill.

4.1.3 Septic System Removal and Upgrades

One septic system within 55 yards of a surface waterbody contributes 27 lbs of TN per year.

Septic systems are commonly used where central sewer does not exist. When properly sited, designed, constructed, maintained, and operated, septic systems are often a safe means of disposing of domestic waste but still add nutrients to the system. However, when septic systems are older and failing or are installed over poor soils close to the groundwater table or open water, they can be a major contributor of nutrients and bacterial and viral pathogens to the system. There are an estimated 59,438 septic systems in Brevard County within the IRL Basin (**Table 11**). In order to address this source, options for both septic system removal and septic system upgrades were evaluated. It is important to note that although the County is taking the lead on these projects, the Florida Department of Health (FDOH) is responsible for the regulation and permitting of septic systems. The County will coordinate with FDOH on the septic system projects recommended in this plan.

Table 11: Location of Septic Systems in Brevard County

Area	Number of Septic Systems
St. Johns River Basin	22,514
Banana River Lagoon	4,628
North IRL	15,899
Central IRL	38,911
Total	***81,952***

Septic System Removal

To identify potential locations for septic system removal through connection to the central sewer system, the County prioritized those areas with septic systems in close proximity to surface waters (ditches, canals, creeks, and the IRL). As shown below in **Table 14**, septic systems within 55 yards of a surface water have the greatest impact and systems more than 219 yards from a surface water contribute very little TN loading. In addition, the County also inventoried existing sewer service areas for available capacity. The existing service areas include:

- Brevard County North Brevard (Mims)
- Brevard County Port St. John
- Brevard County Sykes Creek (Merritt Island)
- Brevard County South Central (Suntree and Viera)
- Brevard County South Beaches (Patrick AFB to Melbourne Beach)
- Brevard County Barefoot Bay
- City of Cape Canaveral
- City of Cocoa
- City of Cocoa Beach
- City of Melbourne
- City of Palm Bay
- City of Rockledge
- City of Titusville
- City of West Melbourne

The estimated cost per lot for connection to central sewer lines is $20,000 and includes electrical work, plumbing, removing the septic tank, and sewer connection fees. The actual cost per lot will vary depending on site conditions. This amount of funding would offset most, if not the entire, cost per customer.

The estimated nutrient loads from the septic systems that will travel through the groundwater and intersect with a surface waterbody (tributaries, canals, and the lagoon itself) were estimated using typical septic system effluent concentrations and decay rates from USEPA (2002) (**Table 12**). The estimated travel times based on the distance from the septic system to a waterbody are shown in **Table 13**, and is based on an interpretation of the results from a recent study in the City of Port St. Lucie by Sayemuzzaman and Ye 2015. The concentration of each parameter for each buffer zone was calculated using the effluent concentration and decay rates in **Table 12** and the travel times in **Table 13**. The concentrations used in the estimates for this plan are shown in **Table 14**.

Table 12: Septic System Effluent Concentrations and Decay Rates

Parameter	Effluent Concentration (mg/L)	Decay Rate (1/day)
TN	70	0.1
Organic N	0.458	0.1
Ammonia	10.5	0.1
Nitrate + Nitrite	59.3	0.0011
Organic P*	0.3	0.014
Orthophosphate*	0	0.014

* Assumes that 90% of phosphorus is sorbed to sediment.

Table 13: Travel Time Based on Distance from Septic System to Waterbody

Buffer Zone	Travel Distance (yards)	Average Velocity (yards/day)	Average Travel Time (days)	Average Travel Time (years)
1	<55	0.199	137.6	0.4
2	55-219	0.138	1,385.7	3.8
3	>219	0.066	9,641.0	26.4

Table 14: Parameter Concentrations from Each Buffer Zone

Parameter	Buffer Zone 1 Concentration (mg/L)	Buffer Zone 2 Concentration (mg/L)	Buffer Zone 3 Concentration (mg/L)
Organic N	0.000	0.000	0.000
Ammonia	0.000	0.000	0.000
Nitrate + Nitrite	50.971	12.914	0.001
Organic P	0.044	0.000	0.000
Orthophosphate	0.000	0.000	0.000

The cost for connection of all the septic systems in the County within the IRL watershed would be approximately $1.2 billion (see **Table 15**). Therefore, this plan focuses on the locations where reductions through septic system removal are the most cost-effective.

Table 15: Cost to Remove Septic Systems Based on Distance from a Surface Waterbody

Septic System Distance from Surface Water	Number of Septic Systems	TN (lbs/yr/system)	TN (lbs/yr)	Cost/System to Connect	Total Cost	Cost/lb/yr of TN
Less than 55 yards	15,090	27.095	408,863	$20,000	$301,800,000	$738
Between 55 and 219 yards	25,987	6.865	178,395	$20,000	$519,740,000	$2,913
Greater than 219 yards	18,361	0.001	10	$20,000	$367,220,000	$37,624,010
Total in IRL Basin	***59,438***	***N/A***	***587,268***	***$20,000***	***$1,188,760,000***	***$2,024 (average)***

Short-term and long-term opportunities for septic system removal were then identified. Short-term opportunities are those lots that only require limited extensions of infrastructure from existing service areas to connect to sewer service. For the short-term opportunities, the number of lots that could be connected, associated cost of the connection, and estimated TN reductions are shown in **Table 16** for the Banana River Lagoon, **Table 17** for the North IRL, and **Table 18** for the Central IRL. **Appendix A** includes maps of each of these areas. Based on the cost per pound of TN removed, it was determined that the most cost-effective sewer connection projects were those that cost less than $1,200 per pound. The areas that could be connected for this cost are highlighted in green, and these highlighted areas are recommended for connection as part of the plan. These short-term opportunities represent the connection of approximately 3.9% of the septic systems in Brevard County within the IRL Basin. In Palm Bay, an opportunity exists to hook up many lots to existing sewer lines for $12,000 per connection. This is recommended for high priority septic systems located within 55 yards of an open water connection to the lagoon.

Table 16: Short-Term Opportunities for Septic System Removal in Banana River Lagoon

Service Area	Number of Lots	Cost	TN Reduction (lbs/yr)	TN Cost/lb/yr
Sykes Creek - Zone N	86	$1,720,000	2,330	$738
Sykes Creek - Zone M	58	$1,160,000	1,572	$738
Sykes Creek - Zone T	139	$2,780,000	3,685	$754
Sykes Creek - Zone X	14	$280,000	359	$780
Sykes Creek - Zone V	98	$1,960,000	1,927	$1,017
Sykes Creek - Zone U	145	$2,900,000	2,573	$1,127
Sykes Creek - Zone Z	73	$1,460,000	1,290	$1,132
Sykes Creek - Zone W	142	$2,840,000	1,923	$1,477
Sykes Creek - Zone R	206	$4,120,000	2,686	$1,534
Sykes Creek - Zone Q	186	$3,720,000	2,319	$1,604
Sykes Creek - Zone S	163	$3,260,000	1,407	$2,317

Note: The projects highlighted in green are the most cost-effective and are recommended as part of this plan.

Table 17: Short-Term Opportunities for Septic System Removal in North IRL

Service Area	Number of Lots	Cost	TN Reduction (lbs/yr)	TN Cost/lb/yr
City of Cocoa – Zone K	34	$680,000	921	$738
City of Melbourne	12	$240,000	325	$738
City of Rockledge	16	$320,000	434	$738
South Beaches - Zone A	42	$840,000	1,098	$765
City of Titusville	33	$660,000	833	$792
City of Cocoa – Zone J	78	$1,560,000	1,891	$825
South Central - Zone C	132	$2,640,000	3,132	$843
South Central - Zone A	115	$2,300,000	2,239	$1,027
South Central - Zone D	94	$1,880,000	1,730	$1,087
Sykes Creek - Zone C	85	$1,700,000	1,426	$1,192
Sykes Creek - Zone B	207	$4,140,000	3,038	$1,363
Port St. John - Zone B	197	$3,940,000	2,849	$1,383
South Central - Zone B	190	$3,800,000	2,486	$1,528
Sykes Creek - Zone H	77	$1,540,000	992	$1,552
Sykes Creek - Zone I	31	$620,000	386	$1,605
Sykes Creek - Zone G	53	$1,060,000	632	$1,679
Sykes Creek - Zone J	55	$1,100,000	503	$2,186
Sykes Creek - Zone K	170	$3,400,000	1,539	$2,210
Sykes Creek - Zone O	161	$3,220,000	1,158	$2,782
Sykes Creek - Zone A	247	$4,940,000	1,767	$2,796
Sykes Creek - Zone Y	168	$3,360,000	1,083	$3,102
Sykes Creek - Zone F	24	$480,000	95	$5,051
Sykes Creek - Zone L	175	$3,500,000	687	$5,098
Sykes Creek - Zone P	342	$6,840,000	1,074	$6,372
Sykes Creek - Zone E	86	$1,720,000	217	$7,934
Sykes Creek - Zone D	85	$1,700,000	183	$9,279
Port St. John - Zone C	82	$1,640,000	96	$17,058
South Beaches - Zone B	170	$3,400,000	123	$27,742
Port St. John - Zone A	55	$1,100,000	7	$159,571

Note: The projects highlighted in green are the most cost-effective and are recommended as part of this plan.

Table 18: Short-Term Opportunities for Septic System Removal in Central IRL

Service Area	Number of Lots	Cost	TN Reduction (lbs/yr)	TN Cost/lb/yr
City of Palm Bay – near sewer lines	647	$7,764,000	17,530	$443
City of Palm Bay – Zone B	235	$4,700,000	6,347	$741
City of West Melbourne	112	$2,240,000	2,974	$753
City of Palm Bay – Zone A	99	$1,980,000	1,893	$1,046
South Beaches - Zone D	62	$1,240,000	558	$2,221
South Beaches - Zone C	124	$2,480,000	579	$4,282

Table 19: Summary of Septic System Removal Projects by Sub-Lagoon

Sub-lagoon	Number of Lots	Cost	TN Reductions (lbs/yr)	Average Cost/lb/yr of TN
Banana River Lagoon	613	$12,260,000	13,736	$898
North IRL	641	$12,820,000	14,029	$875
Central IRL	1,093	$16,684,000	28,744	$746
Total	***2,347***	***$41,764,000***	***56,509***	***$840***

There are also areas identified for long-term septic system connection opportunities, which are listed in **Table 20**. The long-term opportunities require more time and expense to build WWTF

capacity and service infrastructure. Therefore, these systems are not recommended for funding as part of this plan. However, these areas have a large concentration of septic systems that are impacting the lagoon, and other funding options to address the septic systems in these areas could be explored in the future, if needed.

Table 20: Long-Term Opportunities for Septic System Connections

Service Area	Number of Lots	Cost	TN Reduction (lbs/yr)	TN Cost/lb/yr
South Merritt Island	1,903	$38,060,000	25,086	$1,517
North Merritt Island	1,487	$29,740,000	19,148	$1,553
Port St. John	688	$13,760,000	6,806	$2,022
South Beaches	2,347	$46,940,000	22,095	$2,125
Little Hollywood	802	$16,040,000	7,123	$2,252
Port St. John – Cocoa Gap	974	$19,480,000	7,618	$2,557
Total	***8,201***	***$164,020,000***	***87,876***	***$2,004 (average)***

Another opportunity for removing septic systems is to use a hybrid septic tank effluent pumping (STEP) system. In this system, effluent from the septic tank is connected to sewer pressure lines. Small-diameter pipes, which can be installed relatively quickly, are used instead of the gravity sewer system. The City of Vero Beach is installing these systems and they are leaving the drainfields in place, which saves money and allows for a backup in the event that a power outage affects the STEP pumping system. The estimated cost per connection is $6,000 to $10,000, which includes the cost of the pipes. The customers also must maintain the STEP system and pay the electrical costs to operate the pump for this system.

For properties within 55 yards of a waterbody and located immediately adjacent to a pressure line, the STEP system may be a good option instead of the septic system upgrades described below. Additional analyses and field inspections are needed to determine where these systems are most feasible without causing right-of-way conflicts or infrastructure issues. If STEP systems are selected as a preferred option in the future, this plan can be updated with information on the sub-lagoon location of those systems, costs, and estimated benefits.

Septic System Upgrades

In locations where providing sewer service is not feasible due to distance from sewer infrastructure, facility capacity, or insufficient density of high risk systems, there are options to upgrade the highest risk septic systems to increase the nutrient and pathogen removal efficiency. In recent years, research has been conducted on passive treatment systems, which provide significant treatment efficiencies without monthly sewer fees or highly complex maintenance needs for mechanical features.

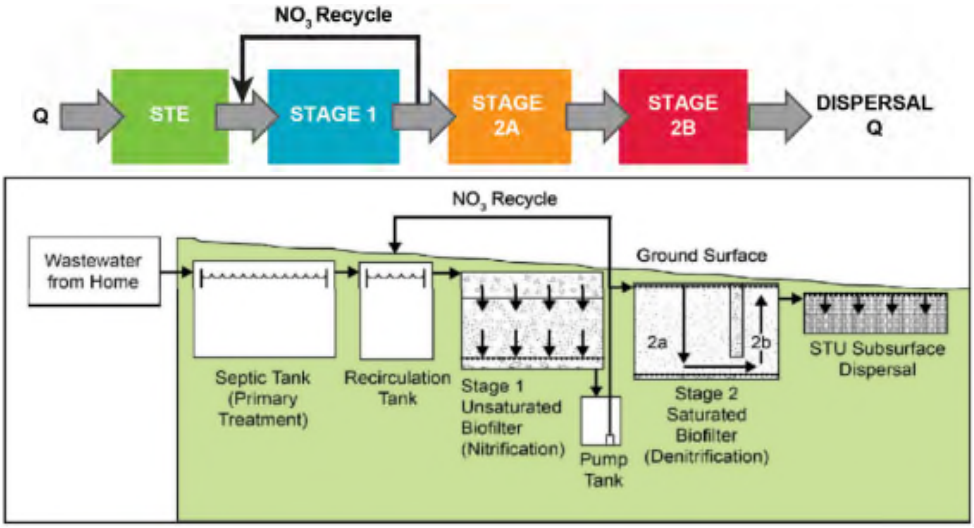
One option for a septic system upgrade is to add a biosorption activated media (BAM) to enhance nutrient and bacterial removal before the effluent reaches the drainfield or groundwater. Examples of BAM include mixes of soil, sawdust, zeolites, tire crumb, vegetation, sulfur, and spodosols (Wanielista et. al. 2011). A test of the BAM removal capacity was conducted at Florida's Showcase Green Envirohome in Indialantic, Florida. This test location is a residential site built with stormwater, graywater, and wastewater treatment in a compact footprint onsite (Wanielista et. al. 2011). The media used in this study was Bold & Gold™, which is a patented blend of mineral materials, sand, and clay. In this study, the effluent to the septic tank was evenly divided between a sorption filter media bed/conventional drainfield in series (innovative system) and to a conventional drainfield. The study found that the TN and TP removal efficiencies were 76.9% and

73.6%, respectively, for the Bold & Gold plus drainfield system, which was significantly higher than the 45.5% TN removal and 32.1% TP removal from a conventional drainfield alone.

Another pilot study was conducted at the University of Central Florida using wastewater from the 15-person BPW Scholarship House, which contains a kitchen and living quarters. The wastewater is pumped to septic tanks from where the effluents are divided into the test Bold & Gold drainfield and the standard drainfields. The Bold & Gold system was designed to provide aerobic and anoxic environments, which allowed for nitrification and denitrification to occur. In this study, the media used was a sand layer on top of a mixture of approximately 68% fine sand, 25% tire crumbs, and 7% sawdust by volume. Overall, TN was reduced by 70.2% and TP was reduced by 81.8%. In addition, the removal efficiency of *Escherichia coli* was 99.93% (Chang et. al. 2010).

Another option for a septic system upgrade is the use of passive nitrogen removing systems, and FDOH recently completed a study on the efficiency and costs of these systems. FDOH defines a passive system as, "A type of enhanced conventional onsite sewage treatment and disposal system that excludes the use of aerator pumps, includes no more than one effluent dosing pump with mechanical and moving parts, and uses a reactive media to assist in nitrogen removal." This definition of passive includes the use of up to one pump because of Florida's flat topography and the need to move water to allow for treatment (FDOH 2015).

To determine the feasibility of using passive nitrogen removing system, FDOH contracted with Hazen and Sawyer. The types of passive systems that were tested fell into two general categories: (a) in-tank system and (b) in-ground system. In the in-tank system concept, wastewater flows through the septic tank (STE) to a tank filled with an unsaturated layer of expanded clay (lignocellulosic material) (Stage 1). The wastewater is then sent to a pump tank (NO_3 Recycle), which recycles a portion back to the top of Stage 1. The rest of the wastewater is pumped into a tank with two sections: a saturated layer of wood-chip material (Stage 2A), and a saturated mixture of sulfur and oyster shells (Stage 2B). The wastewater then flows by gravity to the existing drainfield or soil treatment unit (STU) (Dispersal). This concept is shown in **Figure 9.**

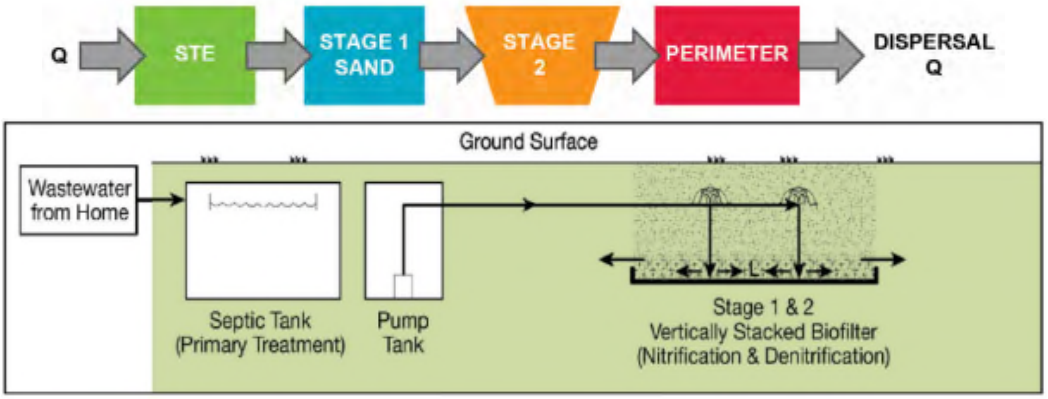


Note: from Hazen and Sawyer 2015

Figure 9: Example Diagram of an In-Tank Two Stage Biofilter

In the in-ground system concept, wastewater flows through the septic tank (STE) to a pump tank which pressure doses a lined drainfield to spread the sewage throughout the drainfield. Under the drainfield, within the liner, are two layers: an unsaturated layer of regular drainfield sand (Stage

1) above a saturated layer of wood-chip material (Stage 2). The treated wastewater flows over the rim of the liner (Perimeter) into the soil (Dispersal). This concept is shown in **Figure 10**.



Note: from Hazen and Sawyer 2015

Figure 10: Example Diagram of an In-Ground Stacked Biofilter

In the test systems, the media depth ranged from 10 inches to 30 inches. The tanks used in the systems at the test sites ranged from 1,050 gallons to 2,800 gallons (Hazen and Sawyer 2015). System longevity could not be directly determined in these systems due to the very low use of media over the two-year study period. Theoretical calculations and literature review suggest that these systems could have a media life of 25 years or longer. For the in-tank Stage 2 biofilters, it would be relatively easy to replace reactive media, helping to extend the life of the system. The study systems were all retrofits of existing septic systems, which have a higher cost than new construction. In addition, these were prototype systems that were being constructed for the first time in Florida. The costs of these systems are expected to decrease with more widespread implementation. The estimated cost to retrofit a septic system to an in-tank passive system is $15,500 and the cost to retrofit to an in-ground system is $12,000. The results of the study found that the TN removal efficiency ranged from 65% to 98%, with an average removal of 90%. The TP removal efficiency ranged from 12% to 96%, with an average removal of 64% (FDOH 2015).

In areas where septic systems are in close proximity to a surface waterbody but are not in a location where connection to the sewer system is feasible, adding BAM to the drainfield or upgrading to the passive nitrogen removing systems could be used to retrofit the existing septic systems. The estimated cost for these retrofits is $16,000 per septic system. Any operations and maintenance costs associated with these upgrades, once installed, will be the responsibility of the owner. To be conservative, the estimates of the TN reductions that could be achieved are based on an efficiency of 73.6% removal, which is the average efficiency from the two studies described above that tested BAM in the drainfield.

The cost to upgrade all 15,090 septic systems within 55 yards of an open water connection to the lagoon, which were not recommended for connection to sewer, would be $241,440,000. Therefore, these systems were further evaluated to prioritize those posing the greatest risk to IRL water quality. The criteria used were the distance from the groundwater table, soil types, year the property was developed, population density, and proximity to surface waters. These scoring criteria were a variation on the method used by Martin County to evaluate their septic systems. Brevard County Natural Resources Management, Utilities, and Department of Health staff met and agreed on how to modify the Martin County criteria to best fit Brevard County. Additional details about the scoring criteria are shown in **Table 21**. The results of this scoring provided information used to prioritize septic systems for upgrades.

Table 21: Summary of Septic System Scoring Criteria

Evaluation Factors	Scores	Explanation
A - Groundwater Table (GWT)	0 points: GWT > 48 inches 8 points: GWT = 48 inches 12 points: GWT < 48 inches	These data were pulled from the USGS Soil Survey for Brevard County using Table 9 - *Estimates of Soil Properties,* Column titled "Depth to - Seasonal High Water Table."
B - Soil Types	0 points: Most ideal soils for drainfield performance 8 points: Moderate drainfield performance 12 points: Excessively or poorly drained soils	These data were scored by using the 2013 USGS Soil Survey for Brevard County using an average of scores from a table created by County staff. The scoring was based on an average of permeability following the example from Martin County.
C - Surface Water Management Systems	4 points: Property developed after 1986 8 points: Property developed between 1980 and 1986 12 points: Property developed before 1980	These scores were derived by joining the property appraiser data to the scoring table and scoring based on the year built field.
D - Population Density	4 points: Low Density < 2 units per acre 8 points: Medium Density > 2-5 units per acre 12 points: High Density > 5 units per acre	The population density is the zoning of the parcel collected from Municode using "minimum expected density" for unincorporated county areas. Low Density = less than 2 units per acre, Medium Density = 2-5 units per acre, High Density = greater than 5 units per acre. Areas outside of unincorporated Brevard were scored using the size of the parcel (less than .2 acres = High Density, .2 to .5 = Medium and Greater than .5 acres = Low Density).
E - Proximity to Surface Waters	4 points: Properties greater than 219 yards from an open channel 8 points: Properties within 55 yards of any open channel 12 points: Properties with boundary along the Lagoon or within 20 feet of IRL shoreline	Identified parcels within 20 feet of the IRL; parcels between 55 yards and 219 yards of an open channel polyline; parcels greater than 219 yards from an open channel polyline.

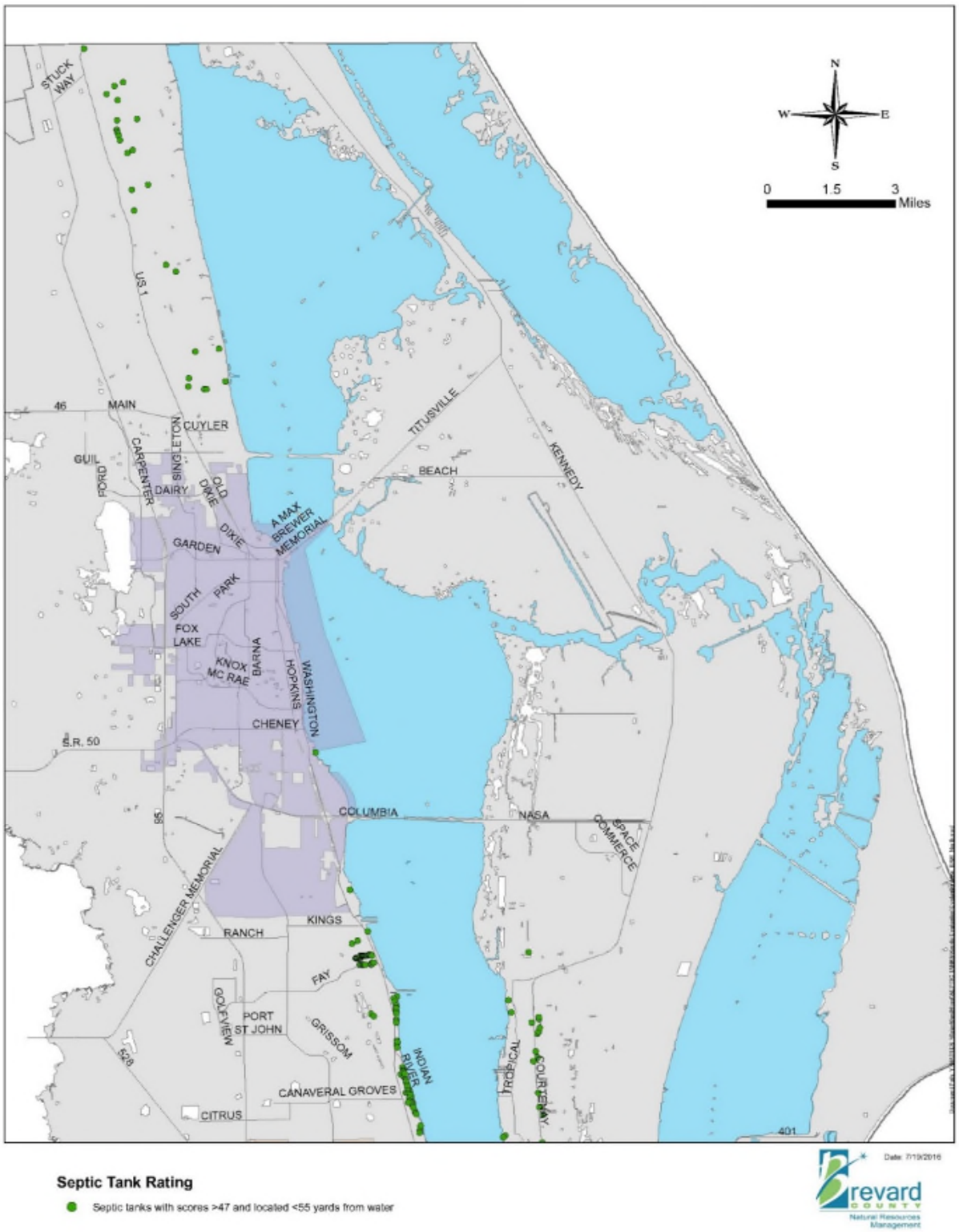
The septic systems with the highest (worst) scores and within 55 yards of a surface waterbody are recommended for retrofit upgrades to reduce the impacts of these septic systems on the waterbodies. The number of these lots and the costs by sub-lagoon are shown in **Table 22**. The locations of these septic system upgrades are shown in **Figure 11**, **Figure 12**, and **Figure 13**. This upgrade opportunity addresses 2.3% of the septic systems in the IRL drainage basin.

Table 22: Septic Tank Upgrades and Costs for Highest Priority Septic Systems within 55 Yards of a Surface Waterbody

Sub-lagoon	Number of Lots	Cost	TN Load (lbs/yr)	TN Removal Efficiency	TN Reductions (lbs/yr)	Cost/lb/yr of TN
Banana River Lagoon	258	$4,128,000	6,991	73.6%	5,145	$802
North IRL	515	$8,240,000	13,954	73.6%	10,270	$802
Central IRL	614	$9,824,000	16,636	73.6%	12,244	$802
Total	***1,387***	***$22,192,000***	***37,581***	***73.6%***	***27,659***	***$802***

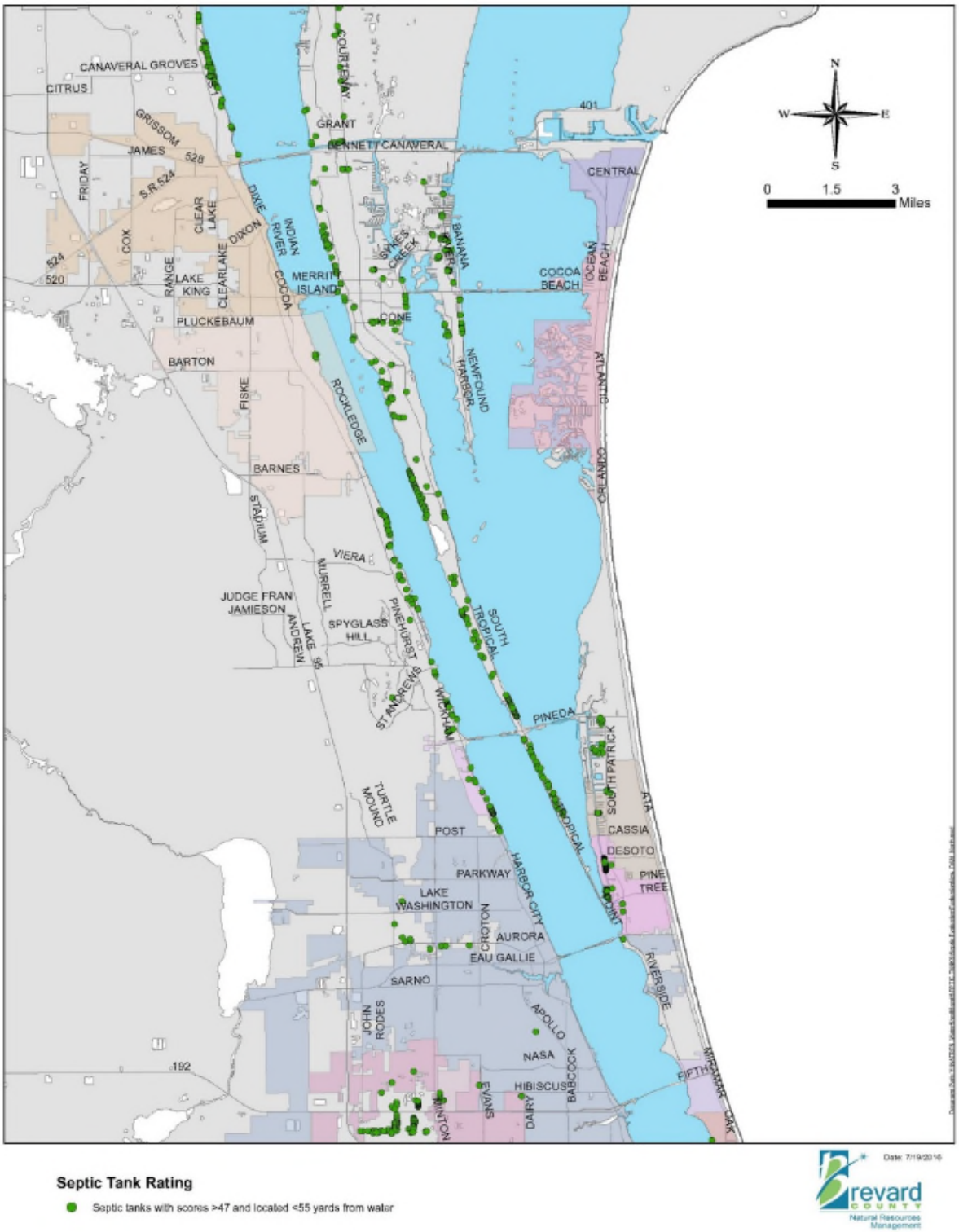
Note: The projects highlighted in green are the most cost-effective and are recommended as part of this plan.

Funding for septic system connections and upgrades will be distributed to municipalities for projects within their jurisdiction for identified expansions of their sewer service areas, as appropriate.



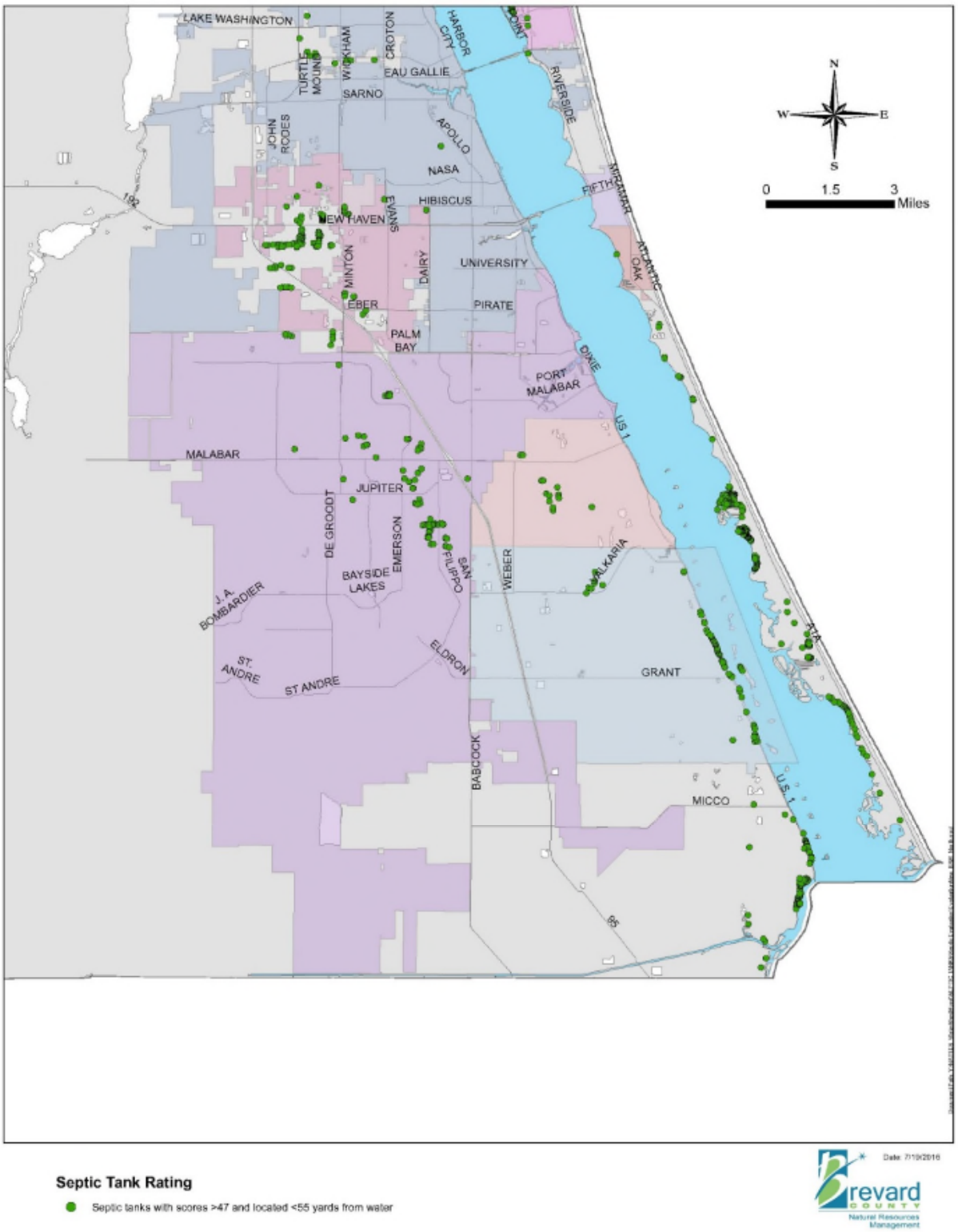
Note: The septic system locations are from the FDOH permit database. This database includes all septic systems permitted since 1980 or that have received repair permits since that time. County staff removed nearly 10,000 locations from FDOH maps based on confirmation data from municipalities for specific lots that have connected to sewer.

Figure 11: Map of Locations for Septic System Upgrades in North IRL



Note: The septic system locations are from the FDOH permit database. This database includes all septic systems permitted since 1980 or that have received repair permits since that time. County staff removed nearly 10,000 locations from FDOH maps based on confirmation data from municipalities for specific lots that have connected to sewer.

Figure 12: Map of Locations for Septic System Upgrades in Banana River Lagoon and North IRL



Note: The septic system locations are from the FDOH permit database. This database includes all septic systems permitted since 1980 or that have received repair permits since that time. County staff removed nearly 10,000 locations from FDOH maps based on confirmation data from municipalities for specific lots that have connected to sewer.

Figure 13: Map of Locations for Septic System Upgrades in Central IRL

4.1.4 Stormwater Treatment

Stormwater runoff contributes 33.6% of the external TN loading and 43.4% of the external TP loading to the lagoon annually.

Stormwater runoff from urban areas carries pollutants that affect surface waters and groundwater. These pollutants include nutrients, pesticides, oil and grease, debris and litter, and sediments. In Brevard County, there are more than 1,500 stormwater outfalls to the IRL.

There are a variety of BMPs that can be used to capture and treat stormwater to remove or reduce these pollutants before the stormwater runoff reaches a waterbody or infiltrates to the groundwater. Potential stormwater BMPs that could help restore the IRL system include:

- Traditional BMPs – These BMPs are the typical practices that are used to treat stormwater runoff and include wet detention ponds, retention, swales, dry detention, baffle boxes, stormwater reuse, alum injection, street sweeping, catch basin inserts/inlet filters, floating islands/managed aquatic plant systems (MAPS). Descriptions of these traditional BMPs and expected TN and TP efficiencies are shown in **Table 23**.
- Low impact development (LID)/green infrastructure (GI) – These types of BMPs use natural stormwater management techniques to minimize runoff and help prevent pollutants from getting into stormwater runoff. These BMPs address the pollutants at the source so implementing them can help decrease the size of traditional retention and detention basins and can be less costly than traditional BMPs (IFAS 2016). Descriptions of LID and GI BMPs and estimated efficiencies are shown in **Table 24**.
- Denitrification BMPs – These BMPs use a soil media, known as BAM to increase the amount of denitrification that occurs, which increases the amount of TN and TP removed. BAM includes mixes of soil, sawdust, zeolites, tire crumb, vegetation, sulfur, and spodosols. Additional details about denitrification BMPs are included below.
- BMPs to reduce baseflow intrusion – These projects are modifications to existing BMPs help reduce intrusion of captured groundwater baseflow into stormwater drainage systems. These BMPs include backfilling canals so that they do not cut through the baseflow, modifying canal cross-sections to maintain the same storage capacity while limiting the depth, installing weirs to control the water levels in the BMP, or adding a cutoff wall to prevent movement into the baseflow.
- Re-diversion to the St. Johns River – There are portions of the current IRL Basin that historically flowed towards the St. Johns River. By re-diverting these flows back to the St. Johns River, the excess stormwater runoff, as well as the additional freshwater inputs, to the IRL would be removed. The re-diversion projects would include a treatment component so that the runoff is treated before being discharged to the St. Johns River. SJRWMD has taken the lead on large-scale projects while the County has re-diverted more than 400 acres in the Crane Creek basin and partnered with SJRWMD to increase re-diversion from the Melbourne-Tillman Water Control District canal system.

Table 23: Traditional Stormwater BMPs with TN and TP Removal Efficiencies

BMP	Definition	TN Removal Efficiency	TP Removal Efficiency	Source
Wet detention ponds	Permanently wet ponds that are designed to slowly release a portion of the collected stormwater runoff through an outlet structure. Recommended for sites with moderate to high water table conditions. Provide removal of both dissolved and suspended pollutants through physical, chemical, and biological processes.	8%-44%	45%-75%	FDEP et. al. 2010
Off-line retention	Recessed area that is designed to store and retain a defined quantity of runoff, allowing it to percolate through permeable soils into the ground water aquifer. Runoff in excess of the specified volume of stormwater does not flow into the retention system storing the initial volume of stormwater.	40%-84%	40%-84%	Harper et. al. 2007
On-line retention and swales	Recessed area that is designed to store and retain a defined quantity of runoff, allowing it to percolate through permeable soils into the ground water aquifer. Runoff in excess of the specified volume of stormwater does flow through the retention system that stores the initial volume of stormwater.	30%-74%	30%-74%	Harper et. al. 2007
Dry detention	Designed to store a defined quantity of runoff and slowly release it through an outlet structure to adjacent surface waters. After drawdown of the stored runoff is completed, the storage basin does not hold any water. Used in areas where the soil infiltration properties or seasonal high water table elevation will not allow the use of a retention basin.	10%	10%	Harper et. al. 2007
2nd generation baffle box	Box chambers with partitions connected to a storm drain. Water flows into the first section of the box where most pollutants settle out. Overflows into the next section to allow further settling. Water ultimately overflows to the stormwater pipe. Floating trays capture leaves, grass clippings, and litter to prevent them from dissolving in the stormwater.	19.05%	15.5%	GPI 2010
Stormwater reuse	Reuse of stormwater from wet ponds for irrigation. Compare volume going to reuse to total volume of annual runoff to pond.	Amount of water not discharged annually	Amount of water not discharged annually	N/A
Alum injection	Chemical treatment systems that inject aluminum sulfate into stormwater systems to cause coagulation of pollutants.	50%	90%	Harper et. al. 2007
Street sweeping	Cleaning of pavement surfaces to remove sediments, debris, and trash deposited by vehicle traffic. Prevents these materials from being introduced into the stormwater system.	TN content in dry weight of material collected annually	TP content in dry weight of material collected annually	UF 2011
Catch basin inserts/inlet filters	Devices installed in storm drain inlets to provide water quality treatment through filtration of organic debris and litter, settling of sediment, and adsorption of hydrocarbon by replaceable filters.	TN content in dry weight of material collected annually	TP content in dry weight of material collected annually	UF 2011
MAPS	Aquatic plant-based BMPs that remove nutrients through a variety of processes related to nutrient uptake, transformation, and microbial activities.	20%	20%	FDEP et. al. 2010

Table 24: LID and GI BMPs and TN and TP Removal Efficiencies

BMP	Definition	TN Removal Efficiency	TP Removal Efficiency	Source
Permeable pavement	Hard, yet penetrable, surfaces reduce runoff by allowing water to move through them into groundwater below (IFAS 2016).	30%-74%	30%-74%	Harper et. al. 2007
Bioswales	An alternative to curb and gutter systems, bioswales convey water, slow runoff, and promote infiltration. Swales may be installed along residential streets, highways, or parking lot medians (IFAS 2016). Must be designed for conveyance, greater in length than width, have shallow slopes, and include proper landscaping.	38%-89%	9%-80%	FDEP 2014a
Green roofs	These systems can significantly reduce the rate and quantity of runoff from a roof and provide buildings with thermal insulation and improved aesthetics (IFAS 2016). Retention BMP covered with growing media and vegetation that enables rainfall infiltration and evapotranspiration of stored water. Including a cistern capture, retain, and reuse water adds to effectiveness.	45% (without cistern) 60%-85% (with cistern)	N/A	FDEP 2014a
Bioretention basins/rain gardens	Small vegetated depressions in the landscape collect and filter stormwater into the soil (IFAS 2016). Constructed adjacent to roof runoff and impervious areas.	30%-50%	30%-90%	FDEP 2014a
Tree boxes	Bioretention systems with vertical concrete walls designed to collect/retain specified volume of stormwater runoff from sidewalks, parking lots and/or streets. Consists of a container filled with a soil mixture, a mulch layer, under-drain system, and shrub or tree (FDEP 2014a).	38%-65%	50%-80%	FDEP 2014a

Due to the importance of treating dry season baseflow to the lagoon, Brevard County has found that ditch denitrification is the most cost-effective BMP. BAM can be added in existing BMPs or to new BMPs to improve the nutrient removal efficiency. The removal efficiencies of using BAM in various stormwater treatment projects (Wanielista 2015) are summarized in **Table 25**.

Table 25: TN and TP Removal Efficiencies for BAM

Location in BMP Treatment Train	Material	TN Removal Efficiency	TP Removal Efficiency
Bold & Gold as a first BMP, ex. Up-flow filter in baffle box and a constructed wetland	Expanded Clay Tire Chips	55%	65%
Bold & Gold in up-flow filter at wet pond and dry basin outflow	Organics Tire Chips Expanded Clay	45%	45%
Bold & Gold in inter-event flow using up-flow filter at wet pond and down-flow filter at dry basin	Expanded Clay Tire Chips	25%	25%
Bold & Gold down-flow filters 12” depth at wet pond or dry basin pervious pavement, tree well, rain garden, swale, and strips	Clay Tire Crumb Sand & Topsoil	60%	90%

Note: From Wanielista 2015

The County’s proposed TMDLs include two components: (1) a TMDL for the five-month period (January – May) that is critical for seagrass growth, and (2) a TMDL for the remaining seven months of the year to avoid algal blooms and protect healthy dissolved oxygen levels. The stormwater project benefits were estimated, as follows, to ensure both components of the TMDL are adequately addressed. The five-month TMDL covers the dry season in this area when there is minimal rainfall and stormwater runoff; therefore, the benefits of stormwater BAM projects during this period were based only on January – May baseflow loading estimates from the SWIL model. The estimated project treatment efficiencies used for January to May are 55% for TN and 65% for TP. For the remaining seven months, the baseflow and stormwater loading estimates from the SWIL model were used with a project efficiency of 45% for TN and 45% for TP. The estimated TN and TP reductions accomplished by using BAM upstream of the highest priority outfalls in each sub-lagoon are shown in **Table 26**, as well as the estimated cost per pound of TN or TP removed. A detailed list of stormwater projects is included in **Appendix B**. The locations of the basins to be treated are shown in **Figure 14**, **Figure 15**, and **Figure 16**.

Table 26: Estimated TN and TP Reductions and Costs for BAM Projects

Sub-lagoon	Number of Basins	Estimated Total Project Cost	TN Reductions (lbs/yr)	Cost/lb/yr of TN	TP Reductions (lbs/yr)	Cost/lb/yr of TP
Banana River Lagoon	41	$4,625,000	48,391	$96	6,896	$671
North IRL	37	$4,850,000	52,936	$92	7,632	$635
Central IRL	6	$1,325,000	17,113	$77	2,497	$531

Note: The projects highlighted in green are the most cost-effective and are recommended as part of this plan.

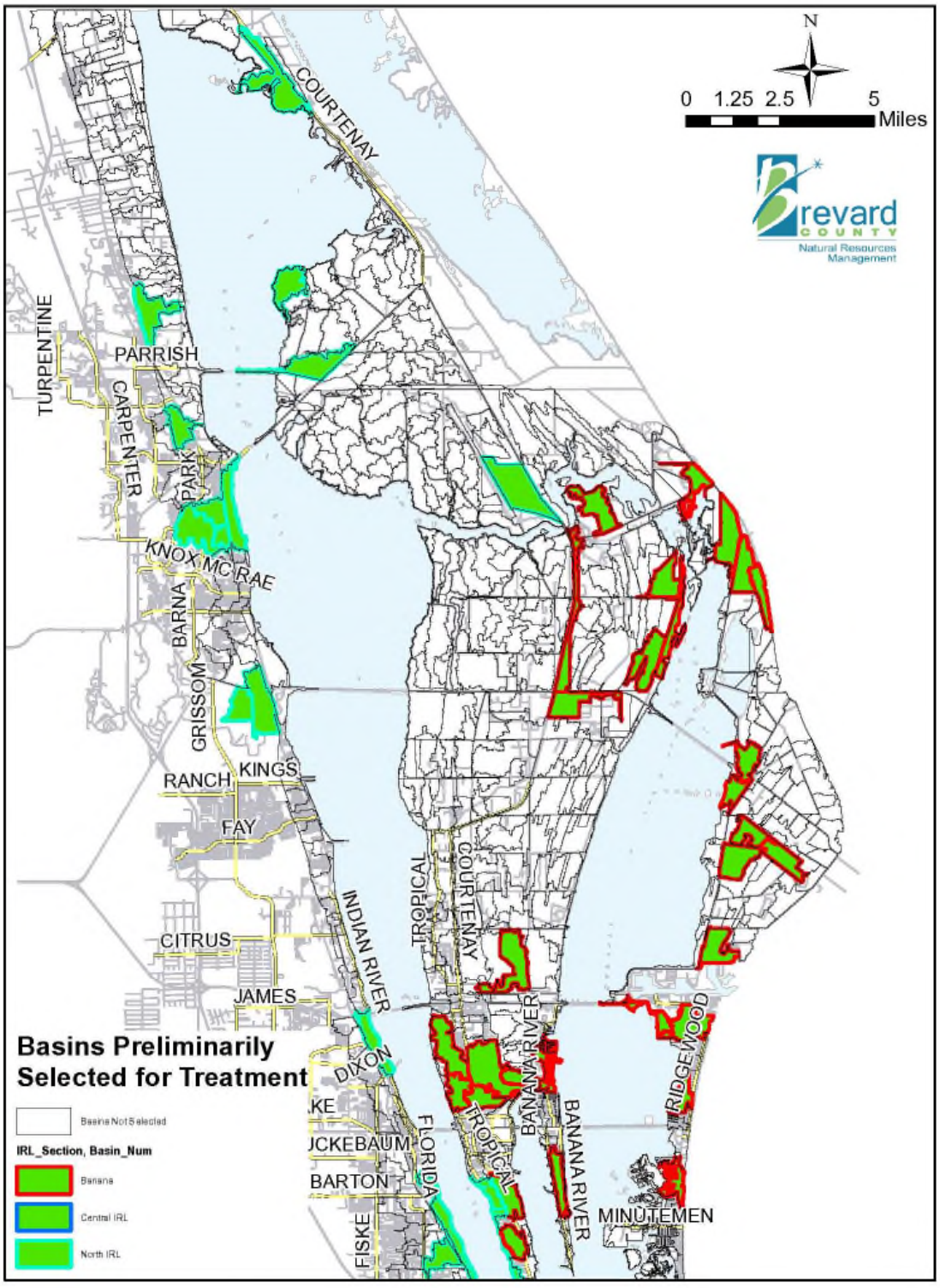


Figure 14: Map of Selected Stormwater Projects in Banana River Lagoon and North IRL

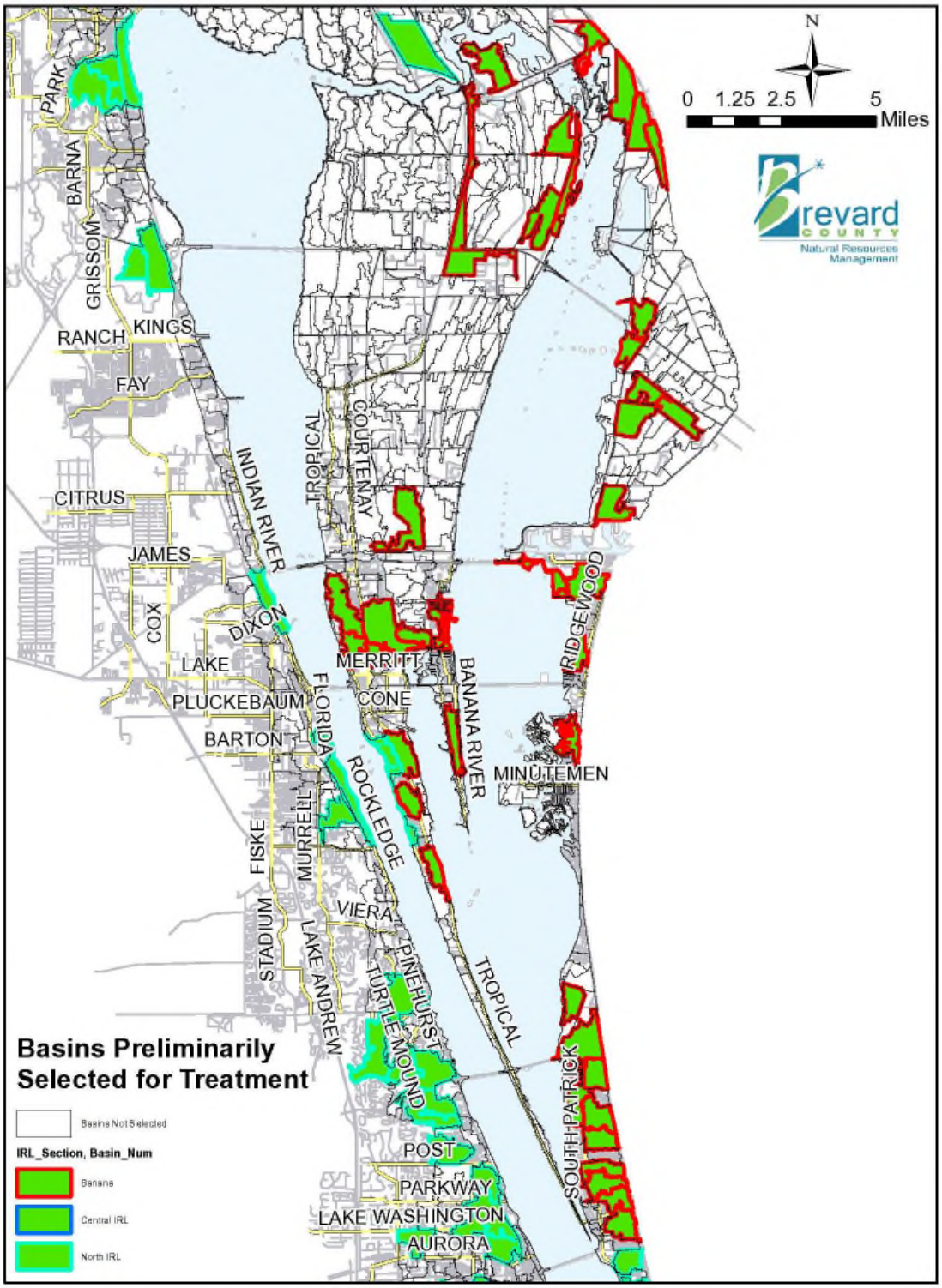


Figure 15: Map of Selected Stormwater Projects in Banana River Lagoon and North IRL, continued

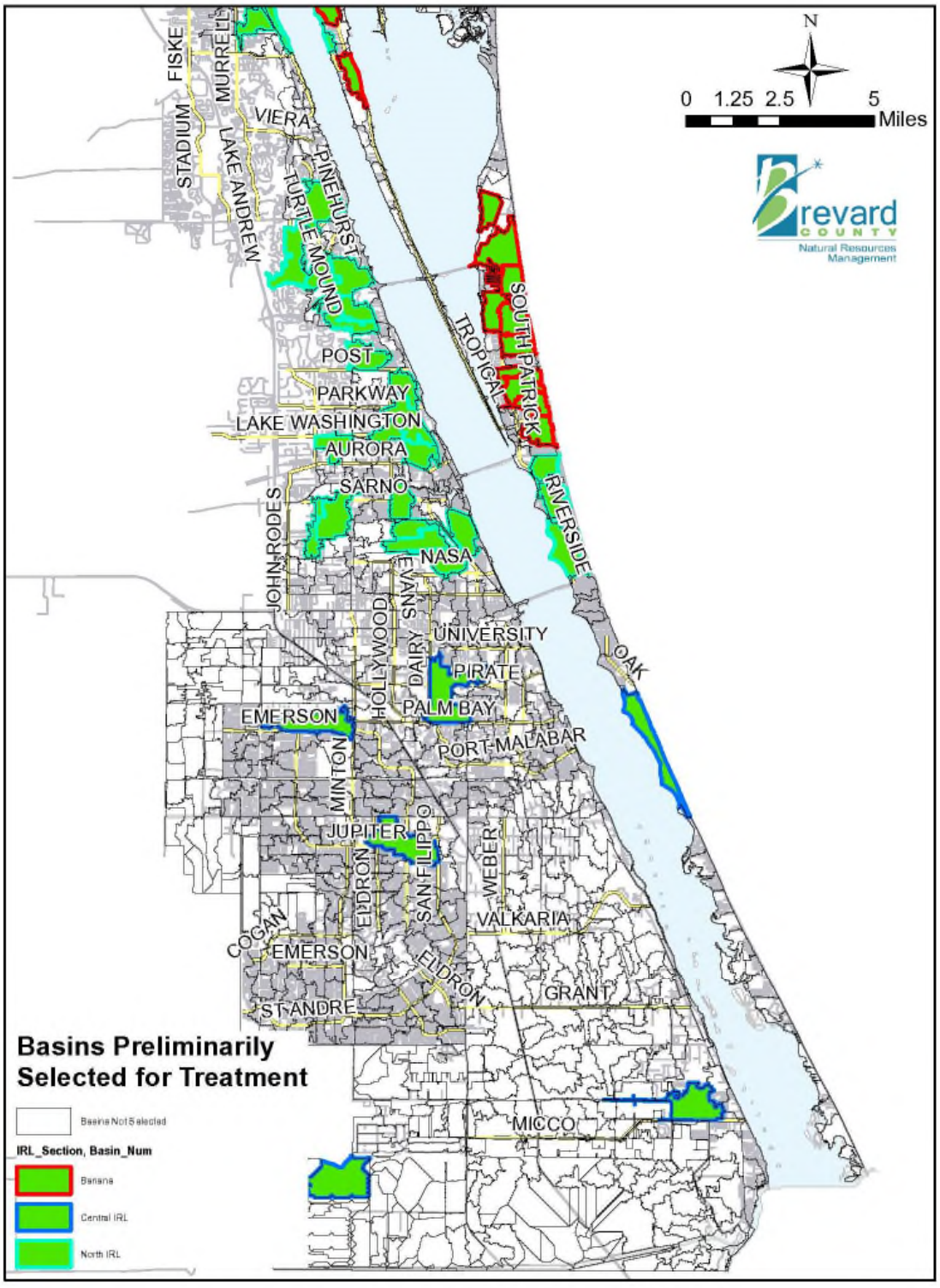


Figure 16: Map of Selected Stormwater Projects in North IRL and Central IRL

4.1.5 Surface Water Remediation System

AquaFiber Technologies Corporation has a technology that would treat up to 25 cubic feet per second (16 mgd) of water from Turkey Creek, which is a major tributary to the Central IRL. This project would reduce total suspended solids by more than 90%, remove algal blooms and cyanobacteria to improve the lagoon's color and clarity, improve the dissolved oxygen concentration by returning water with near 100% oxygen saturation, and produce a biomass that can be processed into fertilizer pellets or used as a feedstock for waste-to-energy utilities to produce electricity.

This project would remove an estimated 35,633 lbs/yr of TN and 2,132 lbs/yr of TP from the watershed. The facility would cost $16,034,000 for design, permitting, and construction. The cost to operate and maintain the remediation facility is estimated to be $4,020,000 per year. **Table 27** summarizes the benefits and the costs of nutrient removal for this project for a 10-year period.

Table 27: Summary of Benefits and Costs of Central IRL Surface Water Remediation System

Project Cost	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Cost/lb/yr of TN Removed	Cost/lb/yr of TP Removed
$48,194,000	35,633	2,132	$1,353	$22,605

The cost of nutrient removal via this technology is higher than the cost per pound removed for the other projects recommended in this plan; therefore this remediation system is not recommended in the first iteration of this plan. However, this technology offers significant additional benefits that should be more thoroughly explored to better assess its total value to restoring and maintaining lagoon health.

4.2. Projects to Remove Pollutants

The projects in this section will be implemented to remove pollutants that have accumulated in the lagoon. Brevard County has already begun to remove deep accumulations of muck from the lagoon bottom, and dredging to remove muck in other locations of the lagoon will continue. In addition, SJRWMD is evaluating opportunities for artificial flushing projects, which will allow additional water to flow into the lagoon system to flush out the built up sediments and muck. These muck removal projects have more immediate benefits on the lagoon water quality than external reduction projects because the nutrient flux is reduced as soon as muck is dredged or flushed from the system whereas it takes time for the external load reduction benefits to reach the lagoon.

The following sections describe the County's proposed muck removal projects, as well as SJRWMD's research into artificial flushing projects. The artificial flushing projects are not proposed for inclusion in this funding plan.

4.2.1 Muck Removal

Muck flux contributes 1,282,000 lbs/yr of TN and 192,400 lbs/yr of TP to the lagoon.

The muck in the lagoon increases turbidity, inhibits seagrass growth, promotes oxygen depletion in sediments and the water above, stores and releases nutrients, covers the natural bottom, and destroys healthy communities of benthic organisms (Trefry 2013). When muck is suspended within the water column due to wind or human activities such as boating, these suspended solids limit light availability and suppress seagrass growth. Even for deeper water areas without seagrass growth, muck remains a nutrient

source that potentially affects a broader area of the lagoon through nutrient flux and resuspension of fine sediments and their subsequent transport. As shown in **Figure 3**, the annual release of nutrients from decaying muck is almost as much as the annual external loading delivered by stormwater and groundwater baseflow combined. The muck deposits cover an estimated 15,900 acres of the lagoon system bottom in Brevard County (Trefry 2016).

The muck deposits in the lagoon flux nutrients that enter the water column and contribute to algal blooms and growth of macroalgae. Muck flux rates for nitrogen and phosphorus have been estimated through studies in the IRL system. For this plan, the flux rates used are 9 pounds of TN/yr/acre and 1.3 pounds of TP/yr/acre (Trefry 2016).

The focus of the muck removal projects for this plan was on large deposits of muck in big, open water sites within the lagoon itself. Several of the main canals that directly connect to the lagoon are also included for muck removal. The goal of the muck removal is to reduce TN and TP muck flux loads by 25%, which should result in a significant improvement in water quality and seagrass extent, as well as a reduced risk of massive algal blooms and fish kills. A 70% efficiency for muck removal projects was applied. This efficiency accounts for two factors: (1) each target dredge area has less than 100% muck cover, and (2) some pockets of muck within dredged areas will inevitably be left behind regardless of the dredge technology used. Based on a 25% target reduction and 70% efficiency for dredging, the muck area reduction targets for this plan were established as shown in **Table 28**.

Table 28: Muck Acreages in the IRL System

Muck Reduction Targets	Open Banana River Lagoon	Banana River Lagoon Canals	North IRL	Central IRL	Mosquito Lagoon
Muck area (acres)	4,646	474	7,364	1,853	1,582
Area to reduce flux by 25% (acres)	1,161	119	1,841	465	395
Area dredged to reduce flux by 25% with 70% project efficiency (acres)	***1,656***	***173***	***2,619***	***667***	***565***

The costs for the muck dredging projects are shown in **Table 29** for the Mosquito Lagoon, **Table 30** for the North IRL, **Table 31** for the Banana River Lagoon, and **Table 32**. The locations of these projects are shown in **Figure 17** and **Figure 18**. The total costs of these projects is $182 million. Using the flux rates noted above, the estimated TN and TP reductions that can be achieved from removing the muck, as well as the cost per pound of nutrient removed, were determined (see **Table 33**).

Table 29: Mosquito Lagoon Estimated Costs for the Proposed Muck Removal Projects

Location	Muck Area (acres)	Dredge Area (acres)	Muck Volume (cubic yards)	Dredging Cost Estimate
Near Haulover Canal	568	398	460,000	$16,100,000

Note: The projects highlighted in green are the most cost-effective and are recommended as part of this plan.

Table 30: North IRL Estimated Costs for Proposed Muck Removal Projects

Location	Muck Area (acres)	Dredge Area (acres)	Muck Volume (cubic yards)	Dredging Cost Estimate
Titusville Area	371	260	400,000	$14,000,000
Cocoa Area	494	346	600,000	$21,000,000
Rockledge Area	741	519	800,000	$28,000,000
Eau Gallie Area	988	692	750,000	$26,250,000
North IRL Total	***2,594***	***1,817***	***2,550,000***	***$89,250,000***

Note: The projects highlighted in green are the most cost-effective and are recommended as part of this plan.

Table 31: Banana River Lagoon Estimated Costs for the Proposed Muck Removal Projects

Location	Muck Area (acres)	Dredge Area (acres)	Muck Volume (cubic yards)	Dredging Cost Estimate
Cape Canaveral Area	988	692	750,000	$26,250,000
Cocoa Beach Area	247	173	200,000	$7,000,000
Newfound Harbor Area	124	87	100,000	$3,500,000
Pineda Causeway Area	124	87	100,000	$3,500,000
Mathers Bridge Area	185	130	150,000	$5,250,000
Venetian Collector Canals/Channels	470	170	750,000	$26,250,000
Banana River Total	***2,138***	***1,339***	***2,050,000***	***$71,750,000***

Note: The projects highlighted in green are the most cost-effective and are recommended as part of this plan.

Table 32: Central IRL Estimated Costs for the Proposed Muck Removal Projects

Location	Muck Area (acres)	Dredge Area (acres)	Muck Volume (cubic yards)	Dredging Cost Estimate
Melbourne Causeway Area	173	121	200,000	$7,000,000
Goat Creek Area	124	87	100,000	$3,500,000
Trout Creek Area	124	87	100,000	$3,500,000
Mullet Creek Islands Area	247	173	200,000	$7,000,000
Central IRL Total	***668***	***467***	***600,000***	***$21,000,000***

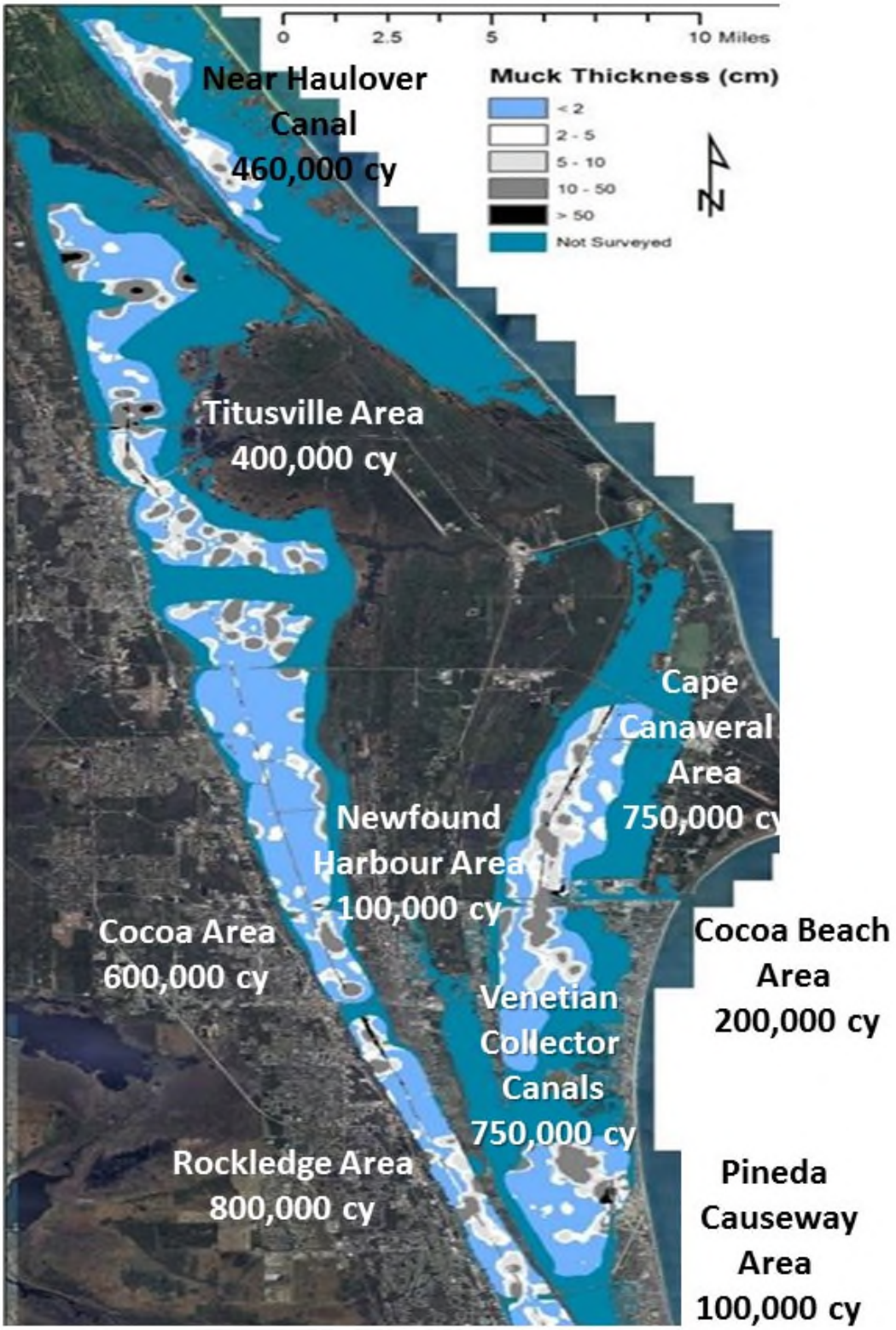
Note: The projects highlighted in green are the most cost-effective and are recommended as part of this plan.

