

BREVARD'S WATER: STORMWATER & DRAINAGE



BREVARD'S WATER

Ecological & Economic Value

Coastal System - Atlantic Ocean

- ▶ Managed Beaches - 50-year Federal Project & Engineered South Beaches Dune
- ▶ Infrastructure Protection from Coastal Surge

Estuarine System - Indian River Lagoon

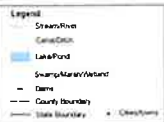
- ▶ Save Our Indian River Lagoon Program

Riverine System - St Johns River

- ▶ Out of County Considerations
- ▶ Development /Agricultural Conversion

Rainfall

Groundwater



Brevard County Hydrography

Produced in 2008 by the Florida Center for Environmental Technology (FCET)
Using data from the United States Geological Survey (USGS)



0 2.5 5 10 Miles

SAVE OUR INDIAN RIVER LAGOON STORMWATER FUNDING

Project Progress

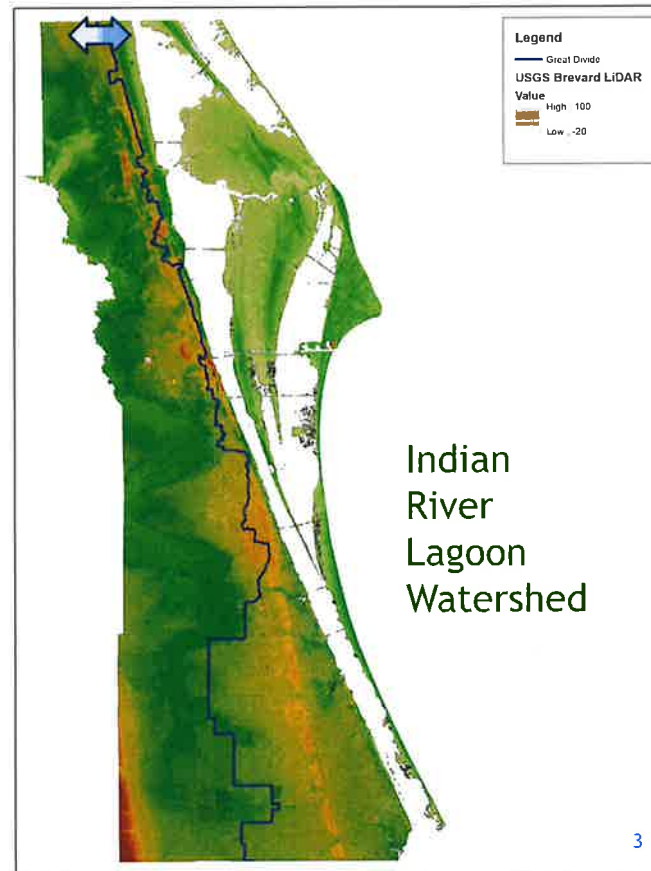
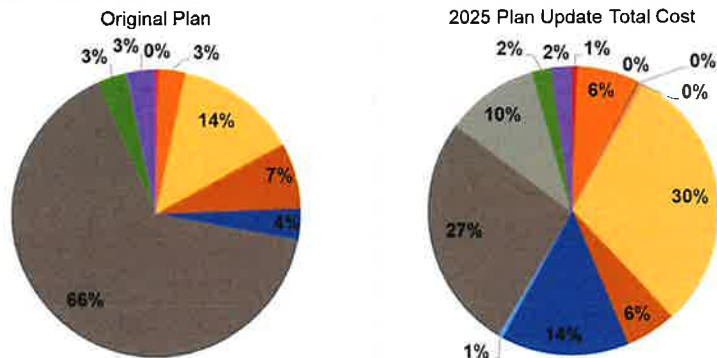
- 58 Projects Completed
- 35 Projects Underway
- 167 More Priority Basins
 - \$61M Budget Assigned

Nitrogen-Based Cost Share

- Traditional or GSI/LID BMPs

Funding Increase via Annual Updates

\$10.4M (2016) → \$86.7M (2025)



Project Types

- Wet detention ponds
- On-line retention and swales
- Off-line retention and swales
- Dry detention
- 2nd and 3rd generation baffle boxes
- Stormwater reuse for irrigation
- Alum injection
- Catch Basin Inserts/Inlet Filters
- Managed Aquatic Plant System
- Pond Circulation
- Permeable Pavement
- Bioswales
- Green roofs
- Bioretention basins
- Rain Gardens
- Tree boxes

ROLES & RESPONSIBILITIES

| Services | Public Works | Natural Resources - Stormwater |
|-----------------------------|--|---|
| Florida DEP NPDES Permit | Reports PW work to SW per SOP. | Administer & perform required work. |
| Education and Outreach | N/A | Yes |
| Permit Review* | Development stormwater review. Driveway culverts. | Stormwater-Pay PW for Position Env & Floodplain Permit Review |
| Studies and Master Planning | Related to ROW flooding/drainage. | County wide - large and small areas. |
| Flood & Nutrient Grants | Related to ROW flooding/drainage. | Application & Administration for SW projects. |
| Citizen Complaints* ** | Right-of-way related drainage. | Flooding, water quality, fish kills, etc. Code Enforcement related to Environmental Complaints |
| Projects | Right-of-way related flooding & drainage. | Implementation of studies & master plans - water quality and flood. |
| Interdepartmental Support | Roadway, maintenance, & construction. | Stormwater and environmental assistance. |
| Water Quality Monitoring | Project related. | For projects, grant, and permitting. |
| Pollutant Source Tracking | Related to Development Permit Construction Discharge | As needed. |
| SW Utility Fee & Credit | N/A | Calculation, PAO & IT coordination, administration for some cities, budget preparation, biannual site review. |
| Maintenance | Right-of-way related (including pumps). | Related to water quality & regional ponds. Vegetative harvesting. |

* **Planning & Development** - Permit Review related to FFE's and Lot Drainage
Citizen Complaints related to non-environmental Code Enforcement

** **Emergency Operations** - Collects crisis data from departments and residents
Manages the Local Mitigation Strategy

BREVARD'S WATER

RISK & DEFENSE

Causes of Risk

- Topography
- Storm Event Severity & Frequency
- Development Prior to Comp Plan & Stormwater Rules
- Code & Environmental Violations

Defense Tools

- Regulatory - Code Modifications
- Additional/Proactive Code Enforcement
- Green Stormwater Infrastructure & Low Impact Development
 - Developers & Homeowners
- Buy Outs
- Routine Maintenance
- Sufficient Staffing & Equipment Levels
- Large & Small Retrofit Projects

