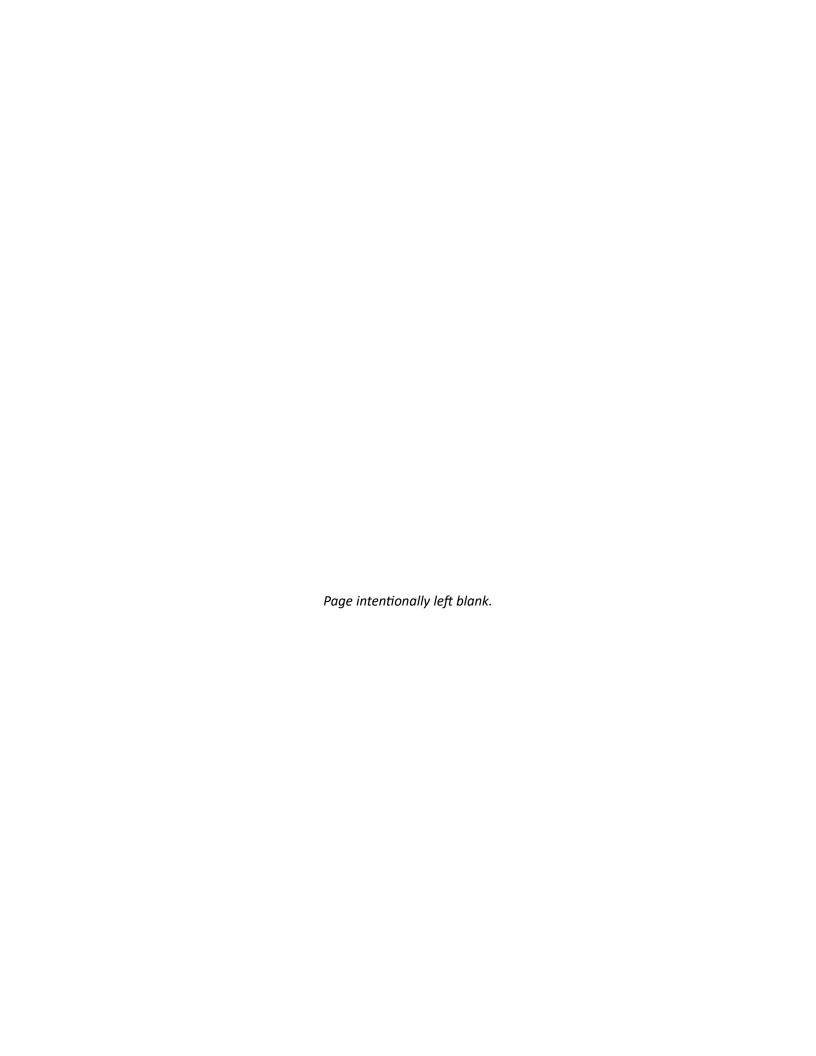
# 2024 Consolidated Annual Report on Flood Resiliency

## Central and Southern Florida Flood Resiliency Study

Sea Level Rise and Flood Resiliency Plan





### Table of Contents

Introduction	2
SFWMD Sea Level Rise and Flood Resiliency Plan	3
USACE/SFWMD C&SF Flood Resiliency Study	8

#### Introduction

The South Florida Water Management District (SFWMD or District) manages the Central and Southern Florida Flood Control Project (C&SF Project) in the southern half of Florida, covering flood control from Kissimmee to Miami-Dade County and serving a population of over nine million residents. The C&SF Project consists of over 2,100 miles of canals & levees, 918 water control structures, and 89 pump stations, much of which is over 60 years old. The District routinely evaluates the status of this infrastructure and advances projects necessary to continue its critical function to sustain communities, in anticipation of future climate conditions.

The C&SF Project was designed to provide flood protection for 7 to 12 inches of rainfall over a 24-hour period, representing a 1-in-25-year storm event. This means that the risk of flooding in the area served by the C&SF system should be less than 4% each year. With land development, sea level rise, and changing rainfall conditions, system performance has decreased to a point where the risk of flooding in the most vulnerable portions of the system is more than 20% per year. Significant investments in Central & Southern Florida's aging water management infrastructure are necessary to address the risk of more frequent and significant flooding events.