Table 33: Nitrogen and Phosphorus Reductions from Muck Removal

Location	TN Flux Reduction (lbs/yr)	Project Cost	Cost/lb/yr of TN Removed	TP Flux Reduction (lbs/yr)	Cost/lb/yr of TP Removed
Mosquito Lagoon	35,000	$16,100,000	$460	5,250	$3,067
North IRL	231,500	$89,250,000	$386	34,700	$2,572
Banana River Lagoon	165,300	$71,750,000	$434	24,800	$2,893
Central IRL	59,500	$21,000,000	$353	8,900	$2,400

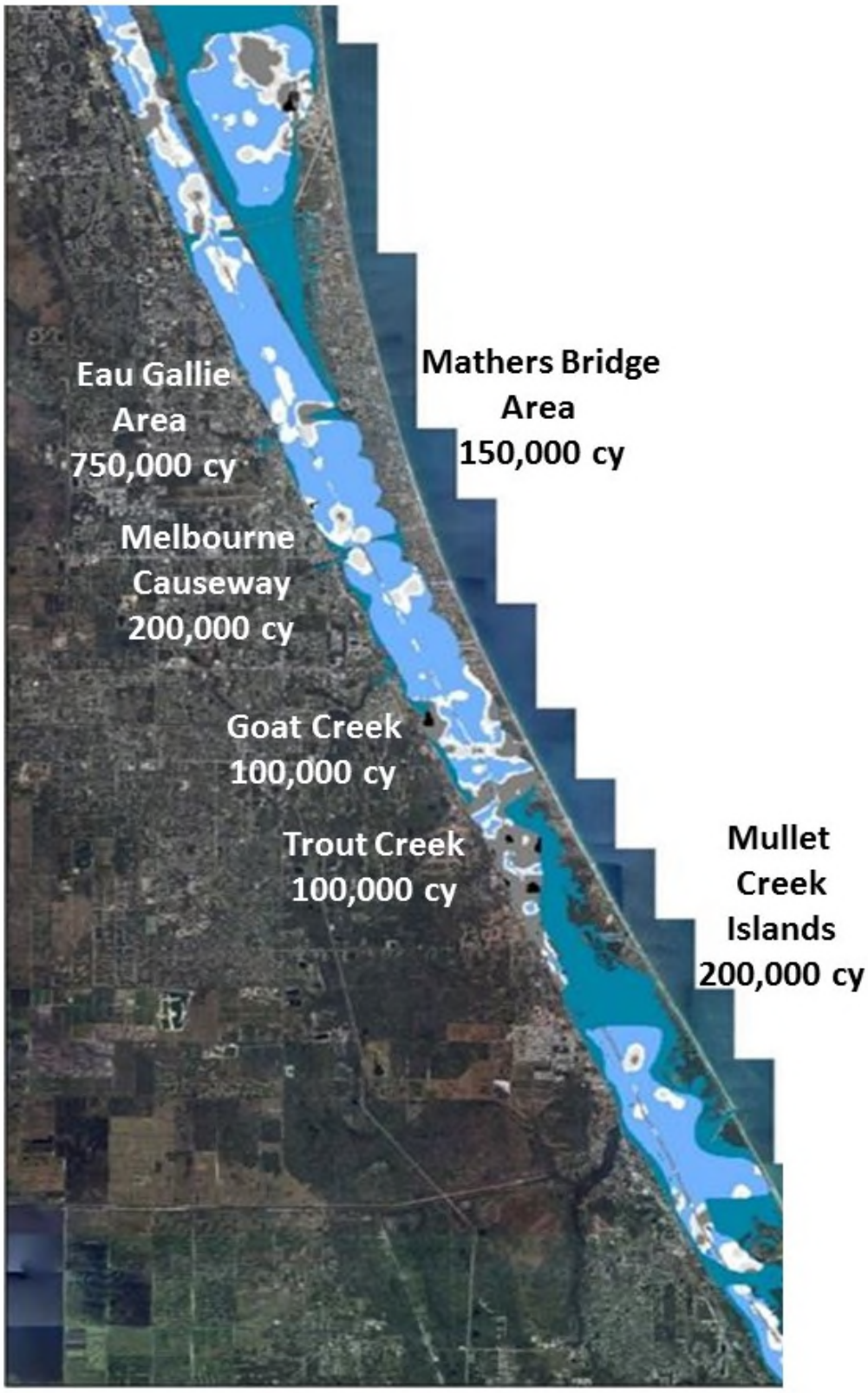
Note: The projects highlighted in green are the most cost-effective and are recommended as part of this plan.

As dredging proceeds, upland input of muck components must be reduced to prevent new muck accumulation. Therefore, land-based source control measures for nutrients, organic waste, and erosion are needed. Without source controls, muck removal will need to be frequently repeated, which is neither cost-effective nor beneficial to the lagoon's health. Public awareness and commitment is needed to control future muck accumulation. Activities that contribute organic debris and sediment to stormwater and open water must be curtailed. Additional scientific assessment should be carried out to evaluate and optimize the dredging process.



Note: Map is from SJRWMD for informational purposes only and is based on data from 2014. Annotation of project areas by County staff working with muck research scientists.

Figure 17: Location of Potential Muck Removal Projects in Mosquito Lagoon, Banana River Lagoon, and North IRL



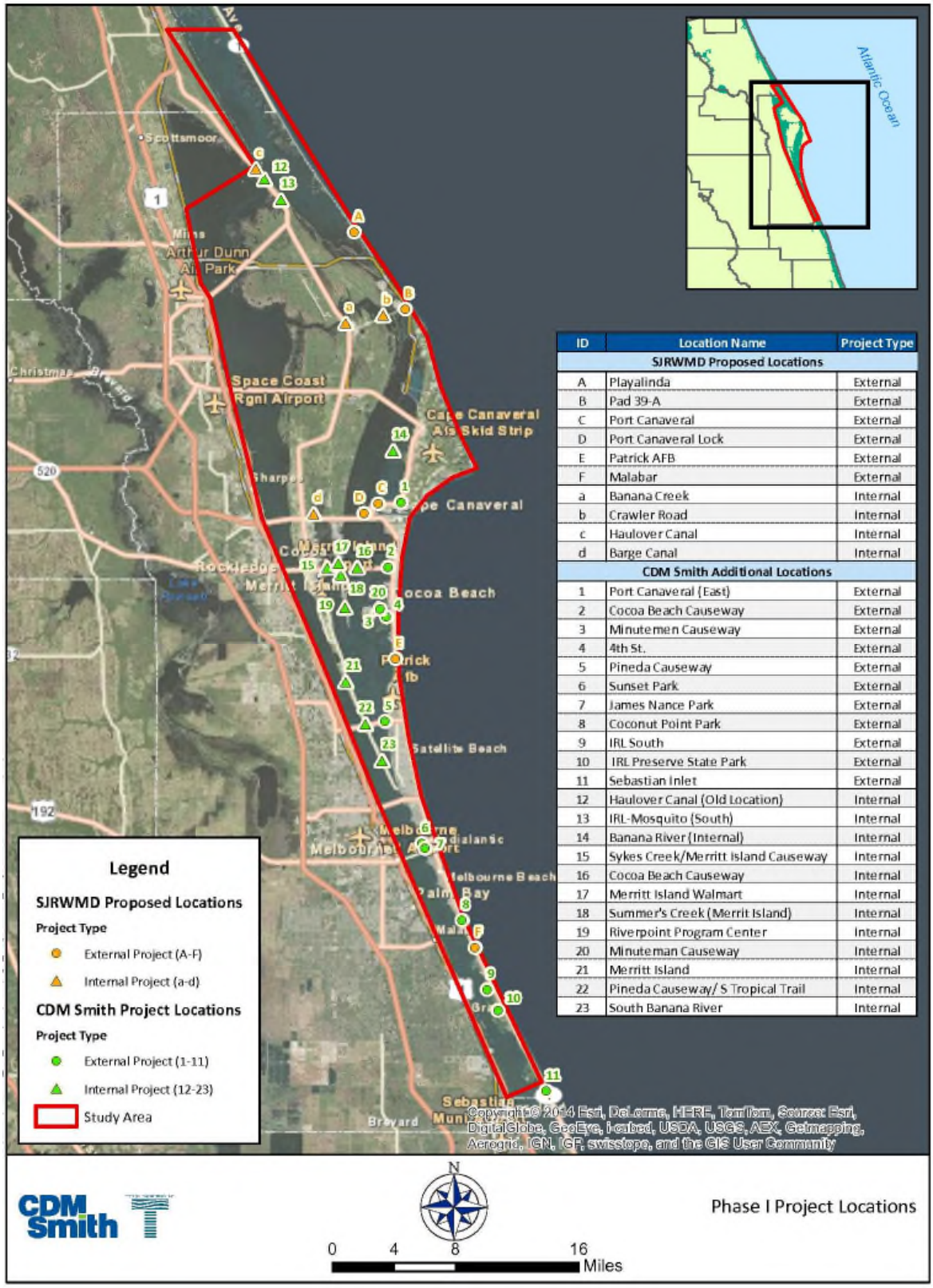
Note: Map is from SJRWMD for informational purposes only and is based on data from 2014. Annotation of project areas by County staff working with muck research scientists.

Figure 18: Location of Potential Muck Removal Projects in North IRL and Central IRL

4.2.2 Artificial Flushing

The 2011 superbloom occurred in the Banana River Lagoon, North IRL, and southern Mosquito Lagoon. These areas have long residence times, which means that water in these areas is not flushed out often and nutrients can build up leading to additional algal blooms. One option to help this condition is to increase the flushing by adding culverts or inlets to provide new connections to the ocean or within the IRL system to artificially increase flushing. However, artificial flushing projects have a lot of unknowns. While the flushing of the IRL system increases, the input of additional saltwater has the potential to affect the lagoon ecosystem. The amount of flushing needed to have a beneficial impact on the system without causing harm is also unknown. These projects are costly with permitting hurdles that must be overcome. For these reasons, artificial flushing projects are not a recommended component of this plan. However, this type of project is a potential option for restoring the lagoon and SJRWMD is taking the lead on evaluating options. The results of their evaluation to date are summarized below.

SJRWMD contracted with CDM Smith and Taylor Engineering to identify potential locations where artificial flushing projects would be beneficial. The first phase of the project (CDM Smith et. al., 2014) involved a literature review and Geographic Information System (GIS) desktop analysis. All of the locations considered in Phase I, including the top ranked locations, are shown in **Figure 19**. From this first phase, ten locations were identified for future evaluation as shown in **Table 34**. The external projects are those that could potentially connect the IRL system with the Atlantic Ocean whereas internal projects are connections within the IRL (CDM Smith et. al., 2015).



ID	Location Name	Project Type
SJRWMD Proposed Locations		
A	Playalinda	External
B	Pad 39-A	External
C	Port Canaveral	External
D	Port Canaveral Lock	External
E	Patrick AFB	External
F	Malabar	External
a	Banana Creek	Internal
b	Crawler Road	Internal
c	Haulover Canal	Internal
d	Barge Canal	Internal
CDM Smith Additional Locations		
1	Port Canaveral (East)	External
2	Cocoa Beach Causeway	External
3	Minutemen Causeway	External
4	4th St.	External
5	Pineda Causeway	External
6	Sunset Park	External
7	James Nance Park	External
8	Coconut Point Park	External
9	IRL South	External
10	IRL Preserve State Park	External
11	Sebastian Inlet	External
12	Haulover Canal (Old Location)	Internal
13	IRL-Mosquito (South)	Internal
14	Banana River (Internal)	Internal
15	Sykes Creek/Merritt Island Causeway	Internal
16	Cocoa Beach Causeway	Internal
17	Merritt Island Walmart	Internal
18	Summer's Creek (Merrit Island)	Internal
19	Riverpoint Program Center	Internal
20	Minuteman Causeway	Internal
21	Merritt Island	Internal
22	Pineda Causeway/ S Tropical Trail	Internal
23	South Banana River	Internal

Source: CDM Smith et. al., 2015.

Figure 19: Phase I Potential Artificial Flushing Project Locations

Table 34: Phase I Top Ranked Potential Artificial Flushing Project Locations

Project Site ID	Project Description	Zone	Project Type	Rank
D	Canaveral Lock*	Banana River Lagoon	External	1
C	Port Canaveral*	Banana River Lagoon	External	2
15	Sykes Creek/Merritt Island Causeway*	Banana River Lagoon	Internal	3
B	Pad 39-A*	Banana River Lagoon	External	4
16	Cocoa Beach Causeway	Banana River Lagoon	Internal	5
23	South Banana River	Banana River Lagoon	Internal	6
E	Patrick AFB*	Banana River Lagoon	External	7
20	Minuteman Causeway	Banana River Lagoon	Internal	8
1	Port Canaveral (East)	Banana River Lagoon	External	9
8	Coconut Point Park*	Central and Southern Portion of IRL Study Area	External	10

Source: CDM Smith et. al., 2015.
* Sites evaluated in Phase 2 of the CDM Smith and Taylor Engineering project for SJRWMD.

As part of the second phase of the project, six of the top ranked sites were further evaluated to assess the flushing volumes. These sites are noted in **Table 34**. Based on the initial evaluation of the sites, CDM Smith and Taylor Engineering determined that a project at the Sykes Creek/Merritt Island Causeway was not feasible. This location had a relatively new bridge crossing with built-up abutment protection that precludes construction of culverts and the increase of bridge openings. In addition, this connection would only provide an internal connection in the IRL and would not increase the tidal exchange. The five remaining sites were evaluated for the following types of connections (additional information in **Table 35**):

- Port Canaveral (Project Site C) – Culvert connection
- Pad 39-A (Project Site B) – Culvert connection
- Patrick AFB (Project Site E) – Culvert connection
- Canaveral Lock (Project Site D) – Open channel flow by keeping the Canaveral Lock open over extended periods. Additional maintenance dredging may be needed to remove sediment deposition near the gates.
- Coconut Point Park (Project Site 8) – Culvert connection
- Coconut Point Park (Project Site 8) – Inlet connection with an inlet that is at least 1,350-feet long, with an average depth of about 25 feet below mean sea level.

Table 35: Computed Hydraulics for Connections at Select Locations

Site/Potential Project	Flood Prism (million cubic ft)	Ebb Prism (million cubic ft)	Maximum Flow (cfs)	Estimated Impacted Area for 0.27 ft Tide Range (acres)
Port Canaveral Culvert (Project Site C)	1.51	-1.08	89	92 to 128
Pad 39-A Culvert (Project Site B) (estimated)	1.38 to 1.51	-1.08 to -1.59	N/A	92 to 135
Patrick AFB Culvert (Project Site E) (estimated)	1.38 to 1.51	-1.08 to -1.59	N/A	92 to 135
Canaveral Lock Open Channel Flow (Project Site D)	68.67	-83.03	-4,670	5,839 to 7,060
Coconut Point Park Culvert (Project Site 8)	1.38	-1.59	-94	117 to 135
Coconut Point Park Inlet (Project Site 8)	1,890	N/A	111,000	160,698

Source: CDM Smith et. al., 2015.
Note: Positive flow is towards the IRL.

A screening matrix was used to evaluate the costs and benefits of the project based on the criteria for the tidal prism, area affected, land acquisition, relative costs, ease of construction, seagrass loss, and benefit to cost ratio. The top ranked project from this evaluation is the Port Canaveral culvert (CDM et. al., 2015). It is important to note that a culvert will likely not provide the amount of flushing needed to provide a significant benefit to the lagoon. The size of the lagoon in Brevard County is more than 150,000 acres. The second ranked project is the Canaveral Lock open channel. This option may have challenges moving forward based on past experience with sediment blocking submarines from moving out of the port after the lock was held open for an extended period of time. In addition, there are limited data on the water quality benefits and unintended ecological consequences that could result from keeping the lock open.

Another potential option for adding flushing in the lagoon system is when a large storm creates an opening. Instead of immediately filling in the new opening, an evaluation should be completed using available flushing models to determine the potential benefits of temporarily stabilizing the opening long enough to provide significant ocean exchange for short-term water quality benefits, but not long enough to excessively alter beach erosion and sand transport into the lagoon.

4.3. Projects to Restore the Lagoon

Another component of this plan is to implement projects that will restore important, filtering ecosystem services within and adjacent to the lagoon to improve water quality and resilience. Creating oyster reefs and living shorelines made up of oysters and natural vegetation will help to filter excess nutrients and suspended solids from the lagoon, which will improve water quality, allowing for seagrass growth and reducing the number and severity of algal blooms in the lagoon system. Oyster reefs and living shorelines also create habitat for more than 300 different lagoon species. These types of projects take a few years before the full benefits are seen in the lagoon as it takes some time for the oysters and vegetation to grow and become established. As water quality improves, oysters will filter a greater volume annually, increasing natural resilience to extreme events and algal blooms.

The sections below summarize the oyster restoration and living shoreline projects that are proposed.

4.3.1 Oyster Restoration

In addition to the fisheries value of oysters, they provide a variety of nonmarket ecosystem services. Restored oyster reefs have been shown to result in a positive net effect on the removal and sequestration of nitrogen compared to unrestored sites. As nitrogen is a major contributor to algal blooms and turbidity, removal of nitrogen from the system often yields water quality benefits. The nitrogen is removed through three pathways: (1) assimilation of the nitrogen in the shell and tissues of the oysters, (2) enhanced burial of nitrogen into the sediments surrounding oyster reefs, and (3) conversion to gaseous form with return to the atmosphere through microbe-related denitrification (zu Ermgassen 2016).

The primary mechanism by which oyster reefs remove nitrogen is by increasing local denitrification rates.

The primary mechanism by which oyster reefs remove nitrogen from the system is by increasing local denitrification rates (Grabowski et. al. 2012). While oyster reefs have a relatively small impact on average nutrient concentrations for an entire waterbody, their local impact may be much larger. For example, in a study by Kroeger (2012), it was noted that the eastern section of Mobile Bay had experienced harmful algal blooms that caused fish kills. These conditions occur in the summer months when denitrification by restored oysters would be highest. Therefore, the nitrogen removal associated with the oyster reef project in the bay may make a noticeable contribution to the local water quality by avoiding peak nitrogen concentrations that may trigger algal blooms. In a study by Kellogg et. al. (2013), the denitrification rates associated with oyster reefs from various studies were documented. Based on these studies, the average effect of denitrification rate is 291 µmol $N/m^2/hr$, which equates to 0.04 lbs $N/m^2/yr$ (161.9 lbs N/ac/yr).

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The focus for oyster restoration in the IRL system is to provide denitrification and scour protection along the shoreline (see **Section 4.3.2** for details on scour protection). The goal is not to restore historic oyster reefs in the system because information is not available on where oyster reefs were historically located. In addition, large-scale reefs would compete for space with seagrass, and seagrass are a more critical component of the system. Therefore, the reefs that will be constructed will be shaped as narrow bars and placed along the shoreline, shallower than the typical depths for seagrass, to act as a living wave break along the shoreline. The benefits of oyster reefs as a living shoreline are shown in **Section 4.3.2**.

Most of the IRL system no longer has a sufficient oyster population to allow for natural recruitment of oysters to suitable substrate. Therefore, to create the oyster reefs, the oysters must be grown and then carefully placed on appropriate substrate in the selected locations. To help grow the oyster population, in FY2013-2014, the Board of County Commissioners approved $150,000 to launch the Oyster Gardening Program. This program is a citizen-based oyster propagation program where juvenile oysters are raised under lagoon-front homeowners' docks and eventually used to populate constructed oyster reef sites. Oyster Gardening participants receive spat-on-shell oysters plus all supplies needed to care for their oysters until six to nine months later when they are placed at new reef sites in the lagoon. The Oyster Gardening Program is executed in partnership with the Brevard Zoo. The project continued during FY2014-2015 with funding from the state and in FY2015-2016 with funding from the County. The County plans to continue funding this program annually.

The oysters from the Oyster Gardening Program have been used to develop several pilot reefs in the IRL. In FY 2014-2015, the County received a $410,000 appropriation from the Florida

Legislature for the Indian River Lagoon Oyster Restoration Project and the pilot study will be completed in fall 2016. The final design of future sites will be determined based on monitoring results from the pilot reefs and wave tank studies to test reef stability and wave attenuation.

4.3.2 Living Shorelines

Typically efforts to protect shorelines have involved hardened structures, such as seawalls, rock revetments, or bulkheads, to dampen or reflect wave energy. Although these types of structures may mitigate shoreline retreat, they accelerate scour and the ecological damages that result can be great (Scyphers et. al. 2011). The living shoreline approach incorporates natural habitats into a shoreline stabilization design; maintains the connectivity between aquatic, intertidal, and terrestrial habitats; and minimizes the adverse impacts of shoreline stabilization on the estuarine system. These efforts range from maintaining or transplanting natural shoreline vegetation without additional structural components to incorporating shoreline vegetation with hardened features, such as rock sills or oyster bars, in settings with higher wave energy (Currin et. al. 2010). Selection of the most appropriate management system begins with a site analysis to evaluate the type of shoreline, amount of energy that a shoreline experiences, sediment transport forces, type and location of ecological resources, and adjacent land uses (Restore America's Estuaries 2015).

Oyster reefs can function as natural breakwaters, in addition to providing nutrient removal benefits through denitrification, as noted in **Section 4.3.1**. The rate of vertical oyster reef growth on unharvested reefs is far greater than any predicted sea-level rise rate; therefore, reefs could serve as natural protection against shoreline erosion, intertidal habitat loss, and property damage and loss along many estuarine shorelines. Oyster reefs reduce erosion of other estuarine habitats such as salt marshes and submerged aquatic vegetation by serving as a living breakwater that attenuates wave energy and stabilizes sediments (Grabowski et. al. 2012).

As part of a study for the Chesapeake Bay, Forand et. al. (2014) evaluated the pollutant load reductions from living shoreline projects in the area. The results of this evaluation are shown in **Table 36**, and were used to update the U.S. Environmental Protection Agency Chesapeake Bay Program Office (CBPO) estimate of the TN and TP reductions per foot of living shoreline. It is important to note that the information in this table is from states up north where temperatures become much cooler for longer periods of time than what occurs in Brevard County. Therefore, the benefits of oysters in the IRL system will likely be greater than those estimated here.

Table 36: Pollutant Load Reductions for Shoreline Management Practices

Source	TN (lb/ft/yr)	TP (lb/ft/yr)	Study Location
Ibison, 1990	1.65	1.27	Virginia
Ibison, 1992	0.81	0.66	Virginia
Proctor, 2012	N/A	0.38 or 0.29	Virginia
MDE, 2011	0.16	0.11	Maryland
Baltimore County mean (Forand, 2013)	0.27	0.18	Maryland
CBPO Scenario Builder (CBP, 2012)	0.02	0.0025	CBP policy threshold that comes from one stream restoration site in Maryland
New Interim CBPO Rate (Expert Panel, 2013)	***0.20***	***0.068***	***CBPO policy thresholds that comes from six stream restoration sites***

Note: Table is from Forand et. al. 2014.

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In order to create enough oyster reef area to filter the volume of lagoon water annually, approximately 20 miles (105,600 feet) of oyster reef living shoreline is needed with a width of 6 feet. These reefs will be placed throughout the IRL system along mosquito impoundments, parks, and private properties where owners want to participate. Based on the pilot project costs and knowing that larger reefs will be constructed more efficiently (using information from the pilot projects), it is estimated that the 20 miles of living shoreline could be constructed at a cost of $10 million. The resulting reefs would provide a reduction of 21,120 lbs/yr of TN and 7,181 lbs/yr of TP (see **Table 37**).

Table 37: Estimated Oyster Reef Living Shoreline TN and TP Reductions and Costs

Project	Total Length (feet)	TN Reductions (lbs/yr)	TP Reductions (lbs/yr)	Cost Estimate	Cost/lb/yr of TN Reduction	Cost/lb/yr of TP Reduction
Oyster reef living shorelines	105,600	21,120	7,181	$10,000,000	$473	$1,393

Note: The projects highlighted in green are the most cost-effective and are recommended as part of this plan.

4.4. Respond

The funding raised from the Save Our Lagoon referendum will go towards the projects listed in the sections above that will reduce or remove pollutants and restore the lagoon. In addition, $10 million of the funding, over a period of 10 years, will go towards monitoring efforts to measure the success, nutrient removal efficiency, and cost effectiveness of projects included in this plan or in future updates of this plan. Measuring effectiveness is important for reporting progress toward total load reduction targets and for refining project designs to be more effective with each iteration. The monitoring data will be used to determine which projects are providing the most benefit in the most cost-effective manner so that the plan can be updated, as needed. The data will also be used to ensure the lagoon is responding as anticipated to the reductions made so that changes to the plan can be implemented if the lagoon is not responding as expected.

4.4.1 Adaptive Management to Report, Reassess, and Respond

The IRL is located along the Space Coast, which is also known as a global center for exploration, innovation, and development of cutting edge technology. With a dedicated funding source and a brilliant community dedicated to meeting the challenges of today and tomorrow, it is wise to have a process that allows this plan to be updated and revised as new opportunities and better solutions are developed. The intent of the proposed adaptive management strategy is to provide a process that not only allows but also fosters the development and implementation of better tools and techniques, and allows the tax rate to be reduced accordingly or retired ahead of schedule.

Although this plan was developed with the best information available in 2016, identifying the sources of water quality pollution and pairing those problems with the most timely and cost-effective solutions is a rapidly changing field of knowledge. In order to respond to change and take advantage of future opportunities, monitoring is necessary. Even without change in the industry, monitoring will provide data to support and refine the application of existing technology. An adaptive management approach will be used to provide a mechanism to make adjustments to the plan based on new information. As projects from this plan are implemented, the actual costs and nutrient reduction benefits will be tracked and the plan will be modified, as needed, as project performance in the lagoon basin is better understood.

This plan will be updated approximately annually with information on projects implemented and adjustments to the proposed projects. A volunteer team of diversely skilled citizens will be assembled to assist the County with the annual plan updates. Team members will represent the fields of Science, Technology, and Economics for Adaptive Management (STEAM). Two to three appointments to the STEAM Team will be made by each member of the authority that collects the Save Our Lagoon revenues, whether is it the Brevard County Board of County Commissioners or a special district. STEAM Team appointees will also represent municipalities, lagoon advocacy organizations, tourism, and real estate interests. Appointees will serve for a two-year term, after which time they may be considered for reappointment or replacement. The Team's recommendations will be presented annually to the authority that collects the revenues, and changes to the plan will be approved by that authority.

Brevard County staff will provide project monitoring reports to the STEAM Team and will work with them to recommend adjusting the planned projects, as needed. The adaptive management process allows for alternative projects to be submitted by municipalities and other community partners to be reviewed by the STEAM Team for inclusion in the next annual update to this plan. Projects that deliver comparable nutrient removal benefits may be substituted for listed projects in the same sub-lagoon in exchange for the allocated funds. If a substituted project costs more than the project listed in this plan, the requesting partner would have to provide the balance of the costs. The requesting partner will be allowed reasonable overhead cost to manage the project from design and permitting through construction completion.

4.4.2 Research Needs

Although this project plan does not fund research, it should be recognized that many important research questions need attention. Universities, state agencies, and non-profit organizations are currently leading lagoon research efforts. This plan acknowledges the research needs identified in the FDEP BMAPs, SJRWMD 2011 Superbloom Report, and IRL National Estuary Program (NEP) Comprehensive Conservation and Management Plan (CCMP) Update, which are summarized below.

- Research needs identified in the BMAPs (FDEP 2013a, FDEP 2013b, and FDEP 2013c):
  - Collect new bathymetry data for the IRL Basin, which would be used in the seagrass depth limit evaluations.
  - Continue and increase the frequency of the monitoring along the existing seagrass transects to track seagrass composition, density, and extent.
  - Implement phytoplankton, drift algae, and macroalgae monitoring in the basin.
  - Track watershed loads by monitoring inflow and outflow nutrient concentrations for each jurisdiction.
  - Verify the BMP effectiveness values used in the BMAPs, as needed.
  - Test/verify the TN, TP, and seagrass depth regression equations using the seagrass data collected since 1999.
  - Collect ground water load contribution data and conduct ground water modeling.
  - Implement storm event monitoring at the major outfalls.
  - Assess potential impacts to seagrass from sediment resuspension due to high boat traffic in parts of the lagoon.
  - Collect data on nutrient flux/internal recycling of legacy nutrient loads held within the IRL sediments and exchanged with the water column.

- Research needs identified in 2011 Superbloom Report (SJRWMD 2016b):
  - Garner an improved understanding of the ideal biological and physiological conditions and tolerances of picocyanobacteria (small cyanobacteria) and Pedinophyceae (green microflagellate), including their ability to use organic forms of nutrients, their ability to fix nitrogen, their nutrient uptake rates, their reproductive rates, and their defenses against grazers.
  - Maintain or expand water quality sampling to ensure spatiotemporal variations are captured adequately, which could include continuous monitoring of various parameters to fill gaps between monthly samples.
  - Develop an improved understanding of the physiological tolerances of drift algae and seagrasses, especially manmade conditions that could be mitigated to improve health or natural resilience.
  - Maintain or expand surveys of drift algae and seagrasses to improve the capacity to evaluate their role in nutrient cycles.
  - Improve the ability to model bottom-up influences from external and internal nutrient loads, including atmospheric deposition, surface water runoff, groundwater inputs, diffusive flux from muck, decomposition of drift algae, and cycling and transformation of nitrogen and phosphorus.
  - Enhance surveys of bacterioplankton to improve the understanding of nutrient cycling.
  - Improve surveys of potential zooplanktonic, infaunal, epifaunal, and fish grazers to enhance the understanding of spatiotemporal variation in top-down control of phytoplankton blooms.
  - Evaluate grazing pressure exerted by common species to enhance the understanding of top-down control of phytoplankton blooms.

- Research needs identified in the CCMP Update (IRL NEP 2008):
  - Undertake further studies of septic systems in the region to quantify the impacts of septic systems on the IRL and to further quantify the extent of “problem” and “potential problem” areas.
  - Continue projects related to monitoring the resources of the IRL and address gaps in data as needed.
  - Identify, inventory and assess finfish and shellfish habitats within the IRL and implement appropriate management and restoration strategies.
  - Develop a coordinated fisheries research agenda to improve the present knowledge of the fisheries in the IRL.
  - Support and expand research initiatives and coordinated finfish and shellfish management strategies specific to the IRL.
  - Support the inventory and assessment of non-native invasive fauna and flora within the IRL basin.
  - Implement a lagoon-wide, multi-species, multi-disciplinary approach to determine the status of emerging infectious diseases in the IRL, assess trends, and identify underlying causes.
  - Undertake studies of wildlife diseases occurring in the IRL region, which may be caused by human activities.
  - Track state, national and international actions and research concerning climate change issues that affect the IRL.
  - Support IRL-based research that considers and integrates global climate change issues and seeks practical scientific, technological and public policy solutions.
  - Undertake research to develop new and improved wetland management BMPs.
  - Monitor boating impacts to IRL natural resources. Where appropriate, establish resource protection zones and monitor their effectiveness.

Section 5. Maximizing Benefits and Managing Risk

In order to maximize the benefits for every dollar spent on restoration and minimize the unavoidable risks inherent with repairing a complex system such as the IRL that has been damaged by decades of human impact, the County applied rigorous decision science to select projects that would be most effective and to sequence those projects into a multi-year plan. Top scientists in the region, tourism experts, fisheries experts, civic leaders, environmentalists, and property value experts knowledgeable about the IRL and Brevard County were consulted as part the process to develop this projects plan.

This effort has resulted in a plan that maximizes both the return on investment for taxpayer funds, as well as the likelihood that a healthy lagoon will be restored as quickly as possible with the funds made available.

5.1. Project Selection to Maximize Return on Investment

Assessment of risk by Subject Matter Experts determined that the amount and speed of nutrient reductions are the two most critical factors affecting the success of restoring IRL health. Therefore, those projects with the greatest nutrient reduction benefit for the least cost are recommended for funding and, of those, the projects with the greatest benefits are planned for implementation first. Three other key criteria drove this plan:

1. Achieving sufficient nutrient abatement through a blend of options was a key success factor for restoration.
2. No one type of project alone could achieve an adequate nutrient abatement.
3. The target for nutrient reduction must be sufficient to minimize the need for recurring expensive muck removal, which is important for future cost avoidance.

The plan sequences a diversity of project types, implementing the highest nutrient reduction impact early and implementing other projects concurrently in order to achieve a multi-pronged blend of total nutrient abatement as quickly as possible with minimal risk. Another important consideration for project sequencing was how quickly projects could produce significant nutrient pollution reduction. For decades, man-made nutrient pollution from fertilizers, septic systems, and stormwater runoff have been introduced at varying distances from the IRL. The soils are still saturated with those nutrients. Therefore, if all sources of nutrient pollution ended today, groundwater would continue to transport nutrients accumulated in the soil into the IRL with every rain event for decades in the future. However, soils next to the IRL will purge themselves quickly, in days or weeks. Septic system conversions near the lagoon or near drainage conduits into the lagoon are likely to produce water quality and reduced pathogen benefits in the lagoon in weeks or months whereas septic conversions more distant from waterways are not anticipated to generate lagoon benefits for several decades. Therefore, whenever possible, project selection and sequencing scheduled nutrient abatements closest to the IRL first.

Undoing the damage to a unique and complex biological system as large as the IRL carries inherent risk. The County made the decision to be open and transparent about that risk. Assessing that risk diligently has allowed the County to mitigate and manage risk proactively in the development of this plan.

Two subjective risk assessments were conducted by an independent consultant working with top science Subject Matter Experts most knowledgeable about the IRL. The first assessment was conducted with individual Subject Matter Experts and occurred before plan projects were defined.

These experts assessed that the likelihood of a healthy fish population in the IRL would begin to rise faster after reaching a critical point of nutrient reduction. Therefore, there is a "critical mass" of nutrient reduction needed to achieve significant and sustainable IRL health benefits. The Subject Matter Experts also assessed that the likelihood of recovery would continue to improve as more nutrients are removed from the IRL and then begin to decline if too many nutrients were removed. The result of that first risk assessment reinforced the objective of reducing nutrients in the IRL as quickly as possible through the definition and sequencing of the projects in this plan.

A second uncertainty assessment was conducted in a meeting at the Florida Institute of Technology with a group of water quality, toxicity, muck, fish, algae, invertebrates, and seagrass Subject Matter Experts. First, the experts were briefed about the projects proposed in this plan. The experts were then asked their subjective assessment of the likelihood of a healthy lagoon after this plan was implemented in each sub-lagoon. Sub-lagoons were assessed because the experts had commented previously that each sub-lagoon functioned differently. This group assessment indicated higher likelihoods of success than the first assessment. However, the scientists continued to voice concern about the restoration of the IRL in the absence of regulatory reform needed to prevent new development from adding more septic system and stormwater pollution to the lagoon. Therefore, updated regulations are needed as a complement to this plan to ensure timely and sustained success in restoring health to the IRL.

Figure 20 represents the input from the Subject Matter Experts.

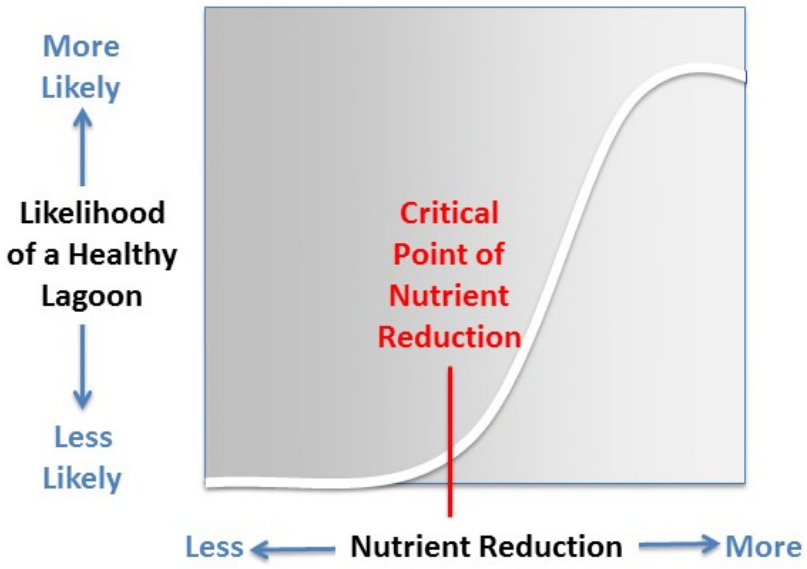


Figure 20: Likelihood of a Healthy IRL as Nutrients are Removed

There are other large-scale aquatic system restoration efforts that have been successful in achieving restoration. Some of these systems were damaged even more so than the IRL, but they have recovered through the implementation of extensive, multi-year, and multi-pronged restoration plans. These include the Chesapeake Bay, Cuyahoga River, Lake Erie, and Tampa Bay. These areas have reaped enormous economic and quality of life benefits as a result of dedicated investments in their restoration.

Section 6. Summary of the Plan

The County has been working with its municipalities, FDOT District 5, and Patrick AFB to update total loading estimates to the lagoon and revise the TMDLs. Based on this process, five-month TMDLs, which target the load reductions needed during the seagrass growing period (January – May), were determined. These load reductions specifically target water quality conditions needed for restoring lagoon seagrass beds in order to provide crucial habitat for fish and other marine life. Therefore, as this Save Our Lagoon Project Plan was developed, the TN and TP reductions from the proposed projects were compared to the five-month TMDLs for each sub-lagoon. After satisfying the five-month TMDLs, annual load reductions for each project were compared to the 12-month TMDLs. In all cases, the projects identified to meet the five-month TMDLs were sufficient to meet the 12-month TMDLs. As projects are implemented, monitoring will occur throughout the year to track progress toward the five-month and full-year TMDLs.

Only the projects that reduce external loading to the lagoon, not muck removal or living shorelines, were used to meet the TMDLs. Even though decades of treatment projects to reduce nutrient loads have been completed to date, only the reductions associated with BMAP projects that were completed between January 1, 2010 (the last year of the SWIL model period) and February 29, 2016 (the end of the last BMAP reporting period) were included in the load reduction calculations as these projects provide nutrient load reductions in addition to those listed in the plan. In Zone A of the Central IRL, the reductions from SJRWMD's C-1 re-diversion project, which is being implemented with cost-share funding from FDEP and Brevard County, were also included as this project will result in significant load reductions. As shown in **Table 38**, **Table 40**, and **Table 42**, the projects proposed in this plan plus the recently completed BMAP projects and C-1 re-diversion project exceed the TMDL five-month reductions.

The total project reductions were also compared to the full year estimated loading to the lagoon from the SWIL model. As shown in **Table 39**, **Table 41**, and **Table 43**, the proposed projects in this plan, as well as the recently completed BMAP projects and C-1 re-diversion project, achieve significant reductions of the overall loading to the lagoon.

Table 38: Banana River Lagoon Project Reductions to Meet Five-Month TMDL

Project	TN Reductions (lbs/yr)	TP Reductions (lbs/yr)
Fertilizer Ordinance Implementation	2,945	603
Future Fertilizer Education	393	52
Septic System Removal	5,723	0
Septic System Upgrade	2,144	0
Stormwater Projects	13,867	2,257
BMAP Projects (2010-February 2016)	5,303	1,440
Total	***30,375***	***4,352***
TMDL Reductions (five-month)	***30,337***	***2,737***
% of TMDL Reductions Achieved	***100.1%***	***159.0%***

Table 39: Banana River Lagoon Project Reductions Compared to Full Year Loading

Project	TN Reductions (lbs/yr)	TP Reductions (lbs/yr)
Fertilizer Ordinance Implementation	7,068	1,446
Future Fertilizer Education	943	125
Septic System Removal	13,736	0
Septic System Upgrade	5,145	0
Stormwater Projects	48,391	6,977
BMAP Projects (2010-February 2016)	12,726	3,456
Total	***88,009***	***12,004***
Starting Load (full year)	***477,020***	***44,269***
% of Starting Load Reduced	***18.4%***	***27.1%***
Full-Year TMDL % Reductions	***9.0%***	***9.6%***

Table 40: North IRL Project Reductions to Meet Five-Month TMDL

Project	TN Reductions (lbs/yr)	TP Reductions (lbs/yr)
Fertilizer Ordinance Implementation	8,070	1,651
Future Fertilizer Education	1,077	143
WWTF Upgrade for Reclaimed Water	9,578	TBD
Septic System Removal	5,845	0
Septic System Upgrade	4,279	0
Stormwater Projects	15,622	2,542
BMAP Projects (2010-February 2016)	16,983	3,180
Total	***61,454***	***7,516***
TMDL Reductions (five-month)	***61,447***	***7,410***
% of TMDL Reductions Achieved	***100.0%***	***101.4%***

Table 41: North IRL Project Reductions Compared to Full Year Loading

Project	TN Reductions (lbs/yr)	TP Reductions (lbs/yr)
Fertilizer Ordinance Implementation	19,368	3,962
Future Fertilizer Education	2,584	343
WWTF Upgrade for Reclaimed Water	22,988	TBD
Septic System Removal	14,029	0
Septic System Upgrade	10,270	0
Stormwater Projects	52,936	7,567
BMAP Projects (2010-February 2016)	40,758	7,632
Total	***162,933***	***19,504***
Starting Load (full year)	***988,847***	***99,340***
% of Starting Load Reduced	***16.5%***	***19.6%***
Full-Year TMDL % Reductions	***11.4%***	***11.4%***

Table 42: Central IRL Project Reductions to Meet Five-Month TMDL

Project	TN Reductions (lbs/yr)	TP Reductions (lbs/yr)
Fertilizer Ordinance Implementation	8,108	1,659
Future Fertilizer Education	1,082	144
WWTF Upgrade for Reclaimed Water	7,413	TBD
Septic System Removal	11,977	0
Septic System Upgrade	5,102	0
Stormwater Projects	5,116	833
C-1 Re-Diversion	53,892	6,295
BMAP Projects (2010-February 2016)	378	243
Total	***93,068***	***9,174***
TMDL Reductions (five-month)	***67,547***	***8,151***
% of TMDL Reductions Achieved	***137.8%***	***112.6%***

Table 43: Central IRL Project Reductions Compared to Full Year Loading

Project	TN Reductions (lbs/yr)	TP Reductions (lbs/yr)
Fertilizer Ordinance Implementation	19,460	3,981
Future Fertilizer Education	2,596	345
WWTF Upgrade for Reclaimed Water	17,790	TBD
Septic System Removal	28,744	0
Septic System Upgrade	12,244	0
Stormwater Projects	17,113	2,497
C-1 Re-Diversion	129,341	15,108
BMAP Projects (2010-February 2016)	908	582
Total	***228,196***	***22,513***
Starting Load (full year)	***698,937***	***95,051***
% of Starting Load Reduced	***32.6%***	***23.7%***
Full-Year TMDL % Reductions	***22.9%***	***21.5%***

In addition to the projects that address the external nutrient loading summarized above, the plan includes muck removal and oyster reef living shoreline projects that will address internal nutrient loading within the lagoon itself. The reductions from the muck removal and oyster reef projects are summarized in **Table 44**, along with the percentage of nutrients from muck flux that would be reduced by these projects.

Table 44: Muck Removal and Oyster Reef Project Reductions Compared to Nutrients from Muck Flux

Project Type	Mosquito Lagoon		Banana River Lagoon		North IRL		Central A	
	TN (lbs/yr)	TP (lbs/yr)	TN (lbs/yr)	TP (lbs/yr)	TN (lbs/yr)	TP (lbs/yr)	TN (lbs/yr)	TP (lbs/yr)
Muck Removal Project Reductions	35,000	5,250	165,300	24,800	231,500	34,700	59,500	8,900
Oyster Reef Living Shoreline Reductions	N/A	N/A	8,934	3,038	9,124	3,102	3,062	1,041
Total Project Reductions	35,000	5,250	174,234	27,838	240,624	37,802	62,562	9,941
Estimated Muck Flux Loading	97,400	14,600	452,000	68,400	660,000	99,000	170,000	25,000
% of Muck Flux Reduced	***35.9%***	***36.0%***	***38.5%***	***40.7%***	***36.5%***	***38.2%***	***36.8%***	***39.8%***

Table 45 summarizes the projects, estimated costs, TN and TP reductions, and costs per pound of TN and TP removed. The information from this table on the project reductions and cost effectiveness was used to determine the schedule for implementing the projects (see **Table 46**). Projects that could achieve large reductions quickly, such as fertilizer reductions and WWTF upgrades, as well as the most cost-effective stormwater projects were prioritized for implementation. This prioritization allows for the reductions to occur as quickly as possible while best using available funding sources. The timeline in **Table 46** is shown in years after funding from the Save Our Lagoon referendum becomes available.

As noted in **Section 4.4.1**, an adaptive management approach will be used in the implementation of this plan. As projects are completed and information on the actual construction costs, timeline, and reductions are obtained, the plan will be adjusted, as needed, to ensure that the most cost-effective projects are being used to meet the IRL restoration goals.

Table 45: Summary of Projects, Estimated TN and TP Reductions, and Costs

Project	Estimated Total Project Cost	TN Reductions (lbs/yr)	Cost/lb/yr of TN	TP Reductions (lbs/yr)	Cost/lb/yr of TP
Fertilizer Management/Public Education	$625,000	6,123	$102	813	$769
WWTF Upgrades for Reclaimed Water	-	-	-	-	-
City of Titusville Osprey WWTF	$8,000,000	22,988	$349	TBD	TBD
City of Palm Bay WRF	$1,400,000	17,790	$79	TBD	TBD
Septic System Removal	-	-	-	-	-
Banana River Lagoon Septic System Connections	$12,260,000	13,736	$898	N/A	N/A
North IRL Septic System Connections	$12,820,000	14,029	$914	N/A	N/A
Central IRL Septic System Connections	$16,684,000	28,744	$746	N/A	N/A
Septic System Upgrades	-	-	-	-	-
Banana River Lagoon Septic System Upgrades	$4,128,000	5,145	$802	N/A	N/A
North IRL Septic System Upgrades	$8,240,000	10,270	$802	N/A	N/A
Central IRL Septic System Upgrades	$9,824,000	12,244	$802	N/A	N/A
Stormwater Projects	-	-	-	-	-
Banana River Lagoon Stormwater Projects	$4,625,000	48,391	$96	6,896	$671
North IRL Stormwater Projects	$4,850,000	52,936	$92	7,632	$635
Central IRL Stormwater Projects	$1,325,000	17,113	$78	2,497	$531
Muck Removal	-	-	-	-	-
Mosquito Lagoon Muck Removal	$16,100,000	35,000	$460	5,250	$3,067
Banana River Lagoon Muck Removal	$71,750,000	165,300	$434	24,800	$2,893
North IRL Muck Removal	$89,250,000	231,500	$386	34,700	$2,572
Central IRL Muck Removal	$21,000,000	59,500	$353	8,900	$2,400
Oyster Reef Living Shorelines	$10,000,000	21,120	$473	7,181	$1,393
Projects Monitoring	$10,000,000	-	-	-	-
Total	***$302,881,000***	***761,929***	***$398 (average)***	***98,670***	***$3,070 (average)***

Table 46: Timeline for Funding Needs

Project Name	Total Project Cost	Cost by Year									
		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Fertilizer Management/Public Education	$625,000	Year 1 of Program	Year 2 of Program	Year 3 of Program	Year 4 of Program	Year 5 of Program					
		$125,000	$125,000	$125,000	$125,000	$125,000	-	-	-	-	-
WWTF Upgrades	-	-	-	-	-	-	-	-	-	-	-
City of Titusville Osprey WWTF	$8,000,000	Design & Permitting	Bid & Mobilize	Complete Construction	-	-	-	-	-	-	-
		$500,000	$500,000	$7,000,000	-	-	-	-	-	-	-
City of Palm Bay WRF	$1,400,000	Construction	-	-	-	-	-	-	-	-	-
		$1,400,000	-	-	-	-	-	-	-	-	-
Septic System Removal	-	-	-	-	-	-	-	-	-	-	-
Banana River Lagoon	$12,260,000	Design & Permitting	Sykes Creek N	Sykes Creek M	Sykes Creek T	Sykes Creek X	Sykes Creek V	Sykes Creek U	Sykes Creek Z	-	-
		$500,000	$1,720,000	$1,160,000	$2,780,000	$280,000	$1,960,000	$2,900,000	$960,000	-	-
North IRL	$12,820,000	Design & Permitting	Cocoa K & Melbourne	Cocoa J, Rockledge, Titusville	S Beaches A	South Central C	South Central A	South Central D	Sykes Creek C	-	-
		$500,000	$920,000	$2,540,000	$840,000	$2,640,000	$2,300,000	$1,880,000	$1,200,000	-	-
Central IRL	$16,684,000	Design & Permitting	Palm Bay 1/2 Sewer	Palm Bay 1/2 Sewer	Palm Bay B	West Melbourne	Palm Bay A	-	-	-	-
		$500,000	$3,882,000	$3,882,000	$4,700,000	$2,240,000	$1,480,000	-	-	-	-
Septic System Upgrades	-	-	-	-	-	-	-	-	-	-	-
Banana River Lagoon	$4,128,000	24 Upgrades	26 Upgrades	26 Upgrades	26 Upgrades	26 Upgrades	26 Upgrades	26 Upgrades	26 Upgrades	26 Upgrades	26 Upgrades
		$384,000	$416,000	$416,000	$416,000	$416,000	$416,000	$416,000	$416,000	$416,000	$416,000
North IRL	$8,240,000	35 Upgrades	40 Upgrades	55 Upgrades	55 Upgrades	55 Upgrades	55 Upgrades	55 Upgrades	55 Upgrades	55 Upgrades	55 Upgrades
		$560,000	$640,000	$880,000	$880,000	$880,000	$880,000	$880,000	$880,000	$880,000	$880,000
Central IRL	$9,824,000	44 Upgrades	50 Upgrades	65 Upgrades	65 Upgrades	65 Upgrades	65 Upgrades	65 Upgrades	65 Upgrades	65 Upgrades	65 Upgrades
		$704,000	$800,000	$1,040,000	$1,040,000	$1,040,000	$1,040,000	$1,040,000	$1,040,000	$1,040,000	$1,040,000
Stormwater Projects	-	-	-	-	-	-	-	-	-	-	-
Banana River Lagoon	$4,625,000	2 Projects	3 Projects	6 Projects	6 Projects	6 Projects	6 Projects	6 Projects	6 Projects	-	-
		$400,000	$475,000	$750,000	$600,000	$600,000	$600,000	$600,000	$600,000	-	-
North IRL	$4,850,000	3 Projects	4 Projects	5 Projects	5 Projects	5 Projects	5 Projects	5 Projects	5 Projects	-	-
		$525,000	$675,000	$750,000	$625,000	$625,000	$625,000	$525,000	$500,000	-	-
Central IRL	$1,325,000	1 Project	1 Project	1 Project	1 Project	1 Project	1 Project	-	-	-	-
		$275,000	$225,000	$225,000	$200,000	$200,000	$200,000	-	-	-	-
Muck Removal	-	-	-	-	-	-	-	-	-	-	-
Mosquito Lagoon	$16,100,000	-	-	-	-	-	-	-	-	Near Haulover Canal	-
		-	-	-	-	-	-	-	-	$16,100,000	-
Banana River Lagoon	$71,750,000	Mathers Bridge Area	8% of Canals	Newfound Harbor Area	8% of Canals	Cape Canaveral Area	8% of Canals	Pineda Causeway Area	8% of Canals	Cocoa Beach Area	8% of Canals
		$5,250,000	$5,250,000	$3,500,000	$5,250,000	$26,250,000	$5,250,000	$3,500,000	$5,250,000	$7,000,000	$5,250,000
North IRL	$89,250,000	1/3 Eau Gallie Area	2/3 Eau Gallie Area	-	Titusville Area	-	1/2 Rockledge Area	1/2 Rockledge Area	Cocoa Area	-	-
		$8,750,000	$17,500,000	-	$14,000,000	-	$14,000,000	$14,000,000	$21,000,000	-	-
Central IRL	$21,000,000	-	-	Mullet Creek Area	-	-	-	Goat Creek Area	-	Melbourne Causeway	Trout Creek Area
		-	-	$7,000,000	-	-	-	$3,500,000	-	$7,000,000	$3,500,000
Oyster Restoration/Living Shorelines	-	-	-	-	-	-	-	-	-	-	-
Banana River Lagoon	$4,230,000	0.846 Miles	0.846 Miles	0.846 Miles	0.846 Miles	0.846 Miles	0.846 Miles	0.846 Miles	0.846 Miles	0.846 Miles	0.846 Miles
		$423,000	$423,000	$423,000	$423,000	$423,000	$423,000	$423,000	$423,000	$423,000	$423,000
North IRL	$4,320,000	0.864 Miles	0.864 Miles	0.864 Miles	0.864 Miles	0.864 Miles	0.864 Miles	0.864 Miles	0.864 Miles	0.864 Miles	0.864 Miles
		$432,000	$432,000	$432,000	$432,000	$432,000	$432,000	$432,000	$432,000	$432,000	$432,000
Central IRL	$1,450,000	0.290 Miles	0.290 Miles	0.290 Miles	0.290 Miles	0.290 Miles	0.290 Miles	0.290 Miles	0.290 Miles	0.290 Miles	0.290 Miles
		$145,000	$145,000	$145,000	$145,000	$145,000	$145,000	$145,000	$145,000	$145,000	$145,000
Project Monitoring	$10,000,000	Year 1 Monitoring	Year 2 Monitoring	Year 3 Monitoring	Year 4 Monitoring	Year 5 Monitoring	Year 6 Monitoring	Year 7 Monitoring	Year 8 Monitoring	Year 9 Monitoring	Year 10 Monitoring
		$1,000,000	$1,000,000	$1,000,000	$1,000,000	$1,000,000	$1,000,000	$1,000,000	$1,000,000	$1,000,000	$1,000,000
Total	***$302,881,000***	***$22,373,000***	***$35,128,000***	***$31,268,000***	***$33,456,000***	***$37,296,000***	***$30,751,000***	***$31,241,000***	***$33,846,000***	***$34,436,000***	***$13,086,000***

Section 7. Funding Needs and Leveraging Opportunities

Brevard County is exploring a variety of possible mechanisms to fund the IRL projects in this plan, and one of these options may be placed on the ballot in November 2016. The options being considered include:

- Special Taxing District approved by referendum to allow an ad valorem tax levy and bonds
- Special Act by the legislature allowing ad valorem tax levy by referendum to issue bonds
- Local government surtax (½ cent sales tax)
- Altering legislation to allow for Tourist Development Council funding to be used for lagoon restoration
- Municipal Service Taxing Unit/Special District
- Increased stormwater utility assessment

A Save Our Lagoon referendum of 1 mill or ½ cent sales tax would generate approximately $32 million per year. If one of these options is not selected, an increase in ½ mill would generate $16 million per year. This is approximately half of the revenue needed for projects in each plan year. Therefore, to implement the projects in a timely manner according to the schedule in **Table 46**, the County will seek to use funds generated from the referendum to leverage matching funding from grants and appropriations and/or pay debt service on bonds.

Examples of other funding programs (many from FDEP 2015) are:

- Section 319 grant program – FDEP administers funds received from USEPA to implement projects or programs that reduce nonpoint sources of pollution. Projects or programs must benefit Florida's impaired waters, and local sponsors must provide at least a 40% match or in-kind contribution. Eligible activities include demonstration and evaluation of urban and agricultural stormwater BMPs, stormwater retrofits, and public education.
- TMDL grants – Funding for projects related to the implementation of TMDLs may be available through periodic legislative appropriations to FDEP. When funds are available, the program prioritizes stormwater retrofit projects to benefit impaired waters, similar to the Section 319 grant program.
- Water management district funding - Florida's five regional water management districts offer financial assistance for a variety of water-related projects, for water supply development, water resource development, and surface water restoration. Assistance may be provided from ad valorem tax revenues or from periodic legislative appropriations for alternative water supply development and Surface Water Improvement and Management projects. The amount of funding available, matching requirements, and types of assistance may vary from year to year.
- IRL NEP – The IRL Council funds projects each year through their work plan process (http://www.irlcouncil.com/irl-council.html).
- Community Budget Issue Request – The Florida Legislature may solicit applications directly for projects, including water projects, in anticipation of upcoming legislative sessions. This process is an opportunity to secure legislative sponsorship of project funding through the state budget.
- Clean Water State Revolving Fund (SRF) loan program – This program provides low-interest loans to local governments to plan, design, and build or upgrade wastewater, stormwater, and nonpoint source pollution prevention projects. Discounted assistance for

small communities is available. Interest rates on loans are below market rates and vary based on the economic wherewithal of the community. The Clean Water SRF is Florida's largest financial assistance program for water infrastructure.

- Florida Rural Water Association Loan Program – This program provides low-interest bond or bank financing for community utility projects in coordination with FDEP's SRF program. Other financial assistance may also be available.
- Rural Development Rural Utilities Service Guaranteed and Direct Loans and Grants – The U.S. Department of Agriculture's program provides a combination of loans and grants for water, wastewater, and solid waste projects to rural communities and small incorporated municipalities.
- Small Cities Community Development Block Grant Program – The Florida Department of Economic Opportunity makes funds available annually for water and sewer projects that benefit low- and moderate-income persons.
- State Housing Initiatives Partnership Program – Florida Housing administers the program, which provides funds to local governments as an incentive to create partnerships that produce and preserve affordable homeownership and multifamily housing. The program is designed to provide very low, low and moderate income families with assistance. Funding may be used for emergency repairs, new construction, rehabilitation, down payment and closing cost assistance, impact fees, construction and gap financing, mortgage buy-downs, acquisition of property for affordable housing, matching dollars for federal housing grants and programs, and homeownership counseling (http://www.floridahousing.org/HousingPartners/LocalGovernments/).
- Rural Development Funding – The U. S. Department of Agriculture provides funds that will cover the repair and maintenance of private septic systems. The amount of funds available, as well as the specific purposes for which grants are intended, changes from year to year. Additional details are posted on the Department of Agriculture's website (http://www.rurdev.usda.gov/Home.html).

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Appendix A: Maps of the Septic System Removal Areas

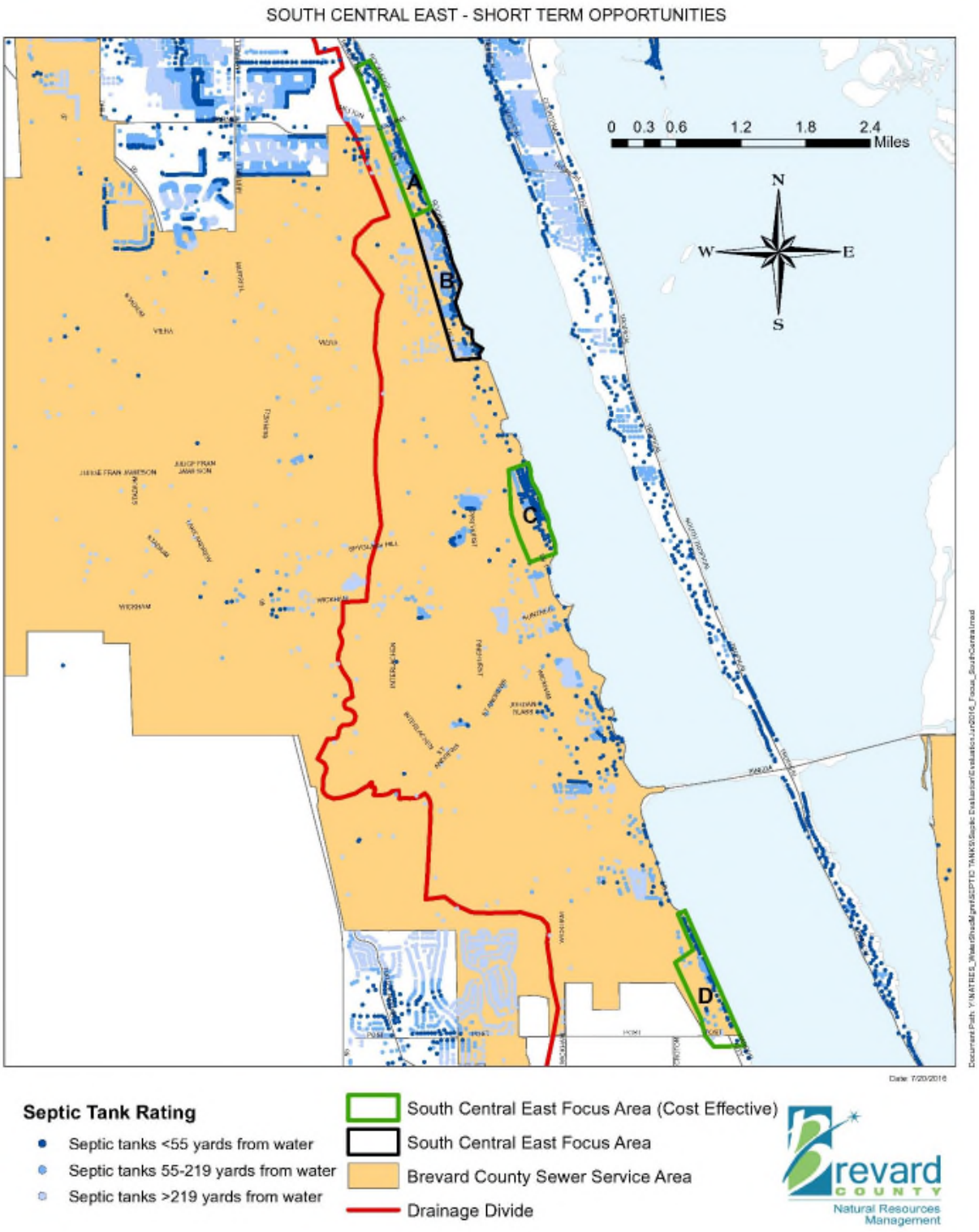
The septic systems within the unincorporated County were evaluated for connection to the central sewer system based on distance to a surface waterbody (ditch, canal, creek, or the IRL). Areas with a large number (approximately 50% or more) of septic systems within 55 yards of a surface water have the greatest impact on water quality and systems more than 219 yards from a surface water contribute very little TN loading. In **Figure A-1** through **Figure A-3**, the septic systems located within 55 yards of a surface waterbody are shown in the darkest blue and those systems that are further than 219 yards from a surface waterbody are shown in the lightest blue. On each map, the focus areas that were evaluated for potential septic system removal are outlined in black. Those focus areas that were determined to be the most cost-effective for connection and are included as part of this plan are outlined in green.

The septic systems within the cities were also evaluated for potential connection to the sewer system. This evaluation was conducted by identifying those areas that had at least 50% of the septic systems within 55 yards of a surface waterbody. The scoring of these systems, as described in **Section 4.1.3**, were also considered. The septic systems with the highest (worst) score are shown in blue in **Figure A-4** through **Figure A-9** The areas proposed for septic system removal as part of this plan within the cities are outlined in green.