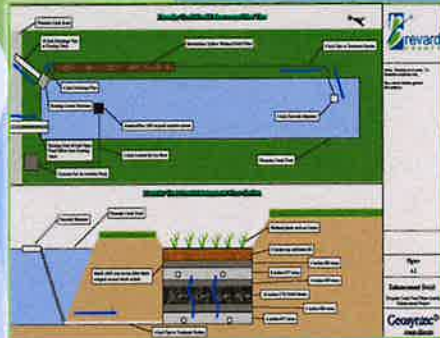
BREVARD'S WATER

TYPES OF COUNTY PROJECTS/ DEFENSE



Flood Control

Movement of Water to Mitigate Risk
Larger Scale, Multi-Year



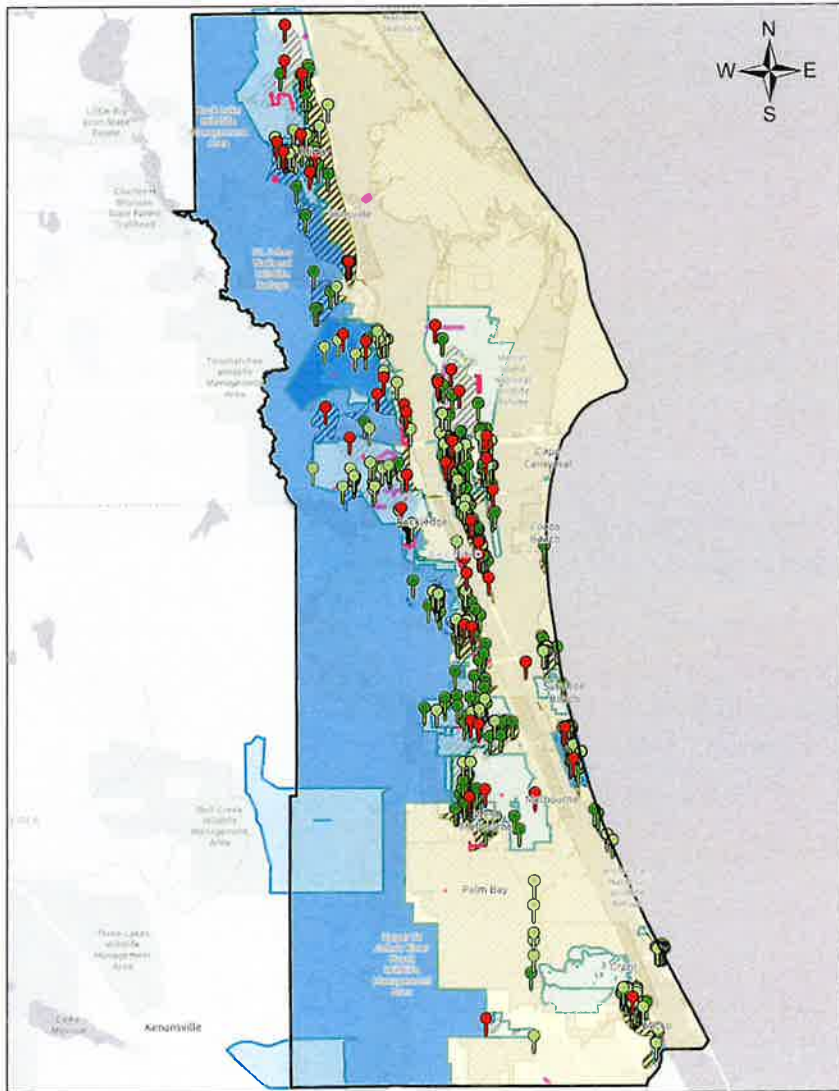
Water Quality

Nutrient Removal Required by State












Resilience

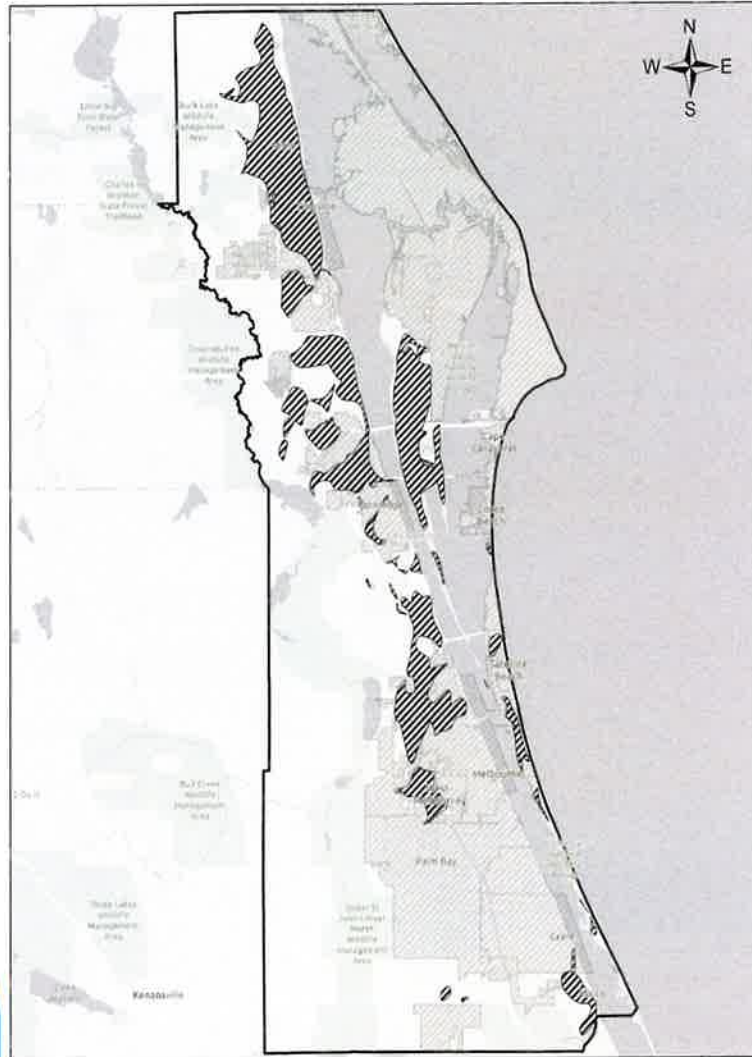
Strengthening Green & Gray Infrastructure
Protection against extreme weather




Countywide Drainage / Flooding Overview

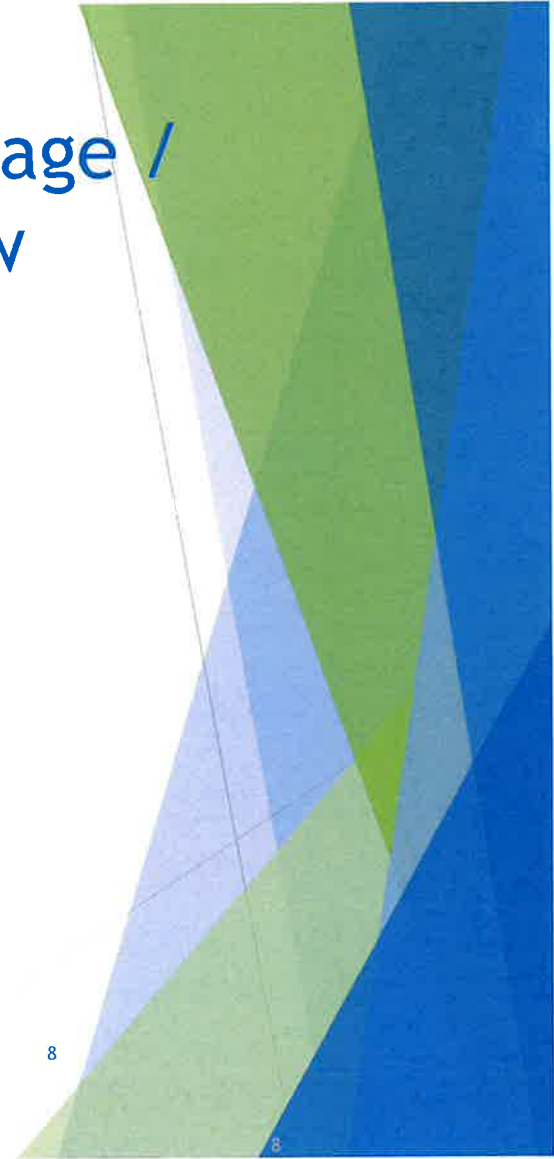
-  Countywide Vulnerability Study
-  Documented drainage and flooding areas since 2012
-  Historical Drainage Studies
-  Current Drainage studies
-  Natural Resource's 5-year CIP's
-  Public Work's Funded Drainage CIP's
-  PW Road and Bridge Structural Pipe Lining
-  PW Road and Bridge Culvert Replacements
-  PW Road and Bridge Unfunded Critical Drainage CIP's