Florida Statute 373.1501 (10) (a) instructed the District to submit a consolidated annual report regarding the status of the United States Army Corps of Engineers and the District's Southern Florida Flood Resiliency Study to the Office of Economic and Demographic Research, the Florida Department of Environmental Protection, the Governor, the President of the Senate, and the Speaker of the House of Representatives. The report must include:

- 1. A summary of the findings in the district's annual sea level rise and flood resiliency plan.
- 2. A list of structures that are expected to fall below the expected service level in the next 5 years.
- 3. Initial recommendations for the refurbishment or replacement of the structures identified in subparagraph 2., including:
  - a. Future cost estimates and timelines for the refurbishment or replacement of the most vulnerable structures.
  - b. An estimate of project costs and current funds available to implement the recommendations for each vulnerable structure based on a 10-year horizon.
- 4. A summary of the state and federal funds expended toward the implementation of the United States Army Corps of Engineers Section 216 Central and Southern Florida Project Infrastructure Resiliency Study and other directly related flood control infrastructure resiliency projects of the district through June 30 of each year.

This report addresses the information detailed in the subparagraphs above, and the summary of funds expended through June 30, 2023, pursuant to Section 373.1501, Florida Statutes. For additional information about the District Resiliency efforts, please visit <a href="https://example.com/septimency/septimenc

#### SFWMD Sea Level Rise and Flood Resiliency Plan

The SFWMD Sea Level Rise and Flood Resiliency Plan, updated annually, is the District's initiative to compile a comprehensive list of priority resiliency projects to reduce the risks of flooding, sea level rise, and other climate impacts on communities and ecosystems in South Florida. This goal will be achieved by updating and upgrading aging water management infrastructure throughout the C&SF Project.

The priority resiliency projects are determined based on vulnerability assessments that have been ongoing for the past decade through the Flood Protection Level of Service (FPLOS) Program's comprehensive technical analyses and post-storm evaluations. These assessments utilize cutting edge hydrologic models to evaluate flood vulnerabilities under current and future conditions, consistent with the requirements of the Resilient Florida program.

The list of priority resiliency implementation projects (Table 1) includes recommendations for enhancing the structures that serve areas projected to have increased flooding risk and fall below the expected level of service in the next five years. Technically, these structures serve drainage basins that currently have a higher than 4% chance of flood risk every year. The list includes respective cost estimates and timelines for implementation and a summary of the state and federal funds expended toward the implementation of the related flood control infrastructure resiliency projects by the District through June 30, 2023. Cost assumptions and detailed information on project components are described in the SFWMD Sea Level and Flood Resiliency Plan, which is available at <a href="https://www.seymons.new.org/seymons.new.gov/seymons.new.org/seymons.new.o

With respect to funds available to implement the recommendations for each vulnerable structure based on a 10-year horizon, the District is investing around \$154 million<sup>1</sup> in FY25 of ad valorem revenue, State and Federal Funds through the following agencies and grant programs. Similar levels of funding will be required in future years to fund the projected Resiliency cashflows (see Appendix A – SFWMD Critical Flood Control Resiliency Infrastructure Project 10-Year Projected Cashflows).

Agency	Funding Program					
Florida Department of Environmental Protection	Resilient Florida Program					
United States Army Corps of Engineers	C&SF Flood Resiliency Study (future appropriation)					
Florida Division of Emergency Management / Federal Emergency Management Agency	Building Resiliency Infrastructure & Communities Local Mitigation Strategies Statewide Hazard Mitigation Plan					
Florida Department of Commerce	Community Development Block Grant Program					
Local Governments	Grant Partnerships / Agreements					

It is important to recognize that the list of projects included in the plan is not comprehensive of all the flood resiliency needs within South Florida. The project recommendations are constantly evolving, as modeling assessments, design and post-storm hazard mitigation planning efforts are being advanced, in parallel to the annual resiliency plan update. The goal is to continue to incorporate resiliency strategies that include robust adaptation solutions, supported by integrated technical assessments and detailed analyses, and designed to address current and future conditions. For additional information about the District's resiliency planning efforts, visit <a href="SFWMD.gov/Resiliency">SFWMD.gov/Resiliency</a>.