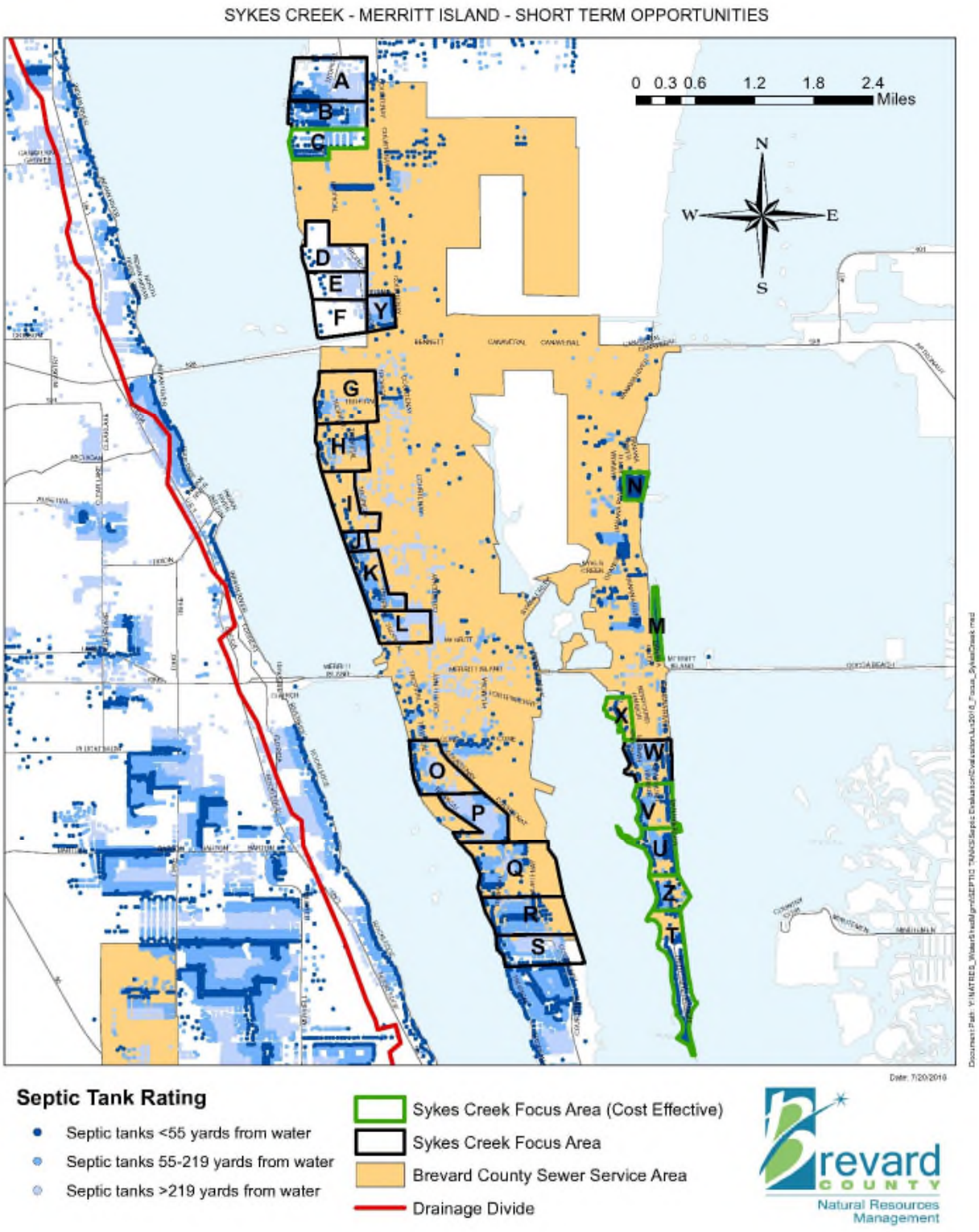
Notes: The focus areas outlined in green are the most cost-effective and are recommended as part of this plan. The septic system locations are from the FDOH permit database. This database includes all septic systems permitted since 1980 or that have received repair permits since that time.

Figure A-1: Map of South Beaches Priority Septic System Areas



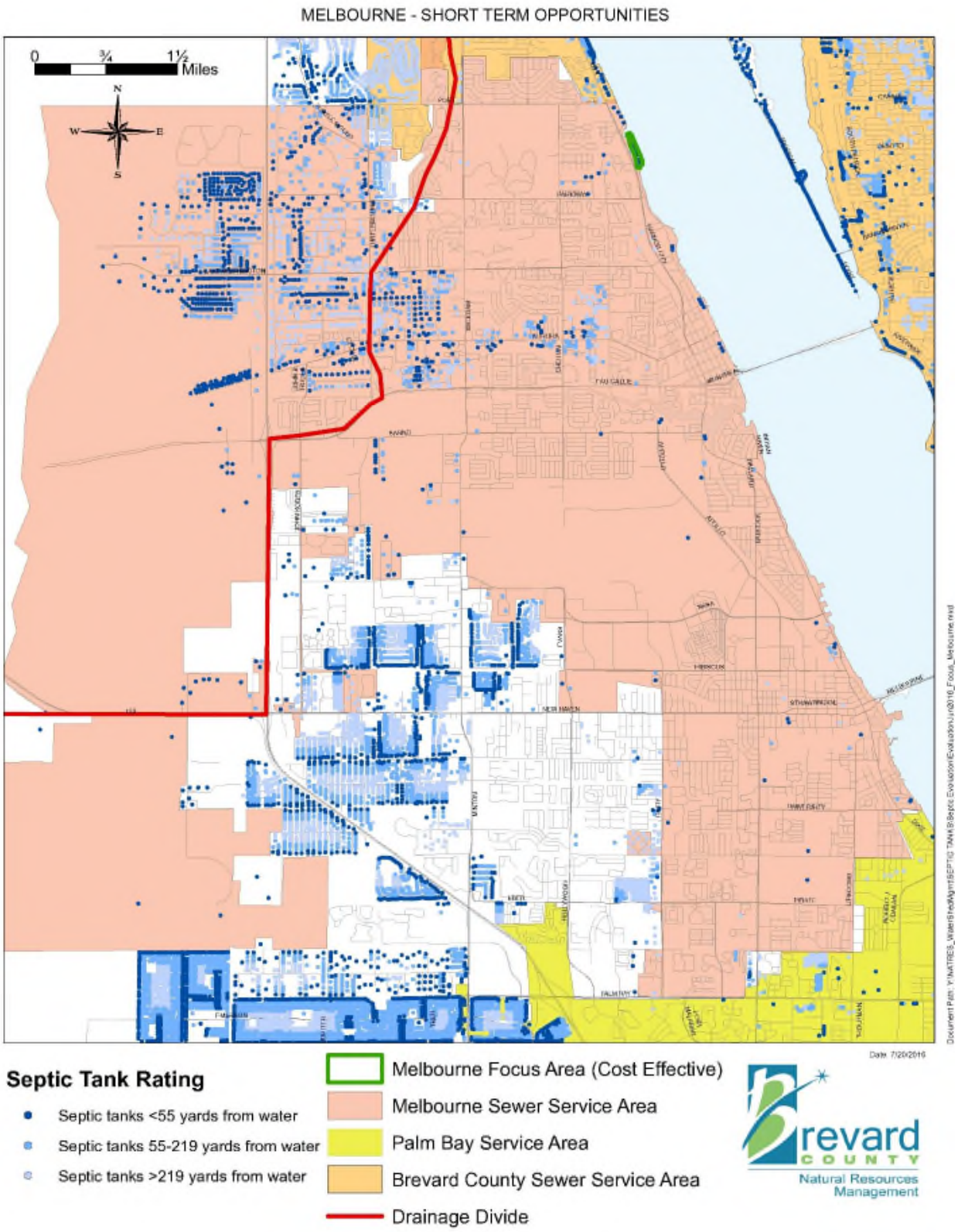
Notes: The focus areas outlined in green are the most cost-effective and are recommended as part of this plan. The septic system locations are from the FDOH permit database. This database includes all septic systems permitted since 1980 or that have received repair permits since that time.

Figure A-2: Map of South Central Priority Septic System Areas



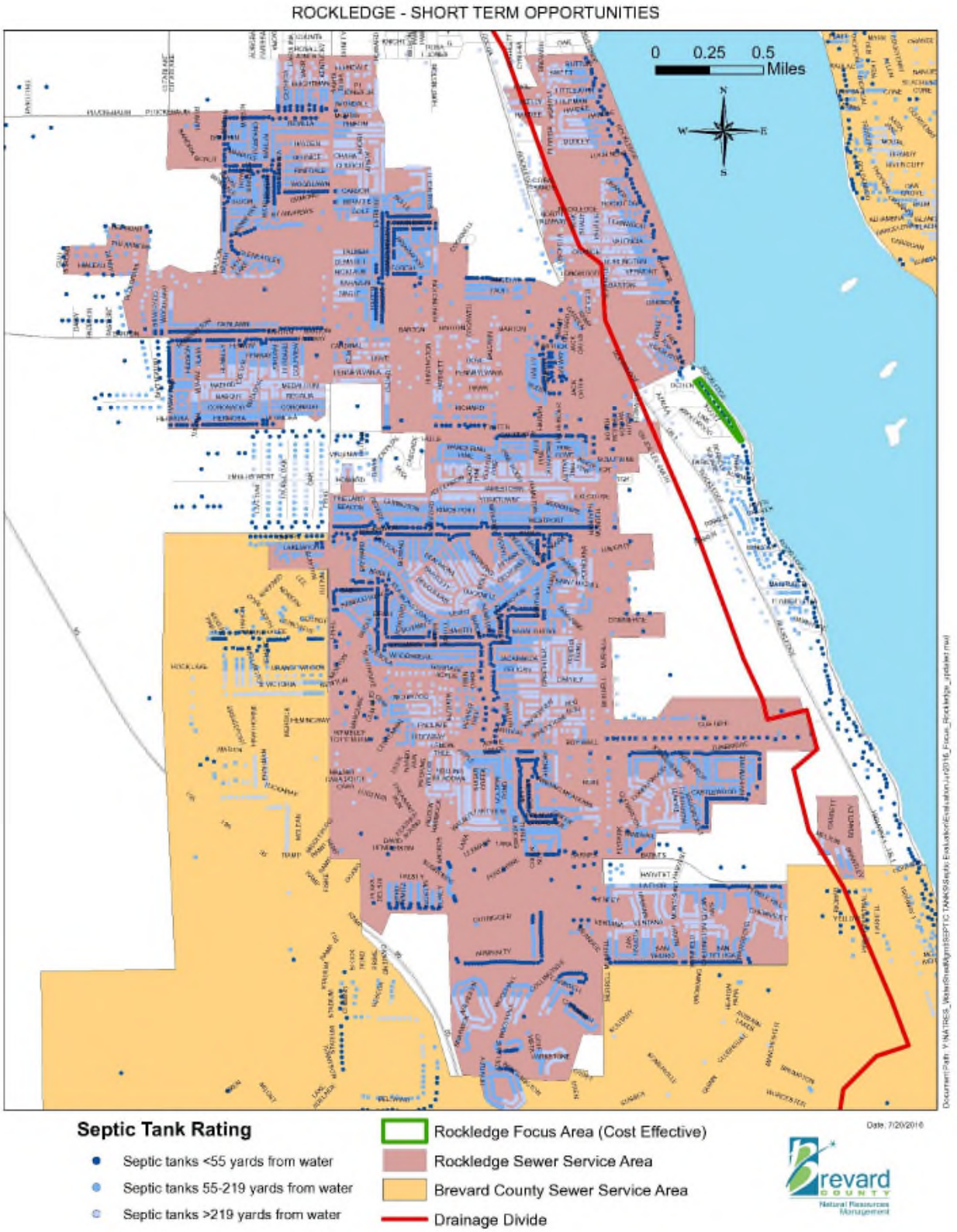
Notes: The focus areas outlined in green are the most cost-effective and are recommended as part of this plan. The septic system locations are from the FDOH permit database. This database includes all septic systems permitted since 1980 or that have received repair permits since that time.

Figure A-3: Map of Sykes Creek Priority Septic System Areas



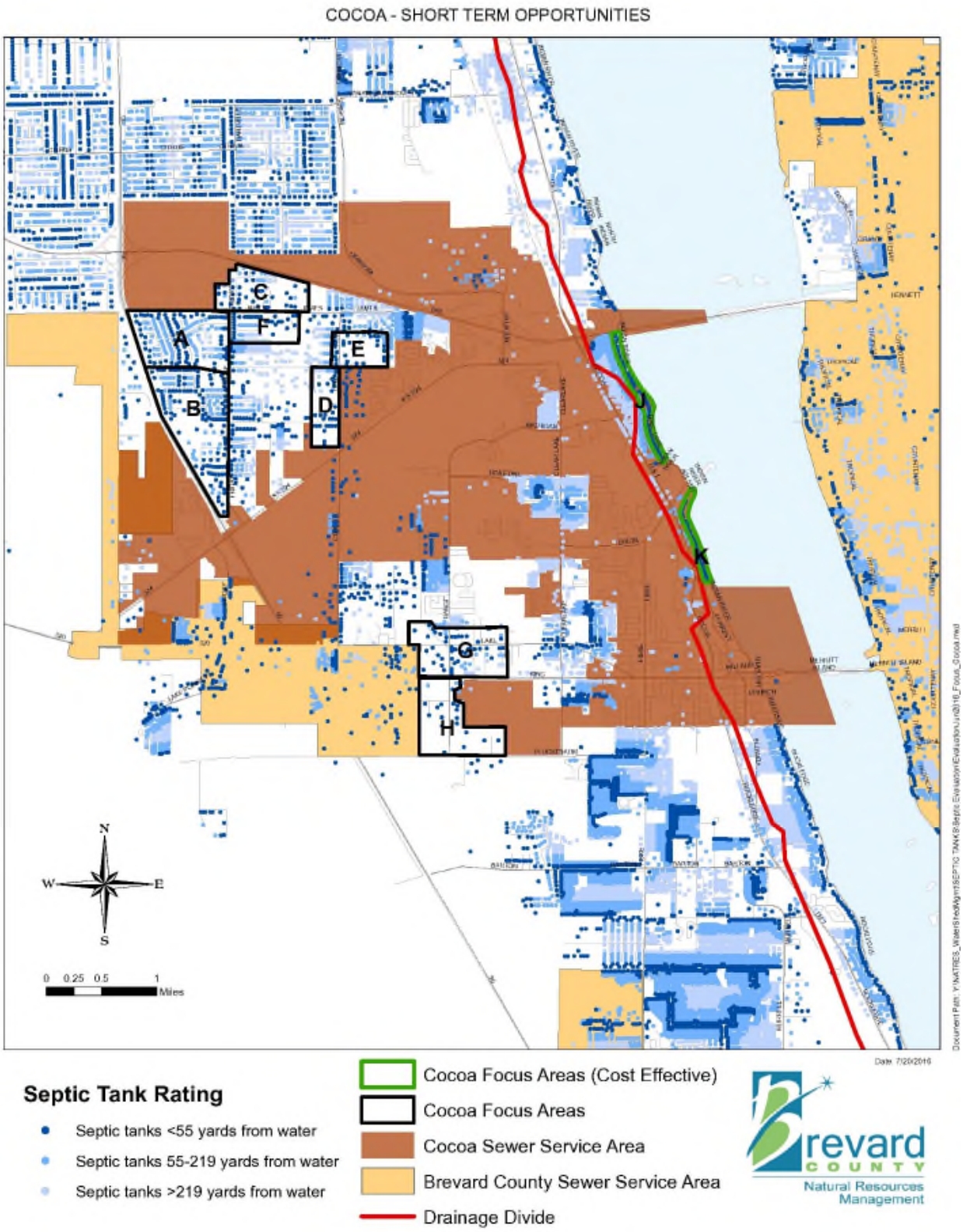
Note: The septic system locations are from the FDOH permit database. This database includes all septic systems permitted since 1980 or that have received repair permits since that time.

Figure A-4: Map of City of Melbourne Priority Septic System Areas



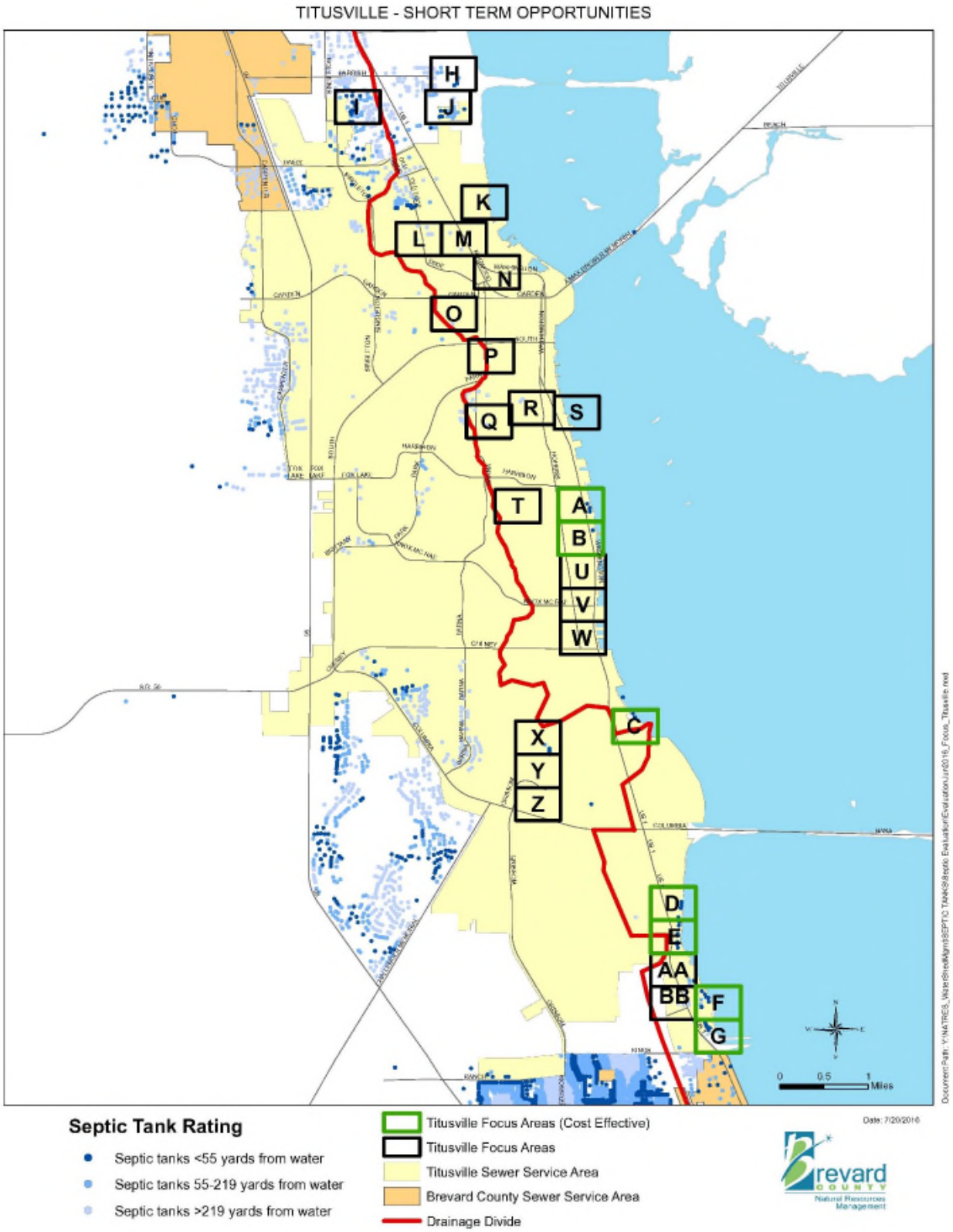
Note: The septic system locations are from the FDOH permit database. This database includes all septic systems permitted since 1980 or that have received repair permits since that time.

Figure A-5: Map of City of Rockledge Priority Septic System Areas



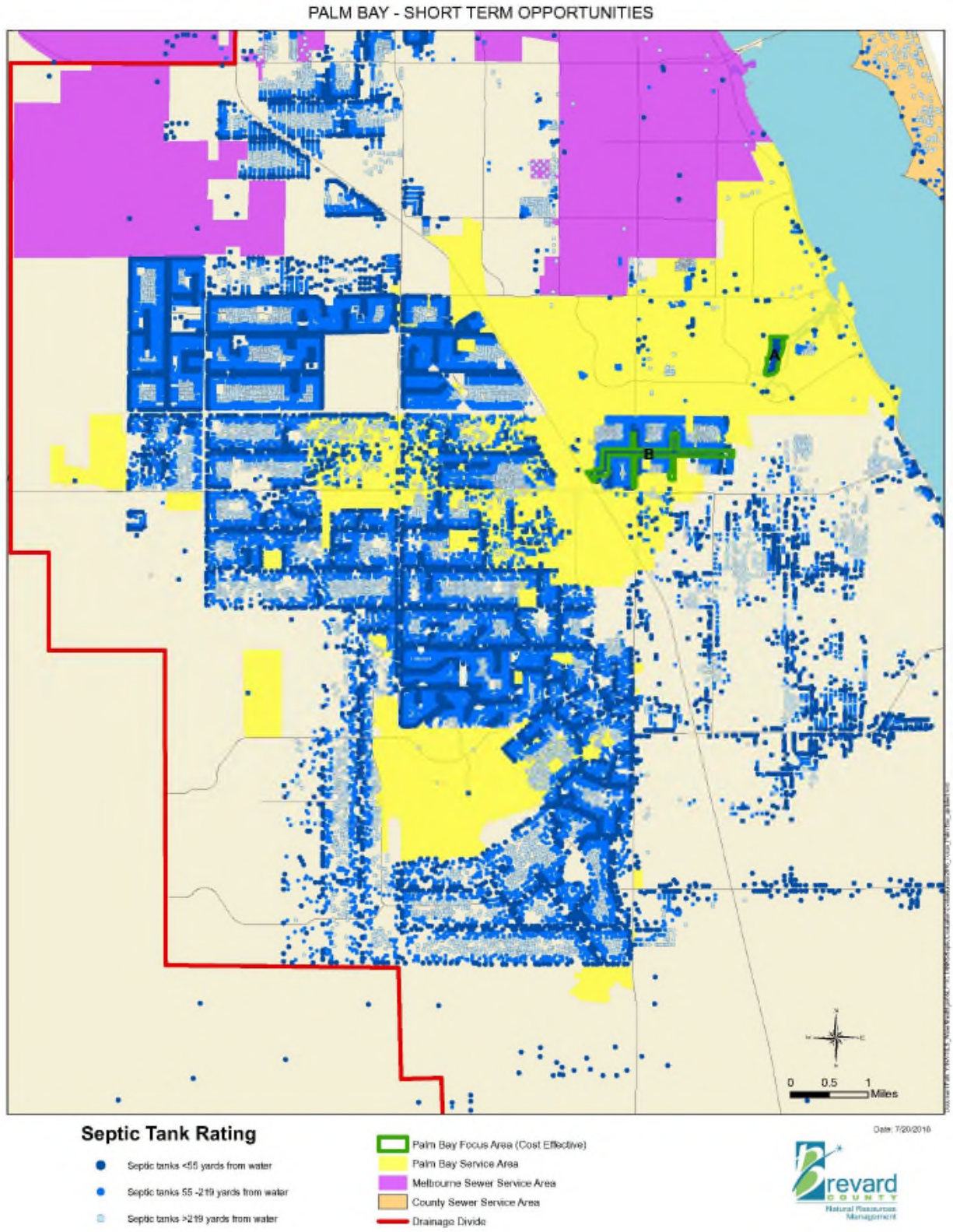
Note: The septic system locations are from the FDOH permit database. This database includes all septic systems permitted since 1980 or that have received repair permits since that time.

Figure A-6: Map of City of Cocoa Priority Septic System Areas



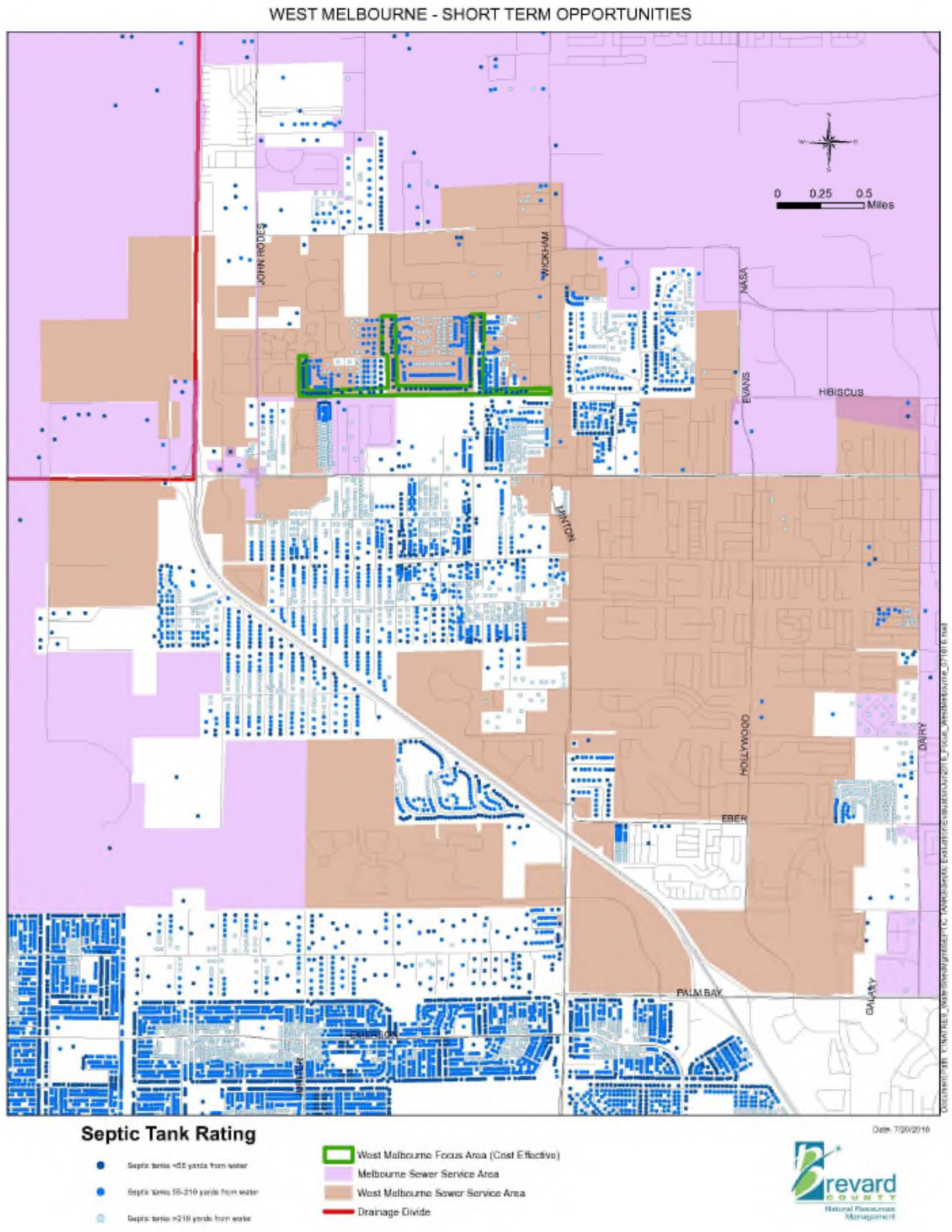
Note: The septic system locations are from the FDOH permit database. This database includes all septic systems permitted since 1980 or that have received repair permits since that time.

Figure A-7: Map of City of Titusville Priority Septic System Areas



Note: The septic system locations are from the FDOH permit database. This database includes all septic systems permitted since 1980 or that have received repair permits since that time.

Figure A-8: Map of City of Palm Bay Priority Septic System Areas



Note: The septic system locations are from the FDOH permit database. This database includes all septic systems permitted since 1980 or that have received repair permits since that time.

Figure A-9: Map of City of West Melbourne Priority Septic System Areas

Appendix B: Summary of Stormwater Projects

Table B-1: Summary of TN Reductions from Stormwater Projects in Banana River Lagoon

Basin	Five-Month TN Load (lbs/yr)	TN % Efficiency	Five-Month TN Reductions (lbs/yr)	Annual TN Load (lbs/yr)	TN % Efficiency	Annual TN Reductions (lbs/yr)
979	1,549	55%	852	7,277	45%	3,275
1280	1,102	55%	606	3,855	45%	1,735
973	1,070	55%	588	4,552	45%	2,048
963	1,030	55%	566	4,649	45%	2,092
905	925	55%	509	2,540	45%	1,143
901	844	55%	464	3,685	45%	1,658
522	721	55%	397	1,766	45%	795
1317	717	55%	395	3,730	45%	1,679
650	707	55%	389	2,766	45%	1,245
1366	680	55%	374	3,295	45%	1,483
1343	625	55%	344	3,084	45%	1,388
492	613	55%	337	2,266	45%	1,020
476	596	55%	328	2,005	45%	902
1329	579	55%	319	2,916	45%	1,312
1350	577	55%	317	2,330	45%	1,049
815	559	55%	307	1,551	45%	698
992	554	55%	305	2,764	45%	1,244
388	544	55%	299	3,089	45%	1,390
1304	542	55%	298	2,562	45%	1,153
989	533	55%	293	2,290	45%	1,030
539	532	55%	293	2,474	45%	1,113
1071	522	55%	287	2,403	45%	1,082
350	518	55%	285	1,972	45%	888
1337	516	55%	284	2,492	45%	1,121
1063	513	55%	282	2,744	45%	1,235
1265	505	55%	278	1,652	45%	743
1222	502	55%	276	1,974	45%	888
1066	491	55%	270	2,575	45%	1,159
1172	491	55%	270	1,893	45%	852
820	490	55%	269	1,327	45%	597
970	488	55%	269	2,427	45%	1,092
995	477	55%	262	2,328	45%	1,048
998	472	55%	260	2,658	45%	1,196
451	471	55%	259	2,595	45%	1,168
943	469	55%	258	1,574	45%	708
821	463	55%	254	1,394	45%	627
705	460	55%	253	1,445	45%	650
1309	457	55%	251	2,257	45%	1,016
497	438	55%	579	2,374	45%	1,068
754	438	55%	578	1,631	45%	734
602	435	55%	574	2,374	45%	1,068

Table B-2: Summary of TP Reductions from Stormwater Projects in Banana River Lagoon

Basin	Five-Month TP Load (lbs/yr)	TP % Efficiency	Five-Month TP Reductions (lbs/yr)	Annual TP Load (lbs/yr)	TP % Efficiency	Annual TP Reductions (lbs/yr)
979	213	65%	139	997	45%	448
1280	152	65%	99	525	45%	236
973	147	65%	96	691	45%	311
963	142	65%	92	880	45%	396
905	127	65%	83	395	45%	178
901	116	65%	76	435	45%	196
522	99	65%	65	245	45%	110
1317	99	65%	64	644	45%	290
650	97	65%	63	317	45%	143
1366	94	65%	61	537	45%	242
1384	85	65%	55	315	45%	142
492	84	65%	55	260	45%	117
476	82	65%	53	240	45%	108
1329	80	65%	52	469	45%	211
1350	79	65%	52	368	45%	165
815	77	65%	50	250	45%	113
992	76	65%	50	433	45%	195
388	75	65%	49	307	45%	138
1304	75	65%	49	385	45%	173
989	73	65%	48	244	45%	110
539	73	65%	48	258	45%	116
1071	72	65%	47	319	45%	144
350	71	65%	46	238	45%	107
1337	71	65%	46	413	45%	186
1063	71	65%	46	426	45%	192
1265	70	65%	45	219	45%	98
1222	69	65%	45	380	45%	171
1066	68	65%	44	413	45%	186
1172	68	65%	44	274	45%	123
820	67	65%	44	249	45%	112
970	67	65%	44	410	45%	185
995	66	65%	43	376	45%	169
998	65	65%	42	420	45%	189
451	65	65%	42	270	45%	121
943	65	65%	42	200	45%	90
821	64	65%	41	274	45%	123
705	63	65%	41	210	45%	95
1309	63	65%	41	338	45%	152
497	60	65%	39	249	45%	112
754	60	65%	39	211	45%	95
602	60	65%	39	241	45%	109

Table B-3: Summary of TN Reductions from Stormwater Projects in North IRL

Basin	Five-Month TN Load (lbs/yr)	TN % Efficiency	Five-Month TN Reductions (lbs/yr)	Annual TN Load (lbs/yr)	TN % Efficiency	Annual TN Reductions (lbs/yr)
1273	1,150	55%	633	4,364	45%	1,964
1298	1,136	55%	625	3,810	45%	1,715
1430	1,135	55%	624	5,011	45%	2,255
1349	1,094	55%	602	4,601	45%	2,070
1439	1,044	55%	574	3,141	45%	1,413
1445	1,042	55%	573	3,319	45%	1,493
626	985	55%	542	3,560	45%	1,602
454	919	55%	505	4,435	45%	1,996
1416	915	55%	503	3,997	45%	1,799
1324	911	55%	501	3,160	45%	1,422
1077	895	55%	492	3,748	45%	1,687
1256	870	55%	478	3,520	45%	1,584
1335	789	55%	434	3,784	45%	1,703
1419	780	55%	429	4,155	45%	1,870
1409	764	55%	420	3,000	45%	1,350
1377	717	55%	395	3,375	45%	1,519
327	713	55%	392	4,443	45%	1,999
1342	696	55%	383	2,608	45%	1,174
219	662	55%	364	2,125	45%	956
47	660	55%	363	2,996	45%	1,348
1434	656	55%	361	2,071	45%	932
1151	655	55%	360	2,348	45%	1,057
1078	655	55%	360	2,778	45%	1,250
1399	651	55%	358	3,488	45%	1,570
1301	651	55%	358	2,277	45%	1,025
1368	646	55%	355	2,912	45%	1,311
408	641	55%	352	2,620	45%	1,179
338	633	55%	348	4,226	45%	1,902
1367	618	55%	340	2,316	45%	1,042
1384	618	55%	340	2,051	45%	923
1318	609	55%	335	2,497	45%	1,124
155	594	55%	327	2,553	45%	1,149
289	590	55%	324	2,471	45%	1,112
193	583	55%	321	2,925	45%	1,316
1441	577	55%	762	2,298	45%	1,034
660	576	55%	761	1,876	45%	844
952	575	55%	759	2,780	45%	1,251

Table B-4: Summary of TP Reductions from Stormwater Projects in North IRL

Basin	Five-Month TP Load (lbs/yr)	TP % Efficiency	Five-Month TP Reductions (lbs/yr)	Annual TP Load (lbs/yr)	TP % Efficiency	Annual TP Reductions (lbs/yr)
1273	158	65%	103	640	45%	288
1298	156	65%	102	511	45%	230
1430	156	65%	102	745	45%	335
1349	151	65%	98	721	45%	324
1439	144	65%	93	407	45%	183
1445	144	65%	93	441	45%	198
626	136	65%	88	430	45%	193
454	126	65%	82	671	45%	302
1416	126	65%	82	508	45%	229
1324	125	65%	82	391	45%	176
1077	123	65%	80	641	45%	289
1256	120	65%	78	533	45%	240
1335	109	65%	71	578	45%	260
1419	107	65%	70	594	45%	267
1409	105	65%	68	455	45%	205
1377	99	65%	64	546	45%	246
327	98	65%	64	629	45%	283
1342	96	65%	62	386	45%	174
219	91	65%	59	251	45%	113
47	91	65%	59	309	45%	139
1434	90	65%	59	248	45%	112
1151	90	65%	59	314	45%	141
1078	90	65%	59	416	45%	187
1399	90	65%	58	569	45%	256
1301	90	65%	58	342	45%	154
1368	89	65%	58	445	45%	200
408	88	65%	57	378	45%	170
338	87	65%	57	418	45%	188
1367	85	65%	55	324	45%	146
1384	85	65%	55	315	45%	142
1318	84	65%	54	328	45%	148
155	82	65%	53	271	45%	122
289	81	65%	53	495	45%	223
193	80	65%	52	440	45%	198
1441	79	65%	52	331	45%	149
660	79	65%	52	470	45%	212
952	79	65%	51	471	45%	212

Table B-5: Summary of TN Reductions from Stormwater Projects in Central IRL

Basin	Five-Month TN Load (lbs/yr)	TN % Efficiency	Five-Month TN Reductions (lbs/yr)	Annual TN Load (lbs/yr)	TN % Efficiency	Annual TN Reductions (lbs/yr)
1562	1,975.9	55.0%	1,086.8	7,365.0	45.0%	3,314.2
1762	1,652.4	55.0%	908.8	7,061.1	45.0%	3,177.5
2159	1,461.5	55.0%	803.8	7,013.8	45.0%	3,156.2
2075	1,422.1	55.0%	782.2	4,993.7	45.0%	2,247.2
1615	1,397.6	55.0%	768.7	6,256.6	45.0%	2,815.5
1582	1,392.9	55.0%	766.1	5,338.1	45.0%	2,402.1

Table B-6: Summary of TP Reductions from Stormwater Projects in Central IRL

Basin	Five-Month TP Load (lbs/yr)	TP % Efficiency	Five-Month TP Reductions (lbs/yr)	Annual TP Load (lbs/yr)	TP % Efficiency	Annual TP Reductions (lbs/yr)
1562	272.1	65.0%	176.9	997.8	45.0%	449.0
1762	227.5	65.0%	147.9	1,093.3	45.0%	492.0
2159	201.2	65.0%	130.8	801.8	45.0%	360.8
2075	195.8	65.0%	127.3	803.7	45.0%	361.7
1615	192.4	65.0%	125.1	866.6	45.0%	390.0
1582	191.8	65.0%	124.7	984.7	45.0%	443.1

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ORDINANCE 2016-_____

AN ORDINANCE OF THE BOARD OF COUNTY COMMISSIONERS OF BREVARD COUNTY, FLORIDA, CALLING A COUNTYWIDE SAVE OUR LAGOON ½ CENT SALES TAX REFERENDUM ELECTION ON NOVEMBER 8, 2016 WITHIN THE TERRITORIAL LIMITS OF BREVARD COUNTY ON THE QUESTION AS TO WHETHER THE BOARD OF COUNTY COMMISSIONERS SHOULD LEVY A ½ CENT INFRASTRUCTURE SALES TAX FOR FINANCING THE COUNTY'S SHARE OF THE COST FOR THE SAVE OUR LAGOON PROJECT PLAN; PROVIDING FOR FINDINGS; CALLING A REFERENDUM; PROVIDING FOR NOTICE OF THE REFERENDUM; PROVIDING FOR BALLOT LANGUAGE; APPROVAL OF SAVE OUR LAGOON PROJECT PLAN; PROVIDING FOR LEVY OF THE ½ CENT SALES TAX FOR RESTORATION OF THE INDIAN RIVER LAGOON; CREATING A SAVE OUR INDIAN RIVER LAGOON PROJECT TRUST FUND; SAVE OUR LAGOON OVERSIGHT COMMITTEE; PROVIDING FOR SEVERABILITY; REPEALER; AND AN EFFECTIVE DATE.

BE IT ORDAINED BY THE BOARD OF COUNTY COMMISSIONERS OF BREVARD COUNTY, FLORIDA:

SECTION 1. AUTHORITY FOR ORDINANCE. This Ordinance is adopted pursuant to Sections 212.055(2), Florida Statutes; Chapter 125, Florida Statutes, Section 101.161, Florida Statutes and all other applicable provisions of law, including Florida election laws.

SECTION 2. FINDINGS The County Commission hereby finds and determines as follows:

A. That section 212.055, Florida Statutes grants the Board of County Commissioners the discretionary authority to pass an ordinance calling a referendum on the issue as to whether a ½ cent sales tax should be approved to finance, plan, and construct infrastructure, as that term is defined in subsection (d)1. of section 212.055, Florida Statutes, and for the acquisition of any interest in land for public recreation, conservation, or protection of natural resources;

B. That section 212.055(2)(d)1. defines "infrastructure" to mean "[a]ny fixed capital expenditure or fixed capital outlay associated with the construction, reconstruction, or improvement of public facilities that have a life expectancy of 5 or more years, any related land acquisition, land improvement, design, and engineering costs, and all other professional and related costs required to bring the public facilities into service. For purposes of this sub-subparagraph, the term "public facilities" means facilities as defined in s. 163.3164(38), s.163.3221(13), or s. 189.012(5), regardless of whether the facilities are owned by the local taxing authority or another governmental entity.

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C. Sections 163.3164(38), 163.3221(13), and 189.012(5), Florida Statutes all define the term "public facilities" to include parks and recreational facilities.

D. Chapter 163.3177 requires every county to include a recreation and open space element in their comprehensive plan. The relevant section of that statute reads as follows: Fla. Stat. § 163.3177: (6)(e) A recreation and open space element indicating a comprehensive system of public and private sites for recreation, including, but not limited to, natural reservations, parks and playgrounds, parkways, beaches and public access to beaches, open spaces, waterways, and other recreational facilities.

E. In the Brevard County comprehensive plan, the term "open space" and "recreation" are defined as follows:

1. **Open Space** - lands and ***water*** not covered by structures including agriculture, which are *suitable for passive recreation* or *conservation* use.

2. **Recreation** - the pursuit of leisure time activities occurring in an indoor or *outdoor* setting.

F. In turn, the term "passive recreation" is defined as: "

1. **Passive Recreation** - recreation uses where very minimum alteration of vegetation, topography or other native feature is necessary, for the enjoyment of the site amenities. Activities which are considered passive include, but are not limited to, hiking, bicycling, nature observation, camping, non-motorized boating, rowing, swimming, picnicking, archaeological or historic preservation.

G. As defined in the Comprehensive Plan Glossary, the term "passive recreation" includes activities such as sailing, rowing, swimming, nature observation and, though not listed, would also include sailboarding and non-motorized recreational fishing—all of which are activities commonly undertaken on the Indian River Lagoon, and all of which depend upon a swimmable and fishable quality of water [1] allowing the lagoon to function as a natural "passive recreation" "open space", "public recreational facility" and a "public site for recreation."

H. The recognition of the Lagoon's availability and contemplated use for passive recreation is found in the Coastal Management element of the comprehensive plan in Policy 11.9 which reads:

1. "Brevard County shall investigate the feasibility of acquiring narrow strips

[1] http://www.dep.state.fl.us/water/wqssp/classes.htm

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of land along the Indian River Lagoon, where such areas could provide visual access or provide parking for passive recreation within the Lagoon."

I. As an open water body, the Indian River Lagoon also falls within the scope of numerous goals, policies and objectives found in the recreation and open space element of the plan relating to passive recreation.[2]

J. "The U.S. Environmental Protection Agency (EPA) designated the lagoon as "an estuary of national significance" in April 1990 and included the lagoon in the National Estuary Program. The Indian River Lagoon National Estuary Program is a partnership whose members work to improve the water quality and ecological integrity of the 156-mile-long estuary on Florida's east coast. The St. Johns River and South Florida water management districts, the five counties that border the lagoon — Brevard, Indian River, Martin, St. Lucie and Volusia — and representatives of state, federal and regional governments and agencies make up the Indian River Lagoon Advisory Board, charged with guiding and overseeing the lagoon's protection and

[2] Recreation And Open Space Element

GOAL 1
PROVIDE A PARK AND OPEN SPACE SYSTEM WHICH OFFERS OPPORTUNITIES FOR A VARIETY OF PASSIVE AND ACTIVE RECREATION, PROMOTES VISUAL APPEAL AND PROVIDES RELIEF FROM EXPANSES OF DEVELOPMENT.

Parks and Open Space System
Objective 1
Provide a system of parks and open space to meet the recreational needs of the public.

Policy 1.6
Develop and enhance existing parks and open space sites to provide additional recreational facilities based on the recreational needs of the public and as funding become available.

GOAL 2
PROVIDE A COMPREHENSIVE PROGRAM OF ACTIVE AND PASSIVE RECREATION THAT MEETS THE NEEDS OF THE PUBLIC.

Objective 1
To ensure that Brevard's waterways are a publicly-accessible local system of waterways linked to a larger regional system that contributes to the greatest possible recreational and commercial access to the navigable waters of the State of Florida in a manner that does not jeopardize their environmental values.

Policy 1.1
By 2011, the County shall identify, inventory and characterize its system of waterways in terms of use, capacity and relationship to recreational and commercial working waterfronts.

Public and Private Partnerships
Objective 4
Coordinate public and private resources to meet recreational demands.

restoration." http://www.cakex.org/directory/organizations/indian-river-lagoon-national-estuary-program

K. With regard to the function and restoration of water quality in the Indian River Lagoon, the Florida Legislature has made the following findings:

1. The Indian River Lagoon system has been targeted by the state as a priority water body for restoration and preservation since the 1987 Surface Water Improvement and Management Act;
2. Coastal lagoon activities relating to saltwater fishing account for a multibillion dollar economic base;
3. The St. Johns River and South Florida Water Management Districts have jointly developed a management plan that includes water quality improvement, habitat restoration, and public awareness and education; and
4. The Legislature supports the restoration efforts of the water management districts. [3]

L. Based upon the above statutory and county comprehensive plan provisions, EPA designation, and findings by the Florida Legislature, the Board of County Commissioners concludes that the Indian River Lagoon is a "public facility" as that term is defined in section 212.055(2), Florida Statutes.

M. Because the Indian River Lagoon meets the definition of a "public facility," section 212.055(2), Florida Statutes, authorizes the use of the ½ cent discretionary local government infrastructure sales tax for capital improvement projects, which include capital maintenance such as muck removal, and projects with a life span of 5 years or longer such as projects to reduce primary sources of pollution (including excess fertilizer, septic systems, nutrient rich reclaimed water, and stormwater); to remove historical pollution that is now accumulated in muck deposits that smother seagrass, cloud the water column, release nutrients and deplete oxygen; and to restore natural stabilization and filtration systems (including oyster bars and living shorelines).

N. The population of Brevard County exceeds 75,000 people and for the tax year 2016, the taxable value of real property is less than 60 percent of the just value of real property for ad valorem tax purposes, as determined by the Brevard County Property Appraiser's Office.

O. Based on the data provided by the Brevard County Property Appraiser's Office, section 212.055(2)(g), Florida Statutes applies within Brevard County, which statute provides as follows:

> (g) Notwithstanding paragraph (d), a county having a population greater than 75,000 in which the taxable value of real property is less than 60 percent of the just value of real property for ad valorem tax purposes for the tax year in which an infrastructure surtax

3 Fla. Stat. §320.08058(a)

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referendum is placed before the voters, and the municipalities within such a county, *may use the proceeds and interest of the surtax for operation and maintenance of parks and recreation programs* and facilities established with the proceeds of the surtax throughout the duration of the surtax levy or while interest earnings accruing from the proceeds of the surtax are available for such use, whichever period is longer.

P. In 1996 the Florida Advisory Council on Intergovernmental Relations, assisted by the State of Florida Department of Revenue, interpreted the uses for "operation and maintenance of parks and recreation programs *and* facilities established with the proceeds of the surtax" to authorize use of the infrastructure surtax for the "operation and maintenance of parks and recreation programs, as well as facilities originally established with surtax proceeds"[4].

Q. The Board of County Commissioners finds that the Save Our Lagoon Project Plan presented with this Ordinance, along with the Indian River Lagoon Comprehensive Conservation and Management Plan[5] referenced in the Surface Water Management Element of the Brevard County Comprehensive Plan, constitute a recreation program within the meaning of section 212.055(2)(g), Florida Statutes based upon the goals, objectives and policies in each respective plan, as set forth in the following subparagraph R:

R. **Brevard County Comprehensive Plan: Surface Water Management Element: Policy 1.3**: The Natural Resources Management Office shall be the lead agency for the development and implementation of the Master Stormwater Management Plan and shall coordinate its efforts with the St. John's River Water Management District on the **Indian River Lagoon Comprehensive Conservation and Management** Plan (CCMP), Total Maximum Daily Loads (TMDL's) and the National Pollution Discharge Elimination System (NPDES) permit schedule and requirements.

Indian River Lagoon Comprehensive Conservation and Management Plan:
As part of the effort to coordinate and compliment the IRL SWIM and IRL CCMP plans, the IRL NEP adopted the three IRL SWIM goals:
Goal 1: To attain and maintain water and sediment of sufficient quality to support a healthy estuarine lagoon ecosystem;
Goal 2: To attain and maintain a functioning, healthy ecosystem which supports endangered and threatened species, fisheries, commerce and **recreation**;
Goal 3: To achieve heightened public awareness and coordinated interagency management of the Indian River Lagoon ecosystem.

[4] Local Government Financial Information Handbook, July 1996, *Florida Advisory Council on Intergovernmental Relations, with the assistance of the Department of Revenue and its Division of Economic and Demographic Research, Joint Legislative Management Committee, Florida Legislature;* p. 185; http://edr.state.fl.us/Content/local-government/reports/lgfih96.pdf

[5] https://www.epa.gov/sites/production/files/2015-09/documents/ccmp_update_2008_final.pdf

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The IRL NEP added one additional goal to the CCMP relating to the identification of long term funding resources for implementation of the CCMP's recommendations:
Goal 4: To identify and develop long-term funding sources for prioritized projects and programs to preserve, protect, restore and enhance the Indian River Lagoon system.

Objective: Develop and implement a coordinated scientific conservation and management strategy to preserve, protect and restore biodiversity in the Indian River Lagoon.

Point Source Discharges Action Plan

Objective: To ensure compliance with the Indian River Lagoon Act and to reduce or eliminate, where possible, industrial and domestic wastewater discharges to the Indian River Lagoon

PS-1 Ensure compliance with the **Indian River Lagoon Act, Chapter 90-262, also known as the Indian River Lagoon Act.**
PS-3 Reduce or eliminate industrial discharges to the Indian River Lagoon.

On-Site Sewage Treatment and Disposal Systems Action Plan

Objective: Determine the impacts on on-site sewage treatment and disposal systems (OSTDS) on the resources of the Indian River Lagoon and to develop and implement strategies to address these impacts.

OSDS-4: Promote the connection of areas served by OSTDS to central sewer service or, where connection to central sewer is not feasible, promote the development and use of alternative or advanced OSTDS technologies offering improved treatment in areas identified in the IRL SWIM studies as "problem" or "potential problem" for OSTDS. Identify and publicize potential funding sources that could be used to connect areas served by OSTDS to central sewer or support the development and use of alternative or advanced OSTDS technologies.

Fresh and Storm Water Discharges Action Plan

Objective: To develop and implement strategies to address the impacts of freshwater and stormwater discharges on the resources of the Indian River Lagoon.

FSD-4 Develop and implement best management practices (BMPs) for the management of stormwater, agricultural and fresh water discharges.

FSD-6 Reduce the impacts of muck on the Indian River Lagoon.

FSD-10 Encourage the proper use of fertilizers, herbicides, pesticides and reuse water.

FSD-11 Educate residents and property owners about the impacts of freshwater and

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stormwater discharges on the Indian River Lagoon and what they can do to reduce these impacts.

FSD-12 Continue reviews of plans of reclamation for water control districts and the standard operating procedures and project works of each large drainage system and agricultural drainage system. Develop and implement strategies to reduce discharges and pollutant loadings to the Indian River Lagoon from these sources.

FSD-13 Upgrade existing urban and agricultural stormwater systems to reduce pollutant loadings to the Indian River Lagoon.

FSD-14 Develop and implement appropriate mechanisms to fund and undertake the operation, maintenance and improvement of urban and agricultural stormwater management systems to reduce pollutant loadings

Seagrass Protection, Restoration And Management Action Plan

Objective: To protect and restore seagrass integrity and functionality in the Indian River Lagoon by reducing anthropogenic impacts and attaining and maintaining water quality capable of supporting a healthy, productive and sustainable submerged aquatic vegetation community meeting the seagrass coverage and depth targets developed by the water management districts for the Indian River Lagoon.

SG-1 Implement a program of protection, restoration and management activities needed to maintain, protect and restore the seagrass/SAV community of the Indian River Lagoon.

Wetlands Action Plan

Objective: Preserve, protect, restore and enhance the wetland resources of the Indian River Lagoon region.

W-5 Continue the restoration and rehabilitation of impacted or impounded coastal wetlands.

Fisheries Action Plan

Objective: Conserve, protect, and restore the fin and shellfish resources of the Indian River Lagoon

F-1 Conserve, protect, restore and manage the finfish and shellfish resources in the Indian River Lagoon region.

Public Involvement and Education Action Plan

Objective: Facilitate implementation of the Indian River Lagoon (IRL) Comprehensive Conservation and Management Plan (CCMP) through public involvement and education.

PIE-1 Implement and expand public involvement and education projects or programs.

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PIE-4 Increase public and governmental involvement in activities designed to protect and restore the resources of the Indian River Lagoon.

PIE-5 Strategically prioritize and implement public education programs based on pollution potential, perceived likelihood for behavior change, resource availability, and opportunities that arise.

Brevard County Comprehensive Plan: Surface Water Management Element:

Policy 1.7 Brevard County should continue the public information program on the value of stormwater management. The County should continue to coordinate this program with Natural Resource Conservation Service (NRCS), the Indian River Lagoon National Estuary Program and other appropriate agencies.

Policy 4.11 Brevard County will continue to identify and map point and nonpoint sources of pollution within the Indian River Lagoon system and watershed to identify and reduce point and nonpoint sources of pollution. This program shall be coordinated with other federal, state and local agencies.

Conservation Element

Policy 3.3 Brevard County shall continue to make efforts to prevent negative impacts of development in and adjacent to the Indian River Lagoon and its tributaries designated as Class II waters, Aquatic Preserves and Outstanding Florida Waters by implementing and revising as necessary, the Surface Water Protection Ordinance…

Policy 3.4 Brevard County shall continue to prevent negative impacts of development in and adjacent to Class III waters (except Outstanding Florida Waters and Aquatic Preserves) along the St. Johns River and Indian River Lagoon and its tributaries by implementing and revising as necessary, the Surface Water Protection Ordinance…

Policy 3.8 When deemed necessary to meet State-mandated water quality standards, Brevard County may establish setbacks from the shoreline of the Indian River Lagoon for septic tanks and drainfields. Such setbacks shall at a minimum, be in accordance with F.S. 381.0065(4), as may be amended. In those cases where there is insufficient lot depth to meet County-established setbacks more stringent than those established by State statute, septic tanks and drainfields shall be located in accordance with F.S. 381.0065(4), as may be amended.

Policy 3.10 Brevard County shall continue to work with the St. Johns River Water Management District (SJRWMD), FDEP, and Indian River Lagoon Program (IRLP) and other appropriate agencies in developing appropriate water quality standards for estuarine waters within the Indian River Lagoon.

Policy 3.11 Brevard County shall continue to support programs for plugging free-flowing artesian wells, with highest priority being given to those adjacent to the Lagoon.

Policy 3.13 Brevard County strongly supports the designation of the Indian River Lagoon from SR 405 north to the County line as an Aquatic Preserve.

Policy 3.15 By 2013, the County shall establish appropriate protective measures along conveyance systems and tributaries of the St. Johns River and Indian River Lagoon to meet State

and Federal water quality standards.

S. In January through March 2016, Brevard County residents endured the most extensive and intensive algal bloom ever recorded in the Indian River system during winter/spring months. The collapse of this bloom in March resulted in one of the most extensive fish kills ever recorded in the county. The winter/spring 2016 bloom followed an algal super bloom that occurred in 2011, brown tides that followed in 2012, 2013 and 2015, and unusual mortality events for dolphins, manatees and pelicans.

T. On March 29, 2016 the Board of County Commissioners voted to send a letter to the Governor requesting assistance. The Governor sent the leadership of multiple state agencies to assess the fish kill and meet with County staff and members of the Legislative delegation to discuss solutions and resource needs. The County was advised to develop a project plan to include a comprehensive list of projects to restore lagoon health, estimate the funding needs for those projects and determine a timetable for implementation. With such a plan, the County would be in a better position to seek dedicated cost-share from the FL Legislature.

U. On April 7, 2016 the County Commission directed staff to develop a Save Our Lagoon Project Plan to restore health to the lagoon and explore dedicated funding mechanisms to fund the entire plan or provide the local match needed to leverage State appropriations and other grants.

V. The proposed Save Our Lagoon Project Plan includes a portfolio of projects to **Reduce** primary sources of pollution (including excess fertilizer, septic systems, nutrient rich reclaimed water, and stormwater); **Remove** historical pollution that is now accumulated in muck deposits that smother seagrass, cloud the water column, release nutrients and deplete oxygen; **Restore** natural stabilization and filtration systems (including oyster bars and living shorelines); and a process to monitor project implementation, efficiency, and cost-effectiveness with a volunteer citizen oversight committee to **Respond** to monitoring data, new technology, changing conditions, alternative project proposals and recommend plan revisions to the County Commission annually. The projected cost of the proposed plan is $302,881,000.

SECTION 3. REFERENDUM. A referendum election is hereby called and ordered to be held in Brevard County at the time of the next general election to be held on November 8, 2016 to determine whether the board of county commissioners should levy a ½ cent sales tax for financing the county's share of the cost for the Save Our Lagoon project plan.

SECTION 4. NOTICE OF REFERENDUM. This Ordinance shall be published twice in full as part of the Notice or the Referendum Election, together with a notice in substantially the form attached hereto as Exhibit "A" in *Florida Today*, a newspaper of general circulation in the County. The publications shall occur once in the fifth week and once in the third week prior to the week which includes November 8, 2016.

SECTION 5. NOTICE TO SUPERVISOR OF ELECTIONS. Upon adoption of this ordinance, notice of the calling of the referendum election provided for in this Ordinance shall be delivered to the Supervisor of Elections. This Ordinance shall not be implemented unless the Supervisor of Elections provides her consent to a date when the registration books can be available pursuant to Section 100.151, Florida Statutes.

SECTION 6. PLACES OF VOTING, INSPECTORS, CLERKS. The polls will be open at the voting places on the date of the referendum during the times prescribed by law. All qualified electors residing within the County shall be entitled and permitted to vote at the referendum on the proposition set forth below. The places of voting and the inspectors and clerk for the referendum shall be those designated by the Supervisor or Elections of Brevard County.

SECTION 7. OFFICIAL BALLOT. Ballots to be used in the referendum shall contain a statement of the description of the proposed issue on economic development ad valorem tax exemptions and shall be in substantially the following form:

BALLOT
Brevard County, Florida

Caption: Save Our Indian River Lagoon ½ Cent Sales Tax Referendum

To restore the Indian River Lagoon through financing, planning, constructing, maintaining, and operating capital improvements and capital maintenance projects and programs designed to improve water quality, fish, wildlife and marine habitat, remove muck and reduce pollution, shall an ordinance be approved levying a ½ cent sales tax for ten years and requiring deposit of all revenue to a Save Our Lagoon Trust Fund solely for such projects, with citizen committee oversight and annual independent audits?

___ FOR the ½ cent sales tax

___ AGAINST the ½ cent sales tax

SECTION 8. ABSENTEE VOTING. The form of ballots to be used in such referendum for absentee voters shall be the same as used at the polling places for said referendum or such other form as may be prescribed by law.

SECTION 9. PRINTING OF BALLOTS. The Supervisor or Elections for Brevard County is hereby authorized and requested to (a) have sample ballots printed and to deliver such sample ballots to the inspectors and clerks on or before the date and time for opening of the polls for such referendum and (b) have official ballots for use in such referendum printed and delivered in accordance with law.

SECTION 10. PAYMENT OF REFERENDUM EXPENSES. The County Manager is hereby authorized and directed to approve the payment of lawful expenses associated with conducting the referendum election and the Clerk of the Board of County Commissioners is hereby authorized and directed to disburse the funds necessary to pay such expenses.

SECTION 11. VOTER REGISTRATION BOOKS. The Supervisor of Elections for Brevard County is hereby authorized and requested to furnish the poll workers, inspectors and clerks required at each place where the votes are to be cast in such referendum, as well as applicable portions of the registration books or certified copies thereof showing the names of the qualified electors residing in the County.

SECTION 12. ELECTION PROCEDURE. The referendum shall be held and conducted in the manner prescribed by law and shall, as soon as practicable, be returned and canvassed in the manner prescribed by law. The result shall show the number of qualified electors who voted at such referendum and the number of votes cast respectively for and against approval of the proposition. Upon certification in the manner prescribed by law, the results shall be recorded in the minutes of the Board of County Commissioners.

SECTION 13. ELECTION RESULTS. If the majority of the votes cast at such a referendum shall vote for the proposition, the Ordinance shall take effect and be implemented and administered by the Board of County Commissioners through its County Manager and designees.

SECTION 14. APPROVAL OF SAVE OUR LAGOON PROJECT PLAN

The Save Our Lagoon Project Plan (SOLPP), as presented to the Board of County Commissioners on August 23, 2016, is hereby approved and adopted. The implementation of the SOLPP shall be undertaken by the Brevard County Board of County Commissioners through and under the supervision of the County Manager or his designee, with Oversight Committee input and coordination with the Indian River Lagoon Council and all state and federal agencies participating in the implementation of the SOLPP.

SECTION 15. LEVY OF ½ CENT SALES TAX FOR INDIAN RIVER LAGOON RESTORATION

As authorized under section 212l.055(2), Florida Statutes, upon the effective date of this ordinance there is hereby levied for a period of ten years a ½ cent infrastructure sales surtax to be collected, deposited and expended for Indian River Lagoon improvements, projects and programs, as specified in this ordinance.

SECTION 16. SAVE OUR INDIAN RIVER LAGOON PROJECT TRUST FUND.

If the county electorate approves the ½ cent infrastructure sales surtax provided for in this ordinance, the County Manager, or his designee in cooperation with the Board Finance division of the Office of the Clerk of the Circuit Court, shall create a Trust Fund reserved solely for the deposit of revenues derived from the approved tax. Thereafter, all revenues collected from the tax shall be deposited into the Trust Fund and shall be distributed in the manner provided for in

the interlocal agreement required under section 212.055(c)1., Florida Statutes. Trust Fund expenditures shall be restricted to :

1. reasonable and necessary capital improvement, capital maintenance and other projects and programs implementing a) the Save Our Lagoon Project Plan, as adopted hereunder or as amended from time to time; b) in the Indian River Lagoon Conservation and Management plan, as amended from time to time; and/or c) with the approval of the Board of County Commissioners, the costs of any lagoon restoration project or program identified and pursued in accordance with any future plan, as amended from time to time, enacted by the Indian River Lagoon Council created pursuant to the Indian River Lagoon National Estuary Program Interlocal Agreement dated February 19, 2015. Such reasonable and necessary expenses may include lagoon restoration project permitting costs and the costs experts used in obtaining or consulting on the acquisition of such permits;
2. Costs of issuing bonds, including financial advisor fees; bond counsel fees; and bond validation attorneys and expert witness fees, if any are utilized;
3. lagoon restoration project related costs, if any, contemplated by the interlocal agreement required by section 212.055(2), Florida Statutes;
4. any reasonable lagoon restoration related project or expense approved by the Board of County Commissioners, at its discretion, upon recommendation by the Save Our Lagoon Oversight Committee established hereunder;
5. Lagoon restoration project related operation and maintenance expenses;
6. Save Our Lagoon Project Plan education and community awareness initiatives or programs;
7. any membership dues payable to the Indian River Lagoon Council.

Such expenditures shall be made in accordance with established county contract, bidding and authorized administrative expense limitations, as set forth in Board policies and County Manager Administrative Orders.

Such expenditures may include use for grant matching funds for federal, state or private contributions pledged for paying expenses or costs related to lagoon restoration projects, or repayment of bonds, if any, issued for financing the cost of capital improvement or capital maintenance projects related to the restoration of the Indian River Lagoon.

SECTION 17. SAVE OUR LAGOON OVERSIGHT COMMITTEE

There is hereby created an Save Our Lagoon Oversight Committee which shall consist of seven members. The intent of this volunteer oversight committee of diversely skilled citizens would be to recommend updates of the Save Our Lagoon Project Plan to the Board of County Commissioners annually and to provide public oversight and a transparent process that not only allows, but fosters, development and implementation of better, less costly and/or more timely tools and techniques for restoration of the Indian River Lagoon.

A. STRUCTURE:

Membership shall consist of seven representatives and seven alternates. Committee members

shall represent a diversity of demonstrated expertise and experience to annually update and improve the Save Our Lagoon Project Plan. Each member and alternate shall represent at least one of the following fields of expertise: science, technology, economics/finance, real estate, education/outreach, tourism, and lagoon advocacy. A good working knowledge of lagoon water quality issues and sources of pollution is highly desirable. A Chair and Co-Chair shall be elected by a majority vote of the Oversight Committee members.

B. APPOINTMENT PROCESS:

The County Commissioners shall call for interested volunteers to submit their qualifications to the Natural Resources Management Department. ONRM Department staff will review the applications and provide a qualified list of applicants to the League of Cities and to the County Commission to ensure that municipal and County interests are represented. The League will nominate members for three fields of expertise and nominate alternates for the remaining four fields of expertise. Each Commissioner will review the qualifications of the remaining applicants and score them from 1 to 3. Department staff will tabulate the ranking scores to select members for the remaining four fields of expertise and alternates for the remaining three fields of expertise. The County Commission will appoint the League of City nominees to the Oversight Committee and fill the remaining seats with candidates with the highest County Commission ranking. Appointments will be for two year terms, after which time members and alternates may be considered for reappointment or replacement. If replacement members or alternates are required, the entity who selected that member can upgrade the alternate to the member seat, choose a replacement from the existing pool of applicants, or request a new call for qualified citizen volunteers.

C. RESPONSIBILITIES:

1. Although Save Our Lagoon plan was developed with the best information available in 2016, verifying the sources of water quality pollution and keeping up with technological advancements is important for maximizing timely and cost-effective solutions. In order to review and adapt to better information and opportunities through time, monitoring is necessary. As projects from this plan are implemented, the actual costs and nutrient reduction benefits will be tracked.

2. Brevard County staff will provide project monitoring reports to the Oversight Committee and will work with them to recommend adjusting the planned projects, as needed. An adaptive management process shall be utilized to allow alternative projects to be submitted by municipalities and other community or lagoon focused partners for review by the Oversight Committee for inclusion in the next annual update to this plan.

3. The role of the Oversight Committee will be to review monitoring data on timeliness of project delivery, actual and updated project costs, and actual nutrient removal effectiveness, review new literature and local studies on the types of projects included in the plan and potential alternative project types, evaluate alternative project proposals received from the community, and recommend annual adjustments to the plan including Table 46, the Timeline for Funding Needs.

4. The Committee's recommendations will be presented annually by the Committee Chair, working with Department staff, to the Board of County Commissioners for their inclusion; modification and inclusion; or non-inclusion in the Save Our Lagoon plan.

5. Upon County Commission approval, a project or projects that deliver comparable

nutrient removal benefits may be added to listed Save Our Lagoon projects or substituted for the funding allocated to one or more other Save Our Lagoon projects in the same sub-lagoon. Unless otherwise agreed to by the County Commission, if a substituted project costs more than the project listed in the Save Our Lagoon plan, the requesting partner must provide the balance of the costs.

SECTION l8. SEVERABILITY. In the event that any word, phrase, clause, sentence or paragraph hereof shall be held invalid by any court of competent jurisdiction, such holding shall not affect any other word, clause, sentence or paragraph hereof.

SECTION 19. REPEALING CLAUSE. All ordinances or other actions of the County which are in conflict herewith are hereby repealed to the extent of such conflict or inconsistency.

SECTION 20. EFFECTIVE DATE. This Ordinance shall take effect upon November 8, 2016 if the ½ cent sales tax is approved by a majority of the electors of the county voting in the referendum on that date. However, the Ordinance shall not be implemented until such time as a) the Supervisor of Elections has consented to obtaining and making registration books available in accordance with Section 100.151, Florida Statutes; b) election results demonstrate an affirmative vote of the majority of the electors has approved the Save Our Indian River Lagoon ½ cent sales tax.