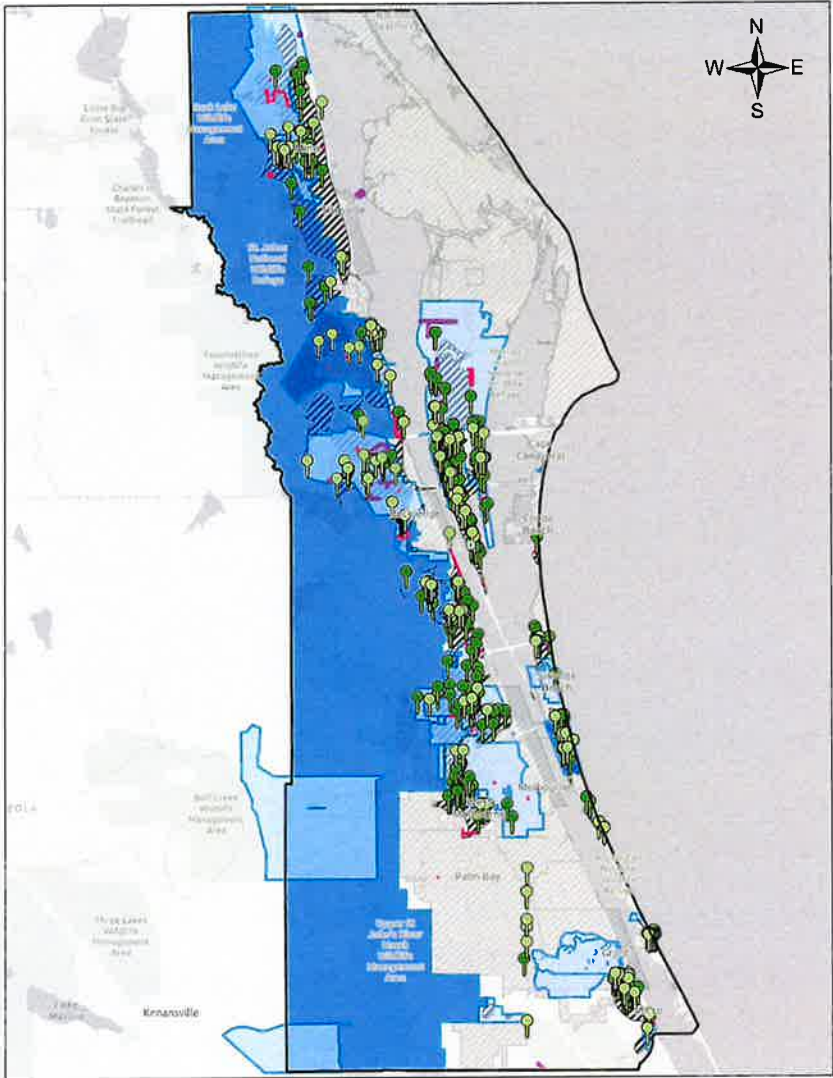









Countywide Drainage / Flooding Overview

 Documented drainage and flooding areas since 2012

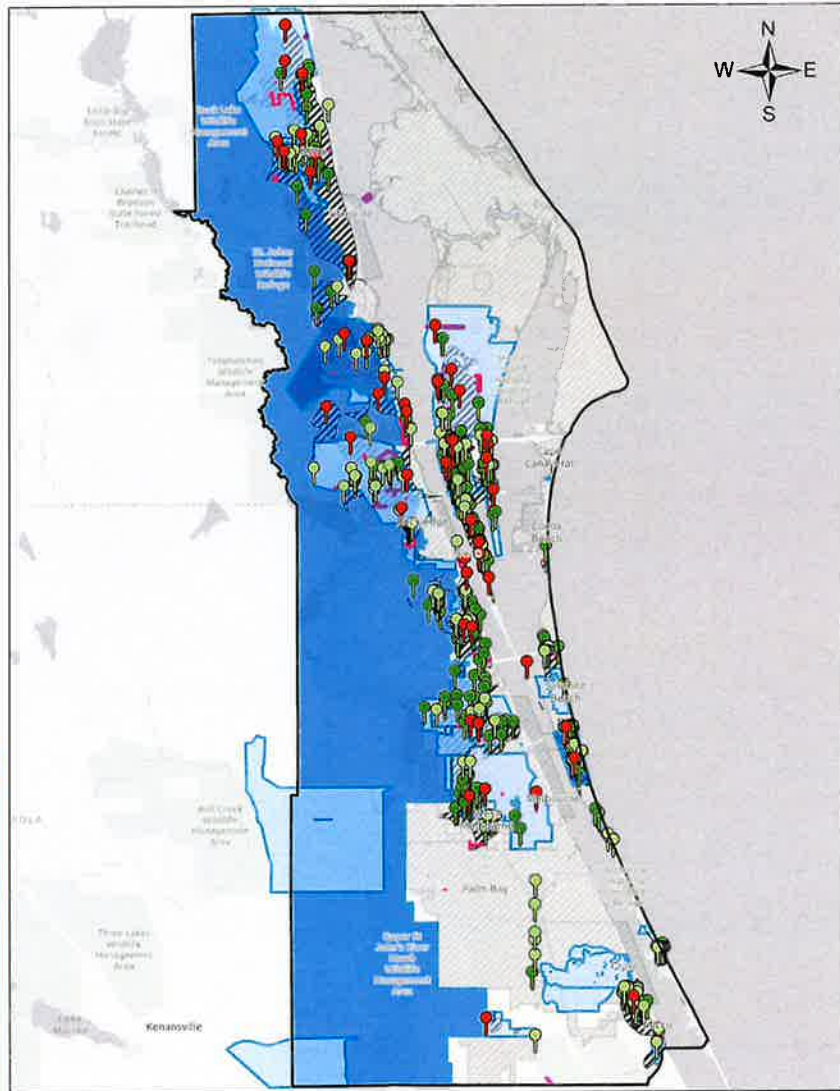


Countywide Drainage / Flooding Overview


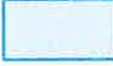








-  Documented drainage and flooding areas since 2012
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-  Current Drainage studies
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Countywide Drainage / Flooding Overview

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LARGE & SMALL AREA STUDIES & MODELING

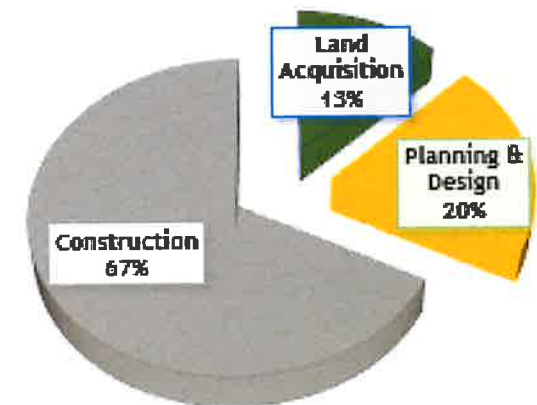
Multiple modeling efforts are underway

- ▶ Identify assets and areas at risk from current and future conditions
- ▶ Required by Florida Statute
- ▶ Grant funded, including 8 municipalities
- ▶ Goal within 3 years - County-wide Vulnerability Assessment with real-time flood forecasting

Why spend time/money on studies when flooded areas are reported by citizens to the County?

- ▶ Permitting & grant applications
- ▶ Unintended consequences - wrong fix
- ▶ Waste of funds and resources
- ▶ Average stormwater project - 7 years

TYPICAL PROJECT COSTS



LARGE AREA FLOOD MITIGATION - CRANE CREEK/LAMPLIGHTER



←BEFORE

AFTER↓



Flood Mitigation - Lamplighter homes flooded
after Tropical Storm Fay

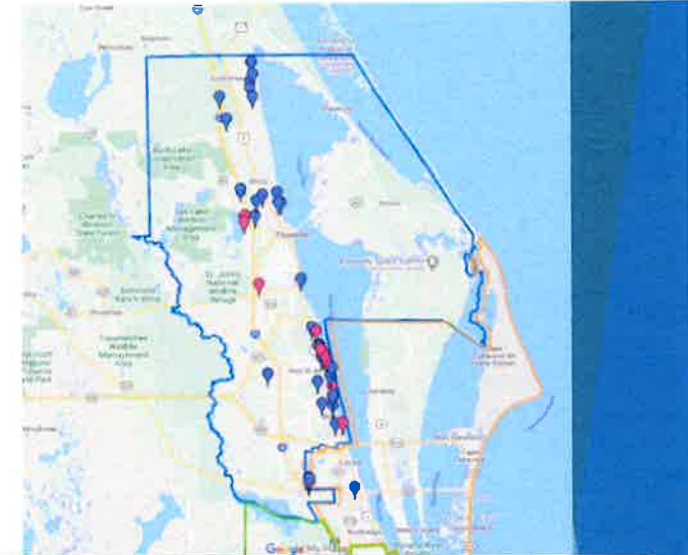
Groveland and Yacht Harbor also
at reduced risk post-project

LARGE AREA FLOOD MITIGATION - CRANE CREEK/LAMPLIGHTER



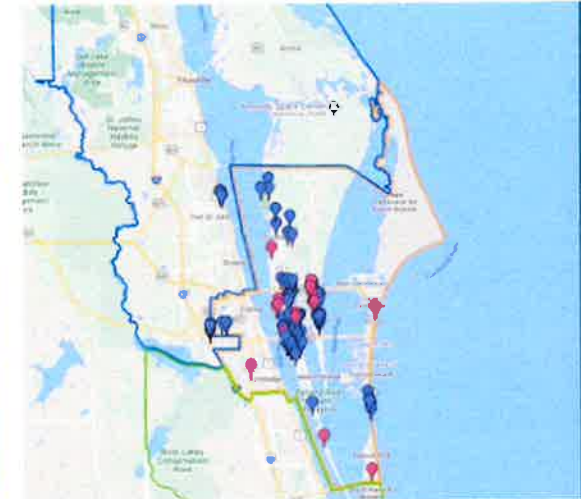
Multiple culverts under I-95 and Eau Gallie & new channels provided flood mitigation and nutrient reduction

District 1 Stormwater CIP Projects



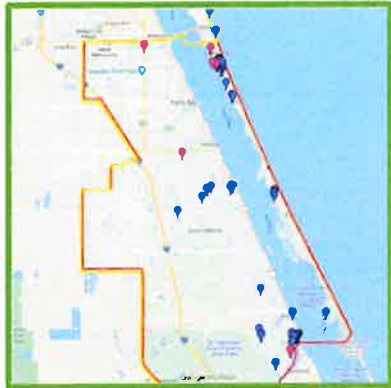
| PROJECT DETAILS | | | BENEFITS | | | FUNDING | | |
|--|-------------------------|-----------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Project Name | Project Cost FY25-26 | Total Project Cost (All Years) | Flood Control | Water Quality | Resilience | Stormwater Assessment | SOIRL | Grants |
| W Cocoa SW Drainage Improvements D1 - 2016-27 | \$4,306,108 | \$13,082,524 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Max Brewer Storm Damage Restoration - 2021-25 | \$400,000 | \$4,269,406 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Fay Lake - 2015-28 | \$550,006 | \$4,145,994 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| West County Stormwater Improvements D1 - 2023-28 | \$900,000 | \$3,100,000 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Ditch Outfall Denitrification D1 - 2015-29 | \$141,812 | \$2,117,169 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| East Main Mims Nutrient Removal - 2020-27 | \$790,000 | \$1,240,000 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Huntington Pond Denitrification - 2017-26 | \$692,226 | \$799,977 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| N Scottsmoor C Phase 2 - 2024-26 | \$650,000 | \$700,000 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Breezeway D1 - 2014-26 | \$15,000 | \$395,000 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| N Scottsmoor I Phase 2 - 2024-26 | \$270,000 | \$300,000 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| TOTAL | \$8,679,225 | \$30,150,070 | | | | | | |

