

*Brevard County's*  
**Save**  
*our*  
**LAGOON**

Quarterly Progress Report  
October 1 – December 31, 2022  
February 17, 2023



## Public Education

### **Expanded Fertilizer**

- 67% complete

### **Grass Clippings**

- 57% complete

### **Septic Maintenance**

- 67% complete

### **Restore Our Shores**

- 15% complete

### **Oyster Gardening**

- 100% complete

5 Projects (1 complete, 4 underway)

\$2,425,000 Total Budget

28,879 TN Load reduction

Avg Cost = \$84/lb TN



# WWTF Upgrades for Reclaimed Water

6 Projects

\$25,964,195 Total Budget

69,823 lbs/yr TN Load Reduction

Avg Cost = \$383/lb TN

2 Complete

Cocoa Beach

Palm Bay

2 In Construction

Titusville Osprey

Rockledge

2 In Design

West Melbourne Ray Bullard

Melbourne Grant St



# Rapid Infiltration Basin/Sprayfield Upgrades

2 Projects

\$82,207 Total Budget

317 lbs/yr TN Reduction

Avg Cost = \$259/lb TN

## Completed:

Long Point Park Upgrade

- \$22,207

## Uncontracted:

Sterling House Condo





# Package Plant Connections

## Completed:

### **Oak Point Mobile Home Park**

- 100% construction complete



## **3 Projects**

**\$2,157,072 Total Budget**

**2,003 lbs/yr TN Reduction**

**Avg Cost = \$1,007/lb TN**

## Uncontracted

### **Merritt Island Utility Company (withdrawn)**

- \$1,349,445

### **Indian River Shores Trailer Park WWTF**

- \$528,627

# Smoke Testing/Sewer Laterals     **6 Projects**

## Completed:

- Satellite Beach Pilot Smoke Testing
- Barefoot Bay Lateral Smoke Testing
- South Beaches Lateral Smoke Testing
- Merritt Island Lateral Smoke Testing



**\$1,580,000 Total Budget**

**5,696 lbs/yr TN Reduction**

**Avg Cost = \$255/lb**

**Over 40,000 homes**

## Underway:

- County Wide Repairs
  - 566 Missing Caps Replaced
  - 212 Repair/Replacements Completed

## Uncontracted:

- Osprey Basin Smoke Testing

# Septic Removal

## 8 In Construction Phase

- South Central - Zone C
  - 82% of Construction Complete
- Micco Sewer Line Extension (Phase I & II)
  - 1% of Construction Complete
- Kent & Villa Espana Septic to Sewer
  - Villa Espana Force Main Complete
- South Central - Zone F/Pineapple Avenue
  - 5 of 61\* Connections Complete
- Hoag Sewer Conversion
  - 3 of 5 Connections Complete
- Pennwood Sewer Conversion
  - 2 of 5 Connections Complete
- Riverside Drive Septic-to-Sewer Conversion
  - 1 of 12 Connections Complete
- Roxy Avenue Septic-to-Sewer Conversion
  - 2 of 6 Connections Complete

**42 Projects**

**\$119,645,660 Total Budget**

**95,078 lbs TN Reduction**

**Avg Cost = \$1249/lb TN**

## 3 Completed Projects

- Breeze Swept
- MIRA
- Sylvan Estates

## 2 In Bidding Phase

- South Beaches - Zone O
  - Re-bid w/ Zone P
- South Beaches - Zone P
  - Preparing to Bid