<sup>&</sup>lt;sup>1</sup> The \$154M total includes continued investments in projects initiated in FY25.

Table 1: List of Resiliency Priority Water Control Structure Projects, including implementation and funding status

Project Name / Water Control Structures	Project Source	Project below the expected service level (25-year/4%)?	Total Cost Estimate	Status of Implementation	Status of Funding	Construction Funds Expended (through June 30 2024) <sup>(2)</sup>
S-28 Coastal Structure and C-8 Basin Resiliency	FPLOS Phase II	Yes	\$298,917,983	Ongoing Design Start: FY24 End: FY25	Design & Construction partially funded by \$50M FEMA BRIC Award and \$28.1M Resilient Florida Grant + Match	\$704,511
S-29 Coastal Structure and C-9 Basin Resiliency	FPLOS Phase II	Yes <sup>(3)</sup>	\$355,280,352	Ongoing Design Start: FY22 End: FY25	Design & Construction partially funded by \$50M FEMA BRIC Award + Match	\$1,902,821
S-27 Coastal Structure and C-7 Basin Resiliency	FPLOS Phase II	Yes	\$126,870,189	Ongoing Design. Start: FY22 End: FY25	Design & Construction partially funded by \$50M FEMA BRIC Award + Match	\$1,828,332
S-26 Coastal Structure Resiliency and C-6 Basin Resiliency	FPLOS Phase I	Yes	\$ 538,932,875	Not Started Not yet funded		\$0
G-57 Coastal Structure Resiliency and Pompano Canal Basin Resiliency	FPLOS Phase I	Yes	\$35,097,222	Feasibility Study / 30% Design Start: FY24 End: FY26	Not yet funded	\$0
S-22 Coastal Structure Resiliency and C-2 Basin Resiliency	FPLOS Phase I	Yes	\$362,092,670	Not Started	Not yet funded	\$0
S-37A Coastal Structure Resiliency and C-14 Basin Resiliency	FPLOS Phase I	Yes	\$ 232,015,833	Feasibility Study / 30% Design Start: FY24 End: FY26  Not yet funded		\$0
G-58 Coastal Structure Resiliency and North Biscayne Bay Basin Resiliency	FPLOS Phase I	Yes	\$25,409,897	Not Started	Not yet funded	\$0
S-123 Coastal Structure Resiliency and C-100 Basin Resiliency	FPLOS Phase I	Yes	\$ 221,091,474	Not Started	Not yet funded	\$0

Project Name / Water Control Structures	Project Source	Project below the expected service level (25-year/4%)?	Total Cost Estimate	Status of Implementation	Status of Funding	Construction Funds Expended (through June 30 2024) <sup>(2)</sup>
S-20F Coastal Structure Resiliency and C-103 and C-103N Basin Resiliency	FPLOS Phase I	Yes	\$319,082,987	Not Started	Not yet funded	\$0
S-21 Coastal Structure Resiliency and C-1 Basin Resiliency	FPLOS Phase I	Yes	\$236,899,200	Not Started	Not yet funded	\$0
S-21A Coastal Structure Resiliency C-102 and C- 102N Basin Resiliency	FPLOS Phase I	Yes	\$175,585,986	Not Started	Not yet funded	\$0
G-93 Coastal Structure Resiliency and C-3 Basin Resiliency	FPLOS Phase I	No	\$136,079,688	Not Started	Not yet funded	\$0
S-25B Coastal Structure Resiliency and C-4 Basin Resiliency	FPLOS Phase I	Yes	\$ 404,229,040	Not Started	Not yet funded	\$0
G-56 Coastal Structure Resiliency and Hillsboro Canal Basin Resiliency	FPLOS Phase I	No <sup>(4)</sup>	\$ 199,024,335	Feasibility Study / 30% Design Start: FY24 End: FY26	Not yet funded	\$0
G-54 Coastal Structure Resiliency and North New River West Basin Resiliency	FPLOS Phase I	No <sup>(4)</sup>	\$ 129,163,377	Feasibility Study / 30% Design Start: FY24 End: FY26	Not yet funded	\$0
S-25 Coastal Structure Resiliency and C-5 Basin Resiliency	FPLOS Phase I	Yes	\$ 42,627,381	Not Started	Not yet funded	\$0
S-33 Coastal Structure Resiliency and C-12 Basin Resiliency	FPLOS Phase I	No <sup>(4)</sup>	\$ 37,932,345	Feasibility Study / 30% Design Start: FY24 End: FY26	Not yet funded	\$0
S-20G Coastal Structure Resiliency and HARB Basin Resiliency	FPLOS Phase I	Yes	\$ 41,826,599	Not Started	Not yet funded	\$0