District 2 Stormwater CIP Projects



| PROJECT DETAILS | | | BENEFITS | | | FUNDING | | |
|---|-------------------------|---------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Project Name | Project Cost FY25-26 | Total Project Cost All Years | Flood Control | Water Quality | Resilience | Stormwater Assessment | SOIRL | Grants |
| Mud Lake - 2018-27 | \$ 1,025,000 | \$ 3,116,259 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> |
| Nasa Drainage Improvement D2 - 2023-26 | \$ 85,738 | \$ 2,555,981 | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> |
| W Cocoa Stormwater Drainage Improvements D2 - 2024-26 | \$ 2,060,000 | \$ 2,520,000 | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> |
| PICA PH III Emergency Outfall Weir - 2018-26 | \$ 415,000 | \$ 2,315,000 | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| W Crisafulli/Church Rd Improvements - 2016-27 | \$ 1,170,000 | \$ 2,210,779 | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> |
| Richland Ave - 2021-30 | \$ 690,000 | \$ 1,551,629 | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Angel Ave - 2021-26 | \$ 1,057,593 | \$ 1,247,316 | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Ditch Outfall Denitrification D2 - 2015-29 | \$ 183,196 | \$ 1,053,039 | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | |
| Banana/Hampton Homes - 2021-29 | \$ 75,000 | \$ 927,435 | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Pioneer Rd Ditch Outfall - 2021-26 | \$ 202,488 | \$ 783,517 | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Elliott Drive - 2021-27 | \$ 408,515 | \$ 657,515 | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| N MI Pump Stations Flow Meters Retrofit - 2021-26 | \$ 130,000 | \$ 130,000 | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | \$ 7,502,530 | \$ 19,068,470 | | | | | | |

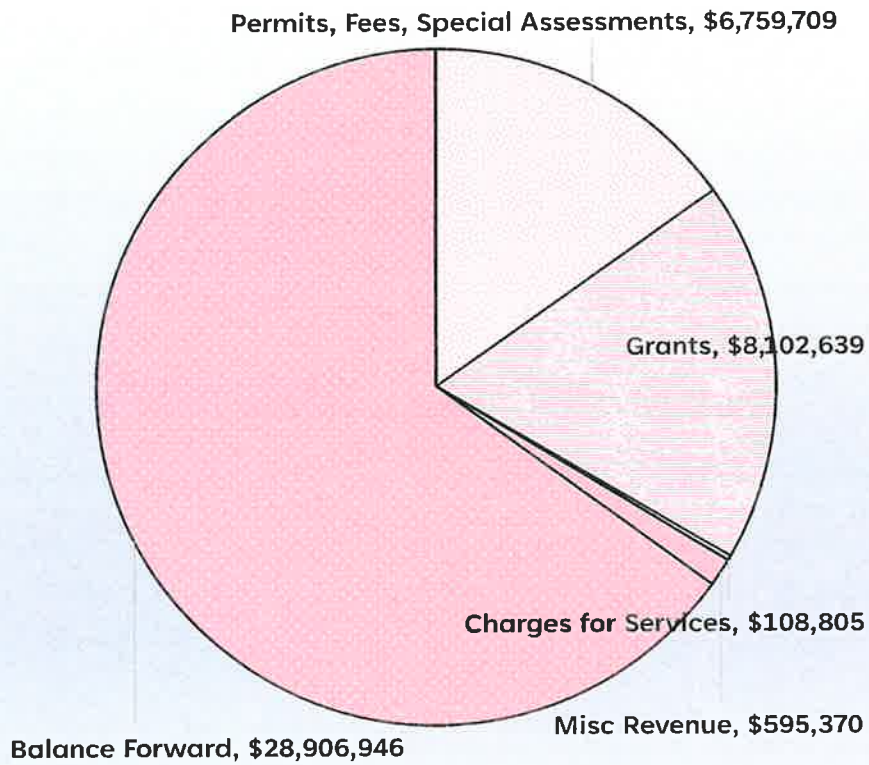
Districts 3, 4, & 5 Stormwater CIP Projects



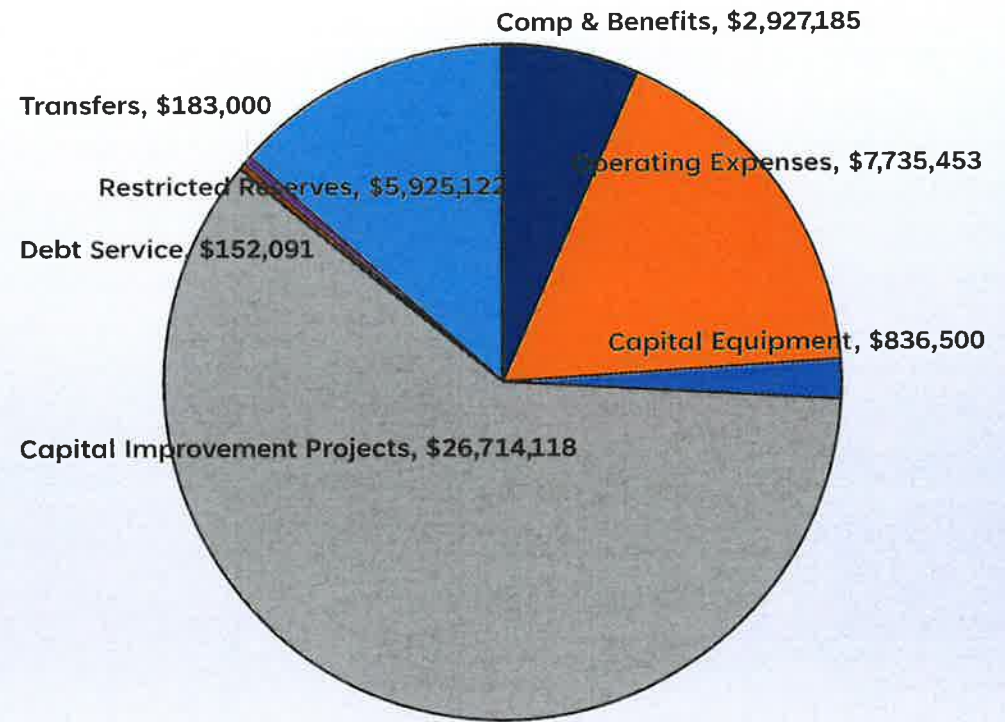
| PROJECT DETAILS | | | | BENEFITS | | | FUNDING | | |
|-----------------|--|----------------------|------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| District | Project Name | Project Cost FY25-26 | Total Project Cost All Years | Flood Control | Water Quality | Resilience | Stormwater Assessment | SOIRL | Grants |
| 3 | Micco Central - 2018-26 | \$ 1,659,472 | \$ 2,255,247 | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> |
| | Ditch Outfall Denitrification D3 - 2015-29 | \$ 819,710 | \$ 1,902,724 | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | |
| | | \$ 2,479,182 | \$ 4,157,971 | | | | | | |
| 4 | Ditch Outfall Denitrification D4 - 2015-29 | \$ 1,230,641 | \$ 4,231,626 | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | |
| | Kingsmill - 2017-26 | \$ 3,070,803 | \$ 3,224,249 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Ruby St - 2018-26 | \$ 1,030,000 | \$ 1,123,385 | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Flamingo - 2021-26 | \$ 458,623 | \$ 932,692 | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Stormwater Performance Retrofits D4 - 2022-26 | \$ 317,401 | \$ 828,957 | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | W Arlington -2021-26 | \$ - | \$ 345,498 | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | | \$ 6,107,468 | \$ 10,686,407 | | | | | | |
| 5 | Sandollar Canal - 2021-26 | \$ 1,700,000 | \$ 1,896,503 | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Hoover and Ocean Park SW Improvements - 2018-26 | \$ 1,114,574 | \$ 1,200,000 | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Ditch Outfall Denitrification D5 - 2015-29 | \$ 451,351 | \$ 1,197,471 | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | |
| | Basin 2258 Ditch Outfall Denitrification - 2019-26 | \$ 441,124 | \$ 508,543 | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | | \$ 3,707,049 | \$ 4,802,517 | | | | | | |