## 19 In Design Phase

## 10 Uncontracted

# Septic Upgrades & Quick Connects

1,625 Septic Upgrades  
876 Quick Connects

\$770/lb  
\$526/lb

37,981 lbs/yr TN Reduction  
21,527 lbs/yr TN Reduction

Project Number	Project	Responsible Entity	Save Our Lagoon Project Cost	Applications Contracted	Contracts Completed	Total TN Reduction (lbs/yr)
51	Banana River Lagoon 100 Septic System Upgrades	Private Citizens	\$1,800,000	18	10	193
52	North IRL 586 Septic System Upgrades	Private Citizens	\$10,548,000	74	40	946
53	Central IRL 939 Septic System Upgrades	Private Citizens	\$16,885,106	157	68	1607
	<b>Septic System Upgrades Total</b>		<b>\$29,233,106</b>	<b>249</b>	<b>118</b>	<b>2746</b>
2016-16	Banana Septic System 144 Quick Connections	Private Citizens	\$ 1,905,729	7	3	67
2016-18	North IRL Septic System 463 Quick Connections	Private Citizens	\$ 6,018,000	48	41	1004
2016-19	Central IRL Septic System 269 Quick Connections	Private Citizens	\$ 3,354,000	8	2	51
222	Hedgecock/Grabowsky & Desoto Fields	Satellite Beach	\$ 39,447	1	0	0
	<b>Septic System Removal by Sewer Connection Total</b>		<b>\$11,317,176</b>	<b>64</b>	<b>46</b>	<b>1122</b>



# Stormwater Projects

233 Projects

\$48,441,724 Total Budget

280,134 lbs TN Reduction

Avg Cost = \$175/lb TN

38 Completed Projects

3 In Construction Phase

- Basin 89 Scottsmeer I - Aurantia Road Denitrification
- Satellite Beach Lori Laine Project
- Crane Creek/M-1 Canal Flow Restoration

11 In Design



# Vegetation Harvesting

9 Projects (4 complete)  
\$1,374,296 Total Budget  
25,600 lbs/yr TN Reduction  
Avg Cost = \$70/lb TN



## In Construction Phase

- MTWCD

### **THIS QUARTER:**

245,200 lbs of vegetation harvested  
Estimated TN Reduction: 2,354 lbs  
53% complete

### **TOTAL:**

929,760 lbs of vegetation harvested  
Estimated TN Reduction: 8,833 lbs

## In Design Phase:

- Basin 1398 Sand Dollar
- Basin 958 Pioneer Rd





# Muck Removal & Interstitial Treatment

**19 Projects (4 complete)**

**\$155,577,961 Total Budget**

**692,006 lbs/yr TN Reduction**

**Avg Cost = \$520/lb TN for Dredging**

**Avg Cost = \$98/lb TN for Treatment**

## In Construction Phase:

- Grand Canal
  - 255,790 cubic yards of material dredged
- Sykes Creek
  - 28,000 cubic yards of material dredged

## In Bidding Phase

- Eau Gallie Northeast



## In Design Phase

- Rockledge A
- Titusville Railroad West
- NASA Cswy East
- Titusville Railroad East
- Canaveral South
- Merritt Island Phase I
- Cocoa Beach Golf Muck
- Indian Harbour Beach Canals
- Satellite Beach

Oyster Bars  
25 Projects (8 complete)  
\$9,809,545 Total Budget  
24,699 lbs/yr TN Reduction  
Avg Cost = \$397/lb

In Construction Phase:

- Brevard Zoo Banana River
- Brevard Zoo CIRL 2
- Brevard Zoo NIRL
  - 1,857 sqft this quarter
- Brevard Zoo NIRL 2
- Brevard Zoo NIRL 3
- McNabb Oyster Bar



# Clam Aquaculture

10 Farms

\$60,000 Total Budget

1,000 lbs/yr TN Reduction

Avg Cost = \$60/lb TN

- 3 Active Farmers
- Looking for 7 more





# Planted Shorelines

11 Projects (7 complete)

\$130,455 Total Budget

544 lbs/yr TN Reduction

Avg Cost = \$240/lb TN

## In Design:

- Titusville Causeway Multi-Trophic Restoration

## 2 Uncontracted:

- Scottsmoor Impoundment
- Melbourne Riverview Park

## 1 In Construction:

- McNabb
  - 18 additional planter boxes installed
  - Rhizolith Islands to be installed next quarter



# Overview

Totals	Total TN Reduction (lbs/yr)	Total TP Reduction (lbs/yr)	Scopes of Work Received	Contracts Executed	Projects in Design	Projects Under Construction	Projects Complete
Total as of Previous Quarter	159,557	11,144	145	137	134	95	69
Total as of This Quarter	178,579	12,000	151	150	150	100	72