October 2024 5

Project Name / Water Control Structures	Project Source	Project below the expected service level (25-year/4%)?	Total Cost Estimate	Status of Implementation	Status of Funding	Construction Funds Expended (through June 30 2024) <sup>(2)</sup>
S-13 Coastal Structure Resiliency and C-11 Basin Resiliency	FPLOS Phase I	Yes	\$ 114,623,750	Feasibility Study / 30% Design Start: FY24 End: FY26	Not yet funded	\$0
S-36 Coastal Structure Resiliency and C-13 Basin Resiliency	FPLOS Phase I	Yes	\$ 53,966,152	Feasibility Study / 30% Design Start: FY24 End: FY26	Not yet funded	\$0
S-197 Coastal Structure Resiliency and C-111 South and C-111 Coastal Basin Resiliency	FPLOS Phase I	N/A	\$ 132,332,978	Not Started	Not yet funded	\$0
S-20 Coastal Structure Resiliency and MODEL LAND Basin Resiliency	FPLOS Phase I	Yes	\$ 31,669,728	Not Started	Not yet funded	\$0
L-31 Levee Improvements	FPLOS Phase I	Yes	\$83,185,934 (midpoint)	Not Started (Conceptual Design Recommendations)	Not yet funded (conceptual design only)	\$325,573
Coastal Structures Enhancement & Self- Preservation Mode	FPLOS Phase I /CIP / Post Storm	N/A	\$12,600,000	Ongoing Design and Construction	Fully Funded \$6.3M FDEP Resilient Florida + Match (District Revenue)	\$1,034,403
JW Corbett WMA Hydrologic Restoration and Levee Resiliency	Post Storm / Event Response	N/A	\$11,705,000	Ongoing Construction	Fully Funded \$9.7M FDEP Resilient Florida, \$2M Palm Beach County + Match (District Revenue)	\$76,359
Hardening of S-2, S-3, S- 4, S-7, S-8 Engine Control Panels	CIP	N/A	\$17,000,000	Ongoing Construction	Fully Funded \$8.5M FDEP Resilient Florida + Match (District Revenue)	\$10,460,610
L8 FEB / G-539 Pump Resiliency Upgrades	CIP	N/A	\$11,396,220	Ongoing Design	Partially Funded (District Revenue or State Funds)	\$0

October 2024 6

Project Name / Water Control Structures	Project Source	Project below the expected service level (25-year/4%)?	Total Cost Estimate	Status of Implementation	Status of Funding				
S-169W-MS Structure Improvements	CIP	N/A	\$27,002,166 (Phase 1 & 2)	Construction to start in early FY25	Fully Funded \$6,05M FDEP Resilient Florida + Match (District Revenue)	\$14,077,587			
Homestead Field Station Improvements	CIP	N/A	\$29,753,185 (Phase 1 & Phase 2)	Construction Completed for Phase 1; Ongoing Design-Built Phase 2	Fully Funded \$10.9M FDEP Resilient Florida + Match (District Revenue)	\$17,460,766			
C-29, C-29A, C-29B and C29C Canal Conveyance Improvements	Post Storm / Event Response	N/A	\$ 7,940,540	Not Started	Not yet funded	\$0			
S-59 Structure Enhancement and C-31 Canal Conveyance Improvements	Post Storm / Event Response	N/A	\$37,210,697	Not Started	Not yet funded	\$0			
S-58 Structure Enhancement and Temporary Pump	Post Storm / Event Response	N/A	\$40,487,577	Not Started	Not yet funded	\$0			
S-61 Structure Enhancement and Navigation Lock Erosion Control	Post Storm / Event Response	N/A	\$32,458,416	Not Started	Not yet funded	\$0			
Corbet Levee Water Control Structures	Post Storm / Event Response	N/A	\$17,729,675 Construction ongoing		Not yet funded	\$0			
Total Estimated Costs (High-Level Cost Estimates) \$4,579,221,451									