DONE AND ADOPTED in Regular Session of the Board of County Commissioners of Brevard County, Florida this 23rd day of August, 2016.

ATTEST:

BOARD OF COUNTY COMMISSIONERS
OF BREVARD COUNTY, FLORIDA

_____

Scott Ellis, Clerk

By: _____

Jim Barfield, Chair

(as approved by the Board on August 23, 2016)

Exhibit "A"

NOTICE OF SAVE OUR SAVE OUR INDIAN RIVER LAGOON ½ CENT SALES TAX REFERENDUM

Pursuant to the provisions of Section 100.342, Florida Statutes, notice is hereby given that a referendum election shall be held on Tuesday, November 8, 2016, to determine whether the Brevard County Board of County Commissioners should levy a ½ cent infrastructure sales tax for financing the county's share of the cost for the Save Our Lagoon Project Plan as described in the following Ordinance number 2016-_____ adopted by the Board of County Commissioners of Brevard County, Florida on _____, 2016:

(Set forth adopted Ordinance here)

INTERLOCAL AGREEMENT

This Interlocal Agreement, was made and entered into this ___ day of _____, 2016, by and between Brevard County, Florida ("County") and Cocoa, Florida, all of which are political subdivisions of the State of Florida and collectively are referred to herein as "Parties."

WITNESSETH

WHEREAS, it is critical that this interlocal agreement be executed by all parties on or before August 23, 2016 in order to meet the deadline set by the Supervisor of Elections for submitting ballot language; and

WHEREAS, the Board of County Commissioners of Brevard County, Florida, has been granted authority under Section 212.055(2)(a), Florida Statutes, to levy for a period of ten (10) years from the date of levy, a discretionary infrastructure sales tax of a one half cent, pursuant to ordinance enacted by a majority of the members of the Board of County Commissioners and approved by a majority of the electors of the County voting in a referendum on the surtax; and

WHEREAS, Section 212.055(2)(d)1., Florida Statutes, defines "infrastructure" to mean "[a]ny fixed capital expenditure or fixed capital outlay associated with the construction, reconstruction, or improvement of public facilities that have a life expectancy of 5 or more years, any related land acquisition, land improvement, design, and engineering costs, and all other professional and related costs required to bring the public facilities into service. For purposes of this sub-subparagraph, the term "public facilities" means facilities as defined in s. 163.3164(38), s.163.3221(13), or s. 189.012(5), regardless of whether the facilities are owned by the local taxing authority or another governmental entity; and

WHEREAS, Sections 163.3164(38), 163.3221(13), and 189.012(5), Florida Statutes all define the term "public facilities" to include parks and recreational facilities; and

WHEREAS, based upon Florida law, the County comprehensive plan, a 1987 EPA designation, and findings by the Florida Legislature, the Parties find that the Indian River Lagoon is a "public facility" as that term is defined in section 212.055(2), Florida Statutes; and

WHEREAS, the Parties see the urgent need to implement the "Save Our Lagoon Project Plan," with the aim to restore the Indian River Lagoon through financing, planning, constructing, maintaining, and operating capital improvements and capital maintenance projects and programs designed to improve water quality, fish, wildlife and marine habitat, remove muck and reduce pollution, as permitted under Section 212.055(2)(d)1., Florida Statutes; and

WHEREAS, such infrastructure projects are more equitably funded by revenue sources other than ad valorem taxation; and

WHEREAS, the Board of County Commissioners of Brevard County, Florida, has promulgated Brevard County Ordinance no. 16-___, ("the Ordinance") imposing a one half cent discretionary infrastructure sales tax for a period of ten (10) years from the date of levy, for the

purposes expressed above, subject to approval of said surtax by a majority vote of those qualified electors of Brevard County voting in a referendum to be held on November 8, 2016; and

WHEREAS, it is contemplated that if approved in said referendum, said one half cent discretionary infrastructure sales tax shall be imposed and collected countywide, commencing on February 1, 2017, and continuing thereafter for a period of ten (10) years until December 31, 2027; and

WHEREAS, section 212.055(2)(c), Florida Statutes requires distribution of an interlocal agreement between the county governing authority and the governing bodies of the municipalities representing a majority of the county's municipal population in order to determine the distribution of the revenues derived from the half cent discretionary infrastructure sales tax in lieu of using the statutory formula set forth in section 218.62, Florida Statutes; and

WHEREAS, the parties have determined that it is in the best interests of all residents and property owners in Brevard County that all revenues derived from the half cent sales tax levied for projects and programs for the restoration of the Indian River Lagoon, as those projects and programs are described in the Ordinance; and

WHEREAS, the Parties deem it in the best interest of all of the citizens and residents of Brevard County, Florida, that the proceeds of the one half cent discretionary infrastructure sales tax, if approved by the qualified electors of Brevard County voting in the above-referenced referendum to be held on November 8, 2016, be used to fund projects and programs designed to restore the Indian River Lagoon in the manner set forth in the Ordinance, including operations, maintenance and reasonable administrative costs of those projects and programs:

NOW, THEREFORE, Brevard County and Cocoa, Florida agree as follows:

1. The recitals set forth hereinabove are true and correct in all respects and are incorporated herein by reference as if set forth herein verbatim.

2. The parties hereby acknowledge that the County has taken, or will take, such action as necessary to place the issue of levy of a one half cent discretionary infrastructure sales tax before the voters of Brevard County on the ballot in the referendum to be held on November 8, 2016.

3. If the levy of the one half cent discretionary infrastructure sales tax is approved in the November 8, 2016 referendum, upon implementation by ordinance of the sales tax by the County, any and all revenue generated by said tax shall be deposited into the Save Our Lagoon Trust Fund and used for Lagoon restoration projects and programs in the manner prescribed by the County Save Our Lagoon ordinance to be enacted on August 23, 2016, provided that the County and the governing bodies of the municipalities representing a majority of the county's municipal population execute a copy of this agreement.

4. It is the intent of the Parties that even though this interlocal agreement is separately executed by the County with multiple municipalities, that all of such separately

executed agreements shall be construed to constitute a single interlocal agreement which provides for the use and distribution of the proceeds from the one half cent infrastructure surtax as follows:

a. Any and all revenue generated by the surtax will be deposited into the Save Our Lagoon Trust Fund, administered by the County, for financing the implementation of the Save Our Lagoon Project Plan; and

b. The Indian River Lagoon Advisory Committee, as established in Brevard County Ordinance no. 16-___, will assist the County with annual plan updates and may review any proposed capital improvement, project, program, audit or other matter presented to it by the Board of County Commissioners for a recommendation to the County Commission.

5. This Agreement is an interlocal agreement, as contemplated by Chapter 163, Part III, Florida Statutes, and other applicable law. This interlocal agreement adopts, incorporates and ratifies the provisions of Brevard County Ordinance no. 16-___. It is governed by the laws of Florida.

6. This Agreement and its exhibits may only be amended, supplemented or cancelled only by a written instrument duly executed by the parties hereto.

7. Once approved by the parties, it shall become effective at such time it is recorded in the Official Public Records of Brevard County, Florida per the requirements of the Ch. 163 Interlocal Agreement statute.

IN WITNESS WHEREOF, the parties have hereunto set their hands and seals on the day and year indicated next to the signature of their respective authorized representatives and this agreement shall take effect upon the date of execution by the last party to the agreement, the "last party" being defined as the authorized representative of the Brevard County municipality whose city population will cause the total population of cities executing this agreement to exceed 50% of the total municipal population in the County, as that total is set forth on Exhibit A, attached hereto.

BREVARD COUNTY, FLORIDA

By: _____
Jim Barfield, Chair

ATTEST: _____
Clerk

DATE: _____

CITY OF _____, FLORIDA

By: _____
, Mayor

ATTEST: _____
Clerk

DATE: _____

CITY OF_____, FLORIDA

By: _____
, Mayor

ATTEST: _____
Clerk

DATE: _____

CITY OF_____, FLORIDA

By: _____
, Mayor

ATTEST: _____
Clerk

DATE: _____

CITY OF_____, FLORIDA

By: _____
, Mayor

ATTEST: _____

Clerk

DATE: _____

Legislation Details (With Text)

File #:	16-335	**Version:**	1	**Name:**	
Type:	Contract			**Status:**	Multi-Year Contract
File created:	8/4/2016			**In control:**	City Council
On agenda:	8/23/2016			**Final action:**	
Title:	1) Approve and authorize the City Manager to execute documents necessary to pursue St. Johns River Water Management District Cost-share Funding for two stormwater retrofit projects. 2)Approve a multi-year contract for the Factory Street stormwater retrofit and cost-shared project. (Public Works Director)				
Sponsors:					
Indexes:					
Code sections:					
Attachments:	28740 City of Cocoa Church Street Agreement.pdf 28738 City of Cocoa Factory Agreement.pdf City of Cocoa - Rankin.pdf Public Works Stormwater Grants Internal Approval FormsFY2016_2017.pdf				

Date	Ver.	Action By	Action	Result

CITY COUNCIL AGENDA ITEM

Memo Date: August 4, 2016
Agenda Date: August 23, 2016
Prepared By: Laura Rankin, Stormwater Engineer
Through: Everett J. Wegerif, P.E., Public Works Director
Requested Action:

1) Approve and authorize the City Manager to execute documents necessary to pursue St. Johns River Water Management District Cost-share Funding for two stormwater retrofit projects.
2) Approve a multi-year contract for the Factory Street stormwater retrofit and cost-shared project.

BACKGROUND:

At the April 12, 2016 City Council meeting, agenda item 16-136, the Stormwater Division of Public Works received approval to apply for St. Johns River Water Management District Cost-Share (SJRWMD) funding. The City of Cocoa applied for and received district cost-share funding for two stormwater retrofit projects. Both projects reduce nutrients going into the Indian River Lagoon (IRL) and will help the City meet mandated nutrient reduction goals in order to stay in compliance with the North B IRL Basin Action Management Plan and Total Maximum Daily Loads.

One stormwater retrofit project is the Church Street Baffle Box installation. It is estimated that roughly 80 acres of untreated stormwater drains to the Indian River Lagoon. Installing the Baffle Box will

improve Lagoon water quality by removing nutrients and sediment. It is estimated the Baffle Box provide a nutrient reduction of 173 lbs/yr of Total Nitrogen and 35 lbs/yr of Total Phosphorus. The project cost is estimated at $173,620 and the cost-share reimbursement amount is $56,634.60. Cost -share funding will be dispersed once the as-builts and project completion documents have been submitted and approved by the SJRWMD. Construction is anticipated to begin April 2017 and anticipated completion toward the end of June 2017.

The second stormwater project location is the AT&T stormwater retrofit project (also known as the Factory Street Stormwater Improvement project). Approximately 13 acres of currently untreated stormwater will be draining to the new, retrofitted dry detention pond. It is estimated the retrofit will provide a nutrient reduction of 34 lbs/yr of Total Nitrogen and 9 lbs/yr of Total Phosphorus. The project also includes Florida Friendly Landscaping and an educational sign outlining the importance of proper stormwater management and the City's efforts in improving the Indian River Lagoon. The total project cost is estimated at $207,641 and the cost-share reimbursement amount is $55,801. Construction is anticipated to begin October 2016 and completion in May 2017. Cost-share funding will be dispersed once the as-builts and project completion documents have been submitted and approved by the SJRWMD.

Both of these projects have been included in the Fiscal Year 2016-2017 budget. It is anticipated the FY2016-2017 budget will be approved; however, budget approval is still pending as of August 4, 2016.

STRATEGIC PLAN CONNECTION:

These stormwater retrofit projects will positively impact the Indian River Lagoon and will further the City's compliance with mandated water quality improvement regulations such as the City's Total Maximum Daily Load reduction and the City's National Pollution Discharge Elimination permit.

BUDGETARY IMPACT:

Budgeted? Yes Project numbers: SW16FS - Factory Street
SW17CS - Church Street

FY2016 budgetary impact:
423-3570-538.63-00 $18,795.00 Factory Street design and permitting (Proj.# SW16FS)

FY2017 budgetary impact: (Pending FY2017 budget approval)
423-3570-538.63-00 $2,000.00 Church Street design and permitting (Proj.# SW17CS)
423-3570-538.63-00 $171,620.00 Church St. Baffle Box and installation (Proj.# SW17CS)
423-3570-538.63-00 $169,096.00 Factory Street construction (Proj.# SW16FS)

There will be budgetary impacts for Fiscal Years 2016 and 2017. Budgetary impacts in Fiscal Year 2016 were approximately $19,000 for the design of the Factory Street project. In Fiscal Year 2017, the budgetary impacts will be for the construction of the stormwater management facilities; approximately $169,096 for the Factory Street construction and approximately $173,620 for the Church Street design and construction.

PREVIOUS ACTION:

Council Agenda Item 16-136 approved the Stormwater Division of Public Works to apply for SJRWMD Cost-share Funding.

RECOMMENDED MOTION:

Approve and to authorize the City Manager to execute documents necessary to pursue the SJRWMD Cost-share Funding. Approve a multi-year contract for the design and construction of the Factory Street stormwater retrofit project.

COST-SHARE AGREEMENT
BETWEEN THE
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
AND CITY OF COCOA

THIS AGREEMENT ("Agreement") is entered into by and between the GOVERNING BOARD of the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT (the "District"), whose address is 4049 Reid Street, Palatka, Florida 32177, and CITY OF COCOA ("Recipient"), 65 Stone Street, Cocoa, Florida 32922. All references to the parties hereto include the parties, their officers, employees, agents, successors, and assigns.

RECITALS

The waters of the state of Florida are among its basic resources, and it has been declared to be the policy of the Legislature to promote the conservation, development, and proper utilization of surface and ground water. Pursuant to chapter 373, Fla. Stat., the District is responsible for the management of the water resources within its geographical area.

The District 2016-2017 cost-share funding program is designed to fund the construction of local stormwater management and alternative water supply projects as well as conservation implementation projects. Its goals are to contribute to: 1) reduction in water demand through indoor and outdoor conservation measures; 2) development of alternative or non-traditional water supply sources; such as reclaimed water, surface water, or seawater; 3) water quality improvements (for example, nutrient-loading reduction in springsheds or other surface-water systems); and 4) water resource development opportunities (for instance, increasing available source water through expansion or development of surface-water storage). The current cost-share funding program also recognizes the importance of providing funding opportunities for construction of flood protection and natural-systems restoration projects, which are important components of the District's core mission focus.

The District has determined that providing cost-share funding to Recipient for the purposes provided for herein will benefit the water resources and one or more of the District's missions and initiatives.

At its June 2016 meeting, the Governing Board selected Recipient's proposal for cost-share funding. The parties have agreed to jointly fund the following project in accordance with the funding formula further described in the Statement of Work, Attachment A (hereafter the "Project"):

Church Street Stormwater Retrofit and Improvements Project

In consideration of the above recitals, and the funding assistance described below, Recipient agrees to perform and complete the activities provided for in the Statement of Work, Attachment A. Recipient shall complete the Project in conformity with the contract documents and all attachments and other items incorporated by reference herein. This Agreement consists of all of the following documents: (1) Agreement, (2) Attachment A - Statement of Work; and (3) all other attachments, if any. The parties hereby agree to the following terms and conditions.

1. **TERM; WITHDRAWAL OF OFFER.**

(a) The term of this Agreement is from the date upon which the last party has dated and executed the same ("Effective Date") until September 30, 2017 ("Completion Date"). Recipient shall not commence the Project until any required submittals are received and approved. Time is of the essence for every aspect of this Agreement, including any time extensions. Any request for an extension of time beyond the Completion Date must be made in writing before July 1, 2017. Timely requests to extend, for longer than six months, the Completion Date of the Agreement for projects whose District contribution exceeds $100,000 may only be approved by the District's Governing Board. Notwithstanding specific mention that certain provisions survive termination or expiration of this Agreement, all provisions of this Agreement that by their nature extend beyond the Completion Date, for example, delivery of a final report, will remain in full force and effect after the Completion Date as necessary to affect performance.

(b) This Agreement constitutes an offer until authorized, signed and returned to the District by Recipient. This offer terminates forty-five (45) days after receipt by Recipient; provided, however, that Recipient may submit a written request for extension of this time limit to the District's Project Manager, stating the reason(s) therefor. Request for extension of time after the forty-five (45) days will be denied. The Project Manager shall notify Recipient in writing if an extension is granted or denied. If granted, this Agreement shall be deemed modified accordingly without any further action by the parties.

(c) If the construction, which is eligible for District reimbursement, does not begin before June 30, 2017, or if the first invoice for non-construction projects is not submitted by June 30, 2017, the cost-share agreement will be subject to termination and the funds subject to reallocation.

2. **DELIVERABLES**. Recipient shall fully implement the Project, as described in the Statement of Work, Attachment A. Recipient is responsible for the professional quality, technical accuracy, and timely completion of the Project. Both workmanship and materials shall be of good quality. Unless otherwise specifically provided for herein, Recipient shall provide and pay for all materials, labor, and other facilities and equipment necessary to complete the Project. The District's Project Manager shall make a final acceptance inspection of the Project when completed and finished in all respects. Upon satisfactory completion of the Project, the District will provide Recipient a written statement indicating that the Project has been completed in accordance with this Agreement. Acceptance of the final payment by Recipient shall constitute a release in full of all claims against the District arising from or by reason of this Agreement.

3. **OWNERSHIP OF DELIVERABLES.** Unless otherwise provided herein, the District does not assert an ownership interest in any of the deliverables under this Agreement.

4. **AMOUNT OF FUNDING.**

(a) For satisfactory completion of the Project, the District shall pay Recipient thirty-three (33%) of the total construction cost of the Project, but in no event shall the District cost-share exceed $56,634.60. The District cost-share is not subject to modification based upon price escalation in implementing the Project during the term of this Agreement. Recipient shall be responsible for payment of all costs necessary to ensure completion of the Project.

Recipient shall notify the District's Project Manager in writing upon receipt of any additional external funding for the Project not disclosed prior to execution of this Agreement.

(b) "Construction cost" is defined to include actual costs of constructing Project facilities, including construction management. Land acquisition, engineering design, and permitting costs are excluded. Construction cost does not include any costs incurred prior to the Effective Date, unless expressly authorized by the Statement of Work. Costs that are excluded will not be credited toward Recipient's cost-share.

(c) Cooperative funding shall not be provided for expenses incurred after the Completion Date.

5. **PAYMENT OF INVOICES.**

(a) Recipient shall submit itemized invoices as per the Statement of Work, Attachment A for reimbursable expenses by one of the following two methods: (1) by mail to the St. Johns River Water Management District, Finance Director, 4049 Reid Street, Palatka, Florida 32177, or (2) by e-mail to acctpay@sjrwmd.com. The invoices shall be submitted in detail sufficient for proper pre-audit and post-audit review. Invoices shall include a copy of contractor and supplier invoices to Recipient and proof of payment. Recipient shall be reimbursed for thirty-three (33%) of approved cost or the not-to-exceed sum of $56,634.60, whichever is less. The District shall not withhold any retainage from this reimbursement. District reimbursement is subject to annual budgetary limitation, if applicable, as provided in subsection (g). If necessary for audit purposes, Recipient shall provide additional supporting information as required to document invoices.

(b) **End of District Fiscal Year Reporting**. The District's fiscal year ends on September 30. Irrespective of the invoicing frequency, the District is required to account for all encumbered funds at that time. When authorized under the Agreement, submittal of an invoice as of September 30 satisfies this requirement. The invoice shall be submitted no later than October 30. If the Agreement does not authorize submittal of an invoice as of September 30, Recipient shall submit, prior to October 30, a description of the additional work on the Project completed between the last invoice and September 30, and an estimate of the additional amount due as of September 30 for such Work. If there have been no prior invoices, Recipient shall submit a description of the work completed on the Project through September 30 and a statement estimating the dollar value of that work as of September 30.

(c) **Final Invoice**. The final invoice must be submitted no later than forty-five (45) days after the Completion Date; provided, however, that when the Completion Date corresponds with the end of the District's fiscal year (September 30), the final invoice must be submitted no later than thirty (30) days after the Completion Date. **Final invoices that are submitted after the requisite date shall be subject to a penalty of ten percent (10%) of the invoice. This penalty may be waived by the District, in its sole judgment and discretion, upon a showing of special circumstances that prevent the timely submittal of the final invoice. Recipient must request approval for delayed submittal of the final invoice not later than ten (10) days prior to the due date and state the basis for the delay.**

(d) All invoices shall include the following information: (1) District contract number; (2) Recipient's name, address, and authorization to directly deposit payment into Recipient's account (if Recipient has not yet provided the District with a completed Direct Deposit Authorization form; (3) Recipient's invoice number and date of invoice; (4) District Project Manager; (5) Recipient's Project Manager; (6) supporting documentation as to cost and/or Project completion (as per the cost schedule and other requirements of the Statement of Work); (7) Progress Report (if required); (8) Diversity Report (if otherwise required herein). Invoices that do not correspond with this paragraph shall be returned without action within twenty (20) business days of receipt, stating the basis for rejection. Payments shall be made within forty-five (45) days of receipt of an approved invoice.

(e) **Travel expenses**. If the cost schedule for this Agreement includes a line item for travel expenses, travel expenses shall be drawn from the project budget and are not otherwise compensable. If travel expenses are not included in the cost schedule, they are a cost of providing the service that is borne by Recipient and are only compensable when specifically approved by the District as an authorized District traveler. In such instance, travel expenses must be submitted on District or State of Florida travel forms and shall be paid pursuant to District Administrative Directive 2000-02.

(f) **Payments withheld.** The District may withhold or, on account of subsequently discovered evidence, nullify, in whole or in part, any payment to such an extent as may be necessary to protect the District from loss as a result of: (1) defective work not remedied; (2) failure to maintain adequate progress in the Project; (3) any other material breach of this Agreement. Amounts withheld shall not be considered due and shall not be paid until the ground(s) for withholding payment have been remedied.

(g) **Annual budgetary limitation**. For multi-fiscal year agreements, the District must budget the amount of funds that will be expended during each fiscal year as accurately as possible. The Statement of Work, Attachment A, includes the parties' current schedule for completion of the Work and projection of expenditures on a fiscal year basis (October 1 – September 30) ("Annual Spending Plan"). If Recipient anticipates that expenditures will exceed the budgeted amount during any fiscal year, Recipient shall promptly notify the District's Project Manager and provide a proposed revised work schedule and Annual Spending Plan that provides for completion of the Work without increasing the Total Compensation. The last date for the District to receive this request is August 1 of the then-current fiscal year. The District may in its sole discretion prepare a District Supplemental Instruction Form incorporating the revised work schedule and Annual Spending Plan during the then-current fiscal year or subsequent fiscal year(s).

6. **LIABILITY AND INSURANCE**. Each party is responsible for all personal injury and property damage attributable to the negligent acts or omissions of that party, its officers, employees and agents. Recipient accepts all risks arising from construction or operation of the Project. Nothing contained herein shall be construed or interpreted as denying to any party any remedy or defense available under the laws of the state of Florida, nor as a waiver of sovereign immunity of the state of Florida beyond the waiver provided for in section 768.28, Fla. Stat., as amended. Each party shall acquire and maintain throughout the term of this Agreement such liability, workers' compensation, and automobile insurance as required by their current rules and regulations. If Florida Department of Environmental Protection ("FDEP") funds will be used to fund all or a portion of the Agreement,

additional FDEP insurance requirements applicable to the Recipient are included in the Insurance attachment to the Agreement.

7. **FUNDING CONTINGENCY.** This Agreement is at all times contingent upon funding availability, which may include a single source or multiple sources, including, but not limited to: (1) ad valorem tax revenues appropriated by the District's Governing Board; (2) annual appropriations by the Florida Legislature, or (3) appropriations from other agencies or funding sources. Agreements that extend for a period of more than one Fiscal Year are subject to annual appropriation of funds in the sole discretion and judgment of the District's Governing Board for each succeeding Fiscal Year. Should the Project not be funded, in whole or in part, in the current Fiscal Year or succeeding Fiscal Years, the District shall so notify Recipient and this Agreement shall be deemed terminated for convenience five (5) days after receipt of such notice, or within such additional time as the District may allow. For the purpose of this Agreement, "Fiscal Year" is defined as the period beginning on October 1 and ending on September 30.

8. **PROJECT MANAGEMENT.**

(a) The Project Managers listed below shall be responsible for overall coordination and management of the Project. Either party may change its Project Manager upon three (3) business days prior written notice to the other party. Written notice of change of address shall be provided within five (5) business days. All notices shall be in writing to the Project Managers at the addresses below and shall be sent by one of the following methods: (1) hand delivery; (2) U.S. certified mail; (3) national overnight courier; or (4) e-mail. Notices via certified mail are deemed delivered upon receipt. Notices via overnight courier are deemed delivered one (1) business day after having been deposited with the courier. Notices via e-mail are deemed delivered on the date transmitted and received.

DISTRICT	RECIPIENT
Melisa Diolosa	Laura Rankin
Project Manager	Project Manager
St. Johns River Water Management District	City of Cocoa
525 Community College Parkway, S.E.	155 N. Wilson Avenue
Palm Bay, Florida 32909	Cocoa, Florida 32922
321-676-6622	321-433-8910
E-mail: mdiolosa@sjrwmd.com	E-mail: lrankin@cocoafl.org

(b) The District's Project Manager shall have sole responsibility for transmitting instructions, receiving information, and communicating District policies and decisions regarding all matters pertinent to performance of the Project. The District's Project Manager may issue a District Supplemental Instruction (DSI) form, Attachment C, to authorize minor changes in the Project that the parties agree are not inconsistent with the purpose of the Project, do not affect the District cost-share, Completion Date, or otherwise significantly modify the terms of the Agreement.

9. **PROGRESS REPORTS AND PERFORMANCE MONITORING.**

(a) **Progress Reports.** Recipient shall provide to the District quarterly Project update/status reports as provided in the Statement of Work. Reports will provide detail on progress of the Project and outline any potential issues affecting completion or the overall schedule.

Recipient shall use the District's Project Progress Report form, Attachment B. Recipient shall submit the Project Progress Reports to the District's Project Manager and District's Budget Coordinator within thirty (30) days after the closing date of each calendar quarter (March 31, June 30, September 30 and December 31).

(b) **Performance Monitoring**. For as long as the Project is operational, the District shall have the right to inspect the operation of the Project during normal business hours upon reasonable prior notice. Recipient shall make available to the District any data that is requested pertaining to performance of the Project.

10. **FAILURE TO COMPLETE PROJECT**.

(a) Should Recipient fail to complete the Project, Recipient shall refund to the District all of the funds provided to Recipient pursuant to this Agreement. However, the District, in its sole judgment and discretion, may determine that Recipient has failed to complete the Project due to circumstances that are beyond Recipient's control, or due to a good faith determination that the Project is no longer environmentally or economically feasible. In such event, the District may excuse Recipient from the obligation to return funds provided hereunder. If the Project has not been completed within thirty (30) days after the Completion Date, Recipient shall provide the District with notice regarding its intention as to completion of the Project. The parties shall discuss the status of the Project and may mutually agree to revise the time for Project completion or the scope of the Project. Failure to complete the Project within ninety (90) days after the Completion Date shall be deemed to constitute failure to complete the Project for the purposes of this provision.

(b) In the event the Project constitutes a portion of the total functional project, this paragraph shall apply in the event the total functional project is not completed. In such event, the 90-day timeframe provided herein shall commence upon the date scheduled for completion of the total functional project at the time of execution of this Agreement, unless extended by mutual agreement of the parties. Paragraphs 10(a) and 10(b) shall survive the termination or expiration of this Agreement.

11. **TERMINATION.** If Recipient materially fails to fulfill its obligations under this Agreement, including any specific milestones established herein, the District may provide Recipient written notice of the deficiency by forwarding a Notice to Cure, citing the specific nature of the breach. Recipient shall have thirty (30) days following receipt of the notice to cure the breach. If Recipient fails to cure the breach within the thirty (30) day period, the District shall issue a Termination for Default Notice terminating this Agreement without further notice. In such event, Recipient shall refund to the District all funds provided to Recipient pursuant to this Agreement within thirty (30) days of such termination. The District may also terminate this Agreement upon ten (10) days written notice in the event of any material misrepresentations in the Project Proposal.

Delay or failure by the District to enforce any right, remedy or deadline hereunder shall not impair, or be deemed a waiver of, any such right, remedy or deadline, or impair the District's rights or remedies for any subsequent breach or continued breach of this Agreement.

ADDITIONAL PROVISIONS (Alphabetical)

12. **ASSIGNMENT**. Recipient shall not assign this Agreement, or any monies due hereunder, without the District's prior written consent. Recipient is solely responsible for fulfilling all work elements in any contracts awarded by Recipient and payment of all monies due. No provision of this Agreement shall create a contractual relationship between the District and any of Recipient's contractors or subcontractors.

13. **AUDIT; ACCESS TO RECORDS; REPAYMENT OF FUNDS.**

(a) **Maintenance of Records**. Recipient shall maintain its books and records such that receipt and expenditure of the funds provided hereunder are shown separately from other expenditures in a format that can be easily reviewed. Recipient shall keep the records of receipts and expenditures, copies of all reports submitted to the District, and copies of all invoices and supporting documentation for at least five (5) years after expiration of this Agreement. In accordance with generally accepted governmental auditing standards, the District shall have access to and the right to examine any directly pertinent books and other records involving transactions related to this Agreement. In the event of an audit, Recipient shall maintain all required records until the audit is completed and all questions are resolved. Recipient will provide proper facilities for access to and inspection of all required records.

(b) **Repayment of Funds**. District funding shall be subject to repayment after expiration of this Agreement if, upon audit examination, the District finds any of the following: (1) Recipient has spent funds for purposes other than as provided for herein; (2) Recipient has failed to perform a continuing obligation of this Agreement; (3) Recipient has received duplicate funds from the District for the same purpose; (4) Recipient has been advanced or paid unobligated funds; (5) Recipient has been paid funds in excess of the amount Recipient is entitled to receive under the Agreement; and/or (6) Recipient has received more than one hundred percent (100%) contributions through cumulative public agency cost-share funding.

14. **CIVIL RIGHTS.** Pursuant to chapter 760, Fla. Stat., Recipient shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin, age, handicap, or marital status.

15. **DISPUTE RESOLUTION**. Recipient is under a duty to seek clarification and resolution of any issue, discrepancy, or dispute involving performance of this Agreement by submitting a written statement to the District's Project Manager no later than ten (10) business days after the precipitating event. If not resolved by the Project Manager, the Project Manager shall forward the request to the District's Office of General Counsel, which shall issue a written decision within ten (10) business days of receipt. This determination shall constitute final action of the District and shall then be subject to judicial review upon completion of the Project.

16. **DIVERSITY REPORTING**. The District is committed to the opportunity for diversity in the performance of all cost-sharing agreements, and encourages Recipient to make a good faith effort to ensure that women and minority-owned business enterprises (W/MBE) are given the opportunity for maximum participation as contractors. The District will assist Recipient by sharing information on W/MBEs. Recipient shall provide with each invoice a report describing: (1) the company names for all W/MBEs; (2) the type of minority, and (3) the amounts spent with each during the invoicing period. The report will also denote if there were no W/MBE expenditures.

17. **GOVERNING LAW, VENUE, ATTORNEY'S FEES, WAIVER OF RIGHT TO JURY TRIAL.** This Agreement shall be construed according to the laws of Florida and shall not be construed more strictly against one party than against the other because it may have been drafted by one of the parties. As used herein, "shall" is always mandatory. In the event of any legal proceedings arising from or related to this Agreement: (1) venue for any state or federal legal proceedings shall be in Orange County; (2) each party shall bear its own attorney's fees, including appeals; (3) for civil proceedings, the parties hereby consent to trial by the court and waive the right to jury trial.

18. **INDEPENDENT CONTRACTORS**. The parties to this Agreement, their employees and agents, are independent contractors and not employees or agents of each other. Nothing in this Agreement shall be interpreted to establish any relationship other than that of independent contractors during and after the term of this Agreement. Recipient is not a contractor of the District. The District is providing cost-share funding as a cooperating governmental entity to assist Recipient in accomplishing the Project. Recipient is solely responsible for accomplishing the Project and directs the means and methods by which the Project is accomplished. Recipient is solely responsible for compliance with all labor, health care, and tax laws pertaining to Recipient, its officers, agents, and employees.

19. **CONFLICTING INTEREST IN RECIPIENT.** Recipient certifies that no officer, agent, or employee of the District has any material interest, as defined in section 112.312, Fla. Stat., either directly or indirectly, in the business of Recipient to be conducted hereby, and that no such person shall have any such interest at any time during the term of this Agreement.

20. **NON-LOBBYING**. Pursuant to section 216.347, Fla. Stat., as amended, Recipient agrees that funds received from the District under this Agreement shall not be used for the purpose of lobbying the Legislature or any other state agency.

21. **PERMITS.** Recipient shall comply with all applicable federal, state and local laws and regulations in implementing the Project and shall include this requirement in all subcontracts pertaining to the Project. Recipient shall obtain any and all governmental permits necessary to implement the Project. Any activity not properly permitted prior to implementation or completed without proper permits does not comply with this Agreement and shall not be approved for cost-share funding.

22. **PUBLIC ENTITY CRIME.** A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies on leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount provided in s. 287.017 for CATEGORY TWO ($35,000) for a period of 36 months following the date of being placed on the convicted vendor list.

23. **PUBLIC RECORDS**. Records of Recipient that are made or received in the course of performance of the Project may be public records that are subject to the requirements of chapter 119, Fla. Stat. If Recipient receives a public records request, Recipient shall promptly notify the District's Project Manager. Each party reserves the right to cancel this Agreement for refusal by the other party to

allow public access to all documents, papers, letters, or other materials related hereto and subject to the provisions of chapter 119, Fla. Stat., as amended.

24. **ROYALTIES AND PATENTS.** Recipient certifies that the Project does not, to the best of its information and belief, infringe on any patent rights. Recipient shall pay all royalties and patent and license fees necessary for performance of the Project and shall defend all suits or claims for infringement of any patent rights and save and hold the District harmless from loss to the extent allowed by Florida law.

IN WITNESS WHEREOF, the St. Johns River Water Management District has caused this Agreement to be executed on the day and year written below in its name by its Executive Director, and Recipient has caused this Agreement to be executed on the day and year written below in its name by its duly authorized representatives, and, if appropriate, has caused the seal of the corporation to be attached. This Agreement may be executed in separate counterparts, which shall not affect its validity. Upon execution, this Agreement constitutes the entire agreement of the parties, notwithstanding any stipulations, representations, agreements, or promises, oral or otherwise, not printed or inserted herein. This Agreement cannot be changed by any means other than written amendments referencing this Agreement and signed by all parties.

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT	CITY OF COCOA
By: _____	By: _____
Ann B. Shortelle, Ph.D., Executive Director (or designee)	_____
	Typed Name and Title
Date: _____	Date: _____
ONLY AS TO FORM AND LEGALITY	Attest: _____
_____	_____
William Abrams, Sr. Assistant General Counsel	Typed Name and Title

ATTACHMENTS

Attachment A - Statement of Work
Attachment B - Project Progress Report Form
Attachment C - District Supplemental Instructions Form

2015-16 District Cost-Share Initiative
Last updated: 9-9-15

ATTACHMENT A - STATEMENT OF WORK
CITY OF COCOA
CHURCH STREET STORMWATER RETROFIT AND IMPROVEMENTS

I. INTRODUCTION/BACKGROUND

The St. Johns River Water Management District (District) is continuing its Cooperative Cost Share Initiative Program in Fiscal Year (FY) 2016-2017 to develop and implement resource and water supply development projects and promote conservation. On June 14, 2016, the District's Governing Board approved funding for Cooperative Cost Share projects. Each project selected for funding will have a positive benefit to one or more of the District's core missions; including water supply, water quality, natural systems or flood mitigation.

The City of Cocoa (Recipient) requested funding for their Church Street Stormwater Retrofit and Improvements project for the not to exceed amount of $56,634.60, towards the estimated construction cost of $171,620. This request was approved by the Governing Board. The Recipient is located in Brevard County.

II. OBJECTIVES

The objective of this contract is to provide cost share dollars that will enable the Recipient to install a Type 2 Nutrient Separating Baffle Box in an area adjacent to the Indian River Lagoon (IRL). The project will prevent approximately 173 lbs. of total Nitrogen and 35 lbs. of total phosphorus annually from discharging to the IRL.

III. SCOPE OF WORK

The Recipient shall install a Type 2 Nutrient Separating Baffle Box at the Church Street outfall near the IRL and will treat untreated stormwater for an approximate 73-acre drainage basin.

IV. PROJECT ADMINISTRATION AND DELIVERABLES

The Recipient shall be responsible for the following:

- Complete and obtain final project design, construction plans, and specifications;
- Obtain all required permits, including right of access to the project sites, related to project construction and subsequent operation and maintenance of the completed work;
- Assure compliance with all permits and permit conditions;
- Provide procurement for project construction;
- Perform supervision and inspection of construction;
- Perform construction contract administration;
- Assure compliance with cost accounting practices and procedures required for reimbursement of cost share funds expended.

The Recipient shall provide the following to the District's Project Manager:

- A copy of Recipient's executed construction contract documents;

- A copy of any subsequent change orders to the contract;
- Timely invoices for actual construction costs in accordance with this cost share agreement (i.e. quarterly, with appropriate substantiation that demonstrates that the applicant has paid for the total work cost and is seeking reimbursement up to the match amount) to enable proper review by the District's Project Manager prior to payment authorization;
- Quarterly progress reports identifying project progress to date, key milestones reached, overall project schedule versus time for project completion, key issues to be resolved, project construction photos; quarterly reports shall also be emailed to the District's Budget Coordinator at mlicourt@sjrwmd.com;
- Certification of construction completion by a Professional Engineer registered in the state of Florida.

The Recipient shall ensure the tasks in the Task Identification section below are completed.

V. TASK IDENTIFICATION AND TIME FRAMES

The expiration date of this cost share agreement is September 30, 2017. The projected schedule is as follows:

Task Description	Anticipated Start Date	Anticipated Completion Date
Construction of baffle box	April 2017	June 2017

VI. BUDGET/COST SCHEDULE

For satisfactory completion of the Project, the District shall pay Recipient thirty-three percent (33%) of the total construction cost of the Project, but in no event shall the District's cost-share exceed $56,634.60.

Recipient shall invoice the District quarterly with appropriate documentation. The District's Project Manager shall provide an invoice template that will be used. Invoices shall include a copy of the contractor's invoices submitted to the Recipient, proof of payment by Recipient, and other required supporting documentation for reimbursement up to match amount. For in-house expenses, Recipient shall provide copies of all receipts for materials and a system report showing documentation of staff time or other proof of staff time expenses for the Project. The final invoice shall be submitted with the final project report. If the total actual cost of this project is less than originally estimated, the District's cost-share amount shall be reduced accordingly. Recipient may invoice more frequently submitting all required documentation and include general status information. Recipient may invoice the District for Project construction work beginning October 1, 2016.

The District's Project Manager will also provide a document to the Recipient to be completed showing the spend-down plan for the Project. The spend-down plan should be completed once the Recipient issues the Notice to Proceed to the construction contractor.

Recipient shall submit quarterly progress reports to the District's Project Manager and the District's Budget Coordinator within 30 days of the end of quarter for work accomplished during each quarter. The email address for the District's Budget Coordinator is mlicourt@sjrwmd.com. The Recipient shall submit a final project report within 30 days of Final Completion and acceptance by City of Cocoa detailing the project's accomplishments and any issues resolved during the course of the work.

Estimated Cost Schedule for Reimbursement (all dollar amounts are approximate and may be reallocated between the construction tasks).

FY 16-17 (10/1/2016 – 9/30/2017)

Description	Estimated Task Amount	Estimated Reimbursement Amount
Construction of baffle box complete	$171,620	$56,634.60
TOTAL FY 16-17:	**$171,620**	**$56,634.60**

ATTACHMENT B

St. Johns River Water Management District
Project Progress Report

Date: _____
month/day/year

Report Number: _____

Contract/Project Identification

Project Name:	Church Street Stormwater Retrofit and Improvements Project
Recipient:	City of Cocoa

SJRWMD Contract Number:	28740	SJRWMD Project Manager:	Melisa Diolosa
		Recipient's Project Manager:	Laura Rankin

Construction Schedule

Start Date (mm/dd/yy):	
Completion (mm/dd/yy):	

Reporting Period

Beginning Date (mm/dd/yy):	
Ending Date (mm/dd/yy):	

Budget

Total Budget:	$
Expended To-date:	$
Expended This Period:	$
Percent Budget Expended:	%

Duration

Planned Duration:	Weeks
Duration To-date:	Weeks
Duration This Period:	Weeks
Percent Duration Expended:	%

Anticipated Future Payment Requests:

3 Months	6 Months	9 Months	12 Months

Design/Permitting Status

Tasks/Milestones/Deliverables Scheduled for this Reporting Period or Within the Next 60 days:

Task Number	Tasks/Milestones/Deliverables	Start Date	Finish Date	Percent Complete	Projected Finish Date

Problems, Issues, Solutions, Anticipated deviations from schedule:

Attach an additional page of notes if necessary to explain reasons for lateness or unusual events or circumstances.

ATTACHMENT C — DISTRICT'S SUPPLEMENTAL INSTRUCTIONS (sample)
DISTRICT SUPPLEMENTAL INSTRUCTIONS #

DATE:

TO:

FROM: , Project Manager

CONTRACT/PURCHASE ORDER NUMBER:

CONTRACT TITLE:

The Work shall be carried out in accordance with the following supplemental instruction issued in accordance with the Contract Documents without change in the Contract Sum or Contract Time. Prior to proceeding in accordance with these instructions, indicate your acceptance of these instructions for minor changes to the work as consistent with the Contract Documents and return to the District's Project Manager.

1. CONTRACTOR'S SUPPLEMENTAL INSTRUCTIONS:

2. DESCRIPTION OF WORK TO BE CHANGED:

3. DESCRIPTION OF SUPPLEMENTAL INSTRUCTION REQUIREMENTS: .

Contractor's approval: (choose one of the items below):

Approved: _____ Date: _____

(It is agreed that these instructions shall not result in a change in the Total Compensation or the Completion Date.)

Approved: _____ Date: _____

(Contractor agrees to implement the Supplemental Instructions as requested, but reserves the right to seek a Change Order in accordance with the requirements of the Agreement.)

Approved: _____ Date: _____
, District Project Manager

Acknowledged: _____ Date: _____
, District Contracts Administrator

cc: Contract/Purchasing file
Financial Management

COST-SHARE AGREEMENT
BETWEEN THE
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
AND CITY OF COCOA

THIS AGREEMENT ("Agreement") is entered into by and between the GOVERNING BOARD of the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT (the "District"), whose address is 4049 Reid Street, Palatka, Florida 32177, and CITY OF COCOA ("Recipient"), 65 Stone Street, Cocoa, Florida 32922. All references to the parties hereto include the parties, their officers, employees, agents, successors, and assigns.

RECITALS

The waters of the state of Florida are among its basic resources, and it has been declared to be the policy of the Legislature to promote the conservation, development, and proper utilization of surface and ground water. Pursuant to chapter 373, Fla. Stat., the District is responsible for the management of the water resources within its geographical area.

The District 2016-2017 cost-share funding program is designed to fund the construction of local stormwater management and alternative water supply projects as well as conservation implementation projects. Its goals are to contribute to: 1) reduction in water demand through indoor and outdoor conservation measures; 2) development of alternative or non-traditional water supply sources; such as reclaimed water, surface water, or seawater; 3) water quality improvements (for example, nutrient-loading reduction in springsheds or other surface-water systems); and 4) water resource development opportunities (for instance, increasing available source water through expansion or development of surface-water storage). The current cost-share funding program also recognizes the importance of providing funding opportunities for construction of flood protection and natural-systems restoration projects, which are important components of the District's core mission focus.

The District has determined that providing cost-share funding to Recipient for the purposes provided for herein will benefit the water resources and one or more of the District's missions and initiatives.

At its June 2016 meeting, the Governing Board selected Recipient's proposal for cost-share funding. The parties have agreed to jointly fund the following project in accordance with the funding formula further described in the Statement of Work, Attachment A (hereafter the "Project"):

Factory Street Stormwater Retrofit and Improvements Project

In consideration of the above recitals, and the funding assistance described below, Recipient agrees to perform and complete the activities provided for in the Statement of Work, Attachment A. Recipient shall complete the Project in conformity with the contract documents and all attachments and other items incorporated by reference herein. This Agreement consists of all of the following documents: (1) Agreement, (2) Attachment A - Statement of Work; and (3) all other attachments, if any. The parties hereby agree to the following terms and conditions.

1. **TERM; WITHDRAWAL OF OFFER.**

(a) The term of this Agreement is from the date upon which the last party has dated and executed the same ("Effective Date") until September 30, 2017 ("Completion Date"). Recipient shall not commence the Project until any required submittals are received and approved. Time is of the essence for every aspect of this Agreement, including any time extensions. Any request for an extension of time beyond the Completion Date must be made in writing before July 1, 2017. Timely requests to extend, for longer than six months, the Completion Date of the Agreement for projects whose District contribution exceeds $100,000 may only be approved by the District's Governing Board. Notwithstanding specific mention that certain provisions survive termination or expiration of this Agreement, all provisions of this Agreement that by their nature extend beyond the Completion Date, for example, delivery of a final report, will remain in full force and effect after the Completion Date as necessary to affect performance.

(b) This Agreement constitutes an offer until authorized, signed and returned to the District by Recipient. This offer terminates forty-five (45) days after receipt by Recipient; provided, however, that Recipient may submit a written request for extension of this time limit to the District's Project Manager, stating the reason(s) therefor. Request for extension of time after the forty-five (45) days will be denied. The Project Manager shall notify Recipient in writing if an extension is granted or denied. If granted, this Agreement shall be deemed modified accordingly without any further action by the parties.

(c) If the construction, which is eligible for District reimbursement, does not begin before June 30, 2017, or if the first invoice for non-construction projects is not submitted by June 30, 2017, the cost-share agreement will be subject to termination and the funds subject to reallocation.

2. **DELIVERABLES**. Recipient shall fully implement the Project, as described in the Statement of Work, Attachment A. Recipient is responsible for the professional quality, technical accuracy, and timely completion of the Project. Both workmanship and materials shall be of good quality. Unless otherwise specifically provided for herein, Recipient shall provide and pay for all materials, labor, and other facilities and equipment necessary to complete the Project. The District's Project Manager shall make a final acceptance inspection of the Project when completed and finished in all respects. Upon satisfactory completion of the Project, the District will provide Recipient a written statement indicating that the Project has been completed in accordance with this Agreement. Acceptance of the final payment by Recipient shall constitute a release in full of all claims against the District arising from or by reason of this Agreement.

3. **OWNERSHIP OF DELIVERABLES.** Unless otherwise provided herein, the District does not assert an ownership interest in any of the deliverables under this Agreement.

4. **AMOUNT OF FUNDING**.

(a) For satisfactory completion of the Project, the District shall pay Recipient approximately thirty-three (33%) of the total construction cost of the Project, but in no event shall the District cost-share exceed $55,801. The District cost-share is not subject to modification based upon price escalation in implementing the Project during the term of this Agreement. Recipient shall be responsible for payment of all costs necessary to ensure

completion of the Project. Recipient shall notify the District's Project Manager in writing upon receipt of any additional external funding for the Project not disclosed prior to execution of this Agreement.

(b) "Construction cost" is defined to include actual costs of constructing Project facilities, including construction management. Land acquisition, engineering design, and permitting costs are excluded. Construction cost does not include any costs incurred prior to the Effective Date, unless expressly authorized by the Statement of Work. Costs that are excluded will not be credited toward Recipient's cost-share.

(c) Cooperative funding shall not be provided for expenses incurred after the Completion Date.

5. **PAYMENT OF INVOICES.**

(a) Recipient shall submit itemized invoices as per the Statement of Work, Attachment A for reimbursable expenses by one of the following two methods: (1) by mail to the St. Johns River Water Management District, Finance Director, 4049 Reid Street, Palatka, Florida 32177, or (2) by e-mail to acctpay@sjrwmd.com. The invoices shall be submitted in detail sufficient for proper pre-audit and post-audit review. Invoices shall include a copy of contractor and supplier invoices to Recipient and proof of payment. Recipient shall be reimbursed for approximately thirty-three (33%) of approved cost or the not-to-exceed sum of $55,801, whichever is less. The District shall not withhold any retainage from this reimbursement. District reimbursement is subject to annual budgetary limitation, if applicable, as provided in subsection (g). If necessary for audit purposes, Recipient shall provide additional supporting information as required to document invoices.

(b) **End of District Fiscal Year Reporting**. The District's fiscal year ends on September 30. Irrespective of the invoicing frequency, the District is required to account for all encumbered funds at that time. When authorized under the Agreement, submittal of an invoice as of September 30 satisfies this requirement. The invoice shall be submitted no later than October 30. If the Agreement does not authorize submittal of an invoice as of September 30, Recipient shall submit, prior to October 30, a description of the additional work on the Project completed between the last invoice and September 30, and an estimate of the additional amount due as of September 30 for such Work. If there have been no prior invoices, Recipient shall submit a description of the work completed on the Project through September 30 and a statement estimating the dollar value of that work as of September 30.

(c) **Final Invoice**. The final invoice must be submitted no later than forty-five (45) days after the Completion Date; provided, however, that when the Completion Date corresponds with the end of the District's fiscal year (September 30), the final invoice must be submitted no later than thirty (30) days after the Completion Date. **Final invoices that are submitted after the requisite date shall be subject to a penalty of ten percent (10%) of the invoice. This penalty may be waived by the District, in its sole judgment and discretion, upon a showing of special circumstances that prevent the timely submittal of the final invoice. Recipient must request approval for delayed submittal of the final invoice not later than ten (10) days prior to the due date and state the basis for the delay.**

(d) All invoices shall include the following information: (1) District contract number; (2) Recipient's name, address, and authorization to directly deposit payment into Recipient's account (if Recipient has not yet provided the District with a completed Direct Deposit Authorization form; (3) Recipient's invoice number and date of invoice; (4) District Project Manager; (5) Recipient's Project Manager; (6) supporting documentation as to cost and/or Project completion (as per the cost schedule and other requirements of the Statement of Work); (7) Progress Report (if required); (8) Diversity Report (if otherwise required herein). Invoices that do not correspond with this paragraph shall be returned without action within twenty (20) business days of receipt, stating the basis for rejection. Payments shall be made within forty-five (45) days of receipt of an approved invoice.

(e) **Travel expenses.** If the cost schedule for this Agreement includes a line item for travel expenses, travel expenses shall be drawn from the project budget and are not otherwise compensable. If travel expenses are not included in the cost schedule, they are a cost of providing the service that is borne by Recipient and are only compensable when specifically approved by the District as an authorized District traveler. In such instance, travel expenses must be submitted on District or State of Florida travel forms and shall be paid pursuant to District Administrative Directive 2000-02.

(f) **Payments withheld.** The District may withhold or, on account of subsequently discovered evidence, nullify, in whole or in part, any payment to such an extent as may be necessary to protect the District from loss as a result of: (1) defective work not remedied; (2) failure to maintain adequate progress in the Project; (3) any other material breach of this Agreement. Amounts withheld shall not be considered due and shall not be paid until the ground(s) for withholding payment have been remedied.

(g) **Annual budgetary limitation**. For multi-fiscal year agreements, the District must budget the amount of funds that will be expended during each fiscal year as accurately as possible. The Statement of Work, Attachment A, includes the parties' current schedule for completion of the Work and projection of expenditures on a fiscal year basis (October 1 – September 30) ("Annual Spending Plan"). If Recipient anticipates that expenditures will exceed the budgeted amount during any fiscal year, Recipient shall promptly notify the District's Project Manager and provide a proposed revised work schedule and Annual Spending Plan that provides for completion of the Work without increasing the Total Compensation. The last date for the District to receive this request is August 1 of the then-current fiscal year. The District may in its sole discretion prepare a District Supplemental Instruction Form incorporating the revised work schedule and Annual Spending Plan during the then-current fiscal year or subsequent fiscal year(s).

6. **LIABILITY AND INSURANCE.** Each party is responsible for all personal injury and property damage attributable to the negligent acts or omissions of that party, its officers, employees and agents. Recipient accepts all risks arising from construction or operation of the Project. Nothing contained herein shall be construed or interpreted as denying to any party any remedy or defense available under the laws of the state of Florida, nor as a waiver of sovereign immunity of the state of Florida beyond the waiver provided for in section 768.28, Fla. Stat., as amended. Each party shall acquire and maintain throughout the term of this Agreement such liability, workers' compensation, and automobile insurance as required by their current rules and regulations. If Florida Department of Environmental Protection ("FDEP") funds will be used to fund all or a portion of the Agreement,

additional FDEP insurance requirements applicable to the Recipient are included in the Insurance attachment to the Agreement.

7. **FUNDING CONTINGENCY.** This Agreement is at all times contingent upon funding availability, which may include a single source or multiple sources, including, but not limited to: (1) ad valorem tax revenues appropriated by the District's Governing Board; (2) annual appropriations by the Florida Legislature, or (3) appropriations from other agencies or funding sources. Agreements that extend for a period of more than one Fiscal Year are subject to annual appropriation of funds in the sole discretion and judgment of the District's Governing Board for each succeeding Fiscal Year. Should the Project not be funded, in whole or in part, in the current Fiscal Year or succeeding Fiscal Years, the District shall so notify Recipient and this Agreement shall be deemed terminated for convenience five (5) days after receipt of such notice, or within such additional time as the District may allow. For the purpose of this Agreement, "Fiscal Year" is defined as the period beginning on October 1 and ending on September 30.

8. **PROJECT MANAGEMENT.**

(a) The Project Managers listed below shall be responsible for overall coordination and management of the Project. Either party may change its Project Manager upon three (3) business days prior written notice to the other party. Written notice of change of address shall be provided within five (5) business days. All notices shall be in writing to the Project Managers at the addresses below and shall be sent by one of the following methods: (1) hand delivery; (2) U.S. certified mail; (3) national overnight courier; or (4) e-mail. Notices via certified mail are deemed delivered upon receipt. Notices via overnight courier are deemed delivered one (1) business day after having been deposited with the courier. Notices via e-mail are deemed delivered on the date transmitted and received.

DISTRICT	RECIPIENT
Melisa Diolosa	Laura Rankin
Project Manager	Project Manager
St. Johns River Water Management District	City of Cocoa
525 Community College Parkway, S.E.	155 N. Wilson Avenue
Palm Bay, Florida 32909	Cocoa, Florida 32922
321-676-6622	321-433-8910
E-mail: mdiolosa@sjrwmd.com	E-mail: lrankin@cocoafl.org

(b) The District's Project Manager shall have sole responsibility for transmitting instructions, receiving information, and communicating District policies and decisions regarding all matters pertinent to performance of the Project. The District's Project Manager may issue a District Supplemental Instruction (DSI) form, Attachment C, to authorize minor changes in the Project that the parties agree are not inconsistent with the purpose of the Project, do not affect the District cost-share, Completion Date, or otherwise significantly modify the terms of the Agreement.

9. **PROGRESS REPORTS AND PERFORMANCE MONITORING.**

(a) **Progress Reports.** Recipient shall provide to the District quarterly Project update/status reports as provided in the Statement of Work. Reports will provide detail on progress of the Project and outline any potential issues affecting completion or the overall schedule.

Recipient shall use the District's Project Progress Report form, Attachment B. Recipient shall submit the Project Progress Reports to the District's Project Manager and District's Budget Coordinator within thirty (30) days after the closing date of each calendar quarter (March 31, June 30, September 30 and December 31).

(b) **Performance Monitoring**. For as long as the Project is operational, the District shall have the right to inspect the operation of the Project during normal business hours upon reasonable prior notice. Recipient shall make available to the District any data that is requested pertaining to performance of the Project.

10. **FAILURE TO COMPLETE PROJECT**.

(a) Should Recipient fail to complete the Project, Recipient shall refund to the District all of the funds provided to Recipient pursuant to this Agreement. However, the District, in its sole judgment and discretion, may determine that Recipient has failed to complete the Project due to circumstances that are beyond Recipient's control, or due to a good faith determination that the Project is no longer environmentally or economically feasible. In such event, the District may excuse Recipient from the obligation to return funds provided hereunder. If the Project has not been completed within thirty (30) days after the Completion Date, Recipient shall provide the District with notice regarding its intention as to completion of the Project. The parties shall discuss the status of the Project and may mutually agree to revise the time for Project completion or the scope of the Project. Failure to complete the Project within ninety (90) days after the Completion Date shall be deemed to constitute failure to complete the Project for the purposes of this provision.

(b) In the event the Project constitutes a portion of the total functional project, this paragraph shall apply in the event the total functional project is not completed. In such event, the 90-day timeframe provided herein shall commence upon the date scheduled for completion of the total functional project at the time of execution of this Agreement, unless extended by mutual agreement of the parties. Paragraphs 10(a) and 10(b) shall survive the termination or expiration of this Agreement.

11. **TERMINATION.** If Recipient materially fails to fulfill its obligations under this Agreement, including any specific milestones established herein, the District may provide Recipient written notice of the deficiency by forwarding a Notice to Cure, citing the specific nature of the breach. Recipient shall have thirty (30) days following receipt of the notice to cure the breach. If Recipient fails to cure the breach within the thirty (30) day period, the District shall issue a Termination for Default Notice terminating this Agreement without further notice. In such event, Recipient shall refund to the District all funds provided to Recipient pursuant to this Agreement within thirty (30) days of such termination. The District may also terminate this Agreement upon ten (10) days written notice in the event of any material misrepresentations in the Project Proposal.

Delay or failure by the District to enforce any right, remedy or deadline hereunder shall not impair, or be deemed a waiver of, any such right, remedy or deadline, or impair the District's rights or remedies for any subsequent breach or continued breach of this Agreement.

ADDITIONAL PROVISIONS (Alphabetical)

12. **ASSIGNMENT**. Recipient shall not assign this Agreement, or any monies due hereunder, without the District's prior written consent. Recipient is solely responsible for fulfilling all work elements in any contracts awarded by Recipient and payment of all monies due. No provision of this Agreement shall create a contractual relationship between the District and any of Recipient's contractors or subcontractors.

13. **AUDIT; ACCESS TO RECORDS; REPAYMENT OF FUNDS.**

(a) **Maintenance of Records**. Recipient shall maintain its books and records such that receipt and expenditure of the funds provided hereunder are shown separately from other expenditures in a format that can be easily reviewed. Recipient shall keep the records of receipts and expenditures, copies of all reports submitted to the District, and copies of all invoices and supporting documentation for at least five (5) years after expiration of this Agreement. In accordance with generally accepted governmental auditing standards, the District shall have access to and the right to examine any directly pertinent books and other records involving transactions related to this Agreement. In the event of an audit, Recipient shall maintain all required records until the audit is completed and all questions are resolved. Recipient will provide proper facilities for access to and inspection of all required records.

(b) **Repayment of Funds**. District funding shall be subject to repayment after expiration of this Agreement if, upon audit examination, the District finds any of the following: (1) Recipient has spent funds for purposes other than as provided for herein; (2) Recipient has failed to perform a continuing obligation of this Agreement; (3) Recipient has received duplicate funds from the District for the same purpose; (4) Recipient has been advanced or paid unobligated funds; (5) Recipient has been paid funds in excess of the amount Recipient is entitled to receive under the Agreement; and/or (6) Recipient has received more than one hundred percent (100%) contributions through cumulative public agency cost-share funding.

14. **CIVIL RIGHTS.** Pursuant to chapter 760, Fla. Stat., Recipient shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin, age, handicap, or marital status.

15. **DISPUTE RESOLUTION**. Recipient is under a duty to seek clarification and resolution of any issue, discrepancy, or dispute involving performance of this Agreement by submitting a written statement to the District's Project Manager no later than ten (10) business days after the precipitating event. If not resolved by the Project Manager, the Project Manager shall forward the request to the District's Office of General Counsel, which shall issue a written decision within ten (10) business days of receipt. This determination shall constitute final action of the District and shall then be subject to judicial review upon completion of the Project.

16. **DIVERSITY REPORTING.** The District is committed to the opportunity for diversity in the performance of all cost-sharing agreements, and encourages Recipient to make a good faith effort to ensure that women and minority-owned business enterprises (W/MBE) are given the opportunity for maximum participation as contractors. The District will assist Recipient by sharing information on W/MBEs. Recipient shall provide with each invoice a report describing: (1) the company names for all W/MBEs; (2) the type of minority, and (3) the amounts spent with each during the invoicing period. The report will also denote if there were no W/MBE expenditures.

17. **GOVERNING LAW, VENUE, ATTORNEY'S FEES, WAIVER OF RIGHT TO JURY TRIAL.** This Agreement shall be construed according to the laws of Florida and shall not be construed more strictly against one party than against the other because it may have been drafted by one of the parties. As used herein, "shall" is always mandatory. In the event of any legal proceedings arising from or related to this Agreement: (1) venue for any state or federal legal proceedings shall be in Orange County; (2) each party shall bear its own attorney's fees, including appeals; (3) for civil proceedings, the parties hereby consent to trial by the court and waive the right to jury trial.

18. **INDEPENDENT CONTRACTORS**. The parties to this Agreement, their employees and agents, are independent contractors and not employees or agents of each other. Nothing in this Agreement shall be interpreted to establish any relationship other than that of independent contractors during and after the term of this Agreement. Recipient is not a contractor of the District. The District is providing cost-share funding as a cooperating governmental entity to assist Recipient in accomplishing the Project. Recipient is solely responsible for accomplishing the Project and directs the means and methods by which the Project is accomplished. Recipient is solely responsible for compliance with all labor, health care, and tax laws pertaining to Recipient, its officers, agents, and employees.

19. **CONFLICTING INTEREST IN RECIPIENT.** Recipient certifies that no officer, agent, or employee of the District has any material interest, as defined in section 112.312, Fla. Stat., either directly or indirectly, in the business of Recipient to be conducted hereby, and that no such person shall have any such interest at any time during the term of this Agreement.

20. **NON-LOBBYING**. Pursuant to section 216.347, Fla. Stat., as amended, Recipient agrees that funds received from the District under this Agreement shall not be used for the purpose of lobbying the Legislature or any other state agency.

21. **PERMITS.** Recipient shall comply with all applicable federal, state and local laws and regulations in implementing the Project and shall include this requirement in all subcontracts pertaining to the Project. Recipient shall obtain any and all governmental permits necessary to implement the Project. Any activity not properly permitted prior to implementation or completed without proper permits does not comply with this Agreement and shall not be approved for cost-share funding.

22. **PUBLIC ENTITY CRIME.** A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies on leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount provided in s. 287.017 for CATEGORY TWO ($35,000) for a period of 36 months following the date of being placed on the convicted vendor list.

23. **PUBLIC RECORDS.** Records of Recipient that are made or received in the course of performance of the Project may be public records that are subject to the requirements of chapter 119, Fla. Stat. If Recipient receives a public records request, Recipient shall promptly notify the District's Project Manager. Each party reserves the right to cancel this Agreement for refusal by the other party to

allow public access to all documents, papers, letters, or other materials related hereto and subject to the provisions of chapter 119, Fla. Stat., as amended.

24. **ROYALTIES AND PATENTS**. Recipient certifies that the Project does not, to the best of its information and belief, infringe on any patent rights. Recipient shall pay all royalties and patent and license fees necessary for performance of the Project and shall defend all suits or claims for infringement of any patent rights and save and hold the District harmless from loss to the extent allowed by Florida law.

IN WITNESS WHEREOF, the St. Johns River Water Management District has caused this Agreement to be executed on the day and year written below in its name by its Executive Director, and Recipient has caused this Agreement to be executed on the day and year written below in its name by its duly authorized representatives, and, if appropriate, has caused the seal of the corporation to be attached. This Agreement may be executed in separate counterparts, which shall not affect its validity. Upon execution, this Agreement constitutes the entire agreement of the parties, notwithstanding any stipulations, representations, agreements, or promises, oral or otherwise, not printed or inserted herein. This Agreement cannot be changed by any means other than written amendments referencing this Agreement and signed by all parties.

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT	CITY OF COCOA
By: _____	By: _____
Ann B. Shortelle, Ph.D., Executive Director (or designee)	_____ Typed Name and Title
Date: _____	Date: _____
ONLY AS TO FORM AND LEGALITY	Attest: _____
_____ William Abrams, Sr. Assistant General Counsel	_____ Typed Name and Title

ATTACHMENTS

Attachment A - Statement of Work
Attachment B - Project Progress Report Form
Attachment C - District Supplemental Instructions Form

2015-16 District Cost-Share Initiative
Last updated: 9-9-15

ATTACHMENT A - STATEMENT OF WORK
CITY OF COCOA
FACTORY STREET STORMWATER RETROFIT AND IMPROVEMENTS

I. INTRODUCTION/BACKGROUND

The St. Johns River Water Management District (District) is continuing its Cooperative Cost Share Initiative Program in Fiscal Year (FY) 2016-2017 to develop and implement resource and water supply development projects and promote conservation. On June 14, 2016, the District's Governing Board approved funding for Cooperative Cost Share projects. Each project selected for funding will have a positive benefit to one or more of the District's core missions; including water supply, water quality, natural systems or flood mitigation.

The City of Cocoa (Recipient) requested funding for their Factory Street Stormwater Retrofit and Improvements for the not to exceed amount of $55,801, towards the estimated construction cost of $169,096. This request was approved by the Governing Board. The Recipient is located in Brevard County.

II. OBJECTIVES

The objective of this contract is to provide cost share dollars that will enable the Recipient to provide treatment to previously untreated stormwater that is directly discharging to the Indian River Lagoon. The project is estimated to remove approximately 34.06 lbs. of total Nitrogen and 6.87 lbs. of total Phosphorus annually.

III. SCOPE OF WORK

The Recipient shall expand an existing dry retention pond to provide additional treatment for 13.22-acres of untreated stormwater. The current pond bottom will be excavated an additional 2-feet.

IV. PROJECT ADMINISTRATION AND DELIVERABLES

The Recipient shall be responsible for the following:

- Complete and obtain final project design, construction plans, and specifications;
- Obtain all required permits, including right of access to the project sites, related to project construction and subsequent operation and maintenance of the completed work;
- Assure compliance with all permits and permit conditions;
- Provide procurement for project construction;
- Perform supervision and inspection of construction;
- Perform construction contract administration;
- Assure compliance with cost accounting practices and procedures required for reimbursement of cost share funds expended.