STORMWATER PROGRAM - 34 PROJECTS, 13 FLOOD CONTROL

Revenue - \$44,473,469

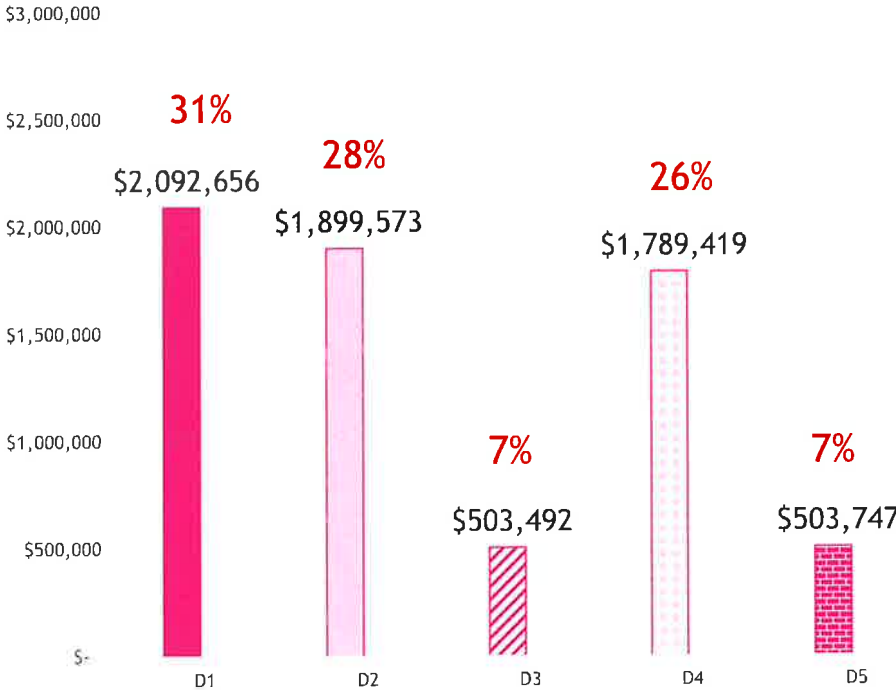


Expense - \$44,473,469

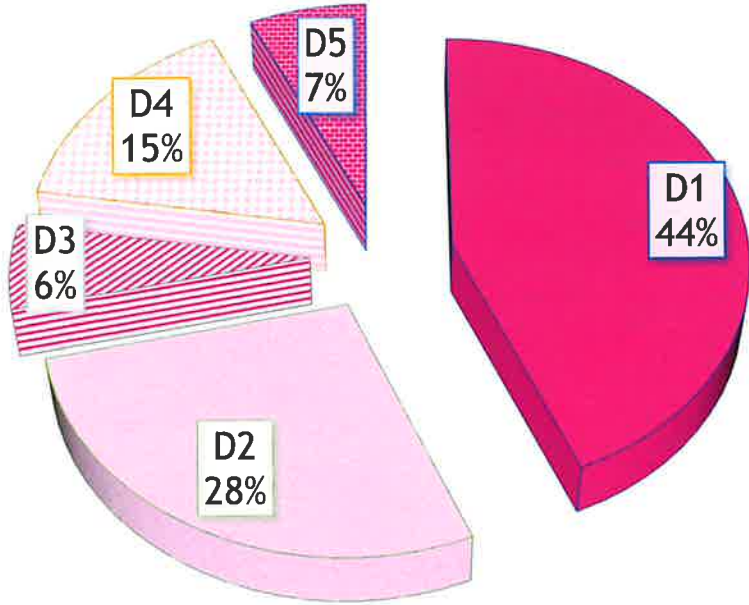


District Revenue v. Project Expenditures

FY25/26 PROJECTED STORMWATER ASSESSMENT REVENUE BY DISTRICT



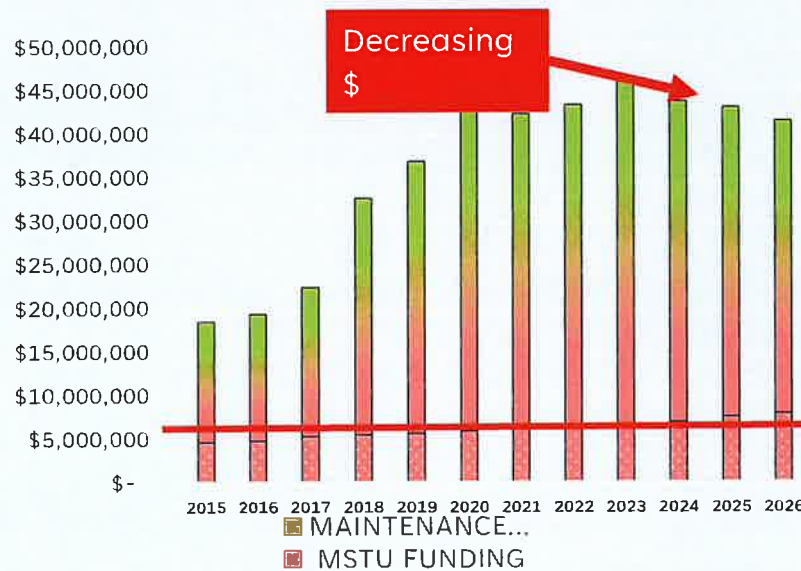
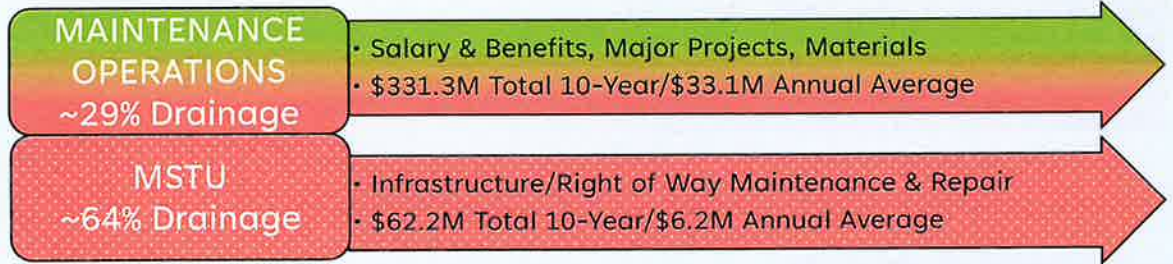
BOARD APPROVED CURRENT CAPITAL IMPROVEMENT PROJECTS (CIP) BY DISTRICT





 PW Road and Bridge Unfunded Critical Drainage CIP's

PW R&B Funding



| MSTU Districts | Available Funding @ Start of Fiscal Year |
|-----------------------|--|
| MSTU District 1 | \$1,837,814 |
| MSTU District 2 | \$972,959 |
| MSTU District 3 | \$698,828 |
| MSTU District 4 | \$2,619,867 |
| MSTU District 5 | \$805,402 |
| MSTU District 4 MI | \$121,155 |
| MSTU District 4 BEACH | \$250,738 |