Notes: (1) The values reported under the Column "Total Cost Estimates" do not include staff time. (2) The values reported under the Column "Funds Expended" includes expenses since the start of July 1, 2019 through June 30, 2024. The total expended funds reported for each individual project includes in kind/staff time and planning funds. An additional \$18,284,484 was spent within the same period for overall projects planning (FPLOS H&H modeling, data analyses, resiliency plan formulation, and other related planning efforts). (3) Expected service level is currently greater than a 25-year return period (less than 4% chance of occurrence), however the respective structure inspection report presents priority level for infrastructure refurbishment. (4) Expected service level is currently greater than a 25-year return period and will be confirmed as part of the ongoing Section 203 C&SF Flood Resiliency Study for Broward Basins.

#### USACE/ SFWMD C&SF Flood Resiliency Study

The C&SF Flood Resiliency Study, being conducted under the authority in Section 216 of the Flood Control Act of 1970, Public Law 91-611 (33 U.S.C. 549a), authorizes the Secretary of the Army, acting through the Chief of Engineers, to review the operation of the C&SF Flood Control Project due to significantly changed physical, economic or environmental conditions and to report to Congress with recommendations on the advisability of modifying the structures or their operation. SFWMD is the Non-Federal Sponsor (NFS) for the Study. The United States Army Corps of Engineers (USACE) Jacksonville District and the SFWMD entered into a Feasibility Cost Share Agreement (FCSA) on September 21, 2022.

The C&SF Flood Resiliency Study is necessary due to significantly altered physical, hydrological, climatological, demographic, and economic conditions within the landscape served by the C&SF system; the increasing flood risks to its communities; saltwater intrusion hazards to the Biscayne Aquifer (the main source of water supply in the region) and the surrounding environment affected by the system; and for maintaining recreation and any other water-related resources needs.

Available vulnerability assessment results completed by both USACE and the District show that the C&SF system has some basins currently experiencing flooding from a 5-year rainfall event, representing a 20% chance of flood risk every year. These studies identify the C&SF structures with significant reduction in capacity based in a pre-established set of flood risk performance measures including peak canal stages, discharge capacity, overland flood extension, depth and duration. According to these results, around 77% of the project area, calculated at basin level, currently is performing under a 10-year rainfall event (10% chance). In a future condition with two feet of sea level rise, more than 82% of the project area will be performing under a 5-year rainfall event (20% chance of occurrence).

The C&SF Flood Resiliency Study will identify technically feasible, environmentally acceptable, and economically justified project recommendations for federal participation, in collaboration with the project local sponsor – SFWMD. This flood risk management (FRM) study aims to build flood resiliency, now and into the future, and reduce flood risks that affect population, property (e.g. buildings, roads), critical infrastructure (e.g. hospitals, shelters, airports, ports, utilities and other lifelines) and any other systems, in the communities served by the C&SF water management system within the lower southeast coast of Florida in Palm Beach, Broward and Miami-Dade Counties.

The goal of this study is to develop, evaluate and recommend flood risk management measures and adaptation strategies to build flood resiliency in the communities served by the C&SF system, now and in the future, and contribute to national economic development. The study objective is to enhance aging C&SF water control system and salinity control structure's functionality and capacity to enhance flood risk management and improve resiliency caused by inland inundation and changed conditions over a 50-year period of analysis from 2035-2085.

A feasibility level planning analysis will be conducted focused on increasing the resilience and function of vulnerable coastal structures and the conveyance of the primary canals, culminating in a final Integrated Report, which assesses potential impacts (both adverse and beneficial) in accordance with the National Environmental Policy Act (NEPA). The results of the study will allow the immediate authorization of subsequent design and construction phases. The Integrated Report will require authorization by United States Congress before proceeding with design and construction.