The Recipient shall provide the following to the District's Project Manager:

- A copy of Recipient's executed construction contract documents;
- A copy of any subsequent change orders to the contract;

- Timely invoices for actual construction costs in accordance with this cost share agreement (i.e. quarterly, with appropriate substantiation that demonstrates that the applicant has paid for the total work cost and is seeking reimbursement up to the match amount) to enable proper review by the District's Project Manager prior to payment authorization;
- Quarterly progress reports identifying project progress to date, key milestones reached, overall project schedule versus time for project completion, key issues to be resolved, project construction photos; quarterly reports shall also be emailed to the District's Budget Coordinator at mlicourt@sjrwmd.com;
- Certification of construction completion by a Professional Engineer registered in the state of Florida.

The Recipient shall ensure the tasks in the Task Identification section below are completed.

V. TASK IDENTIFICATION AND TIME FRAMES

The expiration date of this cost share agreement is September 30, 2017. The projected schedule is as follows:

Task Description	Anticipated Start Date	Anticipated Completion Date
Stormwater pond construction	October 2016	May 2017

VI. BUDGET/COST SCHEDULE

For satisfactory completion of the Project, the District shall pay Recipient approximately thirty-three percent (33%) of the total construction cost of the Project, but in no event shall the District's cost-share exceed $55,801.

Recipient shall invoice the District quarterly with appropriate documentation. The District's Project Manager shall provide an invoice template that will be used. Invoices shall include a copy of the contractor's invoices submitted to the Recipient, proof of payment by Recipient, and other required supporting documentation for reimbursement up to match amount. For in-house expenses, Recipient shall provide copies of all receipts for materials and a system report showing documentation of staff time or other proof of staff time expenses for the Project. The final invoice shall be submitted with the final project report. If the total actual cost of this project is less than originally estimated, the District's cost-share amount shall be reduced accordingly. Recipient may invoice more frequently submitting all required documentation and include general status information. Recipient may invoice the District for Project construction work beginning October 1, 2016.

The District's Project Manager will also provide a document to the Recipient to be completed showing the spend-down plan for the Project. The spend-down plan should be completed once the Recipient issues the Notice to Proceed to the construction contractor.

Recipient shall submit quarterly progress reports to the District's Project Manager and the District's Budget Coordinator within 30 days of the end of quarter for work accomplished during each quarter. The email address for the District's Budget Coordinator is mlicourt@sjrwmd.com. The Recipient shall submit a final project report within 30 days of Final Completion and acceptance by City of Cocoa detailing the project's accomplishments and any issues resolved during the course of the work.

Estimated Cost Schedule for Reimbursement (all dollar amounts are approximate and may be reallocated between the construction tasks).

FY 16-17 (10/1/2016 – 9/30/2017)

Description	Estimated Task Amount	Estimated Reimbursement Amount
Stormwater pond construction	$169,096	$55,801
TOTAL FY 16-17:	**$169,096**	**$55,801**

ATTACHMENT B

St. Johns River Water Management District
Project Progress Report

Date: _____
month/day/year

Report Number: _____

Contract/Project Identification

Project Name:	Factory Street Stormwater Retrofit and Improvements Project
Recipient:	City of Cocoa

SJRWMD Contract Number:	28738	SJRWMD Project Manager:	Melisa Diolosa
		Recipient's Project Manager:	Laura Rankin

Construction Schedule

Start Date (mm/dd/yy):	
Completion (mm/dd/yy):	

Reporting Period

Beginning Date (mm/dd/yy):	
Ending Date (mm/dd/yy):	

Budget

Total Budget:	$
Expended To-date:	$
Expended This Period:	$
Percent Budget Expended:	%

Duration

Planned Duration:	Weeks
Duration To-date:	Weeks
Duration This Period:	Weeks
Percent Duration Expended:	%

Anticipated Future Payment Requests:

3 Months	6 Months	9 Months	12 Months

Design/Permitting Status

Tasks/Milestones/Deliverables Scheduled for this Reporting Period or Within the Next 60 days:

Task Number	Tasks/Milestones/Deliverables	Start Date	Finish Date	Percent Complete	Projected Finish Date

Problems, Issues, Solutions, Anticipated deviations from schedule:

Attach an additional page of notes if necessary to explain reasons for lateness or unusual events or circumstances.

ATTACHMENT C — DISTRICT'S SUPPLEMENTAL INSTRUCTIONS (sample)
DISTRICT SUPPLEMENTAL INSTRUCTIONS #

DATE:

TO:

FROM: , Project Manager

CONTRACT/PURCHASE ORDER NUMBER:

CONTRACT TITLE:

The Work shall be carried out in accordance with the following supplemental instruction issued in accordance with the Contract Documents without change in the Contract Sum or Contract Time. Prior to proceeding in accordance with these instructions, indicate your acceptance of these instructions for minor changes to the work as consistent with the Contract Documents and return to the District's Project Manager.

1. CONTRACTOR'S SUPPLEMENTAL INSTRUCTIONS:

2. DESCRIPTION OF WORK TO BE CHANGED:

3. DESCRIPTION OF SUPPLEMENTAL INSTRUCTION REQUIREMENTS:

Contractor's approval: (choose one of the items below):

Approved: _____ Date: _____

(It is agreed that these instructions shall not result in a change in the Total Compensation or the Completion Date.)

Approved: _____ Date: _____

(Contractor agrees to implement the Supplemental Instructions as requested, but reserves the right to seek a Change Order in accordance with the requirements of the Agreement.)

Approved: _____ Date: _____
, District Project Manager

Acknowledged: _____ Date: _____
, District Contracts Administrator

cc: Contract/Purchasing file
Financial Management

St. Johns River
Water Management District
Ann B. Shortelle, Ph.D., Executive Director

4049 Reid Street • P.O. Box 1429 • Palatka, FL 32178-1429 • (386) 329-4500
On the Internet at floridaswater.com.

July 15, 2016

City of Cocoa
Laura Rankin, Stormwater Engineer
155 N. Wilson Avenue
Cocoa, FL 32922

RE: FY 2016-17 Districtwide Cost-Share Program

Dear Ms. Rankin:

On June 14, 2016, the Governing Board of the St. Johns River Water Management District (District) approved the ranking of project applications for the District's fiscal year (FY) 2016-2017 Districtwide Cost-Share Program. I am pleased to let you know that your projects, Cocoa Factory Street Stormwater Retrofit and Cocoa Church Street Stormwater Retrofit, are among those approved.

District staff are currently preparing a draft statement of work based on your proposal and in the near future will be sending it to you for your review and input. As you complete your statement of work, please ensure the milestones and completion dates you are committing to are realistic. Our goal is to have all contracts signed and executed on October 1, 2016 (the beginning of our Fiscal Year).

The direction of our Governing Board is to promptly contract with our cooperators and provide assistance to get these beneficial projects constructed in a timely manner.

Congratulations, I look forward to the successful completion of your project and a partnership that will benefit our water resources.

Sincerely,

Karl E. Hankin, P.E., Director
Division of Projects

GOVERNING BOARD

John A. Miklos, CHAIRMAN, ORLANDO
Fred N. Roberts Jr., VICE CHAIRMAN, OCALA
Chuck Drake, SECRETARY, ORLANDO
Carla Yetter, TREASURER, FERNANDINA BEACH
Douglas C. Bournique, VERO BEACH
Douglas Burnett, ST. AUGUSTINE
Maryam H. Ghyabi, ORMOND BEACH
Ron Howse, COCOA
George W. Robbins, JACKSONVILLE

COCOA
FLORIDA

GRANT APPLICATION SUBMITTAL FORM
SECTION I

DEPARTMENT: Public Works	**DIVISION:** Stormwater
POINT OF CONTACT: Ed Wegerif	**PROJECT MANAGER:** Laura Rankin
NAME OF GRANT: St Johns River Water Management District Cost-share Funding	
CFDA#/CFSA#:	**DATE DEPT. RECEIVED RFP:** 03/27/2016
AMOUNT REQUESTED: $ $66,000	**GRANT DUE DATE:** April 22, 2016
PROJECT DESCRIPTION: This will be a new stormwater management facility which will provide stormwater treatment to the Diamond Square Redevelopment Area, which is currently untreated runoff. The Emma Jewel stormwater project proposed under this grant will allow the City to encourage development and revenue generation in an economically depressed area in the Diamond Square Redevelopment Area by providing off-site stormwater management.	
COUNCIL REQUIRED: YES	**TARGET DATE TO COUNCIL:** April 12, 2016
MATCH REQUIRED: ~~NO~~ yes – **(IF YES, HOW MUCH :) $** 133,000	**MATCH BUDGETED:** ~~n/a~~ in proposed CIP budget
REIMBURSEMENT GRANT: YES	**SCHEDULE FOR REIMBURSEMENT:** FY 2017 – after project completion
Expense Account Number(s) to be used: 423-3570-538.63-00	
WHAT ARE THE REPORTING REQUIREMENTS? Application requires project description, project benefits, a description on how this project relates to the larger goals of the City of Cocoa, as well as the reduction amount of nitrogen and phosphorus in the stormwater runoff reaching the receiving water bodies.	
FUTURE REQUIREMENTS TO CONSIDER: Project readiness in FY 2017 as well as the project being completed within 2 years of construction start date.	
IS THE DEPARTMENT PREPARED TO APPLY: YES	
EXPLAIN: Applicants are given a higher score by the Water Management District when the project is ready for construction and/or permitted by June 2017.	

Please submit a copy of the grant / request for proposal with this form to the Grants Administrator after the Department Director has signed it.

SECTION II
REQUIRED IF GRANT EXCEEDS $1,000

APPLICATION APPROVALS:

Department Director — Date: 4-4-16

Grants Administrator — Date: 4/4/16

Deputy Finance Director — Date: 4/4/16

~~Finance Director~~ Acting Finance Director — Date: 4/14/16

City Manager — Date: 4/4/16

SECTION III

COMMENTS / CONCERNS OR SPECIAL NOTES:

COCOA
FLORIDA

GRANT APPLICATION SUBMITTAL FORM
SECTION I

DEPARTMENT: Public Works	**DIVISION:** Stormwater
POINT OF CONTACT: Ed Wegerif	**PROJECT MANAGER:** Laura Rankin
NAME OF GRANT: St Johns River Water Management District Cost-share Funding	
CFDA#/CFSA#:	**DATE DEPT. RECEIVED RFP:** 03/27/2016
AMOUNT REQUESTED: $ $66,000	**GRANT DUE DATE:** April 22, 2016
PROJECT DESCRIPTION: The Church Street Baffle Box will provide nutrient reduction to an estimated 80 acres of untreated stormwater drains into the Indian River Lagoon. Installing the Baffle Box will improve water quality by removing nutrients and sediment that will further the City's compliance with mandated water quality improvement regulations such as the City's Total Maximum Daily Load reduction and the City's National Pollution Discharge Elimination System permit.	
COUNCIL REQUIRED: YES	**TARGET DATE TO COUNCIL:** April 12, 2016
MATCH REQUIRED: ~~NO~~ YES – **(IF YES, HOW MUCH :) $** 144,000	**MATCH BUDGETED:** in proposed CIP budget
REIMBURSEMENT GRANT: YES	**SCHEDULE FOR REIMBURSEMENT:** FY 2017 – after project completion
Expense Account Number(s) to be used: 423-3570-538.63-00	
WHAT ARE THE REPORTING REQUIREMENTS? Application requires project description, project benefits, a description on how this project relates to the larger goals of the City of Cocoa, as well as the reduction amount of nitrogen and phosphorus in the stormwater runoff reaching the receiving water bodies.	
FUTURE REQUIREMENTS TO CONSIDER: Project readiness in FY 2017 as well as the project being completed within 2 years of construction start date.	
IS THE DEPARTMENT PREPARED TO APPLY: YES	
EXPLAIN: Applicants are given a higher score by the Water Management District when the project is ready for construction and/or permitted by June 2017.	

Please submit a copy of the grant / request for proposal with this form to the Grants Administrator after the Department Director has signed it.

SECTION II
REQUIRED IF GRANT EXCEEDS $1,000

APPLICATION APPROVALS:

Department Director	Date 4-4-16
Grants Administrator	Date 4/4/16
Deputy Finance Director	Date 4/4/16
Finance Director (Acting)	Date 4/4/16
City Manager	Date 4/4/16

SECTION III

COMMENTS / CONCERNS OR SPECIAL NOTES:

COCOA
FLORIDA

GRANT APPLICATION SUBMITTAL FORM
SECTION I

DEPARTMENT: Public Works	**DIVISION:** Stormwater
POINT OF CONTACT: Ed Wegerif	**PROJECT MANAGER:** Laura Rankin
NAME OF GRANT: St Johns River Water Management District Cost-share Funding	
CFDA#/CFSA#:	**DATE DEPT. RECEIVED RFP:** 03/27/2016
AMOUNT REQUESTED: $ $79,200	**GRANT DUE DATE:** April 22, 2016
PROJECT DESCRIPTION: AT&T stormwater retrofit project (also known as the Factory Street Stormwater Improvement project). Approximately 12 acres of currently untreated stormwater will be draining to the new dry detention pond. This project is also considered a water quality improvement project as it will remove nutrients and sediment. Additionally, this project will further the City's compliance with mandated water quality improvement regulations such as the City's Total Maximum Daily Load reduction and the City's National Pollution Discharge Elimination System permit.	
COUNCIL REQUIRED: YES	**TARGET DATE TO COUNCIL:** April 12, 2016
MATCH REQUIRED: ~~NO~~ yes- **(IF YES, HOW MUCH :) $** 160,800	**MATCH BUDGETED:** YES
REIMBURSEMENT GRANT: YES	**SCHEDULE FOR REIMBURSEMENT:** FY 2017 – after project completion
Expense Account Number(s) to be used: 423-3570-538.63-00	
WHAT ARE THE REPORTING REQUIREMENTS? Application requires project description, project benefits, a description on how this project relates to the larger goals of the City of Cocoa, as well as the reduction amount of nitrogen and phosphorus in the stormwater runoff reaching the receiving water bodies.	
FUTURE REQUIREMENTS TO CONSIDER: Project readiness in FY 2017 as well as the project being completed within 2 years of construction start date.	
IS THE DEPARTMENT PREPARED TO APPLY: YES	
EXPLAIN: Applicants are given a higher score by the Water Management District when the project is ready for construction and/or permitted by June 2017.	

Please submit a copy of the grant / request for proposal with this form to the Grants Administrator after the Department Director has signed it.

SECTION II
REQUIRED IF GRANT EXCEEDS $1,000

APPLICATION APPROVALS:

Department Director — Date: 4-4-16

Grants Administrator — Date: 4/4/16

Deputy Finance Director — Date: 4/4/16

Finance Director (Acting) — Date: 4/4/16

City Manager — Date: 4/4/16

SECTION III

COMMENTS / CONCERNS OR SPECIAL NOTES:

COCOA
FLORIDA

GRANT APPLICATION SUBMITTAL FORM
SECTION I

DEPARTMENT: Public Works	**DIVISION:** Stormwater
POINT OF CONTACT: Ed Wegerif	**PROJECT MANAGER:** Laura Rankin
NAME OF GRANT: St Johns River Water Management District Cost-share Funding	
CFDA#/CFSA#:	**DATE DEPT. RECEIVED RFP:** 03/27/2016
AMOUNT REQUESTED: $ $43,312.50	**GRANT DUE DATE:** April 22, 2016
PROJECT DESCRIPTION: The City of Cocoa is applying for cost-share funding is for the Low Impact Development aspect of the Florida Avenue Improvement Project, which is the pervious pavers for the pedestrian area and parallel parking areas. This project will reduce the heat island effect and is also considered a water quality improvement project as it will remove nutrients and sediment. Additionally, this project will further the City's compliance with mandated water quality improvement regulations such as the City's Total Maximum Daily Load reduction and the City's National Pollution Discharge Elimination System permit.	
COUNCIL REQUIRED: YES	**TARGET DATE TO COUNCIL:** April 12, 2016
MATCH REQUIRED: ~~NO~~ yes – **(IF YES, HOW MUCH :) $** $87,937.50	**MATCH BUDGETED:** YES
REIMBURSEMENT GRANT: YES	**SCHEDULE FOR REIMBURSEMENT:** FY 2017 – after project completion
Expense Account Number(s) to be used: 423-3570-538.63-00	
WHAT ARE THE REPORTING REQUIREMENTS? Application requires project description, project benefits, a description on how this project relates to the larger goals of the City of Cocoa, as well as the reduction amount of nitrogen and phosphorus in the stormwater runoff reaching the receiving water bodies.	
FUTURE REQUIREMENTS TO CONSIDER: Project readiness in FY 2017 as well as the project being completed within 2 years of construction start date.	
IS THE DEPARTMENT PREPARED TO APPLY: YES	
EXPLAIN: Applicants are given a higher score by the Water Management District when the project is ready for construction and/or permitted by June 2017.	

Please submit a copy of the grant / request for proposal with this form to the Grants Administrator after the Department Director has signed it.

SECTION II
REQUIRED IF GRANT EXCEEDS $1,000

APPLICATION APPROVALS:

Ernest Wagner 4-4-16
Department Director Date

4/4/16
Grants Administrator Date

Li Howell 4/4/16
Deputy Finance Director Date

Li Howell 4/4/16
Finance Director (Acting) Date

4/4/16
City Manager Date

SECTION III

COMMENTS / CONCERNS OR SPECIAL NOTES:

Legislation Details (With Text)

File #:	16-331	**Version:**	1	**Name:**	
Type:	Informational Item			**Status:**	Agenda Ready
File created:	7/27/2016			**In control:**	City Council
On agenda:	8/23/2016			**Final action:**	
Title:	Cocoa Police Department District Event statistics for Council Information. (Chief of Police)				
Sponsors:					
Indexes:					
Code sections:					
Attachments:	June 2016 Council Report by District .pdf				

Date	Ver.	Action By	Action	Result

CITY COUNCIL AGENDA ITEM

Memo Date: July 27, 2016
Agenda Date: August 23, 2016
Prepared By: Charlene Jenkins, Administrative Secretary
Through: Michael Cantaloupe, Chief of Police
Requested Action:
Cocoa Police Department District Event statistics for Council Information

BACKGROUND:

Council requested a monthly breakdown of event statistics by District. This report illustrates total incidents, reports written, and Patrol checks. It also shows incidents and case reports by shift, hour of the day and the total crimes that are Uniform Crime reportable. Attached is the June 2016 report.

STRATEGIC PLAN CONNECTION:

Crime

BUDGETARY IMPACT:

None

PREVIOUS ACTION:

None

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RECOMMENDED MOTION:

Cocoa Police Department District Event statistics for Council Information

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Cocoa Police Department
Council Report

June 2016

Prepared by Dailaity Henson

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Total UCR Offenses by Month - 2016, 2015, & 2014 12

Source: Aegis MSP (Law Enforcement Records), Aegis MSP (CAD)
Originator: Dalaity Henson, Law Enforcement Analyst

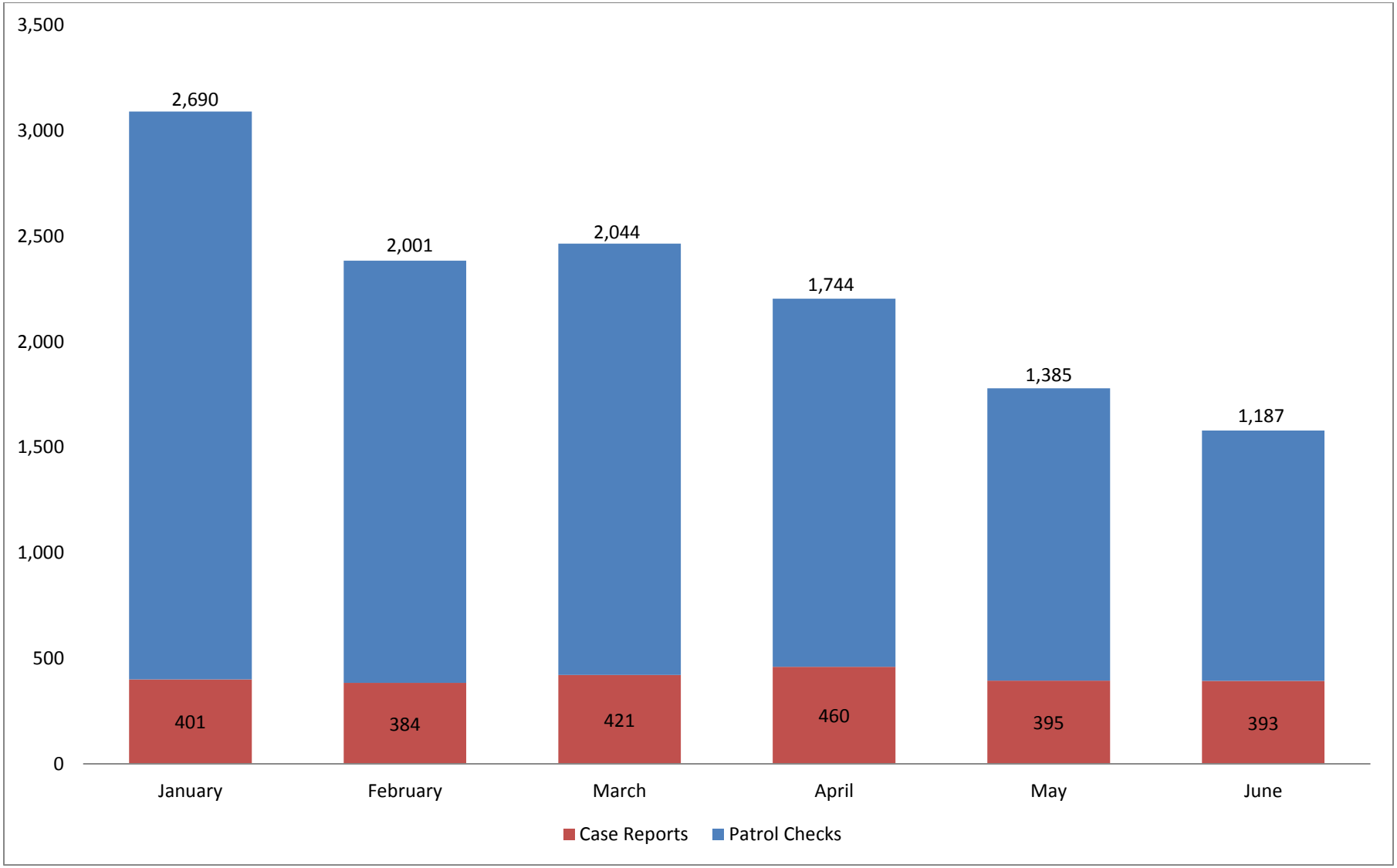
Findings Summary

The purpose of this report is to provide Council with an overview of incidents and case reports for June 2016. This report includes a line graph illustrating the total number of UCR Offenses by month for years 2014, 2015, and 2016.

- 3,153 incidents
- 393 Case Reports (12% of incidents)
  - 212 Criminal Case Reports (54% of all case reports)
  - 181 Non-Criminal Case Reports (46% of case reports)
  - 76 Criminal Case Reports were closed by Arrests/Capias Requests (35% of criminal case reports)
  - 15 Non-Criminal Case Reports were closed by Arrests/Capias Request (8% of non-criminal cases reports)
- 2,112 incidents were initiated by police officers (67%)
- District 1 experienced the most cases with a total of 136
- District 3 experienced the fewest cases with a total of 49
- Sex Offenses have ***decreased*** by a 50% from the previous month
- Burglary Offenses have ***decreased*** by a 5% from the previous month
- Overall, UCR offenses have ***decreased*** from the previous month by an 8%

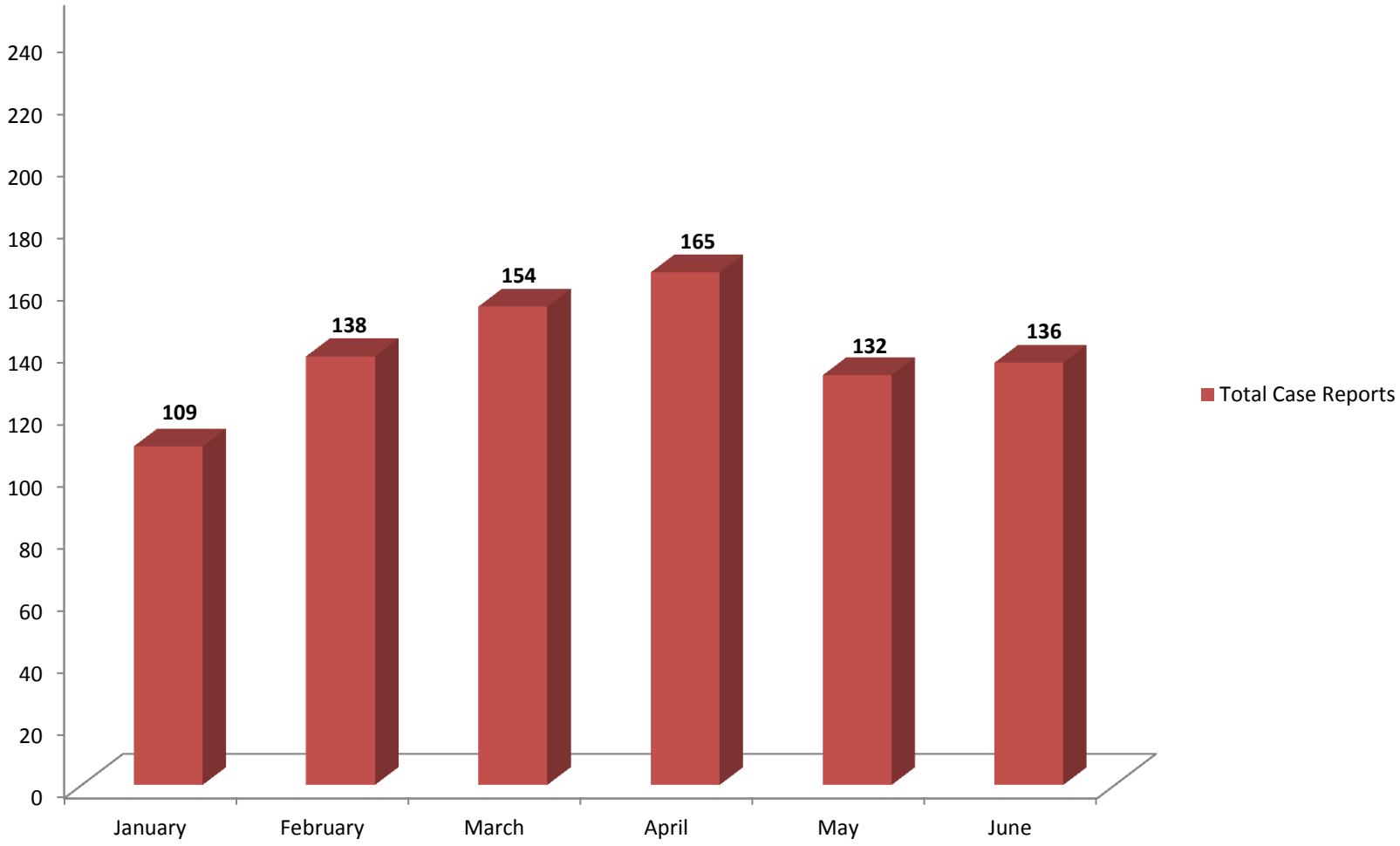
Source: Aegis MSP (Law Enforcement Records), Aegis MSP (CAD)
Originator: Dalaity Henson, Law Enforcement Analyst

Total Patrol Checks and Case Reports for the City of Cocoa



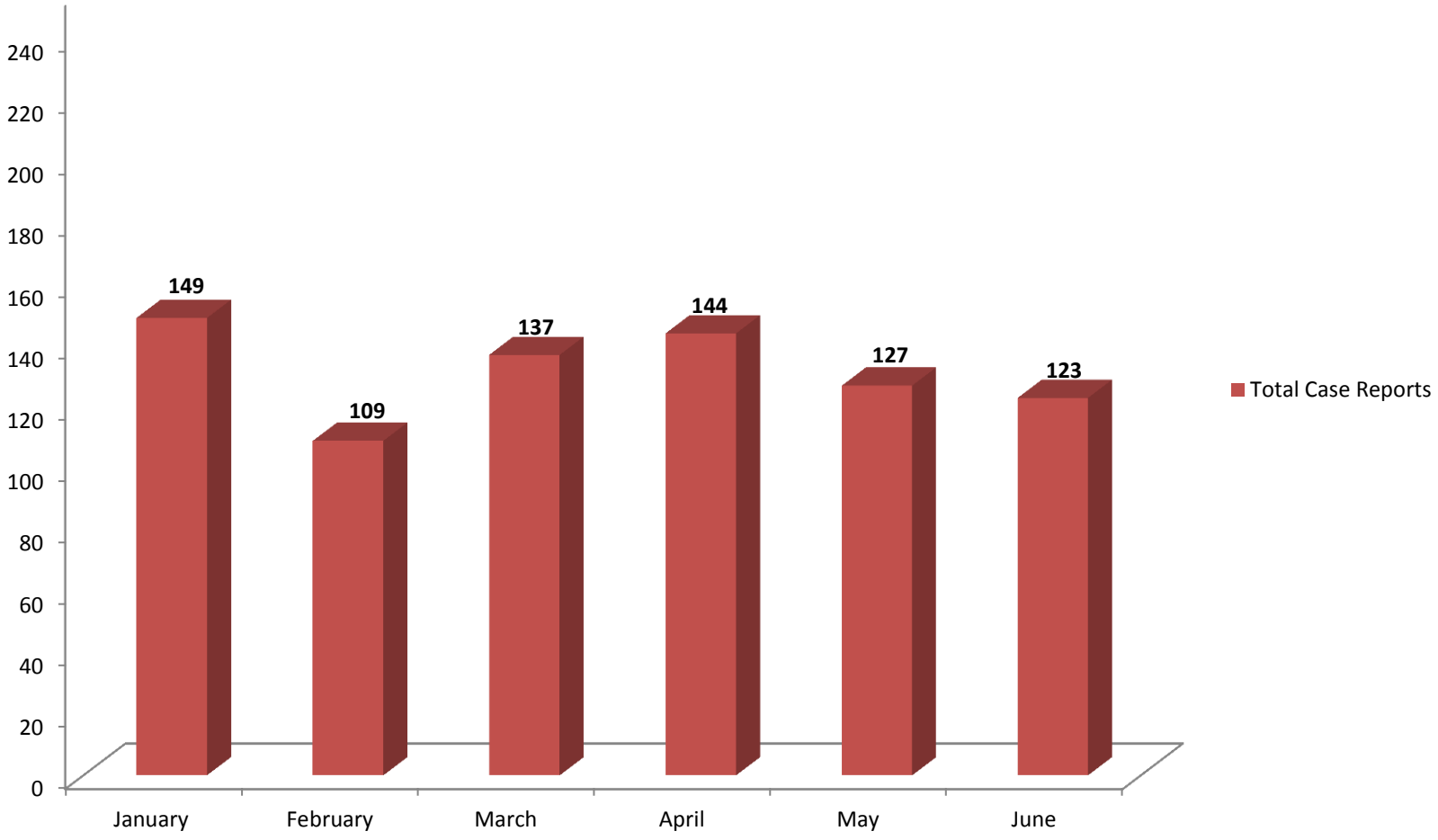
Source: Aegis MSP (Law Enforcement Records), Aegis MSP (CAD)
Originator: Dalaity Henson, Law Enforcement Analyst

District 1 Case Reports



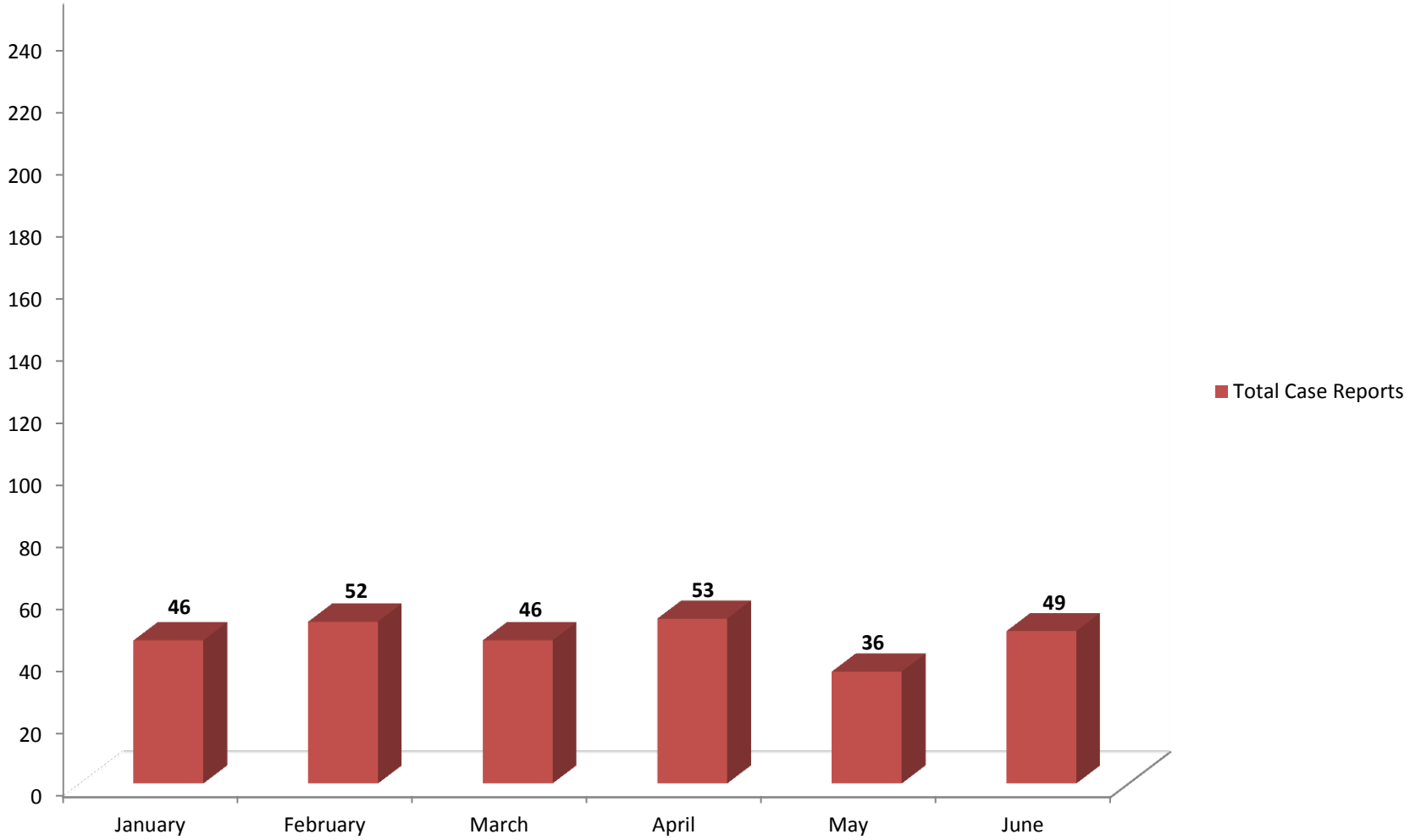
Source: Aegis MSP (Law Enforcement Records), Aegis MSP (CAD)
Originator: Dalaity Henson, Law Enforcement Analyst

District 2 Case Reports



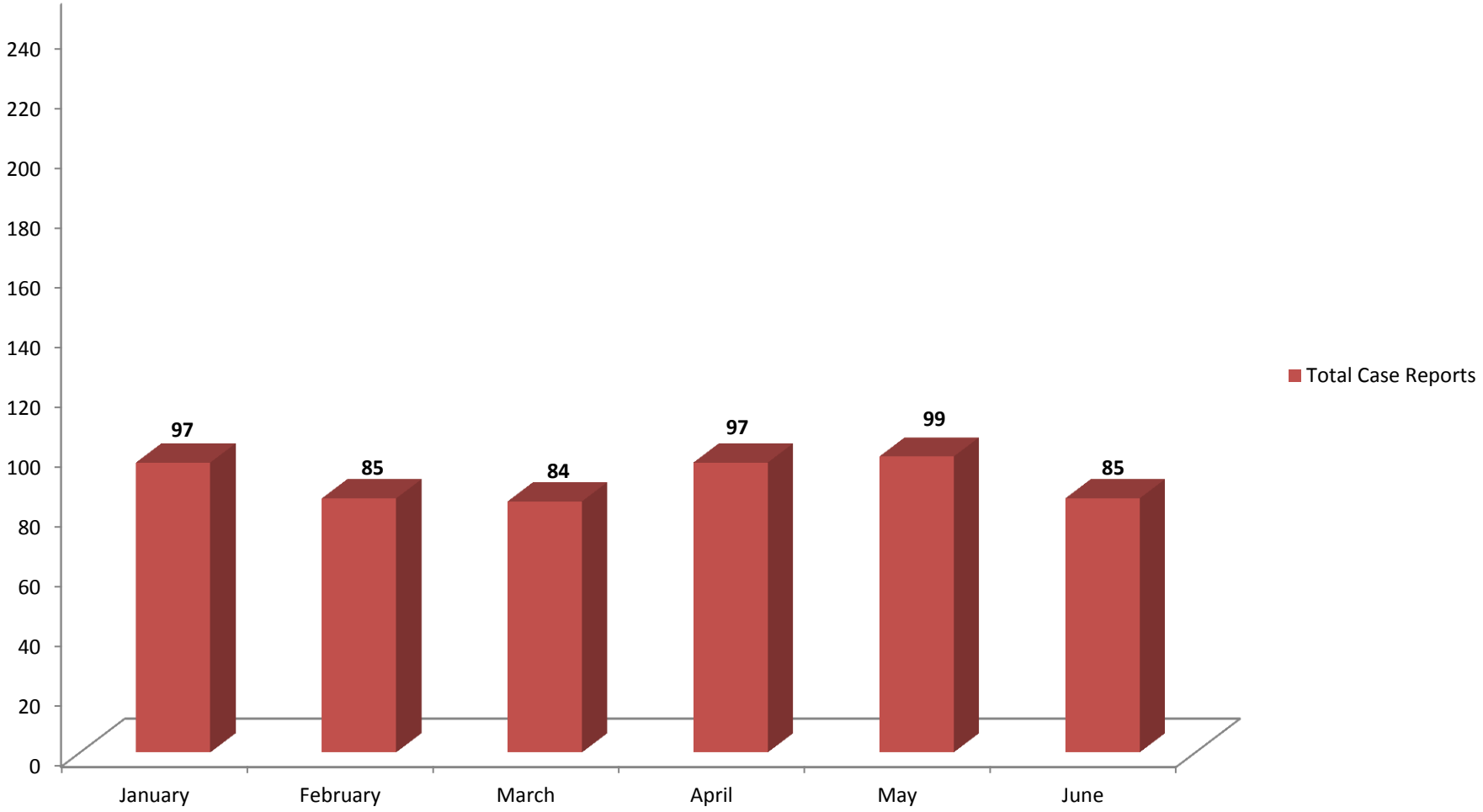
Source: Aegis MSP (Law Enforcement Records), Aegis MSP (CAD)
Originator: Dalaity Henson, Law Enforcement Analyst

District 3 Case Reports



Source: Aegis MSP (Law Enforcement Records), Aegis MSP (CAD)
Originator: Dalaity Henson, Law Enforcement Analyst

District 4 Case Reports



Source: Aegis MSP (Law Enforcement Records), Aegis MSP (CAD)
Originator: Dalaity Henson, Law Enforcement Analyst

Locations of Incidents

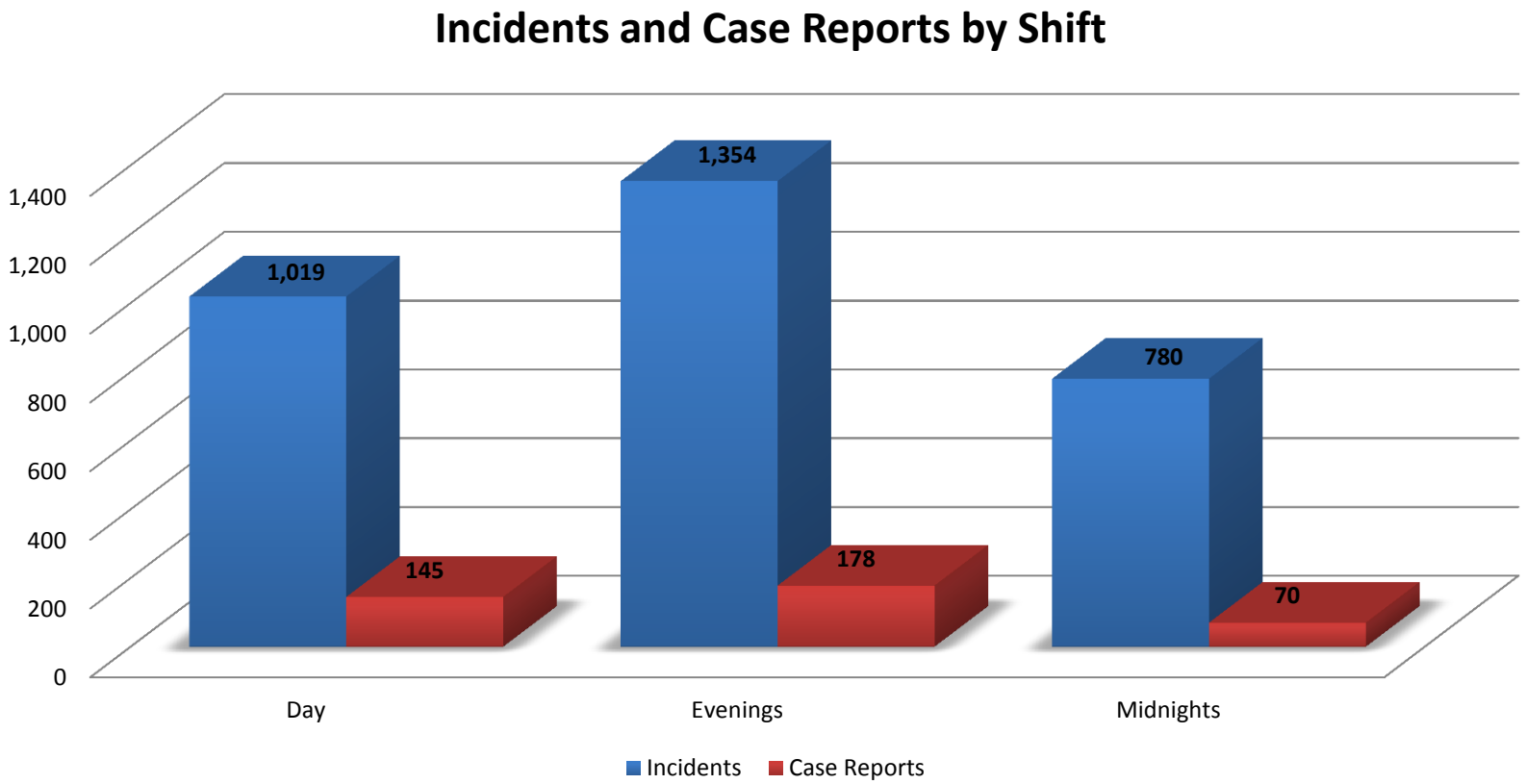
The table below illustrates the total of Incidents and Cases from June 1, 2016 thought June 30, 2016 to the locations listed.

Location	*Incidents* (Excluding Patrol Checks)	*Case Reports*
2700 SR.524	124	8
800 N. Fiske	54	9
1514 Clearlake Rd	46	10
900 Friday Rd	45	4
1080 N. Fiske	38	5
1010 N. Fiske Blvd	36	1
1407 Dixon Blvd	28	12
1524 Clearlake Rd	12	3
TOTAL	**383**	**52**

Source: Aegis MSP (Law Enforcement Records), Aegis MSP (CAD)
Originator: Dalaity Henson, Law Enforcement Analyst

Incidents and Case Reports by Shift

The chart below illustrates incidents and cases reported by shifts. For the purpose of this report, the shifts were broken down into day shift, evening shift and midnight shift. Midnight shift experienced the lowest number of incidents and cases. Evening shift experienced the highest number of incidents and cases.



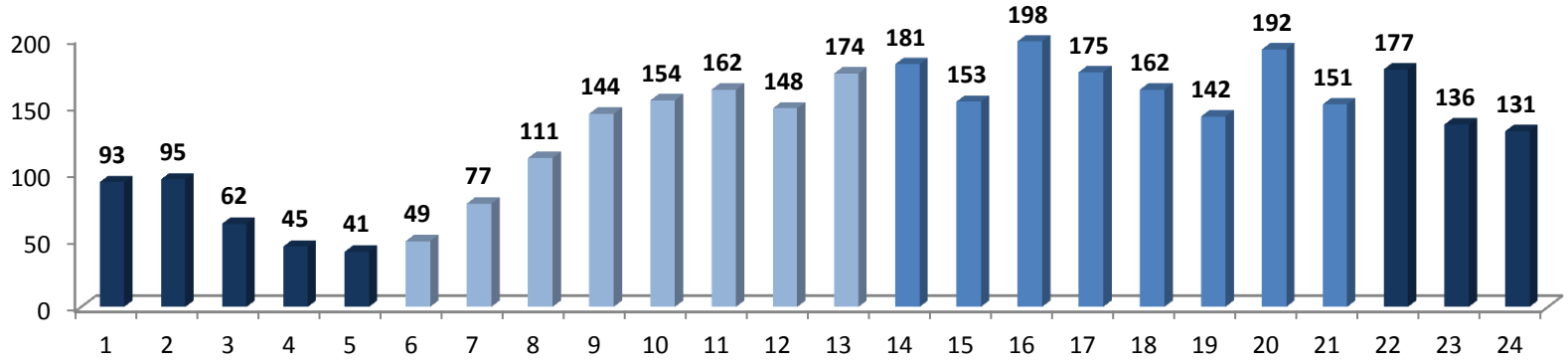
NOTE: The totals in the graph above do not include Patrol Checks.

Source: Aegis MSP (Law Enforcement Records), Aegis MSP (CAD)
Originator: Dalaity Henson, Law Enforcement Analyst

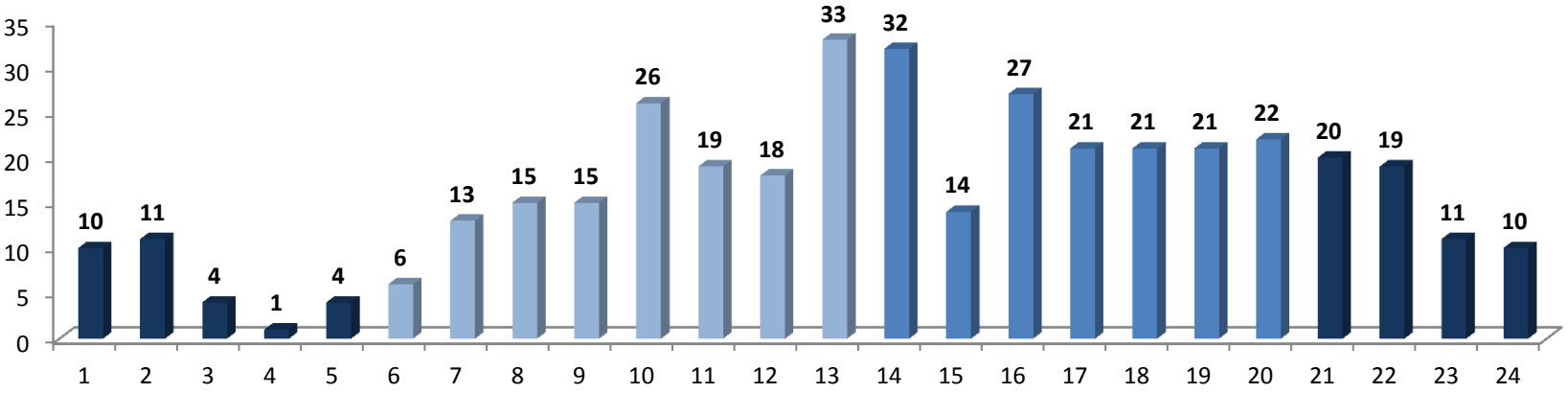
Incidents and Case Reports by Hour

Note: The charts below illustrates incidents broken down by time of day.

Incidents by Hour

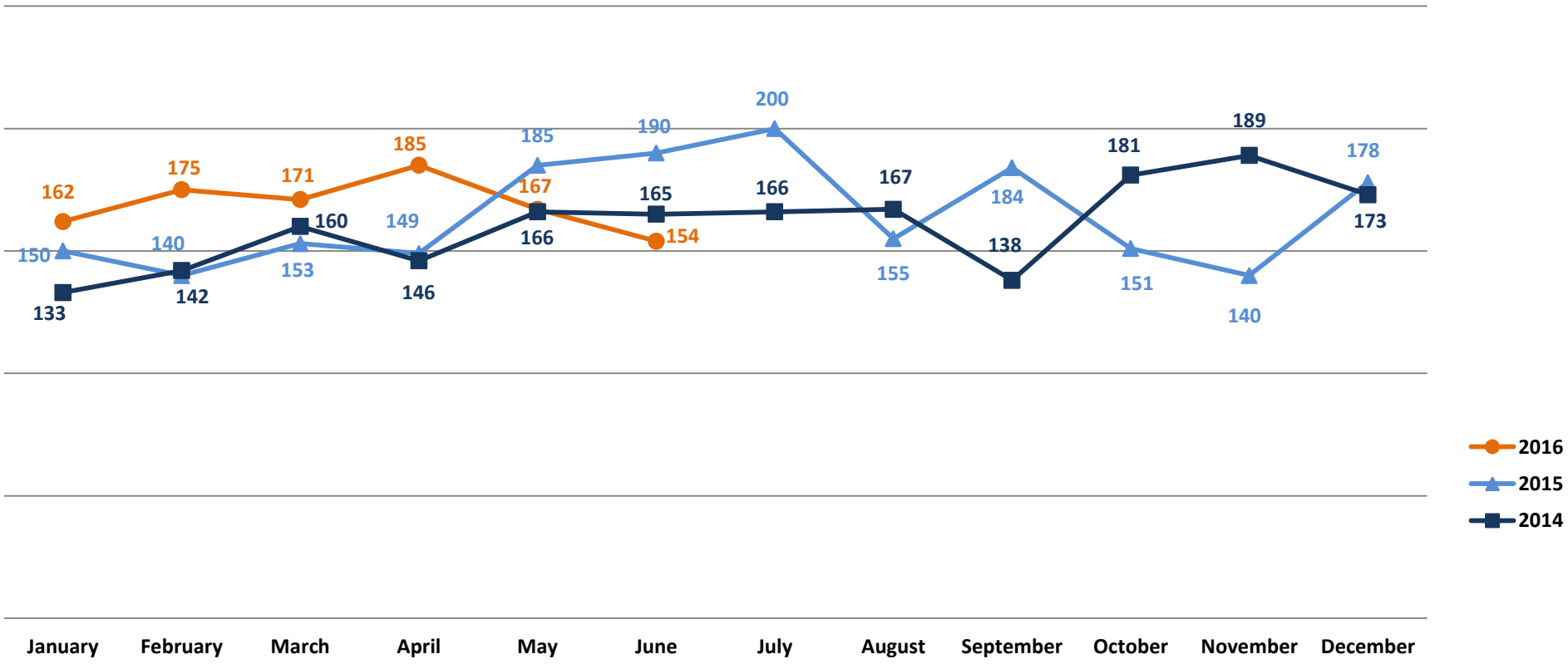


Case Reports by Hour



Source: Aegis MSP (Law Enforcement Records), Aegis MSP (CAD)
Originator: Dalaity Henson, Law Enforcement Analyst

Total UCR Offenses by Month - 2016, 2015, & 2014



Source: Aegis MSP (Law Enforcement Records), Aegis MSP (CAD)
Originator: Dalaity Henson, Law Enforcement Analyst

Legislation Details (With Text)

File #:	16-333	**Version:**	1	**Name:**	July, 2016 Monthly Purchasing Approval Information
Type:	Informational Item			**Status:**	Agenda Ready
File created:	8/1/2016			**In control:**	City Council
On agenda:	8/23/2016			**Final action:**	
Title:	Council request to review the cumulative purchase approvals over $25,000 and under $50,000 for period 10/01/2015 to 07/31/2016. (Finance Director)				
Sponsors:					
Indexes:					
Code sections:					
Attachments:	PO Monthly Report to City Council 10.01.15 thru 07.31.16.pdf				

Date	Ver.	Action By	Action	Result

CITY COUNCIL AGENDA ITEM

Memo Date:	August 1, 2016
Agenda Date:	August 23, 2016
Prepared By:	Sonja D. Hamilton-Suarez, Purchasing/Contract Manager
Through:	Teri Butler, CGFO, Finance Director

Requested Action:
Council request to review the cumulative purchase approvals over $25,000 and under $50,000 for period 10/01/2015 to 07/31/2016**.**

BACKGROUND:

The following reports for the period October 01, 2015 through July 31, 2016 provide a summary of all the purchases $25,000 and over up to $50,000.

1. Purchases approved by the City Manager or designee.

2. Purchases approved by the CRA Board.

3. Purchases approved by the City Council.

These reports are date/time driven and any differences between the summary and detailed information is a timing issue.

RECOMMENDED MOTION:

None. Information only.

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Purchase Order Approvals 10-01-15 thru 07-31-16

$25,000 TO $50,000 Recap Sheet

Total Purchase Orders Issued = 100

City Manager = 58

City of Cocoa CRA Board = 5

City Council = 37

Purchase Order Approvals 10-01-15 thru 07-31-16
$25,000 to $50,000 By City Manager

PO #	PO Date	Vendor	PO Amount	Approval Date	By Whom
66675	10/5/2015	Pace Analytical Services, Inc.	$ 28,000.00	10/2/2015	John A. Titkanich, Jr. AICP
66740	10/6/2015	Cutwater Asset Management Corp.	$ 37,500.00	10/5/2015	Micki Abdi (Acting)
66746	10/6/2015	Brevard County Board of County Comm.	$ 30,000.00	10/5/2015	Micki Abdi (Acting)
66760	10/6/2015	Garganese, Weiss & D'Agresta	$ 35,000.00	10/5/2015	Micki Abdi (Acting)
66797	10/7/2015	Ricoh USA, Inc.	$ 46,000.00	10/6/2015	John A. Titkanich, Jr. AICP
66902	10/9/2015	MCCI, LLC	$ 49,733.14	10/9/2015	Micki Abdi (Acting)
66964	10/15/2015	Iwater, Inc.	$ 32,000.00	10/14/2015	John A. Titkanich, Jr. AICP
66970	10/15/2015	Cemex	$ 25,000.00	10/14/2015	John A. Titkanich, Jr. AICP
66975	10/15/2015	Sunstate Meter & Supply Inc.	$ 27,224.00	10/14/2015	John A. Titkanich, Jr. AICP
66997	10/19/2015	Trane Orlando Company	$ 46,508.00	10/17/2015	John A. Titkanich, Jr. AICP
67041	10/22/2015	Quentin L. Hampton Assoc.	$ 30,281.00	10/21/2015	John A. Titkanich, Jr. AICP
67043	10/22/2015	Insource Software Solutions	$ 36,728.10	10/21/2015	John A. Titkanich, Jr. AICP
67044	10/22/2015	Brev Cty Emergency Management	$ 27,771.00	10/21/2015	John A. Titkanich, Jr. AICP
67061	10/22/2015	Architects RKZ, Inc.	$ 37,856.08	10/21/2015	John A. Titkanich, Jr. AICP
67062	10/22/2015	Industrial Chemicals Inc.	$ 27,680.00	10/21/2015	John A. Titkanich, Jr. AICP
67070	10/23/2015	Ring Power Corporation	$ 42,973.00	10/22/2015	John A. Titkanich, Jr. AICP
67077	10/26/2015	Air Liquid Industrial	$ 37,814.00	10/23/2015	John A. Titkanich, Jr. AICP
67113	10/29/2015	CDM Smith Inc.	$ 29,813.00	10/28/2015	John A. Titkanich, Jr. AICP
67152	11/5/2015	CDM Smith Inc.	$ 39,000.00	11/4/2015	Micki Abdi (Acting)
67182	11/9/2015	G4S Secure Solutions	$ 40,415.00	11/6/2015	John A. Titkanich, Jr. AICP
67183	11/9/2015	Cathedral Corporation	$ 30,000.00	11/6/2015	John A. Titkanich, Jr. AICP
67184	11/9/2015	Underwater Solutions, Inc.	$ 37,890.00	11/6/2015	John A. Titkanich, Jr. AICP
67185	11/9/2015	Garganese, Weiss & D'Agresta	$ 49,500.00	11/6/2015	John A. Titkanich, Jr. AICP
67221	11/16/2015	Parsons Brinckheroff Inc.	$ 30,000.00	11/13/2015	John A. Titkanich, Jr. AICP
67249	11/17/2015	CDM Smith Inc.	$ 30,000.00	11/16/2015	John A. Titkanich, Jr. AICP
67340	11/25/2015	Odyssey Manufacturing Co.	$ 30,560.00	11/24/2015	John A. Titkanich, Jr. AICP
67352	11/25/2015	Trekker Tractor LLC	$ 38,193.25	11/24/2015	John A. Titkanich, Jr. AICP
67396	12/3/2015	Odyssey Manufacturing Co.	$ 29,600.00	12/3/2015	John A. Titkanich, Jr. AICP
67397	12/3/2015	S & L Materials, Inc.	$ 35,000.00	12/3/2015	John A. Titkanich, Jr. AICP
67484	12/16/2015	Bauer Compressors Inc.	$ 45,061.80	12/15/2015	John A. Titkanich, Jr. AICP
67487	12/16/2015	Sunstate Meter & Supply Inc.	$ 43,350.00	12/15/2015	John A. Titkanich, Jr. AICP
67502	12/17/2015	Sunstate Meter & Supply Inc.	$ 41,644.80	12/17/2015	John A. Titkanich, Jr. AICP
67504	12/17/2015	Duval Ford	$ 29,850.00	12/17/2015	John A. Titkanich, Jr. AICP
67553	12/28/2015	FL Division of Workers Comp.	$ 27,318.63	12/28/2015	John A. Titkanich, Jr. AICP
67580	1/4/2016	CDM Smith Inc.	$ 49,250.00	12/30/2015	John A. Titkanich, Jr. AICP
67626	1/13/2016	Quentin L. Hampton Assoc.	$ 25,205.00	1/13/2016	John A. Titkanich, Jr. AICP
67713	2/3/2016	Empire Computing & Consulting	$ 30,000.00	2/3/2016	John A. Titkanich, Jr. AICP
67757	2/12/2016	Pro Co., Inc.	$ 32,131.00	2/11/2016	John A. Titkanich, Jr. AICP
67759	2/12/2016	Stewarts Electric Motor Works	$ 49,564.90	2/11/2016	John A. Titkanich, Jr. AICP
67785	2/19/2016	Cardno, Inc.	$ 27,525.00	2/19/2016	John A. Titkanich, Jr. AICP
68714	2/25/2016	Architects RZK, Inc.	$ 38,445.65	2/25/2016	John A. Titkanich, Jr. AICP
67868	3/8/2016	Sunstate Meter & Supply Inc.	$ 31,678.40	3/4/2016	John A. Titkanich, Jr. AICP
67900	3/14/2016	Sunstate Meter & Supply Inc.	$ 27,191.20	3/14/2016	John A. Titkanich, Jr. AICP
67934	3/17/2016	Burton & Associates	$ 28,475.00	3/17/2016	John A. Titkanich, Jr. AICP
67936	3/17/2016	Burton & Associates	$ 26,160.00	3/17/2016	John A. Titkanich, Jr. AICP
67948	3/22/2016	Endeavour Elementary School	$ 40,000.00	3/21/2016	John A. Titkanich, Jr. AICP
67950	3/22/2016	Burton & Associates	$ 34,840.00	3/22/2016	John A. Titkanich, Jr. AICP
68061	4/13/2016	Atlantic Development	$ 40,358.13	4/13/2016	John A. Titkanich, Jr. AICP
68082	4/18/2016	Cardno, Inc.	$ 32,250.00	4/15/2016	John A. Titkanich, Jr. AICP
68117	4/25/2016	Cardno, Inc.	$ 25,700.00	4/25/2016	John A. Titkanich, Jr. AICP
68213	5/16/2016	CDW Government	$ 35,945.06	5/13/2016	John A. Titkanich, Jr. AICP
68281	5/26/2016	SDV Services	$ 34,900.00	5/25/2016	John A. Titkanich, Jr. AICP

Purchase Order Approvals 10-01-15 thru 07-31-16
$25,000 to $50,000 By City Manager (Continued)

PO #	PO Date	Vendor	PO Amount	Approval Date	By Whom
68282	5/26/2016	CDM Smith Inc.	$ 25,000.00	5/25/2016	John A. Titkanich, Jr. AICP
68292	5/31/2016	Coggin Ford	$ 27,305.90	5/27/2016	John A. Titkanich, Jr. AICP
68318	6/1/2016	Bussen Mayer Engineering	$ 44,860.00	5/31/2016	John A. Titkanich, Jr. AICP
68387	6/15/2016	CDW Government	$ 49,915.52	6/14/2016	John A. Titkanich, Jr. AICP
68520	7/25/2016	Barney's Pumps	$ 49,420.00	7/22/2016	John A. Titkanich, Jr. AICP
68559	7/29/2016	CH2M Hill	$ 48,038.22	7/29/2016	John A. Titkanich, Jr. AICP

58 Purchase Order Approved by City Manager

Purchase Order Approvals 10-01-15 thru 07-31-16
$25,000 to $50,000 By CRA Board

PO #	PO Date	Vendor	PO Amount	Approval Date	By Whom
67362	11/30/2015	Cocoa Main Street	$ 25,000.00	11/3/2015	COCOA
67465	12/14/2015	Infrastructure Solution Service	$ 33,841.00	2/3/2015	COCOA
67466	12/14/2015	Quentin L. Hampton Assoc.	$ 41,242.91	7/7/2015	COCOA
67497	12/16/2015	Alliance for Neighborhood	$ 25,000.00	12/14/2015	COCOA
68135	4/28/2016	Infrastructure Solution Service	$ 40,000.00	4/18/2016	DIAMOND SQUARE

5 Purchase Order Approved by CRA

Prepared by Purchasing 8/1/2016

Purchase Order Approvals 10-01-15 thru 07-31-16
$25,000 to $50,000 By City Council

PO #	PO Date	Vendor	PO Amount	Approval Date	By Whom
66741	10/6/2015	Carr Riggs & Ingram, LLC	$ 43,500.00	4/24/2012	City Council
66742	10/6/2015	Carr Riggs & Ingram, LLC	$ 43,500.00	4/24/2012	City Council
66907	10/12/2015	H&H Liquid Sludge Disposal, Inc.	$ 40,000.00	9/22/2015	City Council
66913	10/12/2015	ESRI Environmental Systems, Inc.	$ 27,275.00	9/9/2014	City Council
66914	10/12/2015	Glover Oil Company Inc.	$ 26,523.00	7/8/2014	City Council
66956	10/15/2015	Verizon Wireless	$ 42,720.00	7/24/2012	City Council
67042	10/22/2015	Glover Oil Company Inc.	$ 49,000.00	7/8/2014	City Council
67049	10/22/2015	Florida Power & Light	$ 30,000.00	10/13/2015	City Council
67051	10/22/2015	Florida Power & Light	$ 50,000.00	10/13/2015	City Council
67057	10/22/2015	Water Resource Associates	$ 49,500.00	3/24/2015	City Council
67058	10/22/2015	Glover Oil Company Inc.	$ 25,964.00	7/8/2014	City Council
67060	10/22/2015	Lisa Cullen Tax Collector	$ 41,200.00	10/21/2015	City Council
67064	10/22/2015	Brandes Design-Build, Inc.	$ 26,895.00	10/13/2015	City Council
67079	10/26/2015	Glover Oil Company Inc.	$ 28,175.06	7/8/2014	City Council
67237	11/16/2015	United Self Insured Services	$ 50,000.00	9/8/2015	City Council
67264	11/18/2015	CH2M Hill Engineers, Inc.	$ 28,240.22	10/14/2014	City Council
67265	11/18/2015	Coggin Ford	$ 46,904.48	11/10/2015	City Council
67267	11/18/2015	Coggin Ford	$ 27,059.94	11/10/2015	City Council
67269	11/18/2015	Coggin Ford	$ 28,386.97	11/10/2015	City Council
67317	11/23/2015	Coggin Ford	$ 27,296.91	11/23/2015	City Council
67341	11/25/2015	Don Reid Ford Inc.	$ 25,506.00	11/10/2015	City Council
67342	11/25/2015	Don Reid Ford Inc.	$ 25,506.00	11/10/2015	City Council
67343	11/25/2015	Coggin Ford	$ 27,059.94	11/10/2015	City Council
67351	11/25/2015	Coggin Ford	$ 40,950.54	11/10/2015	City Council
67353	11/25/2015	CH2M Hill Engineers, Inc.	$ 38,151.51	5/27/2014	City Council
67398	12/3/2015	Villages Construction Inc.	$ 37,009.89	10/13/2015	City Council
67399	12/3/2015	Myra Planning & Design	$ 45,285.65	3/24/2015	City Council
67401	12/3/2015	Bussen Mayer Engineering	$ 45,000.00	6/23/2015	City Council
67526	12/22/2015	CH2M Hill Engineers, Inc.	$ 25,884.84	12/8/2015	City Council
67560	12/28/2015	Glover Oil Company Inc.	$ 36,908.19	7/8/2014	City Council
67668	1/27/2016	Glover Oil Company Inc.	$ 26,201.85	7/8/2014	City Council
67751	2/11/2016	Duval Ford	$ 43,329.00	1/13/2015	City Council
67866	3/8/2016	Florida Bullet Inc.	$ 27,028.66	2/9/2016	City Council
68215	5/16/2016	Glover Oil Company Inc.	$ 40,577.12	7/8/2014	City Council
68337	6/6/2016	Communications Int'l Inc.	$ 28,205.78	4/26/2016	City Council
68365	6/9/2016	Infrastructure Solution Service	$ 40,245.00	5/24/2016	City Council
69417	6/24/2016	Glover Oil Company	$ 33,744.73	7/8/2014	City Council

37 Purchase Order Approved by City Council

Prepared by Purchasing 8/1/2016

Legislation Details (With Text)

File #:	16-340	**Version:**	1	**Name:**	
Type:	Informational Item			**Status:**	Agenda Ready
File created:	8/8/2016			**In control:**	City Council
On agenda:	8/23/2016			**Final action:**	
Title:	In accordance with the Financial Operations Manual (FOM) the City Manager shall submit to City Council in the form of an agenda item any approved change orders to construction contracts that the City Council has authorized the City Manager, by resolution, to approve in excess of the City Manager's spending authority. (Finance Director)				
Sponsors:					
Indexes:					
Code sections:					
Attachments:	Authorized Contingency July 31, 2016.pdf				

Date	Ver.	Action By	Action	Result

CITY COUNCIL AGENDA ITEM

Memo Date: August 8, 2016
Agenda Date: August 23, 2016
Prepared By: Anthony Hagan, Grants Administrator
Through: Teri Butler, CGFO, Finance Director
Requested Action:
In accordance with the Financial Operations Manual (FOM) the City Manager shall submit to City Council in the form of an agenda item any approved change orders to construction contracts that the City Council has authorized the City Manager, by resolution, to approve in excess of the City Manager's spending authority.