MSTU nearly FLAT for last decade

Historical Subdivisions and Lots

1986 SJRWMD ERP Permitting
1988 Brevard County Comp Plan

➔ ~108K Residential Structures

1993 County Adopts Stormwater Management Codes

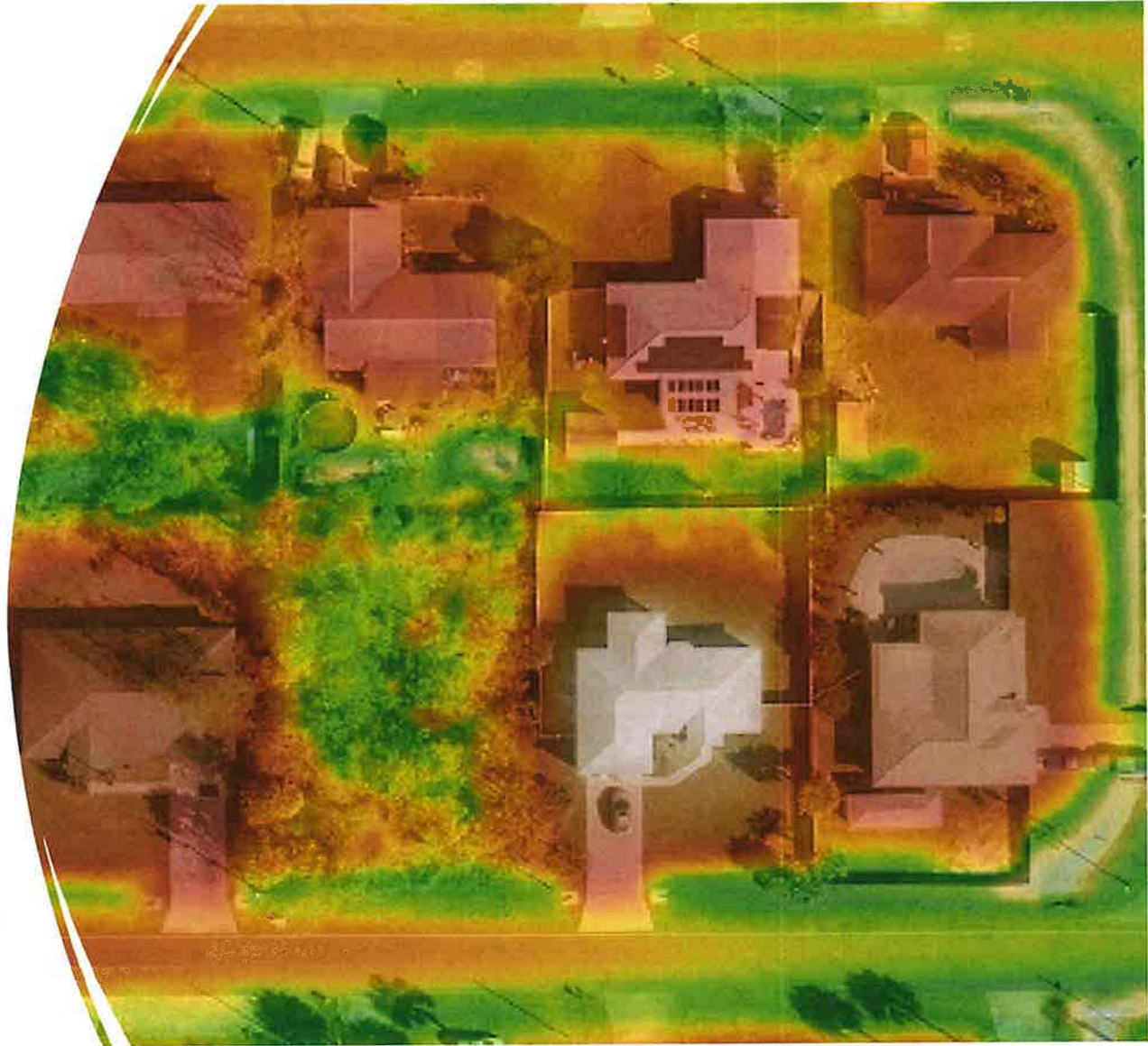
1995 County Original Lot Drainage Code

➔ ~130K Residential Structures

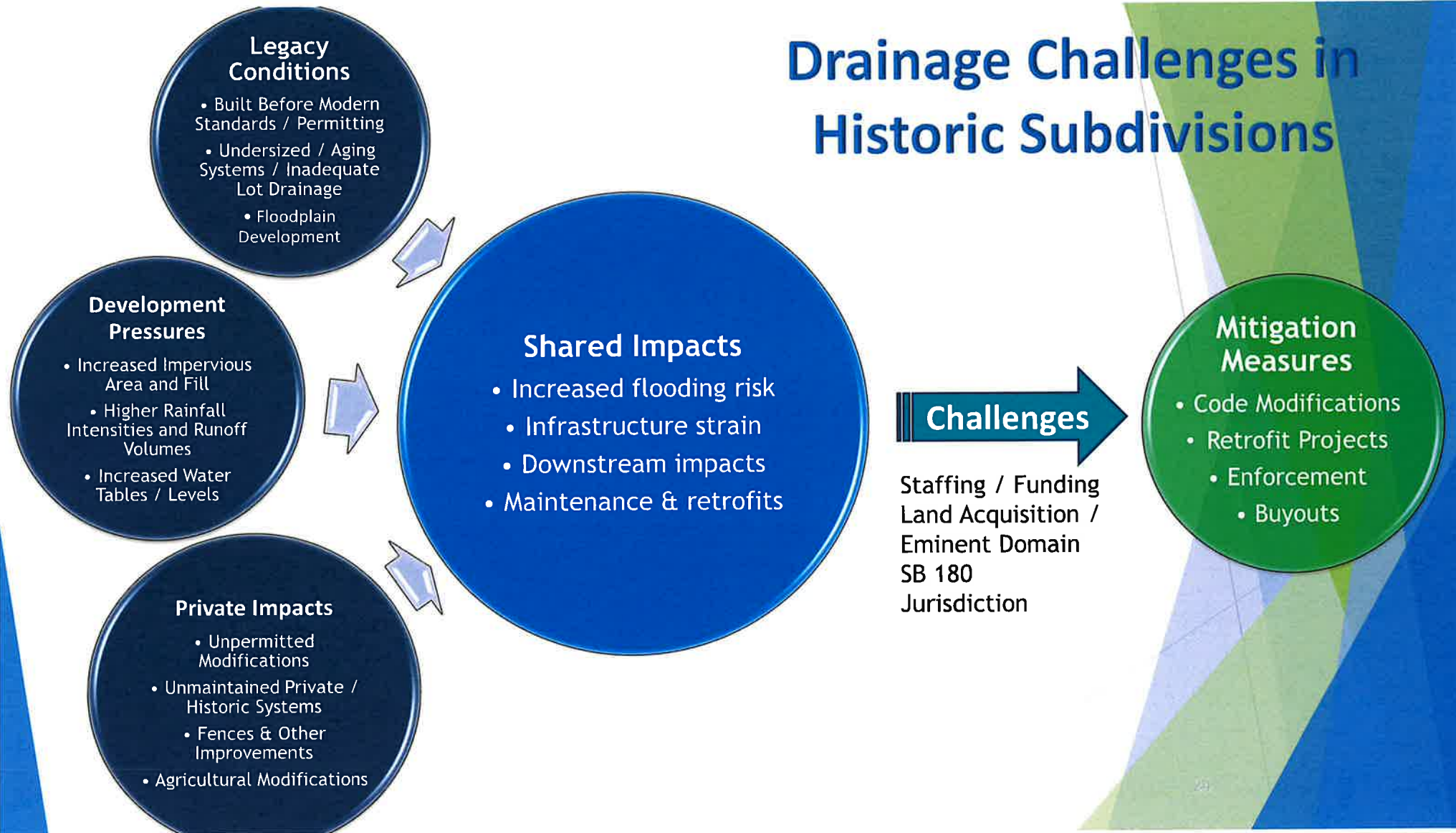
2015 County Updated Lot Drainage Code

➔ ~175K Residential Structures

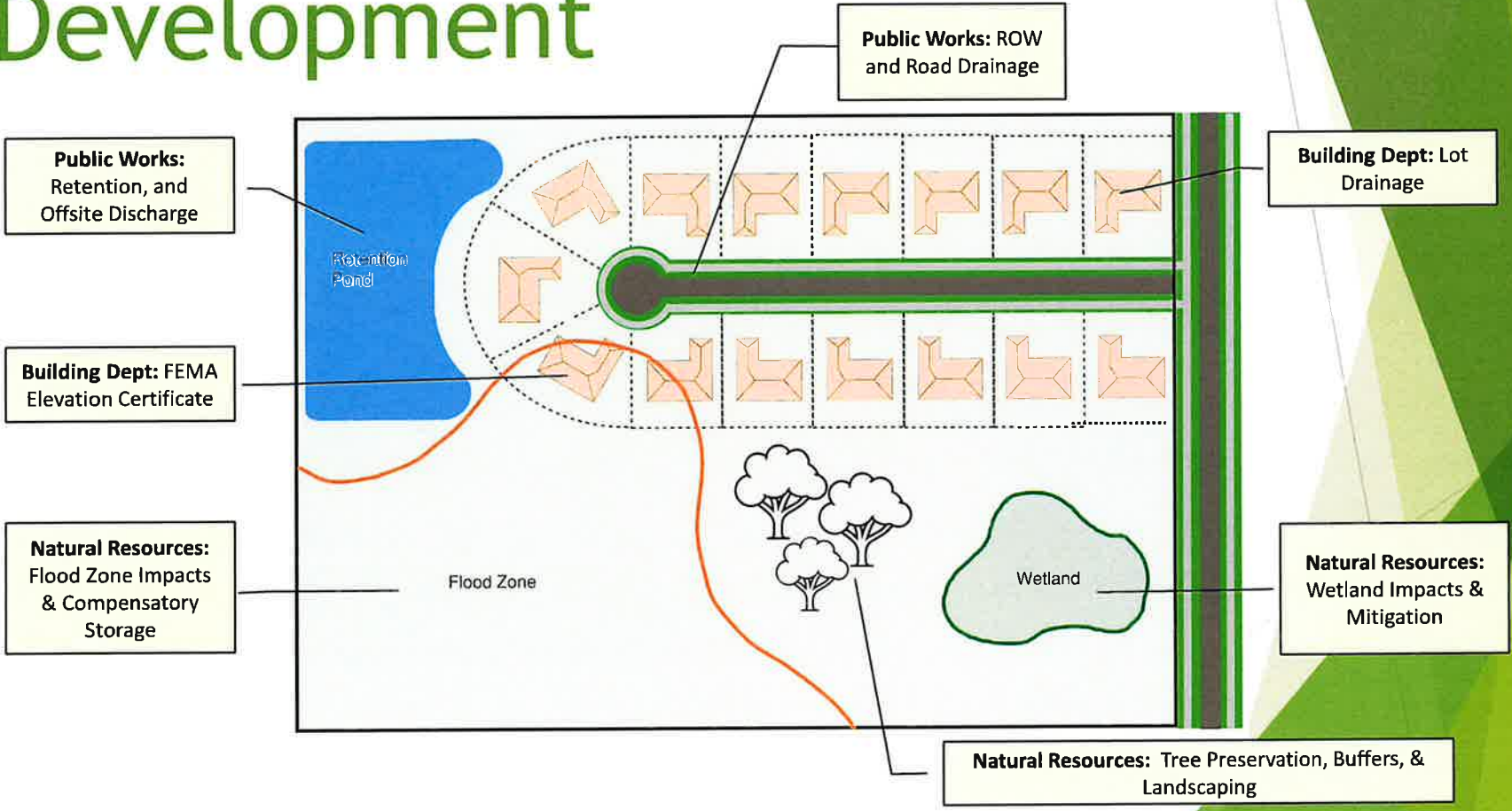
~90% of Total County Residential Structures Built Before 2015



Drainage Challenges in Historic Subdivisions



New Subdivisions & Development



New Subdivisions & Development, Cont.