BACKGROUND:

The attached spreadsheets reference construction projects with a previously authorized "contingency" as of July 31, 2016. The report provides the project number, project description, construction contract cost of project, contingency amount authorized, date of City Council approval, resolution number for authorization of contingency, requisition numbers, and expenditure by fiscal year.

The second line of each project in the third column under "Construction contract not to exceed $" references the contingency amount that the City Council or City Manager, if within his purchasing authority, has approved. The last line of each project provides the remaining balance as of the report date.

STRATEGIC PLAN CONNECTION:

N/A

BUDGETARY IMPACT:

None

PREVIOUS ACTION:

None

RECOMMENDED MOTION:

Informational Item Only.

Change Orders - CM authorized to execute

applied to contingency | 8/12/2016

Project #	Project Description + Details	Construction contract not to exceed $	Date Approved	Resolution #	Requisition #	Requisition $ by Account #	All Fiscal Years Cumulative	FY16 Cum.	FY2016 Expenditures	FY2015 Expenditures	FY2014 Expenditures	FY2013 Expenditures
WS1409	Sanitary Sewer Manhole and LS Rehab											
Op. Rev.		110,350.00	7/26/16 #16-296	2016-70								
Project Manager:		10,000.00	contingency authorized									
account #	421-4125-536-46-00	100,350.00	exp authorized before contingency				Cumulative	FY16 cum				
	Vendor name PO # Danus Utilities Inc		FY16 PO Issue	FY 2016			-		n/a		n/a	
	Bid No. Co-op Purchasing Agreement				Pending							
	City of Clermont											
		10,000	^contingency balance-->				v					
WS17AF	Utility Privatization											
Op. Rev.		1,531,934.00	7/26/16 #16-298	2016-74								
Project Manager:		283,806.00	contingency authorized									
account #	421-4055-536-63-00	1,248,128.00	exp authorized before contingency				Cumulative	FY16 cum				
	Vendor name PO # CH2M Hill		FY16 PO Issue	FY 2016			-		n/a		n/a	
	Bid No.				Pending							
		283,806	^contingency balance-->				v					
PW08PL	Florida Ave Streetscape											
Op. Rev.		606,870.00	7/26/16 #16-266	2016-85								
Project Manager:		51,536.00	contingency authorized									
account #	423-3570-538-63-00	555,334.00	exp authorized before contingency				Cumulative	FY16 cum				
	Vendor name PO # DP Development		FY16 PO Issue	FY 2016			-		n/a		n/a	
	Bid No. B-16-10-COC				Pending							
		51,536	^contingency balance-->				v					
WS1506	Florida Ave Streetscape											
Op. Rev.		1,909,332.00	7/26/16 #16-266	2016-84								
Project Manager:		312,139.00	contingency authorized									
account #	421-4055-536-63-00	1,597,193.00	exp authorized before contingency				Cumulative	FY16 cum				
	Vendor name PO #Bussen Mayer Engineering		FY16 PO Issue	FY 2016			-		n/a		n/a	
	Bid No. B-16-10-COC				Pending							
		312,139	^contingency balance-->				v					
CD1105	Florida Ave Streetscape											
		1,282,313.00	7/26/16 #16-266	2016-83								
Project Manager:		126,817.00	contingency authorized									
account #	001-3510-541-63-00	1,155,496.00	exp authorized before contingency				Cumulative	FY16 cum				
	Vendor name PO # Quentin 68621		FY16 PO Issue	FY 2016	30876	3,200.00	3,200.00	3,200.00	n/a		n/a	
	Bid No. B-16-10-COC											
		126,817	^contingency balance-->									
WSLS04	Lift Station #4 Improvements											
Op. Rev.		617,870.00	6/14/16 VIII.6 (#16-225)	2016-63								
Project Manager:		56,170.00	contingency authorized									
account #	421-4125-536-63-00	561,700.00	exp authorized before contingency				Cumulative	FY16 cum				
	Vendor name: L7 Construction Inc PO#68449		FY16 PO Issue	FY 2016	30576	561,700.00	561,700.00	561,700.00	$ -		n/a	
	Bid No. B-16-14-COC						561,700.00	561,700.00	$ -		n/a	
		56,170	^contingency balance-->									
PWPAVE	Yearly paving of certain City streets											
Op. Rev.		300,000.00	4/26/2016	2016-39								
Project Manager:		36,755.84	contingency authorized									
account #	001-3510-541-63-00	263,244.16	exp authorized before contingency				Cumulative	FY16 cum				
	Vendor name Good IV TLC P.O. 68188		FY16 PO Issue	FY 2016	30267	263,244.16	263,244.16	263,244.16	$ -		n/a	
	Bid No. B4-15-57											
		36,756	^contingency balance-->									

Project #	Project Description + Details	Construction contract not to exceed $	Date Approved	Resolution #	Requisition #	Requisition $ by Account #	All Fiscal Years Cumulative	FY16 Cum.	FY2016 Expenditures	FY2015 Expenditures	FY2014 Expenditures	FY2013 Expenditures
WS1222	WRF Motor Controls Sellers											
Op. Rev.		2,334,400.20	4/12/2016	2016-37								
Project Manager:		212,218.20	contingency authorized									
account #	421-4120-536-63-00	2,122,182.00	exp authorized before contingency				Cumulative	FY16 cum				
	Vendor name Chinchor Electric Inc PO 68119		FY16 PO Issue	FY 2016	30162	2,122,182.00	2,122,182.00	2,122,182.00	$ -	n/a		
	B-16-05-COC											
		212,218	^contingency balance-->									
CP11FS	Fleet Garage Addition											
Op. Rev.		275,900.00	4/12/2016	2016-25								
Project Manager:		10,000.00	contingency authorized									
account #	001-3580-519-62-00	265,900.00	exp authorized before contingency				Cumulative	FY16 cum				
	Vendor name PARKIT CONSTR. PO # 68120		FY16 PO Issue	FY 2016	30169	265,900.00	265,900.00	265,900.00	$ 13,704.75	n/a		
	Bid No. B-16-03-COC Fleet		*CO#1 remove pre-engineered metal bldg and heater duct*		30831	(49,308.60)	216,591.40	216,591.40				
		10,000	^contingency balance-->									
CP16F2	Fire Station #1 Design											
Op. Rev.		108,490.20	1/12/2016	2016-15								
Project Manager:		5,166.20	contingency authorized 5%									
account #	301-3580-519-62-00	103,324.00	exp authorized before contingency				Cumulative	FY16 cum				
	Architects Design Group PO#67486		FY16 PO Issue	FY2016	29612	103,324.00	103,324.00	103,324.00	$ 61,822.45	n/a		
	Bid No. RFQ-11-12-COC											
		5,166	^contingency balance-->									
* Fire Stations 1 and 2 were switched after Council												
WS0904	Lining of Sanitary Sewer Mains											
Op. Rev.		325,756.87	12/8/2015	2015-083								
Project Manager:		20,000.00	contingency authorized									
account #	421-4125-536-63-00	305,756.87	exp authorized before contingency				Cumulative	FY16 cum				
	Insituform Technologies PO 67722		FY16 PO Issue	FY2016	29413	305,756.87	305,756.87	305,756.87	$ 143,584.80	n/a		
	Contract No. 0113-1010 City of Daytona Beach		*CO#1 add five laterals*		30748	7,569.30	313,326.17	313,326.17				
		12,431	^contingency balance-->									
WS16MC	Relocate/Replace 12" and Smaller AC WM Cocoa Beach Minuteman Cswy Streetscape											
Op. Rev.		659,839.00	12/8/2015	2015-085								
Project Manager:		59,985.00	contingency authorized									
account #	421-4055-536-63-00	599,854.00	exp authorized before contingency				Cumulative	FY16 cum				
	Certified General Contractors PO 67555		FY16 PO Issue	FY2016	29456	599,854.00	599,854.00	599,854.00	$ 318,185.67	n/a		
	Bid No. Sole Source											
			Project number changing WS16MC									
		59,985	^contingency balance-->									
WS1402	Surface Water Plant Clearwell Addition and Reject Pond Rehab - Engineering Services											
Op. Rev.		9,425,900.00	12/8/2015	2015-091								
Project Manager:		856,900.00	contingency authorized									
account #	421-4055-536-63-00	8,569,000.00	exp authorized before contingency				Cumulative	FY16 cum				
	PETTICOTT-SCHMITT #67619		FY16 PO Issue	FY2016	29508	8,569,000.00	8,569,000.00	$ 8,569,000.00	$ 616,215.83	n/a		
	Bid No. B-15-23-COC		*CO#1 temporary and permanent power for CVS-1 and ASR-4*		30691	67,311.00	8,636,311.00	8,636,311.00				
		789,589	^contingency balance-->									

Project #	Project Description + Details	Construction contract not to exceed $	Date Approved	Resolution #	Requisition #	Requisition $ by Account #	All Fiscal Years Cumulative	FY16 Cum.	FY2016 Expenditures	FY2015 Expenditures	FY2014 Expenditures	FY2013 Expenditures
CP16F1	Fire Station Headquarters/Admin Building											
Op. Rev.		203,854.95	2/23/2016	2016-14								
Project Manager:		7,280.95	contingency authorized 5%									
account #	301-3580-519-62-00	145,619.00	exp authorized before contingency				Cumulative	FY16 cum				
		50,955.00	4/12/16 V.9									
	Architects Design Group PO#67682		FY16 PO Issue	FY2016	29610	145,619.00	145,619.00	145,619.00	$ 103,139.20	n/a		
	Bid No. RFQ-11-12-COC		*CO # 1 Design Criteriaa EOC at Fire Headquarters*		30171	50,955.00	196,574.00	196,574.00				
* Fire Stations 1 and 2 were switched after Council		**7,281**	^contingency balance-->									
CP16F3	Fire Station #2 Design											
Op. Rev.		161,916.30	12/8/2015	2016-16								
Project Manager:		7,710.30	contingency authorized 5%									
account #	301-3580-519-62-00	154,206.00	exp authorized before contingency				Cumulative	FY16 cum				
	Architects Design Group PO#67485		FY16 PO Issue	FY2016	29395	154,206.00	154,206.00	154,206.00	$ 106,894.45	n/a		
	Bid No. RFQ-11-12-COC											
		7,710	^contingency balance-->									
WS1201	Pipeline Condition Assessment to Subaqueous PCCP along S.R.520 and Subaqueous DIP along S.R. 401											
Op. Rev.		157,008.00	11/10/2015	2015-075								
Project Manager:		50,000.00	contingency authorized not to exceed $50,000			63-00						
account #	421-4055-536.63-00	107,008.00	exp authorized before contingency				Cumulative	FY16 cum				
	Logan Diving & Salvage PO # 67251		FY16 PO Issue	FY2016	29144	107,008.00	107,008.00	$ 107,008.00	$ 132,912.00	n/a	n/a	n/a
	Bid No. RFQ-14-19-COC		*CO#1 pre-repair outlet investigation, prelim outlet repair strategy*		30619	28,480.00	135,488.00	135,488.00				
	a/k/a Anderson Diving											
		21,520	^contingency balance-->									
WS1176	Elevated Storage Tank Structural Repairs Project											
Op. Rev.		753,157.00	9/22/15 VIII.3 AND 12/08/15 VIII.3	2015-089								
Project Manager:		68,400.00	contingency authorized	2015-066		46-00						
account #	421-4020-536.46-00	684,757.00	exp authorized before contingency				Cumulative	FY16 cum				
	C&D Construction, Inc. PO # 67462		FY15 PO Issue	FY 2015	28386	600,000.00	600,000.00		$ 701,651.33	$ -	n/a	n/a
	Bid No. B-15-21-COC		*FY15 Year-End PO Liquidation*			(600,000.00)	-					
			12/08/15 Council approved additional funds to complete project				-					
			FY2016 PO	FY2016	29384	684,757.00	684,757.00	$ 684,757.00				
			CO#1 - additional work due to condition of original plates		29384	23,981.72	708,738.72	708,738.72				
		44,418	^contingency balance-->									
WS0803	Indian River Drive Watermain Improvements											
Op. Rev.		2,306,700.00	7/14/2015 VIII 1.	2015-033								
Project Manager: Andrew Dugan		209,700.00	10% contingency authorized			63-00						
account #	421-4055-536-63-00	2,097,000.00	exp authorized before contingency				Cumulative	FY16 cum				
	Maxwell Contracting, Inc. PO 67040		FY15 PO Issue	FY 2015	27968	2,097,000.00	2,097,000.00		$ 1,558,567.27	$ 499,792.45	n/a	n/a
	Bid No. B-15-04-COC		*FY15 Year-End PO Liquidation*			(1,597,207.55)	499,792.45					
			FY16 PO Issue	FY2016	**28763**	1,597,207.55	2,097,000.00	1,597,207.55				
			CO#1 additional costs for unseen work		29595	19,799.23	2,116,799.23	1,617,006.78				
			CO#2 replace 2" galvanized water main		29656	49,371.00	2,166,170.23	1,666,377.78				
			CO#3 replace 8" gravity sewer on IRD/Mulberry St.		29964	33,000.00	2,199,170.23	1,699,377.78				
			CO #4 Dock Locates line stops		30339	28,213.05	2,227,383.28	1,727,590.83				
		79,317	^contingency balance-->				v					

Project #	Project Description + Details	Construction contract not to exceed $	Date Approved	Resolution #	Requisition #	Requisition $ by Account #		All Fiscal Years Cumulative	FY16 Cum.		FY2016 Expenditures	FY2015 Expenditures	FY2014 Expenditures	FY2013 Expenditures
PW08PT and WS1509	Peachtree Street Improvements Phase II													
Lap Agree. 1,387,500		2,936,405.85	3/24/2015 V .8.	2015-018		3510-541-63-00	4055-536-63-00							
Project Manager: Charlene Neuterman		130,533.95	5% contingency authorized for construction & SDC											
1-account # 001-3510-541-63-00		2,610,678.97	exp authorized before contingency											
2-account # 421-4055-536-63-00		195,192.93	7/26/16 V.5 (#16-315)					Cumulative	FY16 cum					
Restr Reserves $340,920 W/S $956,198														
FY 2015	DP Development of the Treasure Coast PO#65960 for acct 1, & PO#65962 for acct 2		65960 FY15 PO Issue	FY 2015	27406	1,553,694.27		1,553,694.27			$ 2,034,642.06	$ 467,457.38	n/a	n/a
	Myra Planning & Design PO#65818 for acct 1, & PO#65947		65962 FY15 PO Issue	FY 2015	27428		812,436.70	2,366,130.97						
			65818 FY15 PO Issue	FY 2015	27271	167,479.59		2,533,610.56						
FY2016	**Acct 1 PO# 67188 and PO 67499**		65790 FY15 PO Issue	FY 2015	27415		77,035.54	2,610,646.10						
	Acct 2 PO# 67400 & 67399		*PO 65947 FY15 Year-End PO Liquidation*	FY 2015			(45,285.65)	2,565,360.45				31,749.89		
			PO 65818 FY15 Year-End PO Liquidation	FY 2015		(121,541.98)		2,443,818.47				45,937.61		
			PO 65960 FY15 Year-End PO Liquidation	FY 2015		(1,314,475.89)		1,129,342.58				239,218.38		
	Bid No. B-15-12-COC		*PO 65962 FY15 Year-End PO Liquidation*	FY 2015			(661,885.20)	467,457.38				150,551.50		
			67188 FY16 PO Issue	**FY 2016**	**29046**	**900,000.00**		1,367,457.38	900,000.00	v	1,317,767.31			
			67499 FY16 PO Issue	FY 2016	29264	121,541.98		1,488,999.36	1,021,541.98	v	77,445.25			
			67400 FY16 PO Issue	FY 2016	29302		354,503.35	1,843,502.71	1,376,045.33	v	594,143.85			
			67399 FY16 PO Issue	FY 2016	29298		45,285.65	1,888,788.36	1,421,330.98	v	45,285.65			
			CO#1PO#67188 approved by Council 12/8/15 #15-572			**414,475.89**		2,303,264.25	1,835,806.87					
			CO#2 PO#67188 remove traffic signal at Peachtree/Fiske no longer in plans		**29887**	**(93,395.10)**		2,209,869.15	1,742,411.77					
			CO#3 PO#67188 modify drainage structure etc		**29902**	**39,581.13**		2,249,450.28	1,781,992.90					
			CO#4 PO#67188 modify lighting and electrical activity		**29903**	**(20,567.58)**		2,228,882.70	1,761,425.32					
			CO#5 PO 67188 Peachtree St Improvement Phase 2		**30278**	**55,478.46**		2,284,361.16	1,816,903.78					
			CO#1 PO 67400 Carry Forward of funds				307,381.85	2,591,743.01	2,124,285.63					
			CO#2 PO 67400 Addition of water main line				37,433.58	2,629,176.59	2,161,719.21					
			CO#6 PO#67188 approved by Council 7/26/16 #16-315		**30854**	**195,192.93**		2,824,369.52	2,356,912.14					
		85,003.71	^contingency balance--> Public Works			(18,903.09)		2,629,209.46						
		8,096.66	^contingency balance--> Utilities			18,497.62								
		93,100.37	Total contingency balance			(405.47) Unreconciled difference to be researched.								
WS16EW	Claude H. Dyal WTP Elevated Walkway Improvements													
Op. Rev.		1,213,820.00	3/24/2015 VIII. 3.	2015-012		63-00								
Project Manager: Anna Hoang, Engineering		110,347.00	10% contingency authorized of $1,103,473											
account # 421-4055-536-63-00		1,103,473.00	exp authorized before contingency					Cumulative	FY16 cum					
	Brandes Design-Build, Inc. PO # 67359		FY15 PO Issue	FY 2015	27257	1,103,473.00		1,103,473.00			$ 727,577.60	$ 220,050.00	n/a	n/a
	Bid No. B-15-09-COC		*PO 65796 FY15 Year-End PO Liquidation*			(883,423.00)		220,050.00						
			FY16 PO Issue	FY 2016	29146	883,423.00		1,103,473.00	883,423.00					
			CO#1		29489	7,268.19		1,110,741.19	890,691.19					
			CO#2		30181	7,419.37		1,118,160.56	898,110.56					
			CO#3		30320	32,643.88		1,150,804.44	930,754.44					
		63,016	^contingency balance-->											
WS1001	Industrial Park Pump Station													
Op. Rev.		4,889,500.00	11/25/14, VIII.8	2014-138										
Project Manager: Anna Hoang		444,500.00	10% contingency authorized			63-00								
account #421-4055-536.63-00		4,445,000.00	exp authorized before contingency					Cumulative	FY16 cum					
	Brandes Design-Build. PO #67318		FY15 PO Issue	FY 2015	26451	4,445,000.00		4,445,000.00			$ 755,006.15	$ 2,959,457.53	n/a	n/a
	Bid No. B-15-01-COC		*CO #1 for electric actuated butterfly valves*	FY 2015	27931	41,985.41		4,486,985.41						
			CO#2 for necessary modifications to electrical design	FY 2015	28332	14,574.50		4,501,559.91						
	Quentin Hampton P.O. #67460		*PO 65207 FY15 Year-End PO Liquidation*			(1,542,102.38)		2,959,457.53						
			FY16 PO Issue PO# 67318	FY2016	29192	**1,542,102.38**		4,501,559.91	1,542,102.38	v	$ 697,587.84			
			TO 2015-67 P.O. 67455 TO CH2M for Scada Programing		29315	21,434.07		4,522,993.98	1,563,536.45	v	$ 50,281.77			
			PO# 67460 to QLH for SDC		29381	53,001.11		4,575,995.09	1,616,537.56	v	$ 7,136.54			
	CH2M PO #67455		*CO # 1 PO 67460 Additional Services Industrial Park*		29593	23,033.00		4,599,028.09	1,639,570.56					
			CO#1 PO 67318		29647	53,686.38		4,652,714.47	1,693,256.94					
			CO#2 install electronic indicators PO 67318		30007	8,917.65		4,661,632.12	1,702,174.59					
			CO#2 additional inspection services PO#67460		30758	18,000.00		4,679,632.12	1,720,174.59					
		209,868	^contingency balance-->											

Project #	Project Description + Details	Construction contract not to exceed $	Date Approved	Resolution #	Requisition #	Requisition $ by Account #		All Fiscal Years Cumulative	FY16 Cum.		FY2016 Expenditures	FY2015 Expenditures	FY2014 Expenditures	FY2013 Expenditures
WS1117	SCADA Support Hardware Integration Services													
Op. Rev.		3,145,938.40	8/12/14 VIII.5	2014-090										
Project Manager:		231,664.40	10% contingency authorized			63-00	64-00							
account #421-4055-536.63-00		2,316,644.00	exp authorized before contingency											
		597,630.00	Change order to support the Repair of Deficiencies 8-25-15 V.5					Cumulative	FY16 cum					
	CH2M Hill Engineers, Inc. PO# 64202		FY14 PO Issue	FY 2014	25301		2,316,644.00	2,316,644.00			$ 770,779.65	$ 1,544,805.10	$ -	n/a
	Task Order 2014-58		*FY14 Year-End PO Liquidation for Task Order 2014-58*				(2,316,644.00)	-						
	CH2M Hill Engineers, Inc. PO# 64883		*FY 2015 PO Issue*	FY 2015	26194		2,316,644.00	2,316,644.00						
					26634		(2,316,644.00)							
			CO#1-account number change only 421-4055-536.63-00		26634	2,253,869.00	62,775.00	2,316,644.00						
			CO#2-to support the repair of deficiencies identified through execution of the original task		28276	597,630.00		2,914,274.00						
			CO#3-to correct CO#2 Internal use only to put into right account		n/a			2,914,274.00						
			FY15 Year-End PO Liquidation			(1,369,468.90)	-	1,544,805.10						
	CH2M Hill Engineers, Inc. FY2016 PO# 67262		FY16 PO Issue	FY2016	29089	1,369,468.90	-	2,914,274.00	1,369,468.90					
	Same project, different task orders, not from "contingency"													
	CH2M Hill Engineers, Inc. PO# 67260													
	CH2M Hill Engineers, Inc. PO# 67261													
	CH2M Hill Engineers, Inc. PO# 67263													
	CH2M Hill Engineers, Inc. PO# 67264													
		231,664	^contingency balance-->											
WS1426	Dyal Water Treatment Plant Switchgear & Generator Closed Loop Transition Upgrade													
Op. Rev.		645,947.00	7/8/14 V.3	2014-064										
		120,100.00	3/10/15, V.2	no Resolution: project amendment										
Project Manager: Joe DeGiovine		47,804.00	10% contingency authorized			63-00								
account #421-4055-536.63-00		478,043.00	exp authorized before contingency					Cumulative	FY16 cum					
	IEM Power Systems LLC PO# 64076		FY14 PO Issue	FY 2014	25120	478,043.00		478,043.00			$ 240,106.37	$ 246,351.60	$ -	n/a
	Bid No. B-14-12-COC		*FY14 Year-End PO Liquidation*			(478,043.00)		-						
	IEM Power Systems LLC PO#65274		FY15 PO Issue	FY 2015	26591	478,043.00		478,043.00						
	Bid No. B-14-12-COC		*CO #1 add funds by Council Approval 3/10/15, V2*		27169	110,600.00		588,643.00						
			FY15 Year End PO Liquidation			(342,291.40)		246,351.60						
	IEM Power Systems LLC FY2016 PO#67525		FY16 PO Issue	FY2016	29418	342,291.40		588,643.00	342,291.40					
			CO#1 rental of storage POD		30635	345.00		588,988.00	342,636.40					
			CO#2 add'l costs for delay in construction		30658	1,750.00		590,738.00	344,386.40					
			CO#3 add'l costs for delay in construction		30676	4,050.00		594,788.00	348,436.40					
		41,659	^contingency balance-->											
WS1113	Liquid Oxygen Conversion													
2010 Bond & Op.Rev.		2,377,268.96	7/8/14 Item V.6	2014-072										
Project Manager: A. Dugan		194,910.00	contingency authorized			63-00								
account #421 4055 536 63-00		2,182,358.96	constr' exp authorized before contingency					Cumulative	FY16 cum					
				FY2013		-		-						
	Brandes Design-Build, Inc. PO# 62619		FY14 PO Issue	FY2014	23342	1,949,100.00		1,949,100.00			$ 87,895.07	$ 1,129,827.22	$ 1,061,100.00	n/a
	Bid No. B-13-12-COC		CO #1 Work on dielectric system		24985	233,258.96		2,182,358.96						
			FY14 Year-End PO Liquidation			(1,121,258.96)		1,061,100.00						
	Brandes Design-Build, Inc. PO# 64854		FY15 PO Issue	FY2015	26152	1,121,258.96		2,182,358.96						
	Bid No. B-13-12-COC		CO #2 Add'l Programming		26445	19,072.05		2,201,431.01						
			CO #3 Contract extended 63 days		26982	53,673.83		2,255,104.84						
	Brandes Design-Build, Inc. FY2016 PO# 67458		CO#4 cut free two ozone generator discharge pipes		28197	8,986.45		2,264,091.29						
			FY15 Year End PO Liquidation			(73,164.07)		2,190,927.22						
			FY16 PO Issue	FY2016	29378	73,164.07		2,264,091.29	73,164.07					
			CO#1 to Brandes FY16 P.O.67458		67458	14,731.00		2,278,822.29	87,895.07					
		98,447	^contingency balance-->			COMPLETE					COMPLETE			

Project #	Project Description + Details	Construction contract not to exceed $	Date Approved	Resolution #	Requisition #	Requisition $ by Account #		All Fiscal Years Cumulative	FY16 Cum.		FY2016 Expenditures	FY2015 Expenditures	FY2014 Expenditures	FY2013 Expenditures
WS1222	BNR Process Improvements													
DER restricted + Op.Rev		2,970,900.00	08/13/13 VIII.7	2013-083										
account #421 4120 536 63-00 + 64-00		191,900.00	contingency authorized											
		2,779,000.00	constr' exp authorized before contingency											
	Brandes Design-Build, Inc. PO# 62086													
	Bid No. B-13-11-COC	86,000	7/28/15 VIII. 3. for Maxwell Contracting	2015-037										
	$5k reimburse check for overpmt of retainage in error - NOT a change order	10,000	contingency authorized for emergency task order											
						63-00	64-00							
	Brandes Design-Build, Inc. PO# 62605	76,000	Emergency Task Order authorized ($76k before task order contingency)											
	Bid No. B-13-11-COC													
								Cumulative	FY16 cum					
	Brandes Design-Build, Inc. PO# 64940			FY2012		-	-	-						
	Bid No. B-13-11-COC			FY2013	22658	1,250,550.00	1,528,450.00	2,779,000.00		$	45,175.49	$ 675,526.65	$ 2,023,431.73	$ 50,000.00
	[9[		*FY13 Year-End PO Liquidation*			(1,200,550.00)	(1,528,450.00)	50,000.00						
			FY14 PO Reissue	FY2014	23304	1,200,550.00	1,528,450.00	2,779,000.00						
	Brandes Design-Build, Inc. FY2016 PO# 67346		CO #1 Modification to drain lines in BNR tanks		24840	22,776.29		2,801,776.29						
			FY14 Year-End PO Liquidation				(728,344.56)	2,073,431.73						
								2,073,431.73						
			FY15 PO Reissue	FY2015	26276	728,344.56		2,801,776.29						
			CO #2 Exploratory excavation		26423	11,040.00		2,812,816.29						
			CO #3 Cable Tray		27079	5,978.14		2,818,794.43						
			CO #4 to Remove Sludge		27209	10,000.00		2,828,794.43						
			FY15 Year End PO Liquidation			(79,836.05)		2,748,958.38						
			FY16 PO Issue	FY2016	29212	79,836.05		2,828,794.43	79,836.05					
			CO#1		29329	(5,000.00)		2,823,794.43	74,836.05					
			CO#2		29212	4,151.50		2,827,945.93	78,987.55					
			CO#3		29905	5,327.32		2,833,273.25	84,314.87					
			CO#4		30046	(5,327.32)		2,827,945.93	78,987.55					
	SISCO PO 68047		SISCO PO#68047 EVALUATE/REPAIR 4 ELECTRIC VALVE ACTUATORS		30111	5,085.16		2,833,031.09	84,072.71	$	5,085.16			
	Maxwell Contracting, Inc. FY2015 PO#066365		Task Order 2015-12 to Maxwell Contracting, Inc.		27986	76,000.00		76,000.00	-	$	-	$ 76,000.00	n/a	
	Emergency - compromise of existing expansion joint					this portion is complete; project is incomplete								

137,869 ^contingency balance--> for Brandes Design-Build
10,000 ^contingency balance--> for Maxwell Contracting

Legislation Details (With Text)

File #:	16-341	**Version:**	1	**Name:**	
Type:	Informational Item			**Status:**	Agenda Ready
File created:	8/8/2016			**In control:**	City Council
On agenda:	8/23/2016			**Final action:**	
Title:	In accordance with City Code, Section 2-74, at the beginning of each month during the fiscal year, the City Manager shall submit to City Council data showing the relation between the estimated and actual income and expenses to date. (Finance Director)				
Sponsors:					
Indexes:					
Code sections:					
Attachments:	Budget by Classification Report July 2016.pdf				

Date	Ver.	Action By	Action	Result

CITY COUNCIL AGENDA ITEM

Memo Date: August 8, 2016
Agenda Date: August 23, 2016
Prepared By: Anthony Hagan, Grants Administrator
Through: Teri Butler, CGFO, Finance Director
Requested Action:
In accordance with City Code, Section 2-74, at the beginning of each month during the fiscal year, the City Manager shall submit to City Council data showing the relation between the estimated and actual income and expenses to date.

BACKGROUND:

The following reports for the period ending July 2016 provide information for the three major funds: General Fund, Water/Sewer Fund and the Storm Water Fund.

Each of the major funds will have the following reports:

1. Budget by Account Classification Report
   Summary of the annual budget, revenues collected and expenditures by fund. The detailed back-up documentation is found in the Revenue Report and the Detailed Budget Report Summary by Object

2. Revenue Report
   Detail by account number of actual revenues collected vs. budget for the three major funds: General Fund, Water & Sewer and Storm Water. This report shows the current period, the year to date totals, the annual budget and the unrealized balance.
   - Estimated - represents either the current period or year to date prorated budget

- Actual - represents actual revenue received either in the current period or year to date
- % Rev - the percentage of actual revenue received vs. budget
- Annual Estimate - annual budget
- Unrealized Balance - annual estimate (budget less actual year to date received

3. Detail Budget Report Summary by Object
   Summary of expenditures by account description vs. budget for the three major funds: General Fund, Water & Sewer and Storm Water. This report shows the current period, the year to date totals, encumbrances, the annual budget and the unencumbered balance.
   - Budget - represents either the current period or year to date prorated budget
   - Actual - represents actual cash expenditures either in the current period or year to date
   - % Exp. - the percentage of actual expenditures vs. budget
   - Encumbrance - encumbered amount
   - Annual Budget - annual budget
   - Unencumbered Balance - annual budget less actual year to date actual expenditures plus encumbrances
   - % Budgeted - the percentage of year to date actual expenditures plus encumbrances vs. budget

STRATEGIC PLAN CONNECTION:

Monthly reporting provides staff with an opportunity to monitor expenditure and revenue progression each month, to evaluate anomalies, and to determine corrective action (if necessary) for fiscal responsibility.

BUDGETARY IMPACT:

None

PREVIOUS ACTION:

None

RECOMMENDED MOTION:

Informational Item only.



FY 2016 Budget by Classification Report - Summary Listing

Through 7/31/2016

Target for July is 83%

FUND 001 - GENERAL FUND

	Amended Budget	YTD Encumbrances	YTD Actual Transactions	Budget - YTD Transactions	% Used/Rec'd
REVENUE					
TAXES	$ 6,821,651		$ 6,077,718.05	$ 743,932.95	89%
OTHER PERMITS AND FEES	$ 3,366,886		$ 2,865,267.88	$ 501,618.12	85%
INTERGOVERNMENTAL	$ 3,788,514		$ 2,116,793.15	$ 1,671,720.85	56%
CHARGES FOR SERVICES	$ 11,012,280		$ 9,199,005.27	$ 1,813,274.73	84%
FINES AND FORFEITURES	$ 24,495		$ 20,992.08	$ 3,502.92	86%
MISCELLANEOUS	$ 793,005		$ 656,439.37	$ 136,565.63	83%
OTHER SOURCES (NON-REVENUE)	$ 14,887,344		$ 5,573,370.00	$ 9,313,974.00	37%
REVENUE TOTALS	**$ 40,694,175**		**$ 26,509,585.80**	**$ 14,184,589.20**	**65%**
EXPENSE					
SALARIES AND BENEFITS	$ 20,910,339	$ 298.65	$ 15,904,500.12	$ 5,005,540.23	76%
OPERATING EXPENDITURES	$ 10,006,535	$ 1,294,970.57	$ 5,894,927.98	$ 2,816,636.45	72%
CAPITAL OUTLAY	$ 6,628,492	$ 1,146,198.57	$ 4,012,204.44	$ 1,470,088.99	78%
GRANTS, AIDS AND OTHER	$ 3,148,809	$ -	$ 711,583.60	$ 2,437,225.40	23%
EXPENSE TOTALS	**$ 40,694,175**	**$ 2,441,467.79**	**$ 26,523,216.14**	**$ 11,729,491.07**	71%
REVENUE TOTALS	**$ 40,694,175**	**$ -**	**$ 26,509,585.80**	**$ 14,184,589.20**	**65%**
EXPENSE TOTALS	**$ 40,694,175**	**$ 2,441,467.79**	**$ 26,523,216.14**	**$ 11,729,491.07**	**71%**
	$ -	**$ (2,441,467.79)**	**$ (13,630.34)**		

FUND 001 GENERAL FUND

ACCOUNT		ACCOUNT DESCRIPTION	CURRENT ESTIMATED	CURRENT ACTUAL	CURRENT %REV	YEAR-TO-DATE ESTIMATED	YEAR-TO-DATE ACTUAL	YEAR-TO-DATE %REV	ANNUAL ESTIMATE	UNREALIZED BALANCE
310		TAXES								
311		AD VALOREM								
	10 00	CURRENT TAXES	387,392	.00		3,873,920	4,454,794.02	115	4,648,710	193,915.98
	20 00	DELINQUENT TAXES	3,333	655.16	20	33,330	220,941.46	663	40,000	180,941.46-
	25 00	PENALTIES RE: TAXES	416	165.81	40	4,160	14,719.19	354	5,000	9,719.19-
	30 00	TAX CERTIFICATES	16,666	.00		166,660	.00		200,000	200,000.00
311	**	AD VALOREM	407,807	820.97		4,078,070	4,690,454.67	115	4,893,710	203,255.33
312		SALES USE AND FUEL TAXES								
	41 00	LOCAL OPTION GAS TAX 6 CT	24,954	.00		249,540	288,208.07	116	299,452	11,243.93
312	**	SALES USE AND FUEL TAXES	24,954	.00		249,540	288,208.07	116	299,452	11,243.93
314		UTILITY SERVICE TAX								
	10 00	ELECTRICITY	82,314	89,940.74	109	823,140	713,020.74	87	987,768	274,747.26
	40 00	GAS	1,732	1,166.36	67	17,320	13,131.01	76	20,784	7,652.99
	80 00	PROPANE	1,300	1,603.85	123	13,000	14,426.63	111	15,605	1,178.37
314	**	UTILITY SERVICE TAX	85,346	92,710.95	109	853,460	740,578.38	87	1,024,157	283,578.62
315		COMMUNICATION SERVICE TAX								
	00 00	COMMUNICATION SERVICE TAX	36,194	19,950.00-	55	361,940	180,620.72	50	434,332	253,711.28
315	**	COMMUNICATION SERVICE TAX	36,194	19,950.00-	55	361,940	180,620.72	50	434,332	253,711.28
316		LOCAL BUSINESS TAX								
	00 00	LOCAL BUSINESS TAX	14,166	16,949.10	120	141,660	177,856.21	126	170,000	7,856.21-
316	**	LOCAL BUSINESS TAX	14,166	16,949.10	120	141,660	177,856.21	126	170,000	7,856.21-
310	***	TAXES	568,467	90,531.02	16	5,684,670	6,077,718.05	107	6,821,651	743,932.95
320		OTHER PERMITS & FEES								
322		BUILDING PERMITS								
	00 00	BUILDING PERMITS	11,416	14,037.60	123	114,160	250,107.41	219	137,000	113,107.41-
	10 00	TRAINING SURCHARGE	58	71.34	123	580	726.46	125	700	26.46-
322	**	BUILDING PERMITS	11,474	14,108.94	123	114,740	250,833.87	219	137,700	113,133.87-
323		FRANCHISE FEES								
	10 00	ELECTRICITY	64,218	31,394.00-	49	642,180	331,378.73	52	770,620	439,241.27
	40 00	GAS	1,510	856.89	57	15,100	10,207.80	68	18,120	7,912.20
	70 00	SOLID WASTE	14,703	12,617.28	86	147,030	147,683.97	100	176,446	28,762.03
323	**	FRANCHISE FEES	80,431	17,919.83-	22	804,310	489,270.50	61	965,186	475,915.50
325		SPECIAL ASSESSMENT								
	12 01	FIRE PROTECTION	174,916	1,409.46	1	1,749,160	1,950,360.44	112	2,099,000	148,639.56

FUND 001 GENERAL FUND

ACCOUNT	ACCOUNT DESCRIPTION	CURRENT ESTIMATED	CURRENT ACTUAL	CURRENT %REV	YEAR-TO-DATE ESTIMATED	YEAR-TO-DATE ACTUAL	YEAR-TO-DATE %REV	ANNUAL ESTIMATE	UNREALIZED BALANCE
320	OTHER PERMITS & FEES								
325	SPECIAL ASSESSMENT								
12 02	DELINQUENT TAX	666	734.71	110	6,660	149,491.92	2245	8,000	141,491.92-
12 03	PENALTIES	83	65.78	79	830	8,403.84	1013	1,000	7,403.84-
12 04	TAX CERTIFICATES	12,500	.00		125,000	.00		150,000	150,000.00
12 *	SERVICE	188,165	2,209.95	1	1,881,650	2,108,256.20	112	2,258,000	149,743.80
325 **	SPECIAL ASSESSMENT	188,165	2,209.95	1	1,881,650	2,108,256.20	112	2,258,000	149,743.80
329	OTHER PERMITS & FEES								
00 00	OTHER PERMITS & FEES	0	.00		0	.00		0	.00
10 00	REPOSITORY FEES	0	.00		0	.00		0	.00
20 00	BUILDING PLANS REVIEW FEE	0	.00		0	.00		0	.00
25 00	PLANNING AND ZONING	500	850.67	170	5,000	16,907.31	338	6,000	10,907.31-
30 00	PLANNING SITE PLAN REVIEW	0	.00		0	.00		0	.00
329 **	OTHER PERMITS & FEES	500	850.67	170	5,000	16,907.31	338	6,000	10,907.31-
320 ***	OTHER PERMITS & FEES	280,570	750.27-		2,805,700	2,865,267.88	102	3,366,886	501,618.12
330	INTERGOVERNMENTAL REVENUE								
331	FEDERAL GRANTS								
10 02	BROWNFIELDS REDEVELOP PR	33,333	.00		333,330	37,568.70	11	400,000	362,431.30
10 03	ENERGY EFFICIENT RETROFIT	0	.00		0	.00		0	.00
10 *	GENERAL GOVERNMENT	33,333	.00		333,330	37,568.70	11	400,000	362,431.30
20 01	RES OFFCR - CTY CONTRACT	2,608	.00		26,080	21,200.00	81	31,300	10,100.00
20 05	JAG GRANT	1,915	.00		19,150	22,980.00	120	22,980	.00
20 09	DOT SPEED CONTROL GRANT	0	.00		0	.00		0	.00
20 10	PROJECT SAFE NEIGHBORHOOD	0	.00		0	.00		0	.00
20 12	BULLET PROOF GRANT	723	.00		7,230	2,880.70	40	8,683	5,802.30
20 13	COPS-CHRP GRANT	0	.00		0	.00		0	.00
20 14	FEMA DEFIBRILLATORS	0	.00		0	.00		0	.00
20 15	VICTIMS OF CRIME ACT GRNT	0	.00		0	33,051.67		0	33,051.67-
20 *	PUBLIC SAFETY	5,246	.00		52,460	80,112.37	153	62,963	17,149.37-
30 01	FEMA ASSIST TO FF GRANT	0	.00		0	.00		0	.00
39 10	FED GRANT -TRANSPORTATION	114,828	79,861.40	70	918,624	845,900.01	92	1,148,282	302,381.99
50 01	FEMA DISASTER RELIEF	0	.00		0	.00		0	.00
331 **	FEDERAL GRANTS	153,407	79,861.40	52	1,304,414	963,581.08	74	1,611,245	647,663.92
333	PAYMENT IN LIEU OF TAXES								
90 00	HOUSING AUTHORITY	3,750	.00		37,500	39,009.20	104	45,000	5,990.80
333 **	PAYMENT IN LIEU OF TAXES	3,750	.00		37,500	39,009.20	104	45,000	5,990.80

FUND 001 GENERAL FUND

ACCOUNT		ACCOUNT DESCRIPTION	CURRENT ESTIMATED	CURRENT ACTUAL	%REV	YEAR-TO-DATE ESTIMATED	YEAR-TO-DATE ACTUAL	%REV	ANNUAL ESTIMATE	UNREALIZED BALANCE
330		INTERGOVERNMENTAL REVENUE								
333		PAYMENT IN LIEU OF TAXES								
334		STATE GRANT								
50	01	STATE DISASTER REIMBURSE	0	.00		0	.00		0	.00
50	02	COCOA CONSERVATION	0	.00		0	.00		0	.00
50	03	RESIDENTIAL RETROFIT	19,416	.00		194,160	109,996.00	57	233,000	123,004.00
50	*	ECONOMIC ENVIRONMENT	19,416	.00		194,160	109,996.00	57	233,000	123,004.00
61	10	BREVARD COUNTY EMS GRANT	1,578	.00		11,046	.00		14,200	14,200.00
90	30	HISTORIC PRESERVATION GRT	23,354	.00		233,540	.00		280,256	280,256.00
334	**	STATE GRANT	44,348	.00		438,746	109,996.00	25	527,456	417,460.00
335		STATE SHARED REVENUES								
12	00	STATE REVENUE SHARING	37,945	.00		379,450	273,813.37	72	455,349	181,535.63
12	20	8TH CNT MUNICIPAL GAS TAX	12,561	.00		125,610	85,097.83	68	150,732	65,634.17
12	*	STATE REVENUE SHARING	50,506	.00		505,060	358,911.20	71	606,081	247,169.80
14	00	MOBILE HOME LICENSES	1,768	508.00	29	17,680	18,819.73	106	21,220	2,400.27
15	00	ALCOHOLIC BEVERAGE	1,764	.00		17,640	18,147.74	103	21,169	3,021.26
18	00	LOCAL GOVERNMENT 1/2 CENT	77,819	.00		778,190	576,566.72	74	933,828	357,261.28
21	00	FIREFIGHTER SUPPLEMENTAL	0	.00		0	6,390.00		0	6,390.00-
29	00	OTHER PUBLIC SAFETY	0	.00		0	.00		0	.00
41	00	FUEL TAX REFUNDS	1,876	.00		18,760	25,371.48	135	22,515	2,856.48-
335	**	STATE SHARED REVENUES	133,733	508.00		1,337,330	1,004,206.87	75	1,604,813	600,606.13
337		GRANTS FROM LOCAL UNITS								
20	01	911 SURCHARGE FUNDS	0	.00		0	.00		0	.00
40	00	TRANSPORTATION	0	.00		0	.00		0	.00
40	01	FDOT JOINT PARTICIPATION	0	.00		0	.00		0	.00
40	*	TRANSPORTATION	0	.00		0	.00		0	.00
337	**	GRANTS FROM LOCAL UNITS	0	.00		0	.00		0	.00
338		SHARED REVENUE LOCAL UNIT								
10	01	EMS 1ST RESPONDER	0	.00		0	.00		0	.00
338	**	SHARED REVENUE LOCAL UNIT	0	.00		0	.00		0	.00
330	***	INTERGOVERNMENTAL REVENUE	335,238	80,369.40	24	3,117,990	2,116,793.15	68	3,788,514	1,671,720.85
340		CHARGES FOR SERVICES								
341		GENERAL GOVERNMENT								
10	00	RECORDING FEES	0	.00		0	.00		0	.00

CITY OF COCOA, FLORIDA

FUND 001 GENERAL FUND

ACCOUNT	ACCOUNT DESCRIPTION	********** CURRENT ESTIMATED	ACTUAL	%REV	******** YEAR-TO-DATE ESTIMATED	ACTUAL	%REV	ANNUAL ESTIMATE	UNREALIZED BALANCE
340	CHARGES FOR SERVICES								
341	GENERAL GOVERNMENT								
15 00	PUBLIC RECORDS MODERNIZAT	0	.00		0	.00		0	.00
21 00	FINANCE/ACCOUNTING FEES	0	.00		0	.00		0	.00
23 00	W/S UTILITY ACCT.FEES	0	.00		0	.00		0	.00
30 00	ADMINISTRATIVE FEES	447,249	447,250.00	100	4,472,490	4,472,500.00	100	5,366,988	894,488.00
31 00	ADMIN FEES STORMWATER	4,759	4,759.00	100	47,590	47,590.00	100	57,111	9,521.00
40 00	CERTIFY/COPY/SEARCH	10,870	8,115.76	75	108,700	80,578.26	74	130,440	49,861.74
90 12	PASSPORT EXECUTION FEES	552	500.00	91	5,520	6,900.95	125	6,634	266.95-
341 **	GENERAL GOVERNMENT	463,430	460,624.76	99	4,634,300	4,607,569.21	99	5,561,173	953,603.79
342	PUBLIC SAFETY								
10 00	POLICE SERVICES	0	.00		0	.00		0	.00
90 00	OTHER PUBLIC SAFETY	0	350.00		0	1,925.00		0	1,925.00-
90 01	FALSE ALARM FEES	625	.00		6,250	8,630.00	138	7,510	1,120.00-
90 02	MOTOR VEHICLE ACCIDENT	0	.00		0	.00		0	.00
90 *	OTHER PUBLIC SAFETY	625	350.00	56	6,250	10,555.00	169	7,510	3,045.00-
342 **	PUBLIC SAFETY	625	350.00	56	6,250	10,555.00	169	7,510	3,045.00-
343	PHYSICAL ENVIRONMENT								
37 10	BREVARD COUNTY	33,235	35,148.21	106	332,350	349,314.26	105	398,820	49,505.74
37 11	ROCKLEDGE	20,995	21,422.35	102	209,950	192,172.61	92	251,940	59,767.39
37 12	SUN LAKE	274	288.32	105	2,740	2,562.02	94	3,291	728.98
37 13	COLONY PARK	149	146.28	98	1,490	1,341.96	90	1,791	449.04
37 16	COCOA BEACH	8,670	8,615.61	99	86,700	77,315.95	89	104,040	26,724.05
37 17	CAPE CANAVERAL	7,157	7,154.40	100	71,570	64,052.29	90	85,884	21,831.71
37 18	TITUSVILLE	312	321.18	103	3,120	2,910.76	93	3,745	834.24
37 *	WATER BILLING SERVICES	70,792	73,096.35	103	707,920	689,669.85	97	849,511	159,841.15
39 01	SERVICE CHARGES	31,276	39,441.99	126	312,760	357,555.89	114	375,314	17,758.11
39 03	ADMIN CHARGES	33,211	34,890.00	105	332,110	324,321.70	98	398,542	74,220.30
39 04	PENALTIES	71,513	78,482.49	110	715,130	748,933.08	105	858,157	109,223.92
39 05	NSF CHECKS	2,673	3,490.00	131	26,730	32,049.14	120	32,079	29.86
39 *	WATER OTHER INCOME	138,673	156,304.48	113	1,386,730	1,462,859.81	106	1,664,092	201,232.19
41 10	GARBAGE REVENUES	176,569	169,462.46	96	1,765,690	1,719,869.06	97	2,118,834	398,964.94
41 20	RECYCLING REVENUE	17,567	17,293.88	98	175,670	170,215.67	97	210,812	40,596.33
41 30	GREEN WASTE	15,023	14,465.58	96	150,230	143,845.67	96	180,283	36,437.33
41 *	GARBAGE COLLECTION	209,159	201,221.92	96	2,091,590	2,033,930.40	97	2,509,929	475,998.60
45 10	BILLING FEE - WEST WASTE	7,939	8,044.98	101	79,390	71,940.84	91	95,268	23,327.16
45 20	SALE - RECYCLING MATERIAL	153	.00		1,530	961.52	63	1,836	874.48

FUND 001 GENERAL FUND

ACCOUNT	ACCOUNT DESCRIPTION	********** CURRENT ESTIMATED	ACTUAL	%REV	******** YEAR-TO-DATE ESTIMATED	ACTUAL	%REV	ANNUAL ESTIMATE	UNREALIZED BALANCE
340	CHARGES FOR SERVICES								
343	PHYSICAL ENVIRONMENT								
45 *	GARBAGE - OTHER REVENUE	8,092	8,044.98	99	80,920	72,902.36	90	97,104	24,201.64
46 10	EARNED NOT BILLED	0	.00		0	.00		0	.00
90 01	MEDIAN MAINTENANCE	4,361	13,084.00	300	43,610	39,252.00	90	52,336	13,084.00
90 02	ADOPT A MEDIAN PROGRAM	0	.00		0	.00		0	.00
90 03	FDOT MNT SIGNAL/HWY LIGHT	8,364	.00		83,640	121,527.00	145	100,369	21,158.00-
90 *	OTHER PHYSICAL ENVIRON	12,725	13,084.00	103	127,250	160,779.00	126	152,705	8,074.00-
343 **	PHYSICAL ENVIRONMENT	439,441	451,751.73	103	4,394,410	4,420,141.42	101	5,273,341	853,199.58
347	CULTURE/RECREATION								
20 10	DOWNTOWN GAZEBO RENTAL	0	.00		0	.00		0	.00
20 15	JUNNY RIOS PARK RENTAL	0	.00		0	.00		0	.00
20 *	PARKS & RECREATION	0	.00		0	.00		0	.00
39 00	OTHER CULTURAL SERVICES	0	.00		0	.00		0	.00
39 10	PORCHER HOUSE - REVENUES	5,093	3,613.40	71	50,930	47,326.89	93	61,117	13,790.11
39 11	TENANT MAINTENANCE FEES	140	93.71	67	1,400	1,236.02	88	1,691	454.98
39 20	COCOA CIVIC CENTER	4,287	1,918.79	45	42,870	56,294.93	131	51,455	4,839.93-
39 21	CC - BRIDAL SHOWS	0	.00		0	.00		0	.00
39 30	RIVERFRONT PARK	1,690	745.00	44	16,900	15,038.23	89	20,287	5,248.77
39 *	OTHER CULTURAL SERVICES	11,210	6,370.90	57	112,100	119,896.07	107	134,550	14,653.93
40 01	COCOA VILLAGE 10% GROSS	1,680	50.00	3	16,800	26,662.19	159	20,165	6,497.19-
40 05	PERMIT FEES	135	28.05	21	1,350	2,140.17	159	1,625	515.17-
40 10	MARDI GRAS	0	.00		0	2,235.00		0	2,235.00-
40 *	SPECIAL EVENTS	1,815	78.05	4	18,150	31,037.36	171	21,790	9,247.36-
50 10	EVENT FEES	822	248.82	30	8,220	6,306.21	77	9,873	3,566.79
50 20	CONCESSION SALES	0	.00		0	.00		0	.00
50 30	ADVERTISING/SPONSORSHIPS	318	2,000.00	629	3,180	3,500.00	110	3,818	318.00
50 40	SCHOOL BOARD	0	.00		0	.00		0	.00
50 *	SPECIAL REC FACILITIES	1,140	2,248.82	197	11,400	9,806.21	86	13,691	3,884.79
347 **	CULTURE/RECREATION	14,165	8,697.77	61	141,650	160,739.64	114	170,031	9,291.36
349	OTHER CHARGES FOR SERVICE								
01 00	CREDIT CARD FEES	18	.00		180	.00		225	225.00
349 **	OTHER CHARGES FOR SERVICE	18	.00		180	.00		225	225.00

FUND 001 GENERAL FUND

ACCOUNT		ACCOUNT DESCRIPTION	CURRENT ESTIMATED	CURRENT ACTUAL	CURRENT %REV	YEAR-TO-DATE ESTIMATED	YEAR-TO-DATE ACTUAL	YEAR-TO-DATE %REV	ANNUAL ESTIMATE	UNREALIZED BALANCE
340		CHARGES FOR SERVICES								
349		OTHER CHARGES FOR SERVICE								
340	***	CHARGES FOR SERVICES	917,679	921,424.26	100	9,176,790	9,199,005.27	100	11,012,280	1,813,274.73
350		FINES AND FORFEITURES								
351		JUDGMENTS AND FINES								
10	00	COUNTY COURT CRIMINAL	0	.00		0	.00		0	.00
50	00	800 MHZ FINES	0	.00		0	.00		0	.00
90	00	OTHER	2,041	1,392.39	68	20,410	20,992.08	103	24,495	3,502.92
351	**	JUDGMENTS AND FINES	2,041	1,392.39	68	20,410	20,992.08	103	24,495	3,502.92
354		LOCAL ORDINANCE VIOLATION								
00	00	LOCAL ORDINANCE VIOLATION	0	.00		0	.00		0	.00
354	**	LOCAL ORDINANCE VIOLATION	0	.00		0	.00		0	.00
355		FEDERAL								
00	00	FEDERAL	0	.00		0	.00		0	.00
355	**	FEDERAL	0	.00		0	.00		0	.00
356		STATE								
00	00	STATE	0	.00		0	.00		0	.00
356	**	STATE	0	.00		0	.00		0	.00
350	***	FINES AND FORFEITURES	2,041	1,392.39	68	20,410	20,992.08	103	24,495	3,502.92
360		MISCELLANEOUS REVENUES								
361		INTEREST AND OTHR EARNING								
10	00	INTEREST	3,612	1,954.13	54	36,120	71,834.13	199	43,355	28,479.13-
20	00	DIVIDENDS	0	.00		0	1,731.73		0	1,731.73-
38	00	NET INC/DEC-FMV INVESTMNT	0	.00		0	15,080.32		0	15,080.32-
40	00	GAIN/LOSS SALE OF INVEST	0	.00		0	.00		0	.00
361	**	INTEREST AND OTHR EARNING	3,612	1,954.13	54	36,120	88,646.18	245	43,355	45,291.18-
362		RENT AND ROYALTIES								
00	00	RENT AND ROYALTIES	9,267	11,449.33	124	92,670	64,082.27	69	111,210	47,127.73
362	**	RENT AND ROYALTIES	9,267	11,449.33	124	92,670	64,082.27	69	111,210	47,127.73
364		DISPOSITION FIXED ASSETS								
00	00	DISPOSITION FIXED ASSETS	0	20,085.10		0	87,878.03		0	87,878.03-
10	00	GAIN/LOSS	0	.00		0	.00		0	.00
20	00	INTERFUND LOANS	0	.00		0	.00		0	.00
364	**	DISPOSITION FIXED ASSETS	0	20,085.10		0	87,878.03		0	87,878.03-

FUND 001 GENERAL FUND

ACCOUNT	ACCOUNT DESCRIPTION	CURRENT ESTIMATED	CURRENT ACTUAL	CURRENT %REV	YEAR-TO-DATE ESTIMATED	YEAR-TO-DATE ACTUAL	YEAR-TO-DATE %REV	ANNUAL ESTIMATE	UNREALIZED BALANCE
360	MISCELLANEOUS REVENUES								
364	DISPOSITION FIXED ASSETS								
365	SALES OF SURPLUS SCRAP								
00 00	SALES OF SURPLUS SCRAP	0	.00		0	.00		0	.00
365 **	SALES OF SURPLUS SCRAP	0	.00		0	.00		0	.00
366	CONTRIBUTIONS & DONATIONS								
00 00	CONTRIBUTIONS & DONATIONS	6,250	6,250.00	100	62,500	70,527.50	113	75,000	4,472.50
10 09	POLICE/FIRE DEPTS	0	.00		0	.00		0	.00
10 10	CONTRIBS FOR K-9	0	.00		0	.00		0	.00
10 12	V-COP REVENUES	0	.00		0	.00		0	.00
10 13	VISIT FLORIDA GRANT	0	.00		0	2,500.00		0	2,500.00-
10 20	TOY DRIVE	0	.00		0	.00		0	.00
10 *	DONATIONS-PRIVATE SOURCES	0	.00		0	2,500.00		0	2,500.00-
366 **	CONTRIBUTIONS & DONATIONS	6,250	6,250.00	100	62,500	73,027.50	117	75,000	1,972.50
367	LICENSES								
00 00	LICENSES	0	.00		0	.00		0	.00
367 **	LICENSES	0	.00		0	.00		0	.00
368	PENSION CONTRIBUTIONS								
00 00	PENSION CONTRIBUTIONS	0	.00		0	.00		0	.00
21 00	POLICE STATE CONTRIBUTION	11,974	.00		119,740	.00		143,695	143,695.00
22 00	FIRE STATE CONTRIBUTION	10,943	.00		109,430	.00		131,316	131,316.00
368 **	PENSION CONTRIBUTIONS	22,917	.00		229,170	.00		275,011	275,011.00
369	OTHER MISC REVENUES								
90 00	OTHER MISC REVENUES	7,598	3,615.45	48	75,980	71,672.92	94	91,182	19,509.08
90 01	COKE MACHINE	0	.00		0	.00		0	.00
90 02	POLICE SECURITY SERVICES	2,376	4,160.00	175	23,760	47,735.00	201	28,515	19,220.00-
90 03	CODE ENF ABATE/DEMO REV	5,173	35,345.00	683	51,730	100,010.88	193	62,084	37,926.88-
90 04	MISC. POLICE REVENUES	0	13.43		0	959.92		0	959.92-
90 05	INVESTIGATIVE COSTS REIM	4,435	5,081.59	115	44,350	45,369.07	102	53,230	7,860.93
90 06	SETTLEMENTS	0	.00		0	.00		0	.00
90 07	FLORIDA HARDEST HIT	833	960.00	115	8,330	8,520.00	102	10,000	1,480.00
90 08	ATF TASK FORCE	0	.00		0	.00		0	.00
90 09	PROPERTY REGISTRATION	3,618	5,500.00	152	36,180	24,800.00	69	43,418	18,618.00
90 10	POLICE STRIKEFORCE	0	.00		0	.00		0	.00
90 11	EXCESS INSURANCE PREMIUM	0	.00		0	.00		0	.00
90 99	COCOA PLAYHOUSE	0	.00		0	.00		0	.00
90 *	OTHER MISC REVENUES	24,033	54,675.47	228	240,330	299,067.79	124	288,429	10,638.79-

FUND 001 GENERAL FUND

ACCOUNT	ACCOUNT DESCRIPTION	CURRENT ESTIMATED	CURRENT ACTUAL	CURRENT %REV	YEAR-TO-DATE ESTIMATED	YEAR-TO-DATE ACTUAL	YEAR-TO-DATE %REV	ANNUAL ESTIMATE	UNREALIZED BALANCE
360	MISCELLANEOUS REVENUES								
369	OTHER MISC REVENUES								
96 00	INSURANCE REFUND PROCEEDS	0	.00		0	43,737.60		0	43,737.60-
369 **	OTHER MISC REVENUES	24,033	54,675.47	228	240,330	342,805.39	143	288,429	54,376.39-
360 ***	MISCELLANEOUS REVENUES	66,079	94,414.03	143	660,790	656,439.37	99	793,005	136,565.63
380	OTHER SOURCES(NON-REV)								
381	INTERFUND TRANSFER								
91 03	CDBG (103)	0	.00		0	.00		0	.00
91 10	TRANSFER FROM REDEVELOP	0	.00		0	.00		0	.00
91 11	TRANSFER FROM DIAMOND SQ	0	.00		0	.00		0	.00
91 12	US1 CORRIDOR (112)	0	.00		0	.00		0	.00
91 21	WATER SEWER FUND (421)	28,652	.00		220,090	.00		277,400	277,400.00
91 23	STORMWATER	1,562	.00		15,620	.00		18,750	18,750.00
91 25	RESTRICTED ASSETS	0	.00		0	.00		0	.00
91 30	CAP PROJECT FUND	19,023	.00		57,069	.00		95,112	95,112.00
91 41	TRANSFER FROM CONSFICATED	0	.00		0	.00		0	.00
91 *	TRANSFER FROM	49,237	.00		292,779	.00		391,262	391,262.00
381 **	INTERFUND TRANSFER	49,237	.00		292,779	.00		391,262	391,262.00
382	CONTRIBUTIONS ENTERPRISE								
40 00	CONTRIBUTIONS WATER REV.	441,666	441,667.00	100	4,416,660	4,416,670.00	100	5,300,000	883,330.00
40 01	6% CONTRIBUTION	115,670	115,670.00	100	1,156,700	1,156,700.00	100	1,388,042	231,342.00
40 *	CONTRIBUTIONS WATER REV.	557,336	557,337.00	100	5,573,360	5,573,370.00	100	6,688,042	1,114,672.00
382 **	CONTRIBUTIONS ENTERPRISE	557,336	557,337.00	100	5,573,360	5,573,370.00	100	6,688,042	1,114,672.00
383	INSTLMT PURCH/CAP LEASE								
10 00	INSTALMNT PURC/CAP LEASE	0	.00		0	.00		0	.00
383 **	INSTLMT PURCH/CAP LEASE	0	.00		0	.00		0	.00
384	DEBT PROCEEDS								
00 00	DEBT PROCEEDS	0	.00		0	.00		0	.00
384 **	DEBT PROCEEDS	0	.00		0	.00		0	.00
385	PROCEEDS REFUNDING BONDS								
00 00	PROCEEDS REFUNDING BONDS	0	.00		0	.00		0	.00
385 **	PROCEEDS REFUNDING BONDS	0	.00		0	.00		0	.00

FUND 001 GENERAL FUND

ACCOUNT	ACCOUNT DESCRIPTION	********** CURRENT ESTIMATED	ACTUAL	%REV	******** YEAR-TO-DATE ESTIMATED	ACTUAL	%REV	ANNUAL ESTIMATE	UNREALIZED BALANCE
380	OTHER SOURCES(NON-REV)								
385	PROCEEDS REFUNDING BONDS								
389	NON OPERATING SOURCES								
85 00	CONTRIBUTIONS-SUBDIVIDERS	0	.00		0	.00		0	.00
90 00	OTHER NONOPERATING SOURCE	6,846	.00		68,460	.00		82,154	82,154.00
99 10	CASH CARRY FORWARD	9,166	.00		91,660	.00		110,000	110,000.00
99 11	RESTR. CASH CARRY FORWARD	46,009	.00		368,072	.00		460,094	460,094.00
99 50	FUND BAL-APPROP. RESERVES	798,423	.00		5,558,941	.00		7,155,792	7,155,792.00
99 *	BALANCE FORWARD	853,598	.00		6,018,673	.00		7,725,886	7,725,886.00
389 **	NON OPERATING SOURCES	860,444	.00		6,087,133	.00		7,808,040	7,808,040.00
380 ***	OTHER SOURCES(NON-REV)	1,467,017	557,337.00	38	11,953,272	5,573,370.00 ✓	47	14,887,344 ✓	9,313,974.00
FUND TOTAL	GENERAL FUND	3,637,091	1,744,717.83	48	33,419,622	26,509,585.80 ✓	79	40,694,175 ✓	14,184,589.20 ✓

REPORT SELECTIONS

Fiscal year . . . . . : 2016
Fund . . . . . : 001
All Departments
All Divisions
Suppress accounts with zero balances . . . . : N