Current Code Requirements

Measured Water Table Elevations for Development Design

Discharge Rates Restricted to 25yr/24hr Pre/Post Rates

No Increased Staging for Development Projects Within Flood Zones

Preserve Historic Drainage

Existing Conditions Based on Surveyed Elevations

Possible Code Changes

Require Groundwater Modeling Systemwide Model Integration for Water Elevations and Impact Assessment

Updated Required Design Storms; Adopt NOAA Rainfall Intensities

Performance Based Modeling to Account for Rate and Volume Capacity

Utilize New Technologies (ie: LiDAR) to supplement Surveyed Elevations

Require Additional Dedication and Improvements to Historic Systems

Physical Challenges

Increased Water Table, Elevations and Rainfall Intensities

Inadequate Downstream Rate / Volume Capacity

Inadequate Historic & Natural Systems

Unforeseen Impacts Identified During Construction

Challenges:

Increased Development Costs
SB 180

Land Acquisition/Property Rights

Modeling & Staffing Costs
City Annexations

**ENGINEERING A
SOLUTION –

BUILDING A
BETTER FUTURE**

Challenges:

- SB180
- Decreased Development Potential
- Increased Capital Improvement and Development Costs
- Increased Land Acquisition Costs
- Tailwater restrictions
- Upstream Downstream Impacts for Retrofits

| Current County Code Sec. 62-3756, Exh A, Article 4.1 Design Storm | | |
|--|-----------|-------|
| Street Pipe Systems | 10yr/24hr | 7.9" |
| Roadside Swales | 10yr/24hr | 7.9" |
| Canals, Outfall Ditches, & Ponds | 25yr/24hr | 9.0" |
| Ponds (w/ no Legal Positive Outfall) | 25yr/96hr | 12.5" |

| Storm Requirements | Increased Storm Requirements * | Cost Increase ** (New Construction) |
|--------------------|--------------------------------|--|
| 10yr/24hr | 25yr/24hr | 2x |
| | 100yr/24hr | 3x |
| | 500yr/24hr | 5x |

* Rainfall Distribution based on the NOAA Atlas 14 Precipitation-Frequency Atlas of the United States ** Flow rates based on USGS regression equations for ungagged watersheds in Florida, and 2025 FDOT Historical costs

Property Owner Responsibility – Code Enforcement



Property Owners fill historical drainage or wetlands or improperly follow permit:

- Exacerbates their own and/or neighbor drainage issues
- Results in extensive code enforcement and expensive restoration

Property Owner Responsibility – Code Enforcement

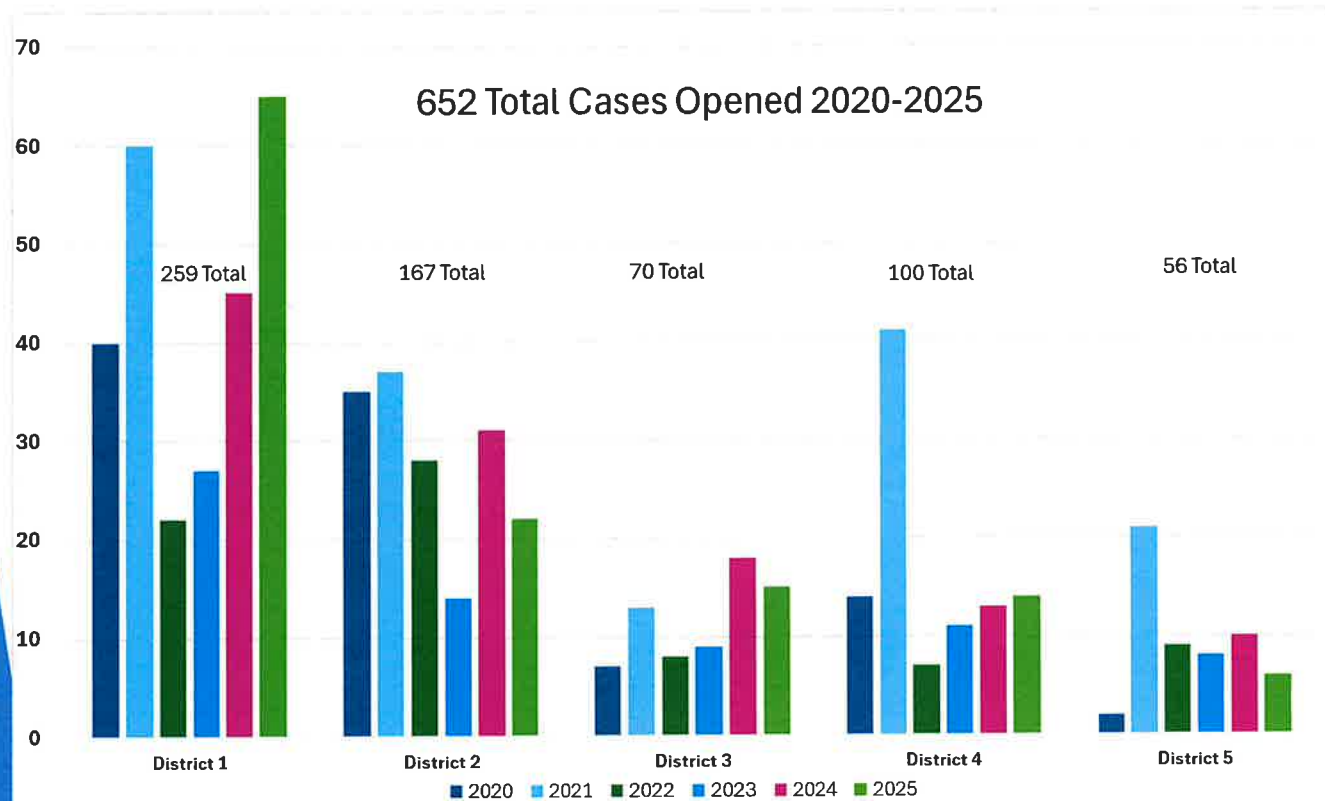


Photo Credits: IFAS

Maintenance Responsibilities

CITY
LIMITS

FDOT

PRIVATE
PROPERTY

LEAVING
COUNTY

County Drainage Maintenance

Public Works Department

- PW Owned Ponds
- Public Swales, Ditches & Canals
- Culverts & Structures
- Public Bridges
- PICA, Hall & Deer Run Pumps

Natural Resources Department

- NRM Owned Treatment Ponds
- Nutrient Removal BMP's
- Baffle Boxes
- Street Sweeping
- Stormwater Utility Inspections
- Illicit Discharge Investigations

Other Public Maintenance Entities

- Cities
- FDOT
- SJRWMD
- MTWCD
- NASA

} Similar Systems & Responsibilities

Private Drainage Maintenance Responsibilities

- Subdivision Treatment Ponds
- Rear and Side Lot Drainage
(Not conveying road drainage, Per BC Code Sec 86-71)
- Driveway Culverts and Piped in Frontage
(When not part of a Curb & Gutter Master system,
Per BC Code Sec 86-69 and 86-70)
- Private Drive Bridges
- Private Lot Grading
- Historic Drainage
(Not in a publicly dedicated/prescriptive easement)
- Agricultural Drainage Systems
- Artesian Wells



Status Quo Maintenance Funding = Reduced Level of Service



2 Additional Countywide Drainage Crews

Fiscal Impact:
\$2.1M (Capital)
\$930K (Reoccurring)

LOS Impact:
The County has 421 Total Ditch Miles and 527 Total Swale Miles.

This will increase cycle frequency of ditch cleaning from:

2-3 years (Primary)
3-4 years (Secondary)
4-6 years (Tertiary)

To

1-2 years (Primary)
2-3 years (Secondary)
4-6 years (Tertiary)



Double R&B Drainage and Support Related Staff

Fiscal Impact:
\$10M (Capital Purchase)
\$11M (Reoccurring)

LOS Impact: Additional staff significantly reduce drainage cycles to:

1 years (Primary)
2 years (Secondary)
3 years (Tertiary)

Allows for additional staff for maintenance related culvert replacements.

Provide increased LOS for storm emergency response.



4 Additional Vac / Camera Truck Crews

Fiscal Impact:
\$2.7M (Capital)
\$600K (Reoccurring)

LOS Impact:
Helps address unfunded state mandates to conduct proactive drainage inspections and cleaning of the County's 20K+ culverts and pipes.

Establishes an ~7 year inspection and cleaning cycle rather than addressing reactively.

Provide increased LOS for storm emergency response.



Increase New and Replacement Equipment Funding

Fiscal Impact:
\$2M (Reoccurring Capital)

LOS Impact:
Currently equipment replacements are budgeted at about 13% of each MSTU. This totals at approx. \$1M for all new or replacement equipment.

Current total backlog exceeds \$15M with \$10M being drainage related.

Equipment repair costs have increased 30% in the last 5 years.



1 Additional Engineer per \$10M in Projects

Fiscal Impact:
\$170K (Reoccurring)

LOS Impact:
Needed to manage projects related to \$½ Billion in unfunded drainage related CIP projects identified.



5 Additional Field Inspectors

Fiscal Impact:
\$300K (Capital)
\$550K (Reoccurring)

LOS Impact:
Allows for proactive inspection of private driveway culverts and maintenance enforcement.

Funding - Stormwater (SW) Utility/Natural Resources

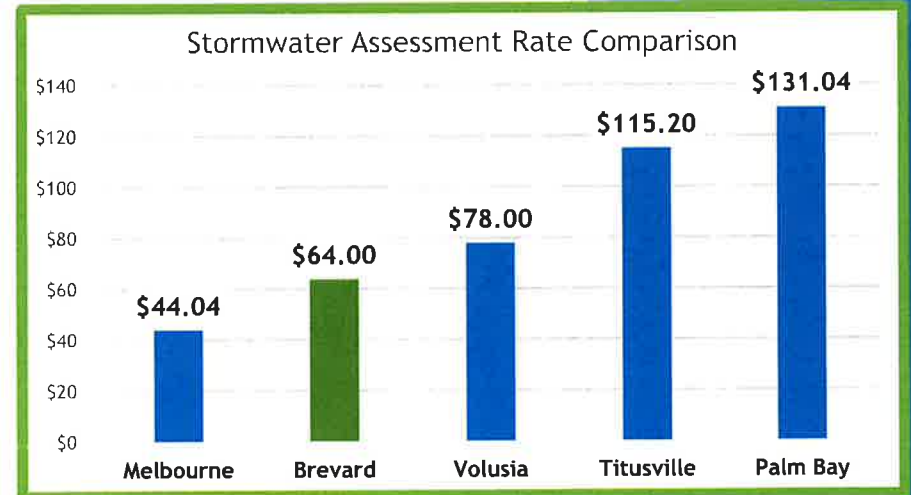
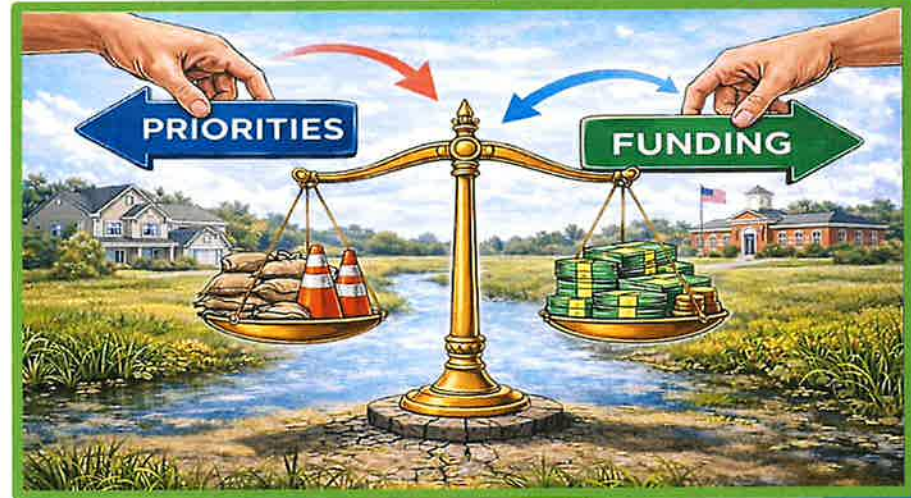
The SW Utility Est. 1990 D3 & D5; 1991 D1, D2, & D4

Board Can Direct Staff to Prepare Changes to Current Rate & Use

- ▶ SW Assessment Fee 2014 - \$64/Equivalent Residential Unit (ERU) effective FY16/17
- ▶ No CPI or increase
- ▶ Allocation 70% Water Quality/30% Flood Control

Comparison & Process

- ▶ Current Rate would be \$85.80 with CPI
- ▶ County Rate is 40% below average state rate of \$89.60/ERU
- ▶ 6-12 months & Costs \$100k+ mailing
- ▶ Potential Revenue - \$2.7M recurring if raised to average rate
- ▶ Need Legislative Intent by February for implementation next year



Revenue Generating Options

| REVENUE TYPE | REVENUE AVAILABLE IF LEVY WAS ESTABLISHED | COMMENTS/ BOND STATUS |
|--|---|---|
| Charter County and Regional Transportation System (Discretionary Sales) Surtax* <i>-This may be levied at a rate of up to 1%</i> | \$25.1M - \$100M (County Share) | Simple majority of the County Commission required for a referendum to be held at a general election. |
| Local Government Infrastructure (Discretionary Sales) Surtax* <i>-This may be levied at a rate of .5% or 1%</i> <i>-Up to 1% can be collected, but only 0.50% is available to collect as Natural Resources is already collecting 0.50% for SOIRL until it sunsets in on December 31, 2026</i> | \$37.1M (County Share) | Simple majority of the County Commission required for a referendum to be held at a general election. |
| Public Services Tax <i>-No requirement to share revenues with Cities (unincorporated areas only).</i> | \$3.3M - \$33.4M | Simple majority of the County Commission required for a referendum to be held at a general election. Imposed by County Charter. |
| 9th Cent Fuel Tax (Unleaded -Motor Fuel) <i>-This may be levied at 1 Cent on unleaded fuel.</i> <i>-No requirement to share revenues with Cities, however, the Board may do so per Interlocal Agreement.</i> | \$2.7M | Supermajority of the County Commission vote required for approval or by referendum to be held at a general election. |
| Local Option Gas Tax 1-5 Cent (LOGT) (Unleaded -Motor Fuel) <i>-This may be levied at 5 Cents on unleaded fuel.</i> <i>-Requires an Interlocal Agreement</i> | \$6.4M (County Share) | Supermajority of the County Commission vote required for approval or by referendum to be held at a general election. |

0.11888888

Potential Revenue: \$179.6M (*Need Legislative Intent by February)



Questions?

Robb C. Spratt
PHOTOGRAPHY

Public Works Needs - No Funding Limitations – Staff and Equipment

| Recommendation | Personnel | Equipment | Fiscal Impact |
|--|---|---|---|
| Double R&B Drainage Field Staff | 116 Positions (Consisting of Field Staff and associated mechanics, data control specialists, and supervisors) | Equipment & Trucks to Support | \$1.0M (Capital Purchase) \$1.1M (Reoccurring) |
| Additional 2 Countywide Drainage Crews for 5 Total | 9 Positions (4/Team) | 2 Gradalls & 2 Pickups (1 EA/Team); 4 Dump Trucks (2 EA/Team) | \$2.1M (Capital Purchase) \$930K (Reoccurring) |
| Additional 4 Vac Truck Crews for 5 Total | 8 Positions (2/Team) | 4 Vac Trucks (1 EA/Team); 2 Camera Truck | \$2.7M (Capital Purchase) \$600K (Reoccurring) |
| Add 5 Private Drainage and Failed Culvert Inspectors | 5 Positions | 5 Crossovers, 5 Computers | \$300K (Capital Purchase) \$550K (Reoccurring) |
| Add 2 Long Booms for 5 Total | | 2 Long Booms | \$700K (Capital Purchase) |
| Add 1 Kaiser for 6 Total and 4 additional Mulching Heads for 9 total | | 1 Kaiser, 4 Mulching Heads | \$700K (Capital Purchase) |
| Add 5 A-booms | | 5 A-booms | \$1.4M ((Capital Purchase) |
| Add 5 Gradalls | | 5 Gradalls | \$3M (Capital Purchase) |
| Add 7 Dump Trucks | | 7 Dump Trucks | \$1.5M (Capital Purchase) |
| Add 2 8" Pumps and 2 Light Plants | | 2 8" Pumps & 2 Light Plants | \$250K (Capital Purchase) |
| Additional Dedicated Funding for Replacements of Failing Culverts | | | \$2M (Reoccurring) |
| Increase paygrades of current PW GIS Techs (Total of 3. 2 vacant) | | | \$62K (Reoccurring) |
| Add Drainage Superintendent and Project Supervisor | 2 Positions | 2 Crossover, 2 Computers | \$130K (Capital Purchase) \$210K (Reoccurring) |
| Add 2 Project Supervisors | 2 Positions | 2 Crossover, 2 Computers | \$130K (Capital Purchase) \$200K (Reoccurring) |
| Additional Engineers | 1 per every 15 projects or \$10M Added | | \$170K / EA (Reoccurring) |
| Add Contract Coordinator | 1 Position | | \$92K (Reoccurring) |
| Add Accountant | 2 Position | | \$78K (Reoccurring) |
| Add Telemetry Countywide and Remote/Automation for Pumping and Wier Gate Controls Countywide | | | \$3.5M (Capital Purchase) \$150K (Reoccurring) |

**All Salaries include direct compensation and benefits budgeted by the Department*