FUND 001 GENERAL FUND

ELE OBJ	ACCOUNT DESCRIPTION	******MONTH-TO-DATE******* BUDGET	ACTUAL	%EXP	**********YEAR-TO-DATE******* BUDGET	ACTUAL	%EXP	ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
11-00	EXECUTIVE SALARIES	2550	2550.00	100	25500	25500.00	100	.00	30600	5100.00	83
11 **	EXECUTIVE SALARIES	2550	2550.00	100	25500	25500.00	100	.00	30600	5100.00	83
12-00	REGULAR SALARIES & WAGES	863541	768308.00	89	8907670	8112581.14	91	.00	10634845	2522263.86	76
12-06	SALARIES/CONTRACTUAL	1364	737.50	54	12276	16056.25	131	.00	15000	1056.25-	107
12-07	EMS 1ST RESPONDER	0	.00	0	0	.00	0	.00	0	.00	0
12-10	SALARY ADJUSTMENTS	0	.00	0	0	.00	0	.00	0	.00	0
12-11	LEAVE INCENTIVE SELL BACK	0	.00	0	0	.00	0	.00	0	.00	0
12-12	ACCRUAL PAYOUTS	49841	7938.83	16	186735	319321.35	171	.00	286429	32892.35-	112
12-13	COPS CHRP	0	.00	0	0	.00	0	.00	0	.00	0
12 **	REGULAR SALARIES & WAGES	914746	776984.33	85	9106681	8447958.74	93	.00	10936274	2488315.26	77
13-00	OTHER SALARIES & WAGES	89434	62066.14	69	922340	752345.99	82	.00	1101265	348919.01	68
13 **	OTHER SALARIES & WAGES	89434	62066.14	69	922340	752345.99	82	.00	1101265	348919.01	68
14-00	OVERTIME	9086	44913.78	494	234067	274447.31	117	.00	252307	22140.31-	109
14-01	COMP TIME	0	.00	0	0	.00	0	.00	0	.00	0
14 **	OVERTIME	9086	44913.78	494	234067	274447.31	117	.00	252307	22140.31-	109
15-00	SPECIAL PAY	28417	24593.54	87	248897	272144.01	109	.00	305736	33591.99	89
15 **	SPECIAL PAY	28417	24593.54	87	248897	272144.01	109	.00	305736	33591.99	89
20-00	CLOTHING/SHOE ALLOWANCE	1704	166.40	10	17040	15257.46	90	.00	20492	5234.54	75
20 **	CLOTHING/SHOE ALLOWANCE	1704	166.40	10	17040	15257.46	90	.00	20492	5234.54	75
21-00	FICA TAXES	84812	67410.50	80	838813	723635.61	86	.00	1008524	284888.39	72
21 **	FICA TAXES	84812	67410.50	80	838813	723635.61	86	.00	1008524	284888.39	72
22-00	RETIREMENT CONTRIBUTIONS	52778	41507.31	79	475718	422946.87	89	.00	581365	158418.13	73
22-01	LICENSED POLICE/FIRE	205715	100881.60	49	2013580	2177697.10	108	.00	2425025	247327.90	90
22-02	STATE CONTRIBUTIONS	22917	.00	0	229170	.00	0	.00	275011	275011.00	0
22-03	ICMA - CITY MANAGER	668	572.76	86	6680	6058.51	91	.00	8021	1962.49	76

FUND 001 GENERAL FUND

ELE OBJ	ACCOUNT DESCRIPTION	******MONTH-TO-DATE******* BUDGET	ACTUAL	%EXP	**********YEAR-TO-DATE******* BUDGET	ACTUAL	%EXP	ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
22 **	RETIREMENT CONTRIBUTIONS	282078	142961.67	51	2725148	2606702.48	96	.00	3289422	682719.52	79
23-00	LIFE/HEALTH INSURANCE	257870	215781.82	84	2572554	2187854.34	85	2112.00	3088413	898446.66	71
23-03	CONTRA CIGNA SAVINGS	0	.00	0	0	.00	0	.00	0	.00	0
23 **	LIFE/HEALTH INSURANCE	257870	215781.82	84	2572554	2187854.34	85	2112.00	3088413	898446.66	71
24-00	WORKER'S COMPENSATION	51905	28583.40	55	524519	413927.58	79	.00	628406	214478.42	66
24 **	WORKER'S COMPENSATION	51905	28583.40	55	524519	413927.58	79	.00	628406	214478.42	66
25-00	UNEMPLOYMENT COMPENSATION	541	1813.35	335	15085	7959.30	53	1813.35-	16170	10024.05	38
25 **	UNEMPLOYMENT COMPENSATION	541	1813.35	335	15085	7959.30	53	1813.35-	16170	10024.05	38
27-00	CAFETERIA PLAN	19816	18015.00	91	193092	176767.30	92	.00	232730	55962.70	76
27 **	CAFETERIA PLAN	19816	18015.00	91	193092	176767.30	92	.00	232730	55962.70	76
31-00	PROFESSIONAL SERVICES	42530	2382.00	6	456366	259611.64	57	138739.31	541460	143109.05	74
31-01	LEGAL FEES	36469	30316.55	83	364189	276765.17	76	119705.58	437130	40659.25	91
31-02	MEDICAL SERVICES	3865	991.92	26	27157	8251.60	30	26487.02	34897	158.38	100
31-03	ENGINEERING SERVICES	0	.00	0	0	.00	0	.00	0	.00	0
31-05	EMS 1ST RESPONDER	1093	.00	0	10930	13125.00	120	.00	13125	.00	100
31-33	EMPLOYEE HEALTH CENTER	19272	5163.14	27	192720	112967.43	59	118296.57	231264	.00	100
31 **	PROFESSIONAL SERVICES	103229	38853.61	38	1051362	670720.84	64	403228.48	1257876	183926.68	85
32-00	ACCOUNTING & AUDITING	4014	.00	0	38973	43500.00	112	.00	47000	3500.00	93
32 **	ACCOUNTING & AUDITING	4014	.00	0	38973	43500.00	112	.00	47000	3500.00	93
34-00	CONTRACT SERVICES	97504	11290.05	12	828457	678911.76	82	245133.22	1023543	99498.02	90
34-03	CUSTOMER SERVICE CONTRACT	152617	150439.51	99	1526170	1349654.43	88	.00	1831411	481756.57	74
34-07	JANITORIAL CONTRACT SVS	0	.00	0	0	.00	0	.00	0	.00	0
34-09	MOWING CONTRACTS	1250	.00	0	12500	7980.00	64	3420.00	15000	3600.00	76
34-10	COST OF GENERAL FUND SVCS	0	.00	0	0	.00	0	.00	0	.00	0
34 **	CONTRACT SERVICES	251371	161729.56	64	2367127	2036546.19	86	248553.22	2869954	584854.59	80

FUND 001 GENERAL FUND

ELE OBJ	ACCOUNT DESCRIPTION	******MONTH-TO-DATE******* BUDGET	ACTUAL	%EXP	**********YEAR-TO-DATE******* BUDGET	ACTUAL	%EXP	ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
39-00	CONTINGENCY	5728	.00	0	119871	.00	0	.00	131330	131330.00	0
39-01	EMS RESTRICTED	0	.00	0	0	.00	0	.00	0	.00	0
39-10	RESERVE CONTINGENCY	0	.00	0	0	.00	0	.00	0	.00	0
39-11	SERIES 2010 GF BOND	0	.00	0	0	.00	0	.00	0	.00	0
39-15	WAGE AND SALARY	4447	.00	0	35576	.00	0	.00	0	.00	0
39-20	FUEL, OIL & LUBRICANTS	0	.00	0	0	.00	0	.00	0	.00	0
39 **	CONTINGENCY	10175	.00	0	155447	.00	0	.00	131330	131330.00	0
40-00	TRAVEL & PER DIEM	3006	496.30	17	30855	11801.97	38	.00	36956	25154.03	32
40-01	CAR ALLOWANCE	0	.00	0	0	.00	0	.00	0	.00	0
40 **	TRAVEL & PER DIEM	3006	496.30	17	30855	11801.97	38	.00	36956	25154.03	32
41-00	COMMUNICATION	14041	8793.67	63	124265	106677.12	86	37160.60	152395	8557.28	94
41 **	COMMUNICATION	14041	8793.67	63	124265	106677.12	86	37160.60	152395	8557.28	94
42-00	POSTAGE & FREIGHT	34492	28259.46	82	352399	320726.92	91	75478.21	421470	25264.87	94
42 **	POSTAGE & FREIGHT	34492	28259.46	82	352399	320726.92	91	75478.21	421470	25264.87	94
43-00	ELECTRIC/WATER/SEWER	53687	50504.11	94	535868	443024.39	83	172487.03	643268	27756.58	96
43 **	ELECTRIC/WATER/SEWER	53687	50504.11	94	535868	443024.39	83	172487.03	643268	27756.58	96
44-00	RENTALS AND LEASES	14926	10061.33	67	147836	119294.02	81	41895.21	177736	16546.77	91
44 **	RENTALS AND LEASES	14926	10061.33	67	147836	119294.02	81	41895.21	177736	16546.77	91
45-00	INSURANCE	32775	89562.67	273	319824	348594.32	109	.00	385428	36833.68	90
45 **	INSURANCE	32775	89562.67	273	319824	348594.32	109	.00	385428	36833.68	90
46-00	REPAIRS & MAINTENANCE	32726	11919.27	36	323020	248799.82	77	50080.71	388542	89661.47	77
46-02	REPAIR/MAINT BUILDINGS	44926	4494.74	10	483757	193203.58	40	10670.70	573616	369741.72	36
46-03	REPAIR/MAINT-VEHICLES	19613	11727.91	60	196130	140501.76	72	1220.41	235413	93690.83	60
46-05	HYDRANT FEES	12083	14734.35	122	120830	131211.00	109	.00	145000	13789.00	91
46-15	INSURED VEHICLE ACCIDENT	0	.00	0	0	.00	0	.00	0	.00	0

FUND 001 GENERAL FUND

ELE OBJ	ACCOUNT DESCRIPTION	******MONTH-TO-DATE******* BUDGET	ACTUAL	%EXP	**********YEAR-TO-DATE******* BUDGET	ACTUAL	%EXP	ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
46 **	REPAIRS & MAINTENANCE	109348	42876.27	39	1123737	713716.16	64	61971.82	1342571	566883.02	58
47-00	PRINTING & BINDING	1277	500.00	39	12752	9538.38	75	318.90	15371	5513.72	64
47 **	PRINTING & BINDING	1277	500.00	39	12752	9538.38	75	318.90	15371	5513.72	64
48-00	PROMOTIONAL ACTIVITIES	5874	1135.66	19	56040	27293.51	49	7000.00	67825	33531.49	51
48-11	BUSINESS ASSIST. PROGRAM	1666	.00	0	16660	.00	0	.00	20000	20000.00	0
48-12	CHRISTMAS TREE EVENT 2009	0	.00	0	0	.00	0	.00	0	.00	0
48 **	PROMOTIONAL ACTIVITIES	7540	1135.66	15	72700	27293.51	38	7000.00	87825	53531.49	39
49-00	OTHER CHARGES & OBLIG.	36888	5123.93	14	367214	104701.28	29	35724.76	441048	300621.96	32
49-02	LEGAL ADVERTISING/NOTICE	25	.00	0	250	230.17	92	.00	300	69.83	77
49-05	BROWNFIELDS REDEV PROG	33333	18550.00	56	333330	102159.47	31	62035.00	400000	235805.53	41
49-06	BROWNFIELD PROG CITY COST	625	.00	0	6250	.00	0	.00	7500	7500.00	0
49-07	BAD DEBT EXPENSE	12832	4513.63-	35-	128320	78289.95-	61-	.00	154000	232289.95	51-
49-08	CASH OVER/SHORT	0	.00	0	0	.00	0	.00	0	.00	0
49-15	OBSOLETE INVENTORY	287	859.11	299	287	859.11	299	.00	860	.89	100
49-17	DAMAGED INVENTORY	0	.00	0	0	.00	0	.00	0	.00	0
49-21	PD INVESTIGATIVE FUNDS	0	.00	0	0	.00	0	.00	0	.00	0
49 **	OTHER CHARGES & OBLIG.	83990	20019.41	24	835651	129660.08	16	97759.76	1003708	776288.16	23
52-00	OPERATING SUPPLIES	69777	17969.94	26	658347	585348.44	89	94552.34	798039	118138.22	85
52-02	UNIFORMS	1566	594.19	38	15660	11015.69	70	4072.66	18800	3711.65	80
52-05	EMS 1st RESP-CONSUM SUPP	2331	3360.59	144	23310	29793.61	128	351.78	27981	2164.39-	108
52-07	JANITORIAL SUPPLIES	2084	1414.30	68	20840	17900.12	86	.00	25018	7117.88	72
52-10	HEATING FUEL	110	.00	0	1100	808.45	74	517.55	1326	.00	100
52-30	FUEL OIL & LUBRICANTS	23316	15638.62	67	233985	128928.81	55	.00	280671	151742.19	46
52-33	EMPLOYEE HEALTH CENTER	4672	15.33	0	46720	32792.52	70	23271.48	56064	.00	100
52 **	OPERATING SUPPLIES	103856	38992.97	38	999962	806587.64	81	122765.81	1207899	278545.55	77

FUND 001 GENERAL FUND

ELE OBJ	ACCOUNT DESCRIPTION	******MONTH-TO-DATE******* BUDGET	ACTUAL	%EXP	**********YEAR-TO-DATE******* BUDGET	ACTUAL	%EXP	ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
53-00	ROAD MATERIALS/SUPPLIES	8666	2573.99	30	87662	27535.94	31	12500.69	105000	64963.37	38
53 **	ROAD MATERIALS/SUPPLIES	8666	2573.99	30	87662	27535.94	31	12500.69	105000	64963.37	38
54-00	MEMBERSHIP/PUBLICATIONS	3237	3038.93	94	31060	28591.60	92	1743.00	37629	7294.40	81
54 **	MEMBERSHIP/PUBLICATIONS	3237	3038.93	94	31060	28591.60	92	1743.00	37629	7294.40	81
55-00	TRAINING	6929	7358.00	106	69145	51118.90	74	12107.84	83119	19892.26	76
55-01	EDA PROGRAM	0	.00	0	0	.00	0	.00	0	.00	0
55 **	TRAINING	6929	7358.00	106	69145	51118.90	74	12107.84	83119	19892.26	76
58-97	LABOR	0	.00	0	0	.00	0	.00	0	.00	0
58-98	EQUIPMENT	0	.00	0	0	.00	0	.00	0	.00	0
58-99	OTHER CHARGES	0	.00	0	0	.00	0	.00	0	.00	0
58 **	WORK ORDER CHARGES	0	.00	0	0	.00	0	.00	0	.00	0
59-00	DEPRECIATION EXPENSE	0	.00	0	0	.00	0	.00	0	.00	0
59 **	DEPRECIATION EXPENSE	0	.00	0	0	.00	0	.00	0	.00	0
61-00	LAND	78823	.00	0	775359	811885.96	105	.00	933000	121114.04	87
61 **	LAND	78823	.00	0	775359	811885.96	105	.00	933000	121114.04	87
62-00	BUILDINGS	117701	247090.94	210	343301	280894.58	82	270175.25	578709	27639.17	95
62-33	EMPLOYEE HEALTH CENTER	0	.00	0	0	.00	0	.00	0	.00	0
62 **	BUILDINGS	117701	247090.94	210	343301	280894.58	82	270175.25	578709	27639.17	95
63-00	INFRASTRUCTURE	378806	9369.60	3	2155757	1330633.27	62	601707.81	2913363	981021.92	66
63 **	INFRASTRUCTURE	378806	9369.60	3	2155757	1330633.27	62	601707.81	2913363	981021.92	66
64-00	MACHINERY AND EQUIPMENT	171834	1450.00	1	1740987	1499210.06	86	271115.51	2084691	314365.43	85
64-01	JAG GRANT	2290	.00	0	16293	20873.99	128	.00	20874	.01	100
64-15	IT HARDWARE	2099	.00	0	28649	13942.92	49	.00	32855	18912.08	42
64-33	EMPLOYEE HEALTH CENTER	0	.00	0	0	.00	0	.00	0	.00	0
64 **	MACHINERY AND EQUIPMENT	176223	1450.00	1	1785929	1534026.97	86	271115.51	2138420	333277.52	84

FUND 001 GENERAL FUND

ELE OBJ	ACCOUNT DESCRIPTION	******MONTH-TO-DATE******* BUDGET	ACTUAL	%EXP	**********YEAR-TO-DATE******* BUDGET	ACTUAL	%EXP	ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
68-10	SFTWR & OTHER INTANGIBLES	4450	.00	0	56098	54763.66	98	3200.00	65000	7036.34	89
68 **	INTANGIBLE ASSETS	4450	.00	0	56098	54763.66	98	3200.00	65000	7036.34	89
71-00	DEBT SERVICE - PRINCIPAL	0	.00	0	0	.00	0	.00	0	.00	0
71 **	DEBT SERVICE - PRINCIPAL	0	.00	0	0	.00	0	.00	0	.00	0
72-00	DEBT SERVICE - INTEREST	0	.00	0	0	.00	0	.00	0	.00	0
72 **	DEBT SERVICE - INTEREST	0	.00	0	0	.00	0	.00	0	.00	0
73-00	'93 BOND ADMIN EXPENSE	0	.00	0	0	.00	0	.00	0	.00	0
73 **	'93 BOND ADMIN EXPENSE	0	.00	0	0	.00	0	.00	0	.00	0
81-00	AIDS TO GOVT AGENCY	55681	.00	0	545905	657272.00	120	.00	657272	.00	100
81 **	AIDS TO GOVT AGENCY	55681	.00	0	545905	657272.00	120	.00	657272	.00	100
82-01	ECON DEV INCENTIVE CONTR	0	.00	0	0	.00	0	.00	0	.00	0
82 **	AID PRIVATE ORGANIZATION	0	.00	0	0	.00	0	.00	0	.00	0
83-00	OTHER GRANTS & AIDS	0	.00	0	0	.00	0	.00	0	.00	0
83-01	MISC GRANTS/DONATIONS	533	.00	0	60194	54311.60	90	.00	61271	6959.40	89
83 **	OTHER GRANTS AND AIDS	533	.00	0	60194	54311.60	90	.00	61271	6959.40	89
91-03	CDBG (103)	0	.00	0	0	.00	0	.00	0	.00	0
91-04	BC HOME (104)	0	.00	0	0	.00	0	.00	0	.00	0
91-10	CRA (110)	0	.00	0	0	.00	0	.00	0	.00	0
91-11	DIAMOND SQUARE (111)	4167	.00	0	16668	.00	0	.00	25000	25000.00	0
91-12	US 1 CORRIDOR (112)	0	.00	0	0	.00	0	.00	0	.00	0
91-20	TRANSFER TO DEBT SVC 201	0	.00	0	0	.00	0	.00	0	.00	0
91-21	WATER SEWER 421	0	.00	0	0	.00	0	.00	0	.00	0
91-23	TO STORMWATER 423	0	.00	0	0	.00	0	.00	0	.00	0
91-25	TO RESTRICTED ASSET 425	0	.00	0	0	.00	0	.00	0	.00	0
91-30	GF CAPITAL PROJECTS 301	166666	.00	0	1666660	.00	0	.00	2000000	2000000.00	0

FUND 001 GENERAL FUND

ELE OBJ	ACCOUNT DESCRIPTION	******MONTH-TO-DATE******* BUDGET	ACTUAL	%EXP	**********YEAR-TO-DATE******* BUDGET	ACTUAL	%EXP	ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
91-52	SELF INSURANCE FUND 520	0	.00	0	0	.00	0	.00	0	.00	0
91-53	HEALTH INSURANCE FUND 530	67544	.00	0	270176	.00	0	.00	405266	405266.00	0
91 **	INTERFUND TRANSFER	238377	.00	0	1953504	.00	0	.00	2430266	2430266.00	0
FUND 001	TOTAL *********										
	GENERAL FUND	3640112	2148506.41	59	33456408	26523216.14	79	2441467.79	40694175	11729491.07	71
GRAND	TOTAL *********										
		3640112	2148506.41	59	33456408	26523216.14	79	2441467.79	40694175	11729491.07	71

FY 2016 Budget by Classification Report - Summary Listing

Through 7/31/2016

Target for July is 83%

FUND 421 - WATER/SEWER FUND

	Amended Budget	YTD Encumbrances	YTD Actual Transactions	Budget - YTD Transactions	% Used/Rec'd
REVENUE					
IMPACT FEES	$ 1,475,632		$ 1,228,985.00	$ 246,647.00	83%
CHARGES FOR SERVICES	$ 55,252,361		$ 44,911,156.99	$ 10,341,204.01	81%
MISCELLANEOUS	$ 118,715		$ 576,306.49	$ (457,591.49)	485%
OTHER SOURCES (NON-REVENUE)	$ 31,131,585		$ 430,327.89	$ 30,701,257.11	1%
REVENUE TOTALS	**$ 87,978,293**	-	**$ 47,146,776.37**	**$ 40,831,516.63**	**54%**
EXPENSE			$ -		
SALARIES AND BENEFITS	$ 12,583,126	$ 732.95	$ 8,533,403.80	$ 4,048,989.25	68%
OPERATING EXPENDITURES	$ 22,458,969	$ 4,176,120.53	$ 13,742,328.83	$ 4,540,519.64	80%
CAPITAL OUTLAY	$ 36,568,593	$ 18,174,954.49	$ 9,365,901.28	$ 9,027,737.23	75%
GRANTS, AIDS AND OTHER	$ 16,367,605	$ -	$ 6,345,973.00	$ 10,021,632.00	39%
EXPENSE TOTALS	**$ 87,978,293**	**$ 22,351,807.97**	**$ 37,987,606.91**	**$ 27,638,878.12**	69%
REVENUE TOTALS	**$ 87,978,293**	**$ -**	**$ 47,146,776.37**	**$ 40,831,516.63**	**54%**
EXPENSE TOTALS	**$ 87,978,293**	**$ 22,351,807.97**	**$ 37,987,606.91**	**$ 27,638,878.12**	**69%**
	$ -	**$ (22,351,807.97)**	**$ 9,159,169.46**		

CITY OF COCOA, FLORIDA

FUND 421 WATER/SEWER ENTERPRISE

ACCOUNT	ACCOUNT DESCRIPTION	CURRENT ESTIMATED	CURRENT ACTUAL	%REV	YEAR-TO-DATE ESTIMATED	YEAR-TO-DATE ACTUAL	%REV	ANNUAL ESTIMATE	UNREALIZED BALANCE
320	OTHER PERMITS & FEES								
324	IMPACT FEES								
03 10	WATER - RESIDENTIAL	56,492	100,510.00	178	564,920	829,595.00	147	677,913	151,682.00-
03 11	WATER - COMMERCIAL	58,798	83,475.00	142	587,980	363,965.00	62	705,582	341,617.00
03 20	SEWER - RESIDENTIAL	691	.00		6,910	28,175.00	408	8,292	19,883.00-
03 21	SEWER - COMMERCIAL	6,987	3,125.00	45	69,870	7,250.00	10	83,845	76,595.00
03 *	IMPACT FEES	122,968	187,110.00	152	1,229,680	1,228,985.00	100	1,475,632	246,647.00
324 **	IMPACT FEES	122,968	187,110.00	152	1,229,680	1,228,985.00	100	1,475,632	246,647.00
320 ***	OTHER PERMITS & FEES	122,968	187,110.00	152	1,229,680	1,228,985.00 ✓	100	1,475,632 ✓	246,647.00 ✓
330	INTERGOVERNMENTAL REVENUE								
331	FEDERAL GRANTS								
90 00	OTHER FEDERAL GRANT-BABS	0	.00		0	304,395.56		0	304,395.56-
331 **	FEDERAL GRANTS	0	.00		0	304,395.56		0	304,395.56-
337	GRANTS FROM LOCAL UNITS								
30 00	PHYSICAL ENVIRONMENT	0	.00		0	.00		0	.00
30 02	SJRWMD - BRACCO RESERVOIR	0	.00		0	.00		0	.00
30 08	SJRWMD - SUPP SUPPLY WELL	0	.00		0	.00		0	.00
30 *	PHYSICAL ENVIRONMENT	0	.00		0	.00		0	.00
337 **	GRANTS FROM LOCAL UNITS	0	.00		0	.00		0	.00
330 ***	INTERGOVERNMENTAL REVENUE	0	.00		0	304,395.56 ✓		0	304,395.56-
340	CHARGES FOR SERVICES								
343	PHYSICAL ENVIRONMENT								
30 10	EARNED NOT BILLED	0	.00		0	.00		0	.00
31 00	WATER SALES	3,906,059	4,075,764.27	104	39,060,590	37,677,043.41	97	46,872,714	9,195,670.59
33 00	WATER CONNECTION FEE	20,000	49,411.02	247	200,000	341,591.23	171	240,000	101,591.23-
33 02	WATER CONNECT - GRISSOM	0	.00		0	262.36		0	262.36-
33 *	WATER CONNECTION FEE	20,000	49,411.02	247	200,000	341,853.59	171	240,000	101,853.59-
36 00	WATER HYDRANT FEES	211,026	256,666.48	122	2,110,260	2,281,985.25	108	2,532,321	250,335.75
39 00	WATER OTHER INCOME	0	.00		0	.00		0	.00
39 02	FDOT EASEMENT PAYMENT	0	.00		0	.00		0	.00
39 06	HYDRANT RESID FLOW TEST	125	600.00	480	1,250	4,300.00	344	1,500	2,800.00-
39 07	BACKFLOW DEVICE TEST	12,083	18,482.36	153	120,830	148,704.01	123	145,000	3,704.01-
39 08	JUMPER METERS	58	100.00	172	580	1,700.00	293	700	1,000.00-
39 09	PLAN REVIEW/CONST INSPECT	1,000	4,000.00	400	10,000	22,500.00	225	12,000	10,500.00-
39 10	BACKFLOW PRV/RLCT TEMP	208	55.42	27	2,080	759.62	37	2,500	1,740.38

FUND 421 WATER/SEWER ENTERPRISE

ACCOUNT	ACCOUNT DESCRIPTION	CURRENT ESTIMATED	CURRENT ACTUAL	%REV	YEAR-TO-DATE ESTIMATED	YEAR-TO-DATE ACTUAL	%REV	ANNUAL ESTIMATE	UNREALIZED BALANCE
340	CHARGES FOR SERVICES								
343	PHYSICAL ENVIRONMENT								
39 11	PORT ACCESS CHARGE	0	.00		0	.00		0	.00
39 12	CROSS CONNECTION CONTROL	0	.00		0	.00		0	.00
39 *	WATER OTHER INCOME	13,474	23,237.78	173	134,740	177,963.63	132	161,700	16,263.63-
51 00	SEWER SALES	428,465	427,914.18	100	4,284,650	4,156,349.76	97	5,141,581	985,231.24
51 10	EARNED NOT BILLED	0	.00		0	.00		0	.00
51 *	SEWER SALES	428,465	427,914.18	100	4,284,650	4,156,349.76	97	5,141,581	985,231.24
53 02	SEWER CONNECT - FINANCED	0	.00		0	1,600.10		0	1,600.10-
53 04	SEWER CONNECT- GRISSOM	0	.00		0	1,500.87		0	1,500.87-
53 05	REUSE CONNECT - GRISSOM	0	.00		0	.00		0	.00
53 *	SEWER CONNECTION FEES	0	.00		0	3,100.97		0	3,100.97-
59 01	GREASE TRAP PERMITS	516	545.99	106	5,160	5,361.90	104	6,200	838.10
60 00	REUSE WATER	23,820	29,239.43	123	238,200	261,010.56	110	285,845	24,834.44
60 01	REUSE WATER INSTALLATION	1,000	160.69	16	10,000	6,487.92	65	12,000	5,512.08
60 10	EARNED NOT BILLED	0	.00		0	.00		0	.00
60 *	REUSE WATER	24,820	29,400.12	119	248,200	267,498.48	108	297,845	30,346.52
90 10	OTHER EARNED NOT BILLED	0	.00		0	.00		0	.00
343 **	PHYSICAL ENVIRONMENT	4,604,360	4,862,939.84	106	46,043,600	44,911,156.99	98	55,252,361	10,341,204.01
340 ***	CHARGES FOR SERVICES	4,604,360	4,862,939.84	106	46,043,600	44,911,156.99	98	55,252,361	10,341,204.01
360	MISCELLANEOUS REVENUES								
361	INTEREST AND OTHR EARNING								
10 00	INTEREST	4,367	590.11	14	43,670	125,459.04	287	52,415	73,044.04-
10 10	SBA	0	.00		0	.40		0	.40-
10 *	INTEREST	4,367	590.11	14	43,670	125,459.44	287	52,415	73,044.44-
20 00	DIVIDENDS	0	.00		0	.00		0	.00
38 00	NET INC/DEC-FMV INVESTMNT	0	.00		0	5,072.01-		0	5,072.01
40 00	GAIN/LOSS SALE OF INVEST	0	.00		0	.00		0	.00
361 **	INTEREST AND OTHR EARNING	4,367	590.11	14	43,670	120,387.43	276	52,415	67,972.43-
362	RENT AND ROYALTIES								
00 00	RENT AND ROYALTIES	108	.00		1,080	1,300.00	120	1,300	.00
362 **	RENT AND ROYALTIES	108	.00		1,080	1,300.00	120	1,300	.00

CITY OF COCOA, FLORIDA

FUND 421 WATER/SEWER ENTERPRISE

ACCOUNT	ACCOUNT DESCRIPTION	CURRENT ESTIMATED	CURRENT ACTUAL	CURRENT %REV	YEAR-TO-DATE ESTIMATED	YEAR-TO-DATE ACTUAL	YEAR-TO-DATE %REV	ANNUAL ESTIMATE	UNREALIZED BALANCE
360	MISCELLANEOUS REVENUES								
362	RENT AND ROYALTIES								
364	DISPOSITION FIXED ASSETS								
00 00	DISPOSITION FIXED ASSETS	1,250	6,909.00	553	12,500	102,119.21	817	15,000	87,119.21-
10 00	GAIN/LOSS	0	.00		0	.00		0	.00
364 **	DISPOSITION FIXED ASSETS	1,250	6,909.00	553	12,500	102,119.21	817	15,000	87,119.21-
365	SALES OF SURPLUS SCRAP								
00 00	SALES OF SURPLUS SCRAP	833	678.45	81	8,330	7,028.45	84	10,000	2,971.55
365 **	SALES OF SURPLUS SCRAP	833	678.45	81	8,330	7,028.45	84	10,000	2,971.55
366	CONTRIBUTIONS & DONATIONS								
00 00	CONTRIBUTIONS & DONATIONS	0	.00		0	.00		0	.00
366 **	CONTRIBUTIONS & DONATIONS	0	.00		0	.00		0	.00
369	OTHER MISC REVENUES								
90 00	OTHER MISC REVENUES	3,333	373.44	11	33,330	41,075.84	123	40,000	1,075.84-
90 06	SETTLEMENTS	0	.00		0	.00		0	.00
90 *	OTHER MISC REVENUES	3,333	373.44	11	33,330	41,075.84	123	40,000	1,075.84-
96 00	INSURANCE REFUND PROCEEDS	0	.00		0	.00		0	.00
369 **	OTHER MISC REVENUES	3,333	373.44	11	33,330	41,075.84	123	40,000	1,075.84-
360 ***	MISCELLANEOUS REVENUES	9,891	8,551.00	87	98,910	271,910.93	275	118,715	153,195.93-
380	OTHER SOURCES(NON-REV)								
381	INTERFUND TRANSFER								
45 03	OFFSITE IMPROVEMENT TFER	0	.00		0	.00		0	.00
91 01	GENERAL FUND (001)	0	.00		0	.00		0	.00
91 10	TRANSFER FROM REDEVELOP	0	.00		0	.00		0	.00
91 23	STORMWATER	0	.00		0	.00		0	.00
91 25	RESTRICTED ASSETS	0	.00		0	.00		0	.00
91 30	CAP PROJECT FUND	0	.00		0	.00		0	.00
91 *	TRANSFER FROM	0	.00		0	.00		0	.00
381 **	INTERFUND TRANSFER	0	.00		0	.00		0	.00
383	INSTLMT PURCH/CAP LEASE								
10 00	INSTALMNT PURC/CAP LEASE	0	.00		0	.00		0	.00
383 **	INSTLMT PURCH/CAP LEASE	0	.00		0	.00		0	.00

CITY OF COCOA, FLORIDA

FUND 421 WATER/SEWER ENTERPRISE

ACCOUNT	ACCOUNT DESCRIPTION	CURRENT ESTIMATED	CURRENT ACTUAL	%REV	YEAR-TO-DATE ESTIMATED	YEAR-TO-DATE ACTUAL	%REV	ANNUAL ESTIMATE	UNREALIZED BALANCE
380	OTHER SOURCES(NON-REV)								
383	INSTLMT PURCH/CAP LEASE								
389	NON OPERATING SOURCES								
30 00	LOAN PROCEEDS	0	.00		0	.00		0	.00
41 00	S MAINLAND CONTRIBUTIONS	0	.00		0	.00		0	.00
42 00	DER CIA GRANT MONEY	0	.00		0	.00		0	.00
81 00	CONTRIBUTION LIFT STATION	0	3,625.00		0	42,610.00		0	42,610.00-
82 00	CONTRIBUTION S MAINLAND	0	34,894.12		0	146,960.42		0	146,960.42-
83 00	CONTRIBUTION VIERA	0	40,278.29		0	240,757.47		0	240,757.47-
83 01	THE VIERA COMPANY	0	.00		0	.00		0	.00
83 *	CONTRIBUTION VIERA	0	40,278.29		0	240,757.47		0	240,757.47-
85 00	CONTRIBUTIONS-SUBDIVIDERS	0	.00		0	.00		0	.00
99 10	CASH CARRY FORWARD	0	.00		0	.00		0	.00
99 11	RESTR. CASH CARRY FORWARD	0	.00		0	.00		0	.00
99 50	FUND BAL-APPROP. RESERVES	2,668,630	.00		25,794,310	.00		31,131,585	31,131,585.00
99 51	SERIES 2010 PROCEEDS	0	.00		0	.00		0	.00
99 *	BALANCE FORWARD	2,668,630	.00		25,794,310	.00		31,131,585	31,131,585.00
389 **	NON OPERATING SOURCES	2,668,630	78,797.41	3	25,794,310	430,327.89	2	31,131,585	30,701,257.11
380 ***	OTHER SOURCES(NON-REV)	2,668,630	78,797.41	3	25,794,310	430,327.89 ✓	2	31,131,585 ✓	30,701,257.11 ✓
FUND TOTAL	WATER/SEWER ENTERPRISE	7,405,849	5,137,398.25	69	73,166,500	47,146,776.37 ✓	64	87,978,293 ✓	40,831,516.63 ✓

REPORT SELECTIONS

Fiscal year . . . . . : 2016
Fund . . . . . : 421
All Departments
All Divisions
Suppress accounts with zero balances . . . . : N

FUND 421 WATER/SEWER ENTERPRISE

ELE OBJ	ACCOUNT DESCRIPTION	******MONTH-TO-DATE******* BUDGET	ACTUAL	%EXP	**********YEAR-TO-DATE******* BUDGET	ACTUAL	%EXP	ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
12-00	REGULAR SALARIES & WAGES	585102	450564.89	77	6165163	4895845.76	79	.00	7335419	2439573.24	67
12-10	SALARY ADJUSTMENTS	0	.00	0	0	.00	0	.00	0	.00	0
12-11	LEAVE INCENTIVE SELL BACK	0	.00	0	0	.00	0	.00	0	.00	0
12-12	ACCRUAL PAYOUTS	19670	1817.89	9	66369	107878.11	163	.00	105706	2172.11-	102
12 **	REGULAR SALARIES & WAGES	604772	452382.78	75	6231532	5003723.87	80	.00	7441125	2437401.13	67
13-00	OTHER SALARIES & WAGES	22417	29650.15	132	219642	235682.99	107	.00	264503	28820.01	89
13 **	OTHER SALARIES & WAGES	22417	29650.15	132	219642	235682.99	107	.00	264503	28820.01	89
14-00	OVERTIME	51499	29056.42	56	309970	337591.20	109	.00	412994	75402.80	82
14-01	COMP TIME	0	.00	0	0	.00	0	.00	0	.00	0
14 **	OVERTIME	51499	29056.42	56	309970	337591.20	109	.00	412994	75402.80	82
15-00	SPECIAL PAY	0	.00	0	0	.00	0	.00	0	.00	0
15 **	SPECIAL PAY	0	.00	0	0	.00	0	.00	0	.00	0
20-00	CLOTHING/SHOE ALLOWANCE	1255	55.00	4	12550	2245.00	18	.00	15095	12850.00	15
20 **	CLOTHING/SHOE ALLOWANCE	1255	55.00	4	12550	2245.00	18	.00	15095	12850.00	15
21-00	FICA TAXES	52794	37191.17	70	527940	407430.96	77	.00	633559	226128.04	64
21 **	FICA TAXES	52794	37191.17	70	527940	407430.96	77	.00	633559	226128.04	64
22-00	RETIREMENT CONTRIBUTIONS	96965	63590.45	66	1024290	780111.82	76	.00	1218257	438145.18	64
22-01	POLICE/FIRE	0	.00	0	0	.00	0	.00	0	.00	0
22 **	RETIREMENT CONTRIBUTIONS	96965	63590.45	66	1024290	780111.82	76	.00	1218257	438145.18	64
23-00	LIFE/HEALTH INSURANCE	151571	124081.53	82	1515710	1216885.32	80	.00	1818892	602006.68	67
23-02	LIFE/HEALTH RETIREES	24188	15219.50	63	241880	195787.07	81	1160.90	290263	93315.03	68
23-03	CONTRA CIGNA SAVINGS	0	.00	0	0	.00	0	.00	0	.00	0
23-99	OPEB HEALTH EXPENSE	0	.00	0	0	.00	0	.00	0	.00	0
23 **	LIFE/HEALTH INSURANCE	175759	139301.03	79	1757590	1412672.39	80	1160.90	2109155	695321.71	67
24-00	WORKER'S COMPENSATION	30059	18469.34	61	299686	267296.07	89	.00	359838	92541.93	74

FUND 421 WATER/SEWER ENTERPRISE

ELE OBJ	ACCOUNT DESCRIPTION	******MONTH-TO-DATE******* BUDGET	ACTUAL	%EXP	**********YEAR-TO-DATE******* BUDGET	ACTUAL	%EXP	ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
24 **	WORKER'S COMPENSATION	30059	18469.34	61	299686	267296.07	89	.00	359838	92541.93	74
25-00	UNEMPLOYMENT COMPENSATION	455	427.95	94	4095	1299.50	32	427.95-	5000	4128.45	17
25 **	UNEMPLOYMENT COMPENSATION	455	427.95	94	4095	1299.50	32	427.95-	5000	4128.45	17
26-00	OPEB HEALTH EXPENSE	0	.00	0	0	.00	0	.00	0	.00	0
26 **	OPEB HEALTH EXPENSE	0	.00	0	0	.00	0	.00	0	.00	0
27-00	CAFETERIA PLAN	10300	8400.00	82	103000	85350.00	83	.00	123600	38250.00	69
27 **	CAFETERIA PLAN	10300	8400.00	82	103000	85350.00	83	.00	123600	38250.00	69
31-00	PROFESSIONAL SERVICES	529994	1837.25	0	700695	128292.99	18	73752.99	1760705	1558659.02	12
31-01	LEGAL EXPENSES	8087	3972.50	49	82324	60650.46	74	11267.00	98500	26582.54	73
31-02	MEDICAL SERVICES	0	.00	0	0	.00	0	.00	0	.00	0
31-03	ENGINEERING SERVICES	500	.00	0	5000	.00	0	1230.00	6000	4770.00	21
31-33	EMPLOYEE HEALTH CENTER	13052	3545.24	27	130520	77568.43	59	79062.57	156631	.00	100
31 **	PROFESSIONAL SERVICES	551633	9354.99	2	918539	266511.88	29	165312.56	2021836	1590011.56	21
32-00	ACCOUNTING & AUDITING	4014	.00	0	38973	43500.00	112	.00	47000	3500.00	93
32 **	ACCOUNTING & AUDITING	4014	.00	0	38973	43500.00	112	.00	47000	3500.00	93
34-00	CONTRACT SERVICES	88535	4940.67	6	942202	813392.64	86	172657.00	1119313	133263.36	88
34-09	MOWING CONTRACTS	0	.00	0	0	.00	0	.00	0	.00	0
34-10	COST OF GENERAL FUND SVCS	447249	447250.00	100	4472490	4472500.00	100	.00	5366988	894488.00	83
34 **	CONTRACT SERVICES	535784	452190.67	84	5414692	5285892.64	98	172657.00	6486301	1027751.36	84
39-00	CONTINGENCY	59428-	.00	0	214858	.00	0	.00	96014	96014.00	0
39-02	BOND RESERVE	0	.00	0	0	.00	0	.00	0	.00	0
39-15	WAGE AND SALARY	0	.00	0	0	.00	0	.00	0	.00	0
39 **	CONTINGENCY	59428-	.00	0	214858	.00	0	.00	96014	96014.00	0
40-00	TRAVEL AND PER DIEM	1934	805.84	42	14140	6699.85	47	.00	18036	11336.15	37
40-01	CAR ALLOWANCE	0	.00	0	0	.00	0	.00	0	.00	0

FUND 421 WATER/SEWER ENTERPRISE

ELE OBJ	ACCOUNT DESCRIPTION	******MONTH-TO-DATE******* BUDGET	ACTUAL	%EXP	**********YEAR-TO-DATE******* BUDGET	ACTUAL	%EXP	ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
40 **	TRAVEL AND PER DIEM	1934	805.84	42	14140	6699.85	47	.00	18036	11336.15	37
41-00	COMMUNICATION	10928	5183.62	47	109280	77918.83	71	34424.06	131167	18824.11	86
41 **	COMMUNICATION	10928	5183.62	47	109280	77918.83	71	34424.06	131167	18824.11	86
42-00	FREIGHT & POSTAGE SERVICE	4117	859.81	21	39770	29876.01	75	3855.89	48040	14308.10	70
42 **	FREIGHT & POSTAGE SERVICE	4117	859.81	21	39770	29876.01	75	3855.89	48040	14308.10	70
43-00	ELECTRIC/WATER/SEWER	179879	129310.90	72	1798790	1235428.88	69	886020.90	2158573	37123.22	98
43 **	ELECTRIC/WATER/SEWER	179879	129310.90	72	1798790	1235428.88	69	886020.90	2158573	37123.22	98
44-00	RENTAL AND LEASES	22713	2046.20	9	89834	41874.48	47	80813.51	135293	12605.01	91
44 **	RENTAL AND LEASES	22713	2046.20	9	89834	41874.48	47	80813.51	135293	12605.01	91
45-00	INSURANCE	33638	88404.64	263	327983	351391.90	107	.00	395293	43901.10	89
45 **	INSURANCE	33638	88404.64	263	327983	351391.90	107	.00	395293	43901.10	89
46-00	REPAIRS & MAINTENANCE	528290	160345.22	30	4831645	3607112.73	75	1557901.25	5888276	723262.02	88
46-02	REPAIR/MAINT BUILDING	35772	33717.11	94	393016	243541.68	62	180616.00	464569	40411.32	91
46-03	REPAIR/MAINT-VEHICLES	15131	10536.55	70	151310	122417.53	81	.00	181601	59183.47	67
46-15	INSURED VEHICLE ACCIDENT	0	.00	0	0	.00	0	.00	0	.00	0
46 **	REPAIRS & MAINTENANCE	579193	204598.88	35	5375971	3973071.94	74	1738517.25	6534446	822856.81	87
47-00	PRINTING & BINDING	573	995.00	174	5730	5132.10	90	34.40	6900	1733.50	75
47 **	PRINTING & BINDING	573	995.00	174	5730	5132.10	90	34.40	6900	1733.50	75
48-00	PROMOTIONAL ACTIVITIES	1250	1044.00	84	12500	8290.08	66	1905.00	15000	4804.92	68
48 **	PROMOTIONAL ACTIVITIES	1250	1044.00	84	12500	8290.08	66	1905.00	15000	4804.92	68
49-00	OTHER CHARGES & OBLIG.	2173	6950.19	320	25446	23076.44	91	.00	29824	6747.56	77
49-02	ADVERTISING	0	.00	0	0	.00	0	.00	0	.00	0
49-07	BAD DEBT EXPENSE	2871-	6000.70-	209	110922	76574.84-	69-	.00	105183	181757.84	73-
49-08	CASH OVER & UNDER	17479	17.00	0	35158	69730.14	198	.00	70117	386.86	99
49-09	DOCUMENT RECORDING CHGS	250	829.09-	332-	2500	1995.30-	80-	595.50	3000	4399.80	47-

FUND 421 WATER/SEWER ENTERPRISE

ELE OBJ	ACCOUNT DESCRIPTION	******MONTH-TO-DATE******* BUDGET	ACTUAL	%EXP	**********YEAR-TO-DATE******* BUDGET	ACTUAL	%EXP	ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
49-15	OBSOLETE INVENTORY	284	851.24	300	284	851.24	300	.00	852	.76	100
49-17	DAMAGED INVENTORY	0	.00	0	0	.00	0	.00	0	.00	0
49 **	OTHER CHARGES & OBLIG.	17315	988.64	6	174310	15087.68	9	595.50	208976	193292.82	8
52-00	OPERATING SUPPLIES	290255	176868.81	61	2921916	2149451.76	74	985212.60	3502454	367789.64	90
52-07	JANITORIAL SUPPLIES	852	671.52	79	8520	7844.22	92	.00	10240	2395.78	77
52-30	FUEL OIL & LUBRICANTS	44848	14813.41	33	350480	158962.53	45	68492.82	440219	212763.65	52
52-33	EMPLOYEE HEALTH CENTER	2947	10.53	0	29470	22516.72	76	12851.28	35368	.00	100
52 **	OPERATING SUPPLIES	338902	192364.27	57	3310386	2338775.23	71	1066556.70	3988281	582949.07	85
53-00	ROAD MATERIALS/SUPPLIES	4582	976.59	21	45820	16082.64	35	25427.76	55000	13489.60	76
53 **	ROAD MATERIALS/SUPPLIES	4582	976.59	21	45820	16082.64	35	25427.76	55000	13489.60	76
54-00	MEMBERSHIP/PUBLICATIONS	3137	.00	0	30970	29491.93	95	.00	37252	7760.07	79
54 **	MEMBERSHIP/PUBLICATIONS	3137	.00	0	30970	29491.93	95	.00	37252	7760.07	79
55-00	TRAINING	5812	375.00	7	63894	17302.76	27	.00	75561	58258.24	23
55-01	EDA PROGRAM	0	.00	0	0	.00	0	.00	0	.00	0
55 **	TRAINING	5812	375.00	7	63894	17302.76	27	.00	75561	58258.24	23
59-00	DEPRECIATION EXPENSE	0	.00	0	0	.00	0	.00	0	.00	0
59 **	DEPRECIATION EXPENSE	0	.00	0	0	.00	0	.00	0	.00	0
61-00	LAND	0	.00	0	0	.00	0	.00	0	.00	0
61 **	LAND	0	.00	0	0	.00	0	.00	0	.00	0
62-00	BUILDINGS	6787-	.00	0	13570	.00	0	.00	0	.00	0
62 **	BUILDINGS	6787-	.00	0	13570	.00	0	.00	0	.00	0
63-00	INFRASTRUCTURE	2552845	351640.24	14	28745975	7730662.94	27	17438444.54	33851700	8682592.52	74
63 **	INFRASTRUCTURE	2552845	351640.24	14	28745975	7730662.94	27	17438444.54	33851700	8682592.52	74
64-00	MACHINERY & EQUIPMENT	156056	54548.00	35	2190877	1563160.14	71	672154.43	2503037	267722.43	89
64-15	IT HARDWARE	10946	.00	0	111946	42078.20	38	64355.52	133856	27422.28	80

FUND 421 WATER/SEWER ENTERPRISE

ELE OBJ	ACCOUNT DESCRIPTION	******MONTH-TO-DATE******* BUDGET	ACTUAL	%EXP	**********YEAR-TO-DATE******* BUDGET	ACTUAL	%EXP	ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
64 **	MACHINERY & EQUIPMENT	167002	54548.00	33	2302823	1605238.34	70	736509.95	2636893	295144.71	89
65-00	CONSTRUCTION IN PROGRESS	0	.00	0	0	.00	0	.00	0	.00	0
65 **	CONSTRUCTION IN PROGRESS	0	.00	0	0	.00	0	.00	0	.00	0
68-10	SFTWR & OTHER INTANGIBLES	7073	.00	0	65835	30000.00	46	.00	80000	50000.00	38
68 **	INTANGIBLE ASSETS	7073	.00	0	65835	30000.00	46	.00	80000	50000.00	38
69-99	PROPRIETARY FUNDS ONLY	0	.00	0	0	.00	0	.00	0	.00	0
69 **	CONTRA FIXED ASSET	0	.00	0	0	.00	0	.00	0	.00	0
82-00	AID TO PRIVATE ORGANIZAT	200	.00	0	600	.00	0	.00	1000	1000.00	0
82-01	ECON DEV INCENTIVE CONTR	0	.00	0	0	.00	0	.00	0	.00	0
82 **	AID TO PRIVATE ORGANIZAT	200	.00	0	600	.00	0	.00	1000	1000.00	0
91-01	TRANSFER TO GEN FUND 001	470319	441667.00	94	4636760	4416670.00	95	.00	5577400	1160730.00	79
91-23	TO STORMWATER 423	0	.00	0	0	.00	0	.00	0	.00	0
91-25	TO RESTRICTED ASSET 425	749658	.00	0	7496580	772603.00	10	.00	8995897	8223294.00	9
91-30	GF CAPITAL PROJECTS 301	0	.00	0	0	.00	0	.00	0	.00	0
91-52	SELF INSURANCE FUND 520	0	.00	0	0	.00	0	.00	0	.00	0
91-53	HEALTH INSURANCE FUND 530	67544	.00	0	270176	.00	0	.00	405266	405266.00	0
91 **	INTERFUND TRANSFER	1287521	441667.00	34	12403516	5189273.00	42	.00	14978563	9789290.00	35
95-01	6% ILO FRANCHISE FEE	115670	115670.00	100	1156700	1156700.00	100	.00	1388042	231342.00	83
95 **	NONOPERATING	115670	115670.00	100	1156700	1156700.00	100	.00	1388042	231342.00	83
FUND 421	TOTAL ********* WATER/SEWER ENTERPRISE	7405775	2831548.58	38	73165754	37987606.91	52	22351807.97	87978293	27638878.12	69
GRAND	TOTAL *********	7405775	2831548.58	38	73165754	37987606.91	52	22351807.97	87978293	27638878.12	69

FY 2016 Budget by Classification Report - Summary Listing

Through 7/31/2016

Target for July is 83%

FUND 423 - STORMWATER FUND

	Amended Budget	YTD Encumbrances	YTD Actual Transactions	Budget - YTD Transactions	% Used/Rec'd
REVENUE					
CHARGES FOR SERVICES	$ 1,317,995		$ 1,151,917.05	$ 166,077.95	87%
MISCELLANEOUS	$ 52,000		$ 9,557.13	$ 42,442.87	18%
OTHER SOURCES (NON-REVENUE)	$ 1,427,440		$ -	$ 1,427,440.00	0%
REVENUE TOTALS	**$ 2,797,435**	**$ -**	**$ 1,161,474.18**	**$ 1,635,960.82**	**42%**
EXPENSE					
SALARIES AND BENEFITS	$ 560,256	$ -	$ 414,918.79	$ 145,337.21	74%
OPERATING EXPENDITURES	$ 458,179	$ 120,539.49	$ 140,637.75	$ 197,001.76	57%
CAPITAL OUTLAY	$ 1,760,250	$ 267,571.70	$ 383,605.93	$ 1,109,072.37	37%
OTHER SOURCES (NON-REVENUE)	$ 18,750	$ -	$ -	$ 18,750.00	0%
EXPENSE TOTALS	**$ 2,797,435**	**$ 388,111.19**	**$ 939,162.47**	**$ 1,470,161.34**	**47%**
REVENUE TOTALS	**$ 2,797,435**	**$ -**	**$ 1,161,474.18**	**$ 1,635,960.82**	**42%**
EXPENSE TOTALS	**$ 2,797,435**	**$ 388,111.19**	**$ 939,162.47**	**$ 1,470,161.34**	**47%**
	$ -	**$ (388,111.19)**	**$ 222,311.71**		

CITY OF COCOA, FLORIDA

FUND 423 STORMWATER UTILITY

ACCOUNT	ACCOUNT DESCRIPTION	CURRENT ESTIMATED	CURRENT ACTUAL	CURRENT %REV	YEAR-TO-DATE ESTIMATED	YEAR-TO-DATE ACTUAL	YEAR-TO-DATE %REV	ANNUAL ESTIMATE	UNREALIZED BALANCE
330	INTERGOVERNMENTAL REVENUE								
331	FEDERAL GRANTS								
39 10	FED GRANT -TRANSPORTATION	0	.00		0	.00		0	.00
331 **	FEDERAL GRANTS	0	.00		0	.00		0	.00
337	GRANTS FROM LOCAL UNITS								
30 00	PHYSICAL ENVIRONMENT	4,166	.00		41,660	.00		50,000	50,000.00
337 **	GRANTS FROM LOCAL UNITS	4,166	.00		41,660	.00		50,000	50,000.00
330 ***	INTERGOVERNMENTAL REVENUE	4,166	.00		41,660	.00		50,000	50,000.00
340	CHARGES FOR SERVICES								
343	PHYSICAL ENVIRONMENT								
39 05	NSF CHECKS	0	.00		0	.00		0	.00
91 00	STORMWATER FEES	109,832	109,715.94	100	1,098,320	1,151,917.05	105	1,317,995	166,077.95
91 10	EARNED NOT BILLED	0	.00		0	.00		0	.00
91 *	STORMWATER FEES	109,832	109,715.94	100	1,098,320	1,151,917.05	105	1,317,995	166,077.95
343 **	PHYSICAL ENVIRONMENT	109,832	109,715.94	100	1,098,320	1,151,917.05	105	1,317,995	166,077.95
340 ***	CHARGES FOR SERVICES	109,832	109,715.94	100	1,098,320	1,151,917.05	105	1,317,995	166,077.95
360	MISCELLANEOUS REVENUES								
361	INTEREST AND OTHR EARNING								
10 00	INTEREST	166	128.43	77	1,660	2,636.51	159	2,000	636.51-
10 10	SBA	0	.00		0	.00		0	.00
10 *	INTEREST	166	128.43	77	1,660	2,636.51	159	2,000	636.51-
20 00	DIVIDENDS	0	.00		0	13.56		0	13.56-
38 00	NET INC/DEC-FMV INVESTMNT	0	.00		0	407.06		0	407.06-
361 **	INTEREST AND OTHR EARNING	166	128.43	77	1,660	3,057.13	184	2,000	1,057.13-
364	DISPOSITION FIXED ASSETS								
00 00	DISPOSITION FIXED ASSETS	0	.00		0	6,500.00		0	6,500.00-
364 **	DISPOSITION FIXED ASSETS	0	.00		0	6,500.00		0	6,500.00-
365	SALES OF SURPLUS SCRAP								
00 00	SALES OF SURPLUS SCRAP	0	.00		0	.00		0	.00
365 **	SALES OF SURPLUS SCRAP	0	.00		0	.00		0	.00
369	OTHER MISC REVENUES								
90 00	OTHER MISC REVENUES	0	.00		0	.00		0	.00

FUND 423 STORMWATER UTILITY

ACCOUNT		ACCOUNT DESCRIPTION	********** CURRENT ********** ESTIMATED	ACTUAL	%REV	******** YEAR-TO-DATE ******** ESTIMATED	ACTUAL	%REV	ANNUAL ESTIMATE	UNREALIZED BALANCE
360		MISCELLANEOUS REVENUES								
369		OTHER MISC REVENUES								
369	**	OTHER MISC REVENUES	0	.00		0	.00		0	.00
360	***	MISCELLANEOUS REVENUES	166	128.43	77	1,660	9,557.13	576	2,000	7,557.13-
380		OTHER SOURCES(NON-REV)								
381		INTERFUND TRANSFER								
91	01	GENERAL FUND (001)	0	.00		0	.00		0	.00
91	21	WATER SEWER FUND (421)	0	.00		0	.00		0	.00
91	*	TRANSFER FROM	0	.00		0	.00		0	.00
381	**	INTERFUND TRANSFER	0	.00		0	.00		0	.00
389		NON OPERATING SOURCES								
90	00	OTHER NONOPERATING SOURCE	0	.00		0	.00		0	.00
99	10	CASH CARRY FORWARD	0	.00		0	.00		0	.00
99	50	FUND BAL-APPROP. RESERVES	118,953	.00		1,189,530	.00		1,427,440	1,427,440.00
99	*	BALANCE FORWARD	118,953	.00		1,189,530	.00		1,427,440	1,427,440.00
389	**	NON OPERATING SOURCES	118,953	.00		1,189,530	.00		1,427,440	1,427,440.00
380	***	OTHER SOURCES(NON-REV)	118,953	.00		1,189,530	.00		1,427,440	1,427,440.00
FUND TOTAL		STORMWATER UTILITY	233,117	109,844.37	47	2,331,170	1,161,474.18	50	2,797,435	1,635,960.82

REPORT SELECTIONS

Fiscal year . . . . . : 2016
Fund . . . . . : 423
All Departments
All Divisions
Suppress accounts with zero balances . . . . : N

FUND 423 STORMWATER UTILITY

ELE OBJ	ACCOUNT DESCRIPTION	******MONTH-TO-DATE******* BUDGET	ACTUAL	%EXP	**********YEAR-TO-DATE******* BUDGET	ACTUAL	%EXP	ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
12-00	REGULAR SALARIES & WAGES	23697	25467.81	108	237510	245255.69	103	.00	284902	39646.31	86
12-10	SALARY ADJUSTMENTS	0	.00	0	0	.00	0	.00	0	.00	0
12-11	LEAVE INCENTIVE SELL BACK	0	.00	0	0	.00	0	.00	0	.00	0
12-12	ACCRUAL PAYOUTS	135	.00	0	810	1081.74	134	.00	1082	.26	100
12 **	REGULAR SALARIES & WAGES	23832	25467.81	107	238320	246337.43	103	.00	285984	39646.57	86
13-00	OTHER SALARIES & WAGES	8050	3011.20	37	80500	29208.65	36	.00	96609	67400.35	30
13 **	OTHER SALARIES & WAGES	8050	3011.20	37	80500	29208.65	36	.00	96609	67400.35	30
14-00	OVERTIME	41	18.75	46	410	634.29	155	.00	500	134.29-	127
14-01	COMP TIME	0	.00	0	0	.00	0	.00	0	.00	0
14 **	OVERTIME	41	18.75	46	410	634.29	155	.00	500	134.29-	127
15-00	SPECIAL PAY	0	.00	0	0	.00	0	.00	0	.00	0
15 **	SPECIAL PAY	0	.00	0	0	.00	0	.00	0	.00	0
20-00	CLOTHING/SHOE ALLOWANCE	41	.00	0	410	165.00	40	.00	495	330.00	33
20 **	CLOTHING/SHOE ALLOWANCE	41	.00	0	410	165.00	40	.00	495	330.00	33
21-00	FICA TAXES	2494	2036.55	82	24940	19818.35	80	.00	29939	10120.65	66
21 **	FICA TAXES	2494	2036.55	82	24940	19818.35	80	.00	29939	10120.65	66
22-00	RETIREMENT CONTRIBUTIONS	2882	2471.30	86	28820	23718.38	82	.00	34584	10865.62	69
22-01	POLICE/FIRE	0	.00	0	0	.00	0	.00	0	.00	0
22 **	RETIREMENT CONTRIBUTIONS	2882	2471.30	86	28820	23718.38	82	.00	34584	10865.62	69
23-00	LIFE/HEALTH INSURANCE	5590	6873.86	123	55900	60054.83	107	.00	67089	7034.17	90
23-03	CONTRA CIGNA SAVINGS	0	.00	0	0	.00	0	.00	0	.00	0
23-99	OPEB HEALTH EXPENSE	0	.00	0	0	.00	0	.00	0	.00	0
23 **	LIFE/HEALTH INSURANCE	5590	6873.86	123	55900	60054.83	107	.00	67089	7034.17	90
24-00	WORKER'S COMPENSATION	3074	2158.66	70	30740	29581.86	96	.00	36896	7314.14	80
24 **	WORKER'S COMPENSATION	3074	2158.66	70	30740	29581.86	96	.00	36896	7314.14	80

FUND 423 STORMWATER UTILITY

ELE OBJ	ACCOUNT DESCRIPTION	******MONTH-TO-DATE******* BUDGET	ACTUAL	%EXP	**********YEAR-TO-DATE******* BUDGET	ACTUAL	%EXP	ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
26-00	OPEB HEALTH EXPENSE	0	.00	0	0	.00	0	.00	0	.00	0
26 **	OPEB HEALTH EXPENSE	0	.00	0	0	.00	0	.00	0	.00	0
27-00	CAFETERIA PLAN	680	680.00	100	6800	5400.00	79	.00	8160	2760.00	66
27 **	CAFETERIA PLAN	680	680.00	100	6800	5400.00	79	.00	8160	2760.00	66
31-00	PROFESSIONAL SERVICES	11208	2280.00	20	112080	14111.50	13	102597.00	134500	17791.50	87
31-01	LEGAL EXPENSES	83	.00	0	830	.00	0	.00	1000	1000.00	0
31-33	EMPLOYEE HEALTH CENTER	488	132.62	27	4880	2901.50	60	2957.50	5859	.00	100
31 **	PROFESSIONAL SERVICES	11779	2412.62	21	117790	17013.00	14	105554.50	141359	18791.50	87
34-00	CONTRACT SERVICES	416	.00	0	4160	1934.98	47	.00	5000	3065.02	39
34-10	COST OF GENERAL FUND SVCS	4759	4759.00	100	47590	47590.00	100	.00	57111	9521.00	83
34 **	CONTRACT SERVICES	5175	4759.00	92	51750	49524.98	96	.00	62111	12586.02	80
39-00	CONTINGENCY	5041	.00	0	76410	.00	0	.00	86500	86500.00	0
39 **	CONTINGENCY	5041	.00	0	76410	.00	0	.00	86500	86500.00	0
40-00	TRAVEL & PER DIEM	183	148.00	81	1830	787.68	43	.00	2200	1412.32	36
40 **	TRAVEL & PER DIEM	183	148.00	81	1830	787.68	43	.00	2200	1412.32	36
41-00	COMMUNICATION	180	64.36	36	1800	609.26	34	890.74	2160	660.00	69
41 **	COMMUNICATION	180	64.36	36	1800	609.26	34	890.74	2160	660.00	69
42-00	POSTAGE & FREIGHT	125	.00	0	1250	703.34	56	120.00	1500	676.66	55
42 **	POSTAGE & FREIGHT	125	.00	0	1250	703.34	56	120.00	1500	676.66	55
43-00	ELECTRIC/WATER/SEWER	1500	971.56	65	15000	8802.93	59	7712.34	18000	1484.73	92
43 **	ELECTRIC/WATER/SEWER	1500	971.56	65	15000	8802.93	59	7712.34	18000	1484.73	92
44-00	RENTALS AND LEASES	357	.00	0	4922	755.50	15	151.10	5635	4728.40	16
44 **	RENTALS AND LEASES	357	.00	0	4922	755.50	15	151.10	5635	4728.40	16
45-00	INSURANCE	599	1861.87	311	5990	7132.78	119	.00	7191	58.22	99
45 **	INSURANCE	599	1861.87	311	5990	7132.78	119	.00	7191	58.22	99

FUND 423 STORMWATER UTILITY

ELE OBJ	ACCOUNT DESCRIPTION	******MONTH-TO-DATE******* BUDGET	ACTUAL	%EXP	**********YEAR-TO-DATE******* BUDGET	ACTUAL	%EXP	ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
46-00	REPAIRS & MAINTENANCE	3666	1355.92	37	36660	21018.77	57	2444.37	44000	20536.86	53
46-02	REPAIR/MAINT BUILDING	0	.00	0	0	.00	0	.00	0	.00	0
46-03	REPAIR/MAINT-VEHICLES	2011	1224.95	61	20110	20432.89	102	1500.00	24135	2202.11	91
46-15	INSURED VEHICLE ACCIDENT	0	.00	0	0	.00	0	.00	0	.00	0
46 **	REPAIRS & MAINTENANCE	5677	2580.87	46	56770	41451.66	73	3944.37	68135	22738.97	67
47-00	PRINTING & BINDING	169	.00	0	338	.00	0	675.00	675	.00	100
47 **	PRINTING & BINDING	169	.00	0	338	.00	0	675.00	675	.00	100
49-00	OTHER CHARGES & OBLIG.	597	.00	0	5970	532.40	9	.00	7175	6642.60	7
49-07	BAD DEBT EXPENSE	833	153.28-	18-	8330	11067.68-	133-	.00	10000	21067.68	111-
49 **	OTHER CHARGES & OBLIG.	1430	153.28-	11-	14300	10535.28-	74-	.00	17175	27710.28	61-
52-00	OPERATING SUPPLIES	1195	29.74	3	11950	6836.90	57	1010.76	14350	6502.34	55
52-07	JANITORIAL SUPPLIES	0	.00	0	0	.00	0	.00	0	.00	0
52-30	FUEL OIL & LUBRICANTS	2172	1810.49	83	21720	13543.64	62	.00	26065	12521.36	52
52-33	EMPLOYEE HEALTH CENTER	110	.39	0	1100	842.32	77	480.68	1323	.00	100
52 **	OPERATING SUPPLIES	3477	1840.62	53	34770	21222.86	61	1491.44	41738	19023.70	54
53-00	ROAD MATERIALS/SUPPLIES	0	.00	0	0	.00	0	.00	0	.00	0
53 **	ROAD MATERIALS/SUPPLIES	0	.00	0	0	.00	0	.00	0	.00	0
54-00	MEMBERSHIP/PUBLICATIONS	66	.00	0	660	522.59	79	.00	800	277.41	65
54 **	MEMBERSHIP/PUBLICATIONS	66	.00	0	660	522.59	79	.00	800	277.41	65
55-00	TRAINING	250	.00	0	2500	2646.45	106	.00	3000	353.55	88
55 **	TRAINING	250	.00	0	2500	2646.45	106	.00	3000	353.55	88
59-00	DEPRECIATION	0	.00	0	0	.00	0	.00	0	.00	0
59 **	DEPRECIATION	0	.00	0	0	.00	0	.00	0	.00	0
61-00	LAND	15750	.00	0	51500	31136.89	61	.00	83000	51863.11	38
61 **	LAND	15750	.00	0	51500	31136.89	61	.00	83000	51863.11	38

FUND 423 STORMWATER UTILITY

ELE OBJ	ACCOUNT DESCRIPTION	******MONTH-TO-DATE******* BUDGET	ACTUAL	%EXP	**********YEAR-TO-DATE******* BUDGET	ACTUAL	%EXP	ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
63-00	INFRASTRUCTURE	117283	.00	0	1252830	162821.04	13	267571.70	1487400	1057007.26	29
63 **	INFRASTRUCTURE	117283	.00	0	1252830	162821.04	13	267571.70	1487400	1057007.26	29
64-00	MACHINERY & EQUIPMENT	15820	.00	0	158200	189648.00	120	.00	189850	202.00	100
64-15	IT HARDWARE	0	.00	0	0	.00	0	.00	0	.00	0
64 **	MACHINERY & EQUIPMENT	15820	.00	0	158200	189648.00	120	.00	189850	202.00	100
69-99	PROPRIETARY FUND	0	.00	0	0	.00	0	.00	0	.00	0
69 **	CONTRA FIXED ASSET	0	.00	0	0	.00	0	.00	0	.00	0
72-00	DEBT SERVICE - INTEREST	0	.00	0	0	.00	0	.00	0	.00	0
72 **	DEBT SERVICE - INTEREST	0	.00	0	0	.00	0	.00	0	.00	0
91-01	TRANSFER TO GEN FUND 001	1562	.00	0	15620	.00	0	.00	18750	18750.00	0
91-21	WATER SEWER 421	0	.00	0	0	.00	0	.00	0	.00	0
91-30	GF CAPITAL PROJECTS 301	0	.00	0	0	.00	0	.00	0	.00	0
91 **	INTERFUND TRANSFER	1562	.00	0	15620	.00	0	.00	18750	18750.00	0
FUND 423	TOTAL ********* STORMWATER UTILITY	233107	57203.75	25	2331070	939162.47	40	388111.19	2797435	1470161.34	47
GRAND	TOTAL *********	233107	57203.75	25	2331070	939162.47	40	388111.19	2797435	1470161.34	47

Legislation Details (With Text)

File #:	16-342	**Version:**	1	**Name:**	
Type:	Informational Item			**Status:**	Agenda Ready
File created:	8/8/2016			**In control:**	City Council
On agenda:	8/23/2016			**Final action:**	
Title:	FY 2016 Budget Adjustment Report. (Finance Director)				
Sponsors:					
Indexes:					
Code sections:					
Attachments:	July 2016 EXPENSE Budget Tracking Worksheet.pdf July 2016 REVENUE Budget Tracking Worksheet.pdf				

Date	Ver.	Action By	Action	Result

CITY COUNCIL AGENDA ITEM

Memo Date: August 8, 2016
Agenda Date: August 23, 2016
Prepared By: Anthony Hagan / Grants Administrator
Through: Teri Butler, CGFO, Finance Director
Requested Action:
FY 2016 Budget Adjustment Report

BACKGROUND:

Pursuant to the Cocoa City Charter, Article XII, Section 5.b., the following report details the budget adjustments that were approved in Fiscal Year 2016 thru July 31, 2016.

STRATEGIC PLAN CONNECTION:

The information contained in this report provides to stakeholders increased transparency related to budget adjustments.

BUDGETARY IMPACT:

None

PREVIOUS ACTION:

None

RECOMMENDED MOTION:
Information Item Only

FY 2016 EXPENSE BUDGET TRACKING WORKSHEET

EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF: 7/31/2016

Date	Accounts	Transaction	Resolution # / Description of Transfer or Amendment		Group #
1000 - CITY COUNCIL					
04/18/16	001-1000-511.40-00	(200)	SHORTFALL IN MEMBERSHIPS AND PUBLICATIONS		2683
	001-1000-511.54-00	200			
05/26/16	001-1000-511.23-00	925	COVER INCREASE IN HLTH INS COST FOR CITY COUNCIL		3275
2 Budget Amendments/Transfers			Division 1000 Total	$925	
1100 - CITY MANAGER'S OFFICE					
11/24/15	001-1100-512.12-00	(7,200)	FROM REG SALARIES & WAGES TO EXECUTIVE /SPECIAL PAY		601
	001-1100-512.15-00	7,200			
04/21/16	001-1100-512.49-00	(827)	ADOBE CREATIVE CLOUD SOFTWARE SUB MEMBER		2750
	001-1100-512.54-00	827			
05/13/16	001-1100-512.23-00	2,750	COVER PAYROLL COSTS FOR THE REMAINDER OF FY 16		3088
	001-1100-512.12-00	8,500			
	001-1100-512.22-00	12,500			
06/01/16	001-1100-512.23-00	2,750	COVER PAYROLL REMAINDER FY16 - MID YEAR ANALYSIS		3338
	001-1100-512.12-00	8,500			
	001-1100-512.22-00	12,500			
4 Budget Amendments/Transfers			Division 1100 Total	$47,500	
1103 - INFORMATION TECHNOLOGY					
10/20/15	001-1103-516.27-00	(2,400)	FROM CAFETERIA PLAN TO CAFETERIA PLAN		602
	001-1103-516.21-00	(3,534)	FROM FICA TAXES TO FICA TAXES		602
	001-1103-516.23-00	(7,591)	FROM LIFE/HEALTH INSURANC TO LIFE/HEALTH INSURANCE		602
	001-1103-516.12-00	(43,784)	FROM REG SALARIES & WAGES TO REG SALARIES & WAGES		602
	001-1103-516.22-00	(3,179)	FROM RETIREMENT CONTRIBUT TO RETIREMENT CONTRIBUTIO		602
	001-1103-516.24-00	(116)	FROM WORKER'S COMP TO WORKER'S COMP		602
01/22/16	001-1103-516.52-00	(5,000)	FROM OPERATING SUPPLIES TO COMMUNICATION SERVICES		1417
	001-1103-516.41-00	5,000			
02/26/16	001-1103-516.52-00	(10,000)	FROM OPERATING SUPPLIES TO MACHINERY AND EQUIPMEN		1919
	001-1103-516.64-00	10,000			
	001-1103-516.52-00	(5,005)	FROM OPERATING SUPPLIES TO PROFESSIONAL SVCS		1919

Date	Accounts	Transaction	Resolution # / Description of Transfer or Amendment		Group #
02/26/16	001-1103-516.31-00	5,005	FROM OPERATING SUPPLIES TO PROFESSIONAL SVCS		1919
03/07/16	001-1103-516.52-00	(7,600)	BUDGET TXFR OPER SUPPLIE TO TRAINING		2034
	001-1103-516.55-00	7,600			
03/17/16	001-1103-516.52-00	(9,000)	TXFR FRM OPERATING SUPPLI TO PROFESSIONAL SERVICES		2166
	001-1103-516.31-00	9,000			
03/30/16	001-1103-516.52-00	(6,000)	TXFR FRM OPERATING SUPPLI TO COMMUNICATION SERVICES		2381
	001-1103-516.41-00	6,000			
04/12/16	001-1103-516.52-00	(2,000)	FINAL BILL AT&T MIS		2571
	001-1103-516.41-00	2,000			
04/14/16	001-1103-516.68-10	(11,600)	SOCIAL MEDIA AND TEXT MSG ARCHIVE COST RECLASS		2628
	001-1103-516.52-00	11,600			
05/04/16	001-1103-516.52-00	2,074	CITY WIDE VHF/UHF RADIO FCC REBAND REQUIREMENT		2934
05/13/16	001-1103-516.12-00	(21,000)	COVER PAYROLL COSTS FOR THE REMAINDER OF FY 16		3088
	001-1103-516.23-00	(2,750)			
06/01/16	001-1103-516.12-00	(21,000)	COVER PAYROLL REMAINDER FY16 - MID YEAR ANALYSIS		3338
	001-1103-516.23-00	(2,750)			
06/06/16	001-1103-516.46-00	(2,000)	COVER ANALOG PHONE LINES FOR ADDTNL MONTH		3396
	001-1103-516.41-00	2,000			
07/18/16	001-1103-516.46-00	(1,500)	MOVE FROM 4600 TO 4100 TO COVER PAST DUE SUNCOM INV		3906
	001-1103-516.41-00	1,500			
	001-1103-516.12-00	(500)	TXFR FNDS FROM SALARY TO OVERTIME - ROBERT STEELE		3906
	001-1103-516.14-00	500			
07/26/16	001-1103-516.46-00	(6,500)	TRANSFER FUNDS TO COVER APPLICATION FEES		4106
	001-1103-516.63-00	6,500			
21	Budget Amendments/Transfers		Division 1103 Total	($106,030)	
1500 - FINANCE GENERAL ACCOUNTNG					
11/25/15	001-1500-513.12-00	(26,030)	FROM REG SALARIES & WAGES TO ACCRUAL PAYOUTS		623
	001-1500-513.12-12	26,030			
01/29/16	001-1500-513.52-00	(500)	FROM OPERATING SUPPLIES TO TRAINING		1603
	001-1500-513.55-00	2,000			
02/19/16	001-1500-513.12-00	(831)	BUD TXFR S&W-ACCR PAYOUT		1806
	001-1500-513.12-12	831			
3	Budget Amendments/Transfers		Division 1500 Total	$1,500	
1505 - PURCHASING					
02/19/16	001-1505-513.12-00	(14,088)	BUD TXFR S&W-ACCR PAYOUT		1806
	001-1505-513.12-12	14,088			
1	Budget Amendments/Transfers		Division 1505 Total	$0	

Date	Accounts	Transaction	Resolution # / Description of Transfer or Amendment		Group #
1510 - FINANCE UTILITY ACCOUNTNG					
01/22/16	001-1510-536.52-00	(40)	FROM OPERATING SUPPLIES TO PRINTING & BINDING		1417
	001-1510-536.47-00	40			
01/29/16	001-1510-536.52-00	(1,500)	FROM OPERATING SUPPLIES TO TRAINING		1603
03/24/16	001-1510-536.34-00	93,000	TXFR FRM OTHER SOURCES NR TO CONTRACT SERVICES		2328
07/05/16	001-1510-536.42-00	(3,000)	COVER UNPLANNED PURCHASES DURING CUST SVC REORG		3747
	001-1510-536.52-00	3,000			
4	Budget Amendments/Transfers		Division 1510 Total	$91,500	
1600 - GENERAL OPERATIONS					
11/10/15	001-1600-513.49-00	(20,000)	TXFR FRM OTHER CHRGS & OB TO UNEMPLOYMENT COMP		440
	001-1600-513.25-00	20,000			
01/22/16	001-1600-513.39-00	(5,000)	FROM CONTINGENCY TO ACCOUNTING & AUDITING		1420
	001-1600-513.32-00	3,500			
	001-1600-513.31-01	1,500	FROM CONTINGENCY TO LEGAL EXPENSES		1420
	001-1600-513.61-00	815,000	LAND		1419
03/24/16	001-1600-513.39-00	(15,269)	TXFR FRM CONTINGENCY TO AIDS TO OTHER GOVT AGE		2327
	001-1600-513.81-00	15,269			
04/18/16	001-1600-513.39-00	(15,438)	ACCRUAL PAYOUT SILVERMAN, MOHESKY, LEWIS, PIPER		2661
	001-1600-581.91-53	405,266	ESTABLISH RESERVES SELF FUNDED MED INSURANCE		2679
	001-1600-513.83-01	(25,000)	INTERLOCAL AGREEMENT PROJ DIAMOND SQUARE CRA		2667
	001-1600-581.91-11	25,000			
05/04/16	001-1600-513.52-00	(1,050)	ADDITIONAL POSTAGE FOR TAX NOTICES		2937
	001-1600-513.42-00	1,050			
	001-1600-513.83-01	(15,389)	CITY WIDE VHF/UHF RADIO FCC REBAND REQUIREMENT		2934
	001-1600-513.83-01	(5,940)			2936
	001-1600-513.39-00	(24,700)	FUNDS TRANSFER FOR HR COORDINATOR POSITION		2939
05/13/16	001-1600-513.13-00	(20,000)	MOVE SUMMER YOUTH PROG FUNDS TO CORRECT ACCTS		3093
	001-1600-513.34-00	20,000			
05/26/16	001-1600-513.23-00	(925)	COVER INCREASE IN HLTH INS COST FOR CITY COUNCIL		3275
	001-1600-513.61-00	265,000	PURCHASE PROPERT AT CRNR OF FLORIDA, FORREST, & KI		3274
07/01/16	001-1600-513.25-00	(3,830)	AS-PD/FD MEDICAL SUPPLIES		3712
	001-1600-513.31-02	3,830			
07/14/16	001-1600-513.61-00	(265,000)	KEYS/MCCARTHY BLDNG PURCH CHANGED FROM LAND		3861
	001-1600-513.62-00	265,000			
07/18/16	001-1600-513.49-00	(860)	RECYCLE OBSOLETE DECALS FROM CITY INVENTORY		3906
	001-1600-513.49-15	860			
18	Budget Amendments/Transfers		Division 1600 Total	$1,422,874	

Date	Accounts	Transaction	Resolution # / Description of Transfer or Amendment		Group #
1601 - EMERGENCY/DISASTER SVS					
05/04/16	001-1601-525.52-00	1,030	CITY WIDE VHF/UHF RADIO FCC REBAND REQUIREMENT		2934
1	Budget Amendments/Transfers		Division 1601 Total	$1,030	
1801 - HUMAN RESOURCES					
10/22/15	001-1801-513.47-00	877	BADGE PRINTING		216
05/04/16	001-1801-513.24-00	45	FUNDS TRANSFER FOR HR COORDINATOR POSITION		2939
	001-1801-513.27-00	950			
	001-1801-513.22-00	1,228			
	001-1801-513.21-00	1,294			
	001-1801-513.23-00	4,269			
	001-1801-513.12-00	16,914			
2	Budget Amendments/Transfers		Division 1801 Total	$25,577	
1805 - CITY CLERK					
10/22/15	001-1805-513.52-00	(877)	BADGE PRINTING		216
1	Budget Amendments/Transfers		Division 1805 Total	($877)	
2100 - POLICE ADMIN/OPERATIONS					
10/15/15	001-2100-521.46-00	(1,336)	TXFR FRM LAW ENFR/REPAIR TO LAW ENFR/REPAIR		150
10/29/15	001-2100-521.41-00	(1,824)	TXFR FRM LAW ENFC / COMM TO LAW ENFC / OPERATING		290
	001-2100-521.52-00	1,824			
11/04/15	001-2100-521.52-00	5,182	TXFR FRM LAW ENF / CAPITL TO LAW ENF / OPERATING		364
	001-2100-521.41-00	(1,168)	TXFR FRM LAW ENF / COMM TO LAW ENF / OPERATING		364
	001-2100-521.52-00	(1,305)	TXFR FRM LAW ENF / OPERAT TO LAW ENF / OPERATING		364
	001-2100-521.46-00	(1,135)	TXFR FRM LAW ENF / REPAIR TO LAW ENF / OPERATING		364
11/25/15	001-2100-521.12-00	(15,000)	FROM REG SALARIES & WAGES TO WAGES/SALARIES/CONTRAC		671
	001-2100-521.12-06	15,000			
12/14/15	001-2100-521.64-00	(15,120)	FROM LAW ENF / MACH & EQU TO LAW ENF / RENT & LEASE		879
	001-2100-521.44-00	15,120			
12/23/15	001-2100-521.41-00	(1,000)	CHANGE ORDER TO PO 66815		1017
	001-2100-521.52-00	500			
	001-2100-521.54-00	500			
01/14/16	001-2100-521.64-00	(811)	FROM LAW ENFC / MACH & EQ TO LAW ENFC / OPERATING		1316
	001-2100-521.52-00	811			
	001-2100-521.64-15	(22,980)	FROM MACH & EQ / IT HARDW TO MACH & EQ / JAG GRANT		1316
	001-2100-521.64-01	22,980			
02/19/16	001-2100-521.64-01	(2,106)	LAW R&M TABLETS-JAG GRANT		1811
	001-2100-521.46-00	2,106			
04/01/16	001-2100-521.64-00	(3,000)	TXFR FRM LAW ENF / MACHIN TO LAW ENF / OTHER CHRGS		2438

Date	Accounts	Transaction	Resolution # / Description of Transfer or Amendment		Group #
04/01/16	001-2100-521.49-00	3,000	TXFR FRM LAW ENF / MACHIN TO LAW ENF / OTHER CHRGS		2438
05/04/16	001-2100-521.52-00	3,009	CITY WIDE VHF/UHF RADIO FCC REBAND REQUIREMENT		2934
05/26/16	001-2100-521.12-00	(140,596)	COVER PAYROLL COSTS BASED ON MID-YEAR ANLYSIS		3276
	001-2100-521.24-00	(8,271)			
	001-2100-521.27-00	2,670			
	001-2100-521.22-00	5,601			
	001-2100-521.15-00	22,870			
	001-2100-521.12-12	140,596			
15	Budget Amendments/Transfers		Division 2100 Total	$26,117	
2101 - POLICE COMMUNICATIONS					
10/15/15	001-2101-521.46-00	1,336	TXFR FRM LAW ENFR/REPAIR TO LAW ENFR/REPAIR		150
11/04/15	001-2101-521.64-00	(1,574)	TXFR FRM LAW ENF / CAPITL TO LAW ENF / OPERATING		364
02/19/16	001-2101-521.12-00	(1,090)	BUD TXFR S&W-ACCR PAYOUT		1806
	001-2101-521.12-12	1,090			
05/26/16	001-2101-521.12-00	(23,862)	COVER PAYROLL COSTS BASED ON MID-YEAR ANLYSIS		3276
	001-2101-521.12-12	992			
4	Budget Amendments/Transfers		Division 2101 Total	($23,108)	
2200 - FIRE ADMINISTRATION					
01/14/16	001-2200-522.52-00	(150)	FROM OPERATING SUPPLIES TO POSTAGE & FREIGHT		1316
	001-2200-522.42-00	150			
03/30/16	001-2200-522.20-00	(200)	TXFR FRM CLOTHING / SHOE ALLOWANCE		2387
	001-2200-522.21-00	(8,570)	TXFR FRM FICA TAXES		2387
	001-2200-522.23-00	(29,444)	TXFR FRM LIFE / HEALTH INSURANCE		2387
	001-2200-522.12-00	(112,028)	TXFR FRM REGULAR SALARIES & WAGES		2387
	001-2200-522.22-01	(65,427)	TXFR FRM RETIREMENT CONTRIBUTIONS		2387
	001-2200-522.24-00	(5,948)	TXFR FRM WORKER'S COMPENSATION		2387
05/06/16	001-2200-522.24-00	5,948	BUDGET WAS INADVERTENTLY MOVED IN ERROR		2981
06/28/16	001-2200-522.46-03	(2,300)	UNEXPECTED EXPENDITURES WITH ADDTL QTR PMI REMAIN		3661
07/12/16	001-2200-522.45-00	130	PURCHASE OF NEW VEHICLES INSURANCE COST INCREASED		3817
10	Budget Amendments/Transfers		Division 2200 Total	($217,839)	
2201 - FIRE OPERATIONS					
01/22/16	001-2201-522.64-00	14,200	MACHINERY AND EQUIPMENT		1418
02/26/16	001-2201-522.14-00	(15,000)	FROM OVERTIME TO CONTRACT SERVICES		1919
	001-2201-522.34-00	15,000			
03/30/16	001-2201-522.52-30	(1,157)	TXFR FRM FUEL, OIL, & LUB TO INSURANCE		2381
	001-2201-522.45-00	1,157			
	001-2201-522.20-00	200	TXFR TO CLOTHING / SHOE ALLOWANCE		2387

Date	Accounts	Transaction	Resolution # / Description of Transfer or Amendment		Group #
03/30/16	001-2201-522.21-00	8,570	TXFR TO FICA TAXES		2387
	001-2201-522.23-00	29,444	TXFR TO LIFE / HEALTH INSURANCE		2387
	001-2201-522.12-00	112,028	TXFR TO REGULAR SALARIES & WAGES		2387
	001-2201-522.22-01	65,427	TXFR TO RETIREMENT CONTRIBUTIONS		2387
	001-2201-522.24-00	5,948	TXFR TO WORKER'S COMPENSATION		2387
04/18/16	001-2201-522.14-00	(137,234)	ACCRUAL PAYOUT SILVERMAN, MOHESKY, LEWIS, PIPER		2661
	001-2201-522.24-00	4,782			
	001-2201-522.21-00	7,491			
	001-2201-522.22-01	42,324			
	001-2201-522.12-12	98,075			
	001-2201-522.52-00	(4)	PATIENT CARE REPORTS COVER PO		2687
	001-2201-522.47-00	4			
05/06/16	001-2201-522.24-00	(5,948)	BUDGET WAS INADVERTENTLY MOVED IN ERROR		2981
06/01/16	001-2201-522.64-00	(8,000)	CAP 5 STD EMS MACHINE & 2 SOFTWARE SVC PACKS		3346
	001-2201-522.52-00	8,000			
06/28/16	001-2201-522.46-03	2,300	UNEXPECTED EXPENDITURES WITH ADDTL QTR PMI REMAIN		3661
07/12/16	001-2201-522.55-00	(2,067)	PURCHASE OF NEW VEHICLES INSURANCE COST INCREASED		3817
	001-2201-522.45-00	1,937			
15 Budget Amendments/Transfers			Division 2201 Total	$247,477	
3200 - ADMINISTRATION					
10/20/15	001-3200-515.27-00	2,400	FROM CAFETERIA PLAN TO CAFETERIA PLAN		602
	001-3200-515.21-00	3,534	FROM FICA TAXES TO FICA TAXES		602
	001-3200-515.23-00	7,591	FROM LIFE/HEALTH INSURANC TO LIFE/HEALTH INSURANCE		602
	001-3200-515.12-00	43,784	FROM REG SALARIES & WAGES TO REG SALARIES & WAGES		602
	001-3200-515.22-00	3,179	FROM RETIREMENT CONTRIBUT TO RETIREMENT CONTRIBUTIO		602
	001-3200-515.24-00	116	FROM WORKER'S COMP TO WORKER'S COMP		602
01/28/16	001-3200-515.31-00	(12,015)	FROM PROFESSIONAL SVCS TO PROFESSIONAL SVCS		1499
02/19/16	001-3200-515.12-12	1,790	BUD TXFR SAL-ACCR PAYOUT		1806
	001-3200-515.12-00	(1,825)	BUD TXFR SAL-ACCR PO, O/T		1806
	001-3200-515.14-00	35	BUD TXFR SALARY-OVERTIME		1806
04/18/16	001-3200-515.12-00	(1,045)	ACCRUAL PAYOUTS LOMBARDI & ZERVOS		2682
	001-3200-515.12-12	1,045			
05/04/16	001-3200-515.52-00	2,811	CITY WIDE VHF/UHF RADIO FCC REBAND REQUIREMENT		2934
	001-3200-515.61-00	118,000	PURCHASE OF 3 PARCEL ID # FROM HOUSING AUTHORITY		2938
06/06/16	001-3200-515.52-00	(92)	FLOODPLAIN MNGR ASS RENEW & BLDNG DVS REFERENCE BK		3394
	001-3200-515.54-00	92			
06/28/16	001-3200-515.31-00	(20,000)	FNDS TO UNIVERAL ENGINEER TO PERFORM BLDNG INSP SVC		3665

Date	Accounts	Transaction	Resolution # / Description of Transfer or Amendment		Group #
06/28/16	001-3200-515.34-00	20,000	FNDS TO UNIVERAL ENGINEER TO PERFORM BLDNG INSP SVC		3665
	001-3200-515.52-00	(2,000)	FUNDS TO PAY LEGAL ADS FOR COMP PLAN AND ZONING		3660
	001-3200-515.49-00	2,000			
07/27/16	001-3200-515.41-00	(150)	NEGATIVE BALANCE IN COMM DEPUTY DIRECTOR PHONE		4064
17	Budget Amendments/Transfers		Division 3200 Total	$169,250	
3205 - ECONOMIC DEVELOPMENT					
01/28/16	001-3205-559.31-00	12,015	FROM PROFESSIONAL SVCS TO PROFESSIONAL SVCS		1499
06/01/16	001-3205-559.12-00	(1,468)	COVER PAYROLL REMAINDER FY16 - MID YEAR ANALYSIS		3338
	001-3205-559.23-00	85			
	001-3205-559.12-12	1,383			
07/27/16	001-3205-559.41-00	150	NEGATIVE BALANCE IN COMM DEPUTY DIRECTOR PHONE		4064
3	Budget Amendments/Transfers		Division 3205 Total	$12,165	
3290 - LEISURE SERVICES					
12/02/15	001-3290-574.12-00	(14,240)	TO COVER NON-CITY SPECIAL EVENTS		682
	001-3290-574.64-00	(4,990)			
	001-3290-574.22-01	6,230			
	001-3290-574.15-00	13,000			
04/18/16	001-3290-574.12-00	(6)	ACCRUAL PAYOUTS LOMBARDI & ZERVOS		2682
	001-3290-574.14-00	6			
06/01/16	001-3290-574.12-00	(630)	COVER PAYROLL REMAINDER FY16 - MID YEAR ANALYSIS		3338
	001-3290-574.24-00	630			
07/27/16	001-3290-574.48-00	(500)	JULY 4TH CLEANUP RIVERFRONT PARK		4064
	001-3290-574.55-00	(450)			
	001-3290-574.40-00	(400)			
	001-3290-574.49-00	(200)			
	001-3290-574.34-00	1,550			
4	Budget Amendments/Transfers		Division 3290 Total	$0	
3500 - ADMINISTRATION					
10/29/15	001-3500-519.52-00	500	TXFR FRM OPERATING SUPPLI TO OPERATING SUPPLIES		290
	001-3500-519.44-00	500	TXFR FRM RENTALS AND LEAS TO RENTALS AND LEASES		290
05/04/16	001-3500-519.52-00	2,971	CITY WIDE VHF/UHF RADIO FCC REBAND REQUIREMENT		2934
3	Budget Amendments/Transfers		Division 3500 Total	$3,971	
3510 - PUBLIC WORKS MAINTENANCE					
10/29/15	001-3510-541.52-00	(500)	TXFR FRM OPERATING SUPPLI TO OPERATING SUPPLIES		290
	001-3510-541.44-00	(500)	TXFR FRM RENTALS AND LEAS TO RENTALS AND LEASES		290
12/14/15	001-3510-541.63-00	554,018	INFRASTRUCTURE		875
12/30/15	001-3510-541.46-00	(10,000)	FROM REPAIR AND MAINT TO OPERATING SUPPLIES		1099

Date	Accounts	Transaction	Resolution # / Description of Transfer or Amendment		Group #
12/30/15	001-3510-541.52-00	10,000	FROM REPAIR AND MAINT TO OPERATING SUPPLIES		1099
04/18/16	001-3510-541.53-00	(1,000)	ADD FUNDS TO COVER REMAINDER OF FY		2685
	001-3510-541.43-00	1,000			
05/04/16	001-3510-541.52-00	3,494	CITY WIDE VHF/UHF RADIO FCC REBAND REQUIREMENT		2934
	001-3510-541.63-00	56,403	RAIL CROSSING MAINTENANCE ROSA L AND PEACHTREE		2927
	001-3510-541.63-00	(50,000)			2930
	001-3510-541.63-00	50,000			
	001-3510-541.63-00	95,462			2932
07/12/16	001-3510-541.46-00	(1,400)	STREETS & GROUNDS DIVS SHARED COST OIL BURNER HE		3817
07/26/16	001-3510-541.63-00	200,000	ASPHALT TO REPAVE FISKE FROM HIGHLAND TO DIXON		4103
	001-3510-541.63-00	29,792	FL AVE PHASE 1 ACTIVITIES INCLUDE PRE-CONSTRUCTION		4102
	001-3510-541.63-00	200,000	RECYCLING TO REPAVE FISKE FROM HIGHLAND TO DIXON		4104
13	Budget Amendments/Transfers		Division 3510 Total	$1,136,769	
3520 - PARKS & BEAUTIFICATION					
11/25/15	001-3520-572.12-00	(225)	FROM REG SALARIES & WAGES TO ACCRUAL PAYOUTS		623
	001-3520-572.12-12	225			
04/01/16	001-3520-572.52-00	(600)	TXFR FRM OPERATING SUPPLI TO TRAVEL AND PER DIEM		2438
	001-3520-572.40-00	600			
05/04/16	001-3520-572.52-00	3,494	CITY WIDE VHF/UHF RADIO FCC REBAND REQUIREMENT		2936
06/28/16	001-3520-572.44-00	(800)	ADD MONEY FOR UNBUDGETED TREE TRIMMING SAFETY CLSS		3662
	001-3520-572.55-00	800			
07/12/16	001-3520-572.52-00	(1,425)	STREETS & GROUNDS DIVS SHARED COST OIL BURNER HE		3817
5	Budget Amendments/Transfers		Division 3520 Total	$2,069	
3540 - PUBLIC WORKS- FLEET MAINT					
04/21/16	001-3540-519.64-00	(3,000)	REPAIRS TO AUTOMATED FUEL SYSTEM AT CITY FLEET		2750
	001-3540-519.46-00	3,000			
05/04/16	001-3540-519.52-00	699	CITY WIDE VHF/UHF RADIO FCC REBAND REQUIREMENT		2936
07/18/16	001-3540-519.52-00	(300)	ADDTNL INS CHARGES FOR ADDTNL FLEET POOL VHCL		3906
	001-3540-519.45-00	300			
3	Budget Amendments/Transfers		Division 3540 Total	$699	
3560 - FACILITY MANAGEMENT					
04/18/16	001-3560-519.12-00	(284)	ACCRUAL PAYOUT F MARTIN		2684
	001-3560-519.12-12	284			
05/04/16	001-3560-519.52-00	1,747	CITY WIDE VHF/UHF RADIO FCC REBAND REQUIREMENT		2936
05/26/16	001-3560-519.64-00	(6,946)	FABRICATION AND INSTALL CITY WELCOME SIGNS		3277
	001-3560-519.52-00	6,946			
07/12/16	001-3560-519.64-00	1,425	STREETS & GROUNDS DIVS SHARED COST OIL BURNER HE		3817

Date	Accounts	Transaction	Resolution # / Description of Transfer or Amendment		Group #
4 Budget Amendments/Transfers			Division 3560 Total	$3,172	
3580 - CAPITAL PROJECTS MNGMT					
04/18/16	001-3580-519.62-00	38,709	ADDITIONAL FUNDS FOR FLEET EXPANSION PRJCT		2666
	001-3580-519.64-00	(500)	COVER LEGAL ADS FOR PW BID PACKAGES		2686
	001-3580-519.49-00	500			
07/12/16	001-3580-519.48-00	1,400	STREETS & GROUNDS DIVS SHARED COST OIL BURNER HE		3817
07/22/16	001-3580-519.46-02	(11,500)	SR 520 BRIDGE SIGNS		4004
	001-3580-519.46-00	11,500			
4 Budget Amendments/Transfers			Division 3580 Total	$40,109	
157 Total Budget Amendments/Transfers			**GENERAL FUND**	**$2,884,850**	
3230 - CRA ADMIN/OPERATIONS					
11/09/15	110-3230-559.39-00	(2,551)	FROM CASH CARRY FORWRD TO CONTINGENCY		670
	110-3230-559.63-00	4,460			
	110-3230-559.63-00	37,473			
	110-3230-559.63-00	49,645			
	110-3230-559.63-00	61,110			
	110-3230-559.34-00	7,755	FROM CASH CARRY FORWRD TO CONTRACT SERVICES		670
12/02/15	110-3230-559.83-00	(2,800)	FROM OTHER GRANTS / AIDS TO CONTRACT SERVICES		738
	110-3230-559.34-00	2,800			
02/05/16	110-3230-559.72-00	(2,729)	FROM INTEREST TO PRINCIPAL		1631
	110-3230-559.71-00	2,729			
02/19/16	110-3230-559.12-00	(18)	BUD TXFR SALARY-O/T		1806
	110-3230-559.14-00	18			
03/24/16	110-3230-559.72-00	(11,837)	TXFR FRM DEBT SERVICE TO CONTRACT SERVICES		2325
	110-3230-559.83-00	(2,663)	TXFR FRM OTHER GRANTS/AID TO CONTRACT SERVICES		2325
	110-3230-559.34-00	14,500			
06/06/16	110-3230-559.47-00	(500)	ADD FUNDS TO RECORDING DOCUMENTS CLERK OF COURTS		3395
	110-3230-559.49-00	500			
8 Budget Amendments/Transfers			Division 3230 Total	$157,892	
8 Total Budget Amendments/Transfers			**REDEVELOPMENT AGENCY FUND**	**$157,892**	
3230 - CRA ADMIN/OPERATIONS					
10/05/15	111-3230-559.83-00	(2,800)	TXFR FRM OTHER GRANT & AI TO TRAINING / TRAVEL PER		41
	111-3230-559.55-00	1,010			
	111-3230-559.40-00	1,790			
12/02/15	111-3230-559.83-00	(281)	FY16 REVISED BUDGET		681
	111-3230-559.63-00	162,966			
12/08/15	111-3230-559.83-00	(5,000)	FROM OTHER GRANTS & AIDS TO PROFESSIONAL SVCS		768

Date	Accounts	Transaction	Resolution # / Description of Transfer or Amendment		Group #
12/08/15	111-3230-559.31-00	5,000	FROM OTHER GRANTS & AIDS TO PROFESSIONAL SVCS		768
02/19/16	111-3230-559.12-00	(6)	BUD TXFR SALARY-O/T		1806
	111-3230-559.14-00	6			
04/18/16	111-3230-559.31-00	5,000	INTERLOCAL AGREEMENT PROJ DIAMOND SQUARE CRA		2669
	111-3230-559.63-00	10,000			
	111-3230-559.83-00	10,000			
5	Budget Amendments/Transfers		Division 3230 Total	$187,685	
	5 Total Budget Amendments/Transfers		**CRA DIAMOND SQUARE 626**	**$187,685**	
3230 - CRA ADMIN/OPERATIONS					
11/19/15	112-3230-559.83-02	(284)	REDUCE TIF REVENUE REVISED FY16 BUDGET		543
12/08/15	112-3230-559.43-00	(8)	FROM ELEC / WATER / SEWER TO INSURANCE		768
	112-3230-559.45-00	8			
02/26/16	112-3230-559.83-02	(1,558)	FROM GENERAL FUND TO OTHER CHRGS AND OBLG		1919
	112-3230-559.49-00	1,558			
3	Budget Amendments/Transfers		Division 3230 Total	($284)	
	3 Total Budget Amendments/Transfers		**CRA US1 CORRIDOR**	**($284)**	
2100 - POLICE ADMIN/OPERATIONS					
02/19/16	141-2100-521.52-00	27,029	BUD ADMNT R#2016-10 DUTY GEAR AGND#15-570		1814
02/26/16	141-2100-521.52-00	(3,180)	FROM LAW ENF / OPERATING TO LAW ENF / CAPITAL		1934
	141-2100-521.64-00	3,180			
2	Budget Amendments/Transfers		Division 2100 Total	$27,029	
	2 Total Budget Amendments/Transfers		**POLICE CONFISCATED FUND**	**$27,029**	
3580 - CAPITAL PROJECTS MNGMT					
12/14/15	301-3580-519.62-00	(8,000,000)	FROM CAPITAL PRJCT-BLDNGS TO CAPITAL PRJCT - BLDNGS		881
	301-3580-519.62-00	2,500,000			
	301-3580-519.62-00	2,500,000			
	301-3580-519.62-00	3,000,000			
12/29/15	301-3580-519.62-00	(203,492)	FROM BUILDINGS TO LAND		1068
	301-3580-519.62-00	(10,000)			
	301-3580-519.61-00	10,000			
	301-3580-519.61-00	203,492			
01/29/16	301-3580-519.62-00	(266,858)	FROM BUILDINGS TO LAND		1610
	301-3580-519.62-00	(10,000)			
	301-3580-519.61-00	10,000			
	301-3580-519.61-00	266,858			
04/15/16	301-3580-519.62-00	(31,088)	MOVING LAND-RLTD EXPENSES FROM CAPITAL TO LAND		2654
	301-3580-519.62-00	(13,790)			

Date	Accounts	Transaction	Resolution # / Description of Transfer or Amendment		Group #
04/15/16	301-3580-519.62-00	(9,453)	MOVING LAND-RLTD EXPENSES FROM CAPITAL TO LAND		2654
	301-3580-519.61-00	9,453			
	301-3580-519.61-00	13,790			
	301-3580-519.61-00	31,088			
04/18/16	301-3580-519.62-00	(38,709)	ADDITIONAL FUNDS FOR FLEET EXPANSION PRJCT		2666
05/04/16	301-3580-519.62-00	(56,403)	RAILROAD CROSSING MAINTEN ROSA L AND PEACHTREE		2926
	301-3580-581.91-01	56,403			
05/13/16	301-3580-581.91-01	38,709	CORRECT A BALANCING ERROR ON AGENDA #16-114		3090
07/28/16	301-3580-519.62-00	(10,920)	COVER ALL LAND RELATED FIRE STATION EXPENSES		4075
	301-3580-519.62-00	(3,590)			
	301-3580-519.62-00	(490)			
	301-3580-519.61-00	490			
	301-3580-519.61-00	3,590			
	301-3580-519.61-00	10,920			
8	Budget Amendments/Transfers			Division 3580 Total	$0	
	8 Total Budget Amendments/Transfers		**CAPITAL PROJECTS FUND**		**$0**	
1515 - FIELD SERVICES						
02/19/16	421-1515-536.12-00	(26,030)	BUD TXFR S&W-ACCR PAYOUT		1806
	421-1515-536.12-12	26,030			
04/04/16	421-1515-536.64-15	(2,600)	TXFR FRM IT HARDWARE TO WATER SEWER OPER SUPL		2443
	421-1515-536.52-00	2,600			
05/04/16	421-1515-536.52-00	9,233	REPLACE OBSOLETE RADIOS FCC RE-BAND REQUIREMENT		2922
06/15/16	421-1515-536.46-00	(200)	NEPTUNE MAPPING SOFTWARE SUBSCRIPTION ACCT CORRECT		3524
	421-1515-536.54-00	200			
	421-1515-536.52-00	(121)	VEHICLE REGISTRATION FOR I.T. VEHICLE NOT BUDGETED		3525
	421-1515-536.49-00	121			
5	Budget Amendments/Transfers			Division 1515 Total	$9,233	
4010 - WATER ADMINISTRATION						
11/10/15	421-4010-536.31-01	(5,000)	TXFR FRM LEGAL EXPENSES TO UNEMPLOYMENT COMP		440
	421-4010-536.25-00	5,000			
01/22/16	421-4010-536.39-00	(5,000)	FROM CONTINGENCY TO ACCOUNTING & AUDITING		1423
	421-4010-536.32-00	3,500			
	421-4010-536.31-01	1,500	FROM CONTINGENCY TO LEGAL EXPENSES		1423
	421-4010-536.39-00	(171,492)	FROM WATER SEWER CNTNGCY TO CAPITAL EQUIP - VEHICL		1422
02/26/16	421-4010-536.31-01	(3,000)	FROM LEGAL TO REPAIR/MAINT BUILDING		1919
	421-4010-536.46-02	3,000			
03/07/16	421-4010-536.12-00	(1,184)	BUDGET TXFR REG SALARY TO ACCRUAL PAYOUTS		2034

Date	Accounts	Transaction	Resolution # / Description of Transfer or Amendment	Group #
03/07/16	421-4010-536.12-12	1,184	BUDGET TXFR REG SALARY TO ACCRUAL PAYOUTS	2034
	421-4010-536.12-00	(12,426)	BUDGET TXFR REG SALARY TO OVERTIME	2034
	421-4010-536.14-00	12,426		
03/15/16	421-4010-536.39-00	(127,578)	TRANSFER FROM CONTINGENCY TO INFRASTRUCTURE	2165
03/24/16	421-4010-536.39-00	(93,000)	TXFR FRM CONTINGENCY TO GENERAL FUND	2329
	421-4010-581.91-01	93,000		
	421-4010-536.39-00	(408,464)	TXFR FRM CONTINGENCY TO MACHINERY & EQUIPMENT	2326
04/18/16	421-4010-581.91-53	405,266	ESTBLSH RESERVES FOR SELF FUNDED MED INSURANCE	2678
	421-4010-536.39-00	(188,850)	ITEMS INADVERTENTLY OMITT FROM BUDGET	2672
05/04/16	421-4010-536.39-00	(43,275)	REPLACE OBSOLETE RADIOS FCC RE-BAND REQUIREMENT	2922
	421-4010-536.39-00	(36,827)	REPLACE OBSOLETE RADIOS FCC REBAND REQUIREMENT	2924
	421-4010-536.52-00	8,621		
	421-4010-536.63-00	28,206		
05/13/16	421-4010-536.13-00	(20,000)	MOVE SUMMER YOUTH PROG FUNDS TO CORRECT ACCTS	3093
	421-4010-536.34-00	20,000		
05/26/16	421-4010-536.49-00	(1,000)	RECLASS EXPENSE DUE TO STATE ACCT REQUIREMENTS	3273
	421-4010-536.82-00	1,000		
06/13/16	421-4010-536.49-07	(69,817)	FY2015 BANK RECONCILE NON-CASH YEAR END ADJSTMN	3490
	421-4010-536.49-08	69,817		
07/18/16	421-4010-536.49-00	(852)	RECYCLE OBSOLETE DECALS FROM CITY INVENTORY	3906
	421-4010-536.49-15	852		
07/26/16	421-4010-536.31-00	1,531,934	UTILITY PRIVATIZATION PRJ PATRICK AFB / CAPE CA AFB	4107
19	Budget Amendments/Transfers		Division 4010 Total $997,541	
4020 - DYAL PLANT				
10/29/15	421-4020-536.46-00	(4,000)	TXFR FRM REPAIR AND MAINT TO REPAIR AND MAINTENANCE	295
	421-4020-536.46-00	4,000		
12/14/15	421-4020-536.46-00	753,233	TO REPAIR & MAINTENANCE	872
	421-4020-536.46-00	58,192		873
01/22/16	421-4020-536.64-00	68,814	FROM WATER SEWER CNTNGCY TO CAPITAL EQUIP - VEHICL	1422
03/07/16	421-4020-536.12-00	(13,056)	BUDGET TXFR REG SALARY TO ACCRUAL PAYOUTS	2034
	421-4020-536.12-12	13,056		
	421-4020-536.12-00	(26,557)	BUDGET TXFR REG SALARY TO OVERTIME	2034
	421-4020-536.14-00	26,557		
04/18/16	421-4020-536.46-00	188,850	ITEMS INADVERTENTLY OMITT FROM BUDGET	2672
	421-4020-536.46-00	123,606	NEW SCADA SYSTEM INADVERT BUDGETED UNDER WS1117	2671
04/21/16	421-4020-536.63-00	(1,440)	2 HVAC SYSTEMS BANANA RVR & VIERA BOOSTER STATIONS	2750
	421-4020-536.62-00	1,440		

Date	Accounts	Transaction	Resolution # / Description of Transfer or Amendment	Group #
05/04/16	421-4020-536.52-00	7,338	REPLACE OBSOLETE RADIOS FCC RE-BAND REQUIREMENT	2922
05/13/16	421-4020-536.34-00	(100,000)	EMERGENCY GENERATOR LEASE AT DYAL WTP.	3091
	421-4020-536.44-00	100,000		
05/26/16	421-4020-536.64-00	172,000	PURCHASE USED MOTOR GRADER FOR DYAL WTP	3279
06/01/16	421-4020-536.62-00	(41,440)	HVAC UNITS AT BANANA RVR & VIERA BOOSTER STATIONS	3345
	421-4020-536.64-00	41,440		
06/09/16	421-4020-536.52-00	(49,000)	PURCHASE FUEL FOR AUX PWR GENERATORS & GEAR OIL	3457
	421-4020-536.52-30	49,000		
07/01/16	421-4020-536.12-00	(48,000)	UT-DYAL 4020 OT FUNDS LOW	3715
	421-4020-536.14-00	48,000		
07/22/16	421-4020-536.34-00	(2,800)	ADDTIONAL INSURANCE; DYAL	4004
	421-4020-536.45-00	2,800		
16	Budget Amendments/Transfers		Division 4020 Total	$1,372,033
4025 - WATER FIELD OPERATIONS				
01/22/16	421-4025-536.46-00	(27,608)	FROM REPAIRS AND MAINTEN TO REPAIRS / MAINT - BLDN	1421
	421-4025-536.46-02	27,608		
	421-4025-536.64-00	59,349	FROM WATER SEWER CNTNGCY TO CAPITAL EQUIP - VEHICL	1422
03/02/16	421-4025-536.12-00	(44,125)	ACCOUNTING ADJUSTMENT TO OTHER SALARIES & WAGES	1981
	421-4025-536.13-00	44,125		
03/07/16	421-4025-536.12-00	(945)	BUDGET TXFR REG SALARY TO ACCRUAL PAYOUTS	2034
	421-4025-536.12-12	945		
	421-4025-536.12-00	(28,000)	BUDGET TXFR REG SALARY TO OVERTIME	2034
	421-4025-536.14-00	28,000		
03/17/16	421-4025-536.46-00	(10,000)	TXFR FRM REPAIRS AND MAIN TO CONTRACT SERVICES	2166
	421-4025-536.34-00	10,000		
04/07/16	421-4025-536.46-00	(2,136)	ARBITRATOR FEE -SANDERLIN	2503
	421-4025-536.31-00	2,136		
04/14/16	421-4025-536.12-00	(76)	ACCRUAL PAYOUTS- J. HAZES C. McCALL, & M. SUNDSTROM	2627
	421-4025-536.12-12	76		
04/18/16	421-4025-536.46-00	(210,708)	ADDTNL FNDS INCREASED FDEP TESTING - ACE FLOW	2673
	421-4025-536.46-00	210,708		
05/04/16	421-4025-536.52-00	17,121	REPLACE OBSOLETE RADIOS FCC RE-BAND REQUIREMENT	2922
05/18/16	421-4025-536.44-00	(1,000)	TRANSFER TO COVER POSTAGE AND FREIGHT REMAINDER FY	3152
	421-4025-536.42-00	1,000		
05/27/16	421-4025-536.68-10	(20,000)	INFRAMAP NOW LICENSE BUDGETED IN 68-10 IN ERRO	3293
	421-4025-536.52-00	20,000		
06/01/16	421-4025-536.22-00	(47,913)	COVER PAYROLL REMAINDER FY16 - MID YEAR ANALYSIS	3338

Date	Accounts	Transaction	Resolution # / Description of Transfer or Amendment		Group #
06/01/16	421-4025-536.12-12	22,141	COVER PAYROLL REMAINDER FY16 - MID YEAR ANALYSIS		3338
06/06/16	421-4025-536.55-00	(2,600)	WFO MANAGER TO ATTEND ESRI CONFERENCE IN CALIFO		3391
	421-4025-536.40-00	2,600			
06/28/16	421-4025-536.44-00	(653)	COVER COSTS FOR FY16 FOR HERITAGE CRYSTAL CLEAN		3659
	421-4025-536.31-00	653			
	421-4025-536.46-02	(23,000)	COVER REPAIRS AND MAINTEN FOR WFO REMAINDER FY16		3666
	421-4025-536.46-00	23,000			
	421-4025-536.46-00	(19,006)	PURCHASE TEAM INSERTVALVE WITH UNENCUM FUNDS		3664
	421-4025-536.64-00	19,006			
17	Budget Amendments/Transfers			Division 4025 Total $50,698	
4055 - ENGINEERING					
10/22/15	421-4055-536.63-00	(17,324)	PROJ EXTENTED-MORE FUNDS FOR SERVICES		215
	421-4055-536.63-00	17,324			
10/29/15	421-4055-536.63-00	(70,000)	TXFR FRM INFRASTRUCTURE TO INFRASTRUCTURE		298
	421-4055-536.63-00	70,000			
12/14/15	421-4055-536.63-00	(1,968,704)	FROM INFRASTRUCTURE TO INFRASTRUCTURE		880
	421-4055-536.63-00	(1,467,681)			
	421-4055-536.63-00	(217,273)			
	421-4055-536.63-00	3,653,658			
	421-4055-536.63-00	9,537	INFRASTRUCTURE		874
	421-4055-536.63-00	11,623			
	421-4055-536.63-00	14,750			
	421-4055-536.63-00	124,533			
	421-4055-536.63-00	189,998			
	421-4055-536.63-00	388,626			
	421-4055-536.63-00	415,981			
	421-4055-536.63-00	467,162			
12/17/15	421-4055-536.63-00	(415,981)	FROM INFRASTRUCTURE TO INFRASTRUCTURE		939
	421-4055-536.63-00	415,981			
03/07/16	421-4055-536.12-00	(9,507)	BUDGET TXFR REG SALARY TO ACCRUAL PAYOUTS		2034
	421-4055-536.12-12	9,507			
04/06/16	421-4055-536.63-00	(50,000)	WATER CAPITAL PLAN		2489
	421-4055-536.68-10	50,000			
04/14/16	421-4055-536.12-00	(1,171)	ACCRUAL PAYOUTS- J. HAZES C. McCALL, & M. SUNDSTROM		2627
	421-4055-536.12-12	1,171			
04/18/16	421-4055-536.63-00	(298,066)	MOTOR CONTROL CNTR 1-6 & CONDUIT REPLCMNT SELLERS		2676
	421-4055-536.63-00	(123,606)	NEW SCADA SYSTEM INADVERT BUDGETED UNDER WS1117		2671
05/04/16	421-4055-536.55-00	(408)	REPLACE MONITOR FOR CAD DRAFTER IN ENGNRING STN		2925

Date	Accounts	Transaction	Resolution # / Description of Transfer or Amendment	Group #
05/04/16	421-4055-536.52-00	408	REPLACE MONITOR FOR CAD DRAFTER IN ENGNRING STN	2925
	421-4055-536.52-00	2,796	REPLACE OBSOLETE RADIOS FCC RE-BAND REQUIREMENT	2922
05/26/16	421-4055-536.63-00	(172,000)	PURCHASE USED MOTOR GRADER FOR DYAL WTP	3279
06/01/16	421-4055-536.12-00	(226)	COVER PAYROLL REMAINDER FY16 - MID YEAR ANALYSIS	3338
	421-4055-536.12-12	226		
06/06/16	421-4055-536.12-00	(500)	COVER UNANTICIPATED OVERTIME EXPENSES	3392
	421-4055-536.14-00	500		
07/26/16	421-4055-536.63-00	(931,934)	UTILITY PRIVATIZATION PRJ PATRICK AFB / CAPE CA AFB	4107
	421-4055-536.63-00	(310,000)		
	421-4055-536.63-00	(290,000)		
16	Budget Amendments/Transfers		Division 4055 Total	($500,600)
4120 - WATER RECLAMATION				
10/15/15	421-4120-536.46-00	(4,900)	TXFR FRM REPAIRS & MAINTQ TO CONTRACT SERVICES	150
	421-4120-536.31-00	4,900		
12/08/15	421-4120-536.46-00	(500)	FROM REPAIRS & MAINTENANC TO MACHINERY & EQUIPMENT	768
	421-4120-536.64-00	500		
12/22/15	421-4120-536.63-00	(30,000)	WS1306	990
	421-4120-536.68-10	30,000		
12/23/15	421-4120-536.46-00	(556)	TABLET ACT COSTS > BUDGET	1018
	421-4120-536.64-15	556		
01/14/16	421-4120-536.46-00	(2,920)	FROM REPAIRS & MAINTENANC TO MACHINERY & EQUIPMENT	1316
	421-4120-536.64-00	2,920		
01/22/16	421-4120-536.52-00	(892)	FROM OPERATING SUPPLIES TO MACHINERY & EQUIPMENT	1417
	421-4120-536.64-00	892		
02/19/16	421-4120-536.12-00	(6,030)	BUD TXFR S&W-ACCR PAYOUT	1806
	421-4120-536.12-12	6,030		
02/26/16	421-4120-536.64-00	(1,300)	FROM MACHINERY & EQUIPMEN TO OPERATING SUPPLIES	1919
	421-4120-536.52-00	1,300		
03/07/16	421-4120-536.12-00	(7,040)	BUDGET TXFR REG SALARY TO OVERTIME	2034
	421-4120-536.14-00	7,040		
04/18/16	421-4120-536.64-00	(1,345,070)	MOTOR CONTROL CNTR 1-6 & CONDUIT REPLCMNT SELLERS	2676
	421-4120-536.63-00	1,643,136		
05/04/16	421-4120-536.52-00	2,594	REPLACE OBSOLETE RADIOS FCC RE-BAND REQUIREMENT	2922
05/13/16	421-4120-536.52-00	(2,441)	DIESEL TANK FILTRATION MAINT SYSTEM	3089
	421-4120-536.64-00	2,441		
06/01/16	421-4120-536.12-00	(35,815)	COVER PAYROLL REMAINDER FY16 - MID YEAR ANALYSIS	3338
	421-4120-536.13-00	505		

Date	Accounts	Transaction	Resolution # / Description of Transfer or Amendment		Group #
06/01/16	421-4120-536.22-00	9,970	COVER PAYROLL REMAINDER FY16 - MID YEAR ANALYSIS		3338
	421-4120-536.12-12	25,340			
07/18/16	421-4120-536.52-00	(15,000)	INCREASE FUNDS PO 66907 LQD SLUDGE DISPOSAL		3905
	421-4120-536.34-00	15,000			
14	Budget Amendments/Transfers		Division 4120 Total	$300,660	
4125 - SEWER FIELD OPERATIONS					
11/24/15	421-4125-536.12-00	(2,506)	FROM REG SALARIES & WAGES TO RETIREMENT CONTRIBUT		710
	421-4125-536.22-00	2,506			
	421-4125-536.22-00	(2,506)			715
	421-4125-536.12-00	2,506			
01/22/16	421-4125-536.64-00	43,329	FROM WATER SEWER CNTNGCY TO CAPITAL EQUIP - VEHICL		1422
03/07/16	421-4125-536.12-00	(10,000)	BUDGET TXFR REG SALARY TO OVERTIME		2034
	421-4125-536.14-00	10,000			
03/15/16	421-4125-536.63-00	127,578	TRANSFER FROM CONTINGENCY TO INFRASTRUCTURE		2165
03/24/16	421-4125-536.64-00	408,464	TXFR FRM CONTINGENCY TO MACHINERY & EQUIPMENT		2326
05/04/16	421-4125-536.52-00	4,193	REPLACE OBSOLETE RADIOS FCC RE-BAND REQUIREMENT		2922
06/01/16	421-4125-536.24-00	452	COVER PAYROLL REMAINDER FY16 - MID YEAR ANALYSIS		3338
	421-4125-536.22-00	10,620			
	421-4125-536.12-00	14,700			
06/09/16	421-4125-536.46-00	(5,700)	COVER COST OF CONTRACTED MOWING OF LIFT STATIONS		3458
	421-4125-536.34-00	5,700			
06/28/16	421-4125-536.63-00	(591,657)	MOVE FNDS FRM LIFT ST 17 TO LIFT STN 4		3667
	421-4125-536.63-00	591,657			
07/12/16	421-4125-536.68-10	(7,700)	COVER INFRAMAP LICENSE. BUDGETED IN 68-10 IN ERR		3817
	421-4125-536.52-00	7,700			
11	Budget Amendments/Transfers		Division 4125 Total	$609,336	
98	Total Budget Amendments/Transfers		**WATER/SEWER ENTERPRISE**	**$2,838,901**	
3570 - STORMWATER UTILITY					
10/15/15	423-3570-538.52-00	(500)	TXFR FRM OPERATING SUPPLI TO RENTALS AND LEASES		150
	423-3570-538.44-00	500			
02/19/16	423-3570-538.12-00	(1,082)	BUD TXFR S&W-ACCR PAYOUT		1806
	423-3570-538.12-12	1,082			
	423-3570-538.63-00	(20,000)	BUDGET TXFR FACTORY ST DRAING IMPRV AGNDA#16-026		1818
	423-3570-538.61-00	20,000			
	423-3570-538.63-00	(20,963)	RIVERFRONT PARK SOD&DRAIN PROJ#SW16RD AGND#16-028		1812
	423-3570-538.63-00	20,963			
05/26/16	423-3570-538.63-00	(50,000)	DIAMOND SQ RDA OFF-SITE STORMWATER MANAGEMENT		3278

Date	Accounts	Transaction	Resolution # / Description of Transfer or Amendment		Group #
05/26/16	423-3570-538.63-00	(40,245)	DIAMOND SQ RDA OFF-SITE STORMWATER MANAGEMENT		3278
	423-3570-538.63-00	40,245			
	423-3570-538.61-00	50,000			
06/06/16	423-3570-538.44-00	(675)	EDUCATIONAL BROCHURES REQUIRED PER NPDES PERMIT		3393
	423-3570-538.47-00	675			
06/28/16	423-3570-538.39-00	(13,000)	PURCHASE LAKEMONT DR LAND FOR STORMWATER		3663
	423-3570-538.61-00	13,000			
07/26/16	423-3570-538.63-00	(110,000)	ADD FNDS TO PEACHTREE ST TO COVER STORMWATER		4101
	423-3570-538.63-00	110,000			
8 Budget Amendments/Transfers			Division 3570 Total	$0	
8 Total Budget Amendments/Transfers			**STORMWATER UTILITY**	**$0**	
1801 - HUMAN RESOURCES					
04/18/16	530-1801-513.23-00	810,532	ESTABLISH RESERVES FOR SELF-FUNDED MED INS		2680
	530-1801-513.31-00	864,802	FY16 SELF-FND MED INS CLM & ADMIN SVC FEES BDGT		2677
	530-1801-513.23-00	3,967,387			
2 Budget Amendments/Transfers			Division 1801 Total	$5,642,721	
2 Total Budget Amendments/Transfers			**HEALTH INSURANCE FUND**	**$5,642,721**	

291 Transfers & Amendments between 10/1/2015 and 7/31/2016

FY 2016 TOTAL TRANSFERS & AMENDMENTS **11,738,794**

NOTE: Group #s represent a complete transaction that will net to zero. Add all expenses for each group number, then subtract the revenues related to the same group number and your total will equal zero.

Report: W:\Finance Administration\Budget Tracking Worksheets\FY 2016 EXPENSE Budget Tracking Worksheet.imr
ran by Database User ID: cocoath

Date: 8/11/2016

FY 2016 BUDGET TRACKING WORKSHEET

REVENUE TRANSFER/AMENDMENT DETAIL
AS OF: 7/31/2016

Date	Accounts	Transaction	Resolution # / Description of Transfer or Amendment		Group #
12/14/15	001-0000-389.99-50	(1,054,358)	FB APPROP RESERVES		875
	001-0000-331.39-10	1,148,282	FED GRANT -TRANSPORTATION		875
	001-0000-389.99-11	460,094	RESTRICTED CASH CARRY FORWARD		875
01/22/16	001-0000-334.61-10	14,200	BREVARD COUNTY EMS GRANT		1418
	001-0000-389.99-50	815,000	FUND BAL-APPROP. RESERVES		1419
03/24/16	001-0000-381.91-21	93,000	TXFR FRM OTHER SOURCES NR TO CONTRACT SERVICES		2328
04/18/16	001-0000-389.99-50	405,266	ESTABLISH RESERVES SELF FUNDED MED INSURANCE		2679
05/04/16	001-0000-389.99-50	118,000	PURCHASE OF 3 PARCEL ID # FROM HOUSING AUTHORITY		2938
	001-0000-381.91-30	56,403	RAIL CROSSING MAINTENANCE ROSA L AND PEACHTREE		2927
	001-0000-389.99-50	95,462			2932
05/13/16	001-0000-381.91-30	38,709	CORRECT A BALANCING ERROR ON AGENDA #16-114		3090
05/26/16	001-0000-389.99-50	265,000	PURCHASE PROPERT AT CRNR OF FLORIDA, FORREST, & KI		3274
07/26/16	001-0000-389.99-50	200,000	ASPHALT TO REPAVE FISKE FROM HIGHLAND TO DIXON		4103
	001-0000-389.99-50	29,792	FL AVE PHASE 1 ACTIVITIES INCLUDE PRE-CONSTRUCTION		4102
	001-0000-389.99-50	200,000	RECYCLING TO REPAVE FISKE FROM HIGHLAND TO DIXON		4104
15	Budget Amendments/Transfers		Division 0000 Total	$2,884,850	
	15 Total Budget Amendments/Transfers		**GENERAL FUND**	**$2,884,850**	
11/09/15	110-0000-389.99-10	161,328	FROM CASH CARRY FORWRD CONTRACT SERVICES		670
	110-0000-338.00-00	(3,436)	FROM SHARED REVENUE LOCAL CONTRACT SERVICES		670
2	Budget Amendments/Transfers		Division 0000 Total	$157,892	
	2 Total Budget Amendments/Transfers		**REDEVELOPMENT AGENCY FUND**	**$157,892**	
12/02/15	111-0000-338.00-00	(281)	FY16 REVISED BUDGET		681
	111-0000-389.99-10	162,966			
04/18/16	111-0000-381.91-01	25,000	INTERLOCAL AGREEMENT PROJ DIAMOND SQUARE CRA		2669
2	Budget Amendments/Transfers		Division 0000 Total	$187,685	
	2 Total Budget Amendments/Transfers		**CRA DIAMOND SQUARE 626**	**$187,685**	
11/19/15	112-0000-338.00-00	(284)	REDUCE TIF REVENUE REVISED FY16 BUDGET		543
1	Budget Amendments/Transfers		Division 0000 Total	($284)	
	1 Total Budget Amendments/Transfers		**CRA US1 CORRIDOR**	**($284)**	

Date	Accounts	Transaction	Resolution # / Description of Transfer or Amendment		Group #
02/19/16	141-0000-389.99-11	27,029	BUD ADMNT R#2016-10 DUTY GEAR AGND#15-570		1814
1 Budget Amendments/Transfers			Division 0000 Total	$27,029	
1 Total Budget Amendments/Transfers			**POLICE CONFISCATED FUND**	**$27,029**	
12/14/15	421-0000-389.99-50	403,376	BAL FWD / FUND BAL APPROP RESERVES		874
	421-0000-389.99-50	1,218,834			
	421-0000-389.99-50	58,192	TO BALANCE FWD / BAL APPROP RESERVES		873
	421-0000-389.99-50	753,233	TO BALANCE FWD / FUN BAL APPROP RESERVES		872
04/18/16	421-0000-389.99-50	405,266	ESTBLSH RESERVES FOR SELF FUNDED MED INSURANCE		2678
4 Budget Amendments/Transfers			Division 0000 Total	$2,838,901	
4 Total Budget Amendments/Transfers			**WATER/SEWER ENTERPRISE**	**$2,838,901**	
04/18/16	530-0000-381.91-01	405,266	ESTABLISH RESERVES FOR SELF-FUNDED MED INS		2680
	530-0000-381.91-21	405,266			
	530-0000-341.20-00	4,832,189	FY16 SELF-FND MED INS CLM & ADMIN SVC FEES BDGT		2677
2 Budget Amendments/Transfers			Division 0000 Total	$5,642,721	
2 Total Budget Amendments/Transfers			**HEALTH INSURANCE FUND**	**$5,642,721**	

27 Transfers & Amendments between 10/1/2015 and 7/31/2016

FY 2016 TOTAL TRANSFERS & AMENDMENTS **11,738,794**

NOTE: Group #s represent a complete transaction that will net to zero. Add all expenses for each group number, then subtract the revenues related to the same group number and your total will equal zero.

Report: W:\Finance Administration\Budget Tracking Worksheets\FY 2016 REVENUE Budget Tracking Worksheet.imr
ran by Database User ID: cocoath

Date: 8/11/2016

Legislation Details (With Text)

File #:	16-353	**Version:**	1	**Name:**	
Type:	Informational Item			**Status:**	Agenda Ready
File created:	8/10/2016			**In control:**	City Council
On agenda:	8/23/2016			**Final action:**	
Title:	New local business tax receipts for July 16, 2016- August 10, 2016. (Community Services Director)				
Sponsors:					
Indexes:					
Code sections:					
Attachments:	8-23-16 New local business tax receipts.pdf				

Date	Ver.	Action By	Action	Result

CITY COUNCIL AGENDA ITEM

Memo Date: August 10, 2016
Agenda Date: August 23, 2016
Prepared By: T. Scott Davis, MCP, Building Official
Through: Steven P. Belden, AICP, Community Services Director
Requested Action:
New local business tax receipts

BACKGROUND:

Attached City Council will find a report identifying recipients of new local business tax receipts (occupational license) for July 16, 2016 - August 10, 2016. Please keep in mind that some may represent businesses that let their business tax receipt (occupational license) expire and subsequently applied for a new local business tax receipt.

STRATEGIC PLAN CONNECTION:

None

BUDGETARY IMPACT:

None.

PREVIOUS ACTION:

None.

RECOMMENDED MOTION:
None, this is an information agenda item.

LIC #	BUSINESS NAME BUSINESS ADDRESS	ISSUED	TYPE	CLASSIFICATION	BUS PHONE #
16-00007445	ACCEPTANCE NOW #09519 801 DIXON BLVD UNIT 1145A COCOA FL 32922	7/20/16	NEW	Administrative and Support Services	972-801-1904
16-00007461	ACE PROPERTY CARE 232 BEVERLY RD COCOA FL 32922	8/08/16	NEW	Administrative and Support Services	321-207-6208
16-00007447	ACES-3, LLC 518 SOUTH INDUSTRY RD COCOA FL 32926	7/21/16	NEW	Professional, Scientific, and Tech S	321-338-2477
16-00007446	ARTE ORO FINE JEWELRY INC. 105 BREVARD AVE COCOA FL 32922	7/20/16	NEW	Clothing and Clothing Accessories St	321-417-5086
16-00007458	BEATZ N BRONZ 105 BREVARD AVE COCOA FL 32922	7/27/16	NEW	Amusement, Gambling, and Recreation	321-298-5133
16-00007455	COCOA NATURAL HEALTH AND WELLN 218 BREVARD AVE COCOA FL 32922	7/25/16	NEW	Ambulatory Health Care Services	321-323-9636
16-00007452	FAMILY LIFE INSURANCE COMPANY DOING BUSINESS IN COCOA FL 32922	7/22/16	NEW	Insurance Carriers and Related Activ	713-529-0045
16-00007451	MANHATTAN LIFE INSURANCE CO DOING BUSINESS IN COCOA FL 32922	7/22/16	NEW	Insurance Carriers and Related Activ	713-529-0045
16-00007460	PRISTINE MOTORSPORTS SALON LLC 2315 N COCOA BLVD COCOA FL 32922	8/01/16	NEW	Merchant Wholesalers, Durable Goods	407-962-8647
16-00007454	SALLY'S BARGAIN BARN & PAWN 1523 N COCOA BLVD GARB COCOA FL 32922	7/25/16	NEW	Credit Intermediation and Related Ac	321-633-3081
16-00007453	SALLY'S MOTORS 1523 N COCOA BLVD GARB COCOA FL 32922	7/25/16	NEW	Motor Vehicle and Parts Dealers	321-633-3081
16-00007448	SUNOCO RETAIL LLC 3500 HIGHWAY 524 COCOA FL 32926	7/21/16	NEW	Gasoline Stations	321-639-6982
16-00007459	THINNKEEPERS LLC 241 N INDIAN RIVER DR COCOA FL 32922	7/28/16	NEW	Accommodations	321-917-3487