In the Summer 2024, the study completed the Future Without Scenarios (modeling runs) with the identification of projects and modeling assumptions for future condition simulations and selection of performance measures under the Comprehensive Benefit framework and using the four Principles and Guidelines Accounts (National Economic Development, Environmental Quality, Regional Economic Development, and Other Social Effects) to support the determination of alternatives benefits and the selection of at Tentative Selected Plan.

In addition, SFWMD and USACE, with the support from FDEP, Broward County, Miami Dade County, and other project partners are working on a overall integrated strategy to pursue parallel efforts for each of the four original C&SF Flood Resiliency Study planning reaches. This integrated strategy will allow the partners to advance these urgent feasibility assessments at a faster pace, and maintain consistency in scenario formulation, study assumptions, and regional planning standards.

#### Reach A: Broward and Hillsboro Basins

- Section 203 Study by SFWMD by WRDA2026 (with funding support from FDEP/Broward County)
- G-57, S-37A, S-36, S-33, S-13 and G-54, G-56

#### Reach B: Little River and Nearby Basins

- FEMA BRIC Awards to SFWMD (through FDEM)
   FDEP Resilient Florida Award to SFWMD (with funding support from Miami Dade County),
- S-29, S-28 and S-27 (G-58 to come next)

#### Reach C: Miami River and Nearby Basins

- C&SF Flood Resiliency Study (Section 216) by WRDA2028
- S-26, S-25B, G-93, and S-22 (S-25 to come next)

#### Reach D: South Miami Basins

- Future Authorization via new Section 216 Study or Comprehensive Study
- S-123, S-21, S-21A, S-20G, S-20F, S-20 and S-197

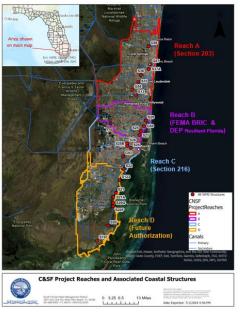


Figure 1: C&SF Flood Resiliency Studies – Overall Strategy

In Reach A, SFWMD will be advancing a feasibility assessment and initial engineering designs on C&SF coastal water control structures in portions of Broward County, Florida, respective to the Reach A of the C&SF Flood Resiliency Study. SFWMD will be utilizing Section 203 of the Water Resources Development Act (WRDA) of 1986, as amended, to advance the flood risk management study with support from FDEP and Broward County, and technical assistance from USACE aiming for inclusion in the Water Resource Development Act (WRDA) 2026.

For Reach B, inclusive of C-7 (Little River), C-8 and C-9 (Snake Creek) Basins, SFWMD is working with FDEP, FDEM, FEMA, and Miami-Dade County, to advance the implementation of awarded grants under the Building Resilient Infrastructure and Communities Program and Resilient Florida Program. As the design for these projects are being advanced and construction is estimated to start early in FY26, USACE will provide review as part of their 408 permitting process and technical assistance.

In Reach C, SFWMD and USACE will continue to partner on the ongoing C&SF Flood Resiliency Study (Section 216) study, which will focus on advancing the feasibility and engineering studies for four coastal structures within Reach C, in Miami Dade County, aiming for inclusion in WRDA28.

Finally, work in Reach D will move to a future effort, potentially the multipurpose Comprehensive Central and Southern Florida Study authorized in WRDA 2022.

For additional information about the C&SF Flood Resiliency Study, please visit <a href="www.sfwmd.gov/C&SF">www.sfwmd.gov/C&SF</a> and read <a href="FAQs">FAQs</a> about how the SFWMD Sea Level Rise and Flood Resiliency Plan is integrated to the C&SF Flood Resiliency Study and supported by the Flood Protection Level of Service Program.

#### Appendix A. South Florida Water Management District - Critical Flood Control Resiliency Infrastructure Project 10-Year Projected Cashflows

Project Type	Project Name	FY2	024-25 FY	2025-26	FY20	026-27	FY2027-28	FY2028-29	FY2029	-30	FY2030-31	FY2031-32	FY2032-33	FY2033-34	FY2034-35
Resiliency	Additional Coastal Structures Real Estate (Land Acquisitions, etc.)	\$	13,000,000 \$	12,500,000	\$	12,500,000	\$ 12,500,00	\$ 12,500,000	\$ 12,5	600,000	\$ 12,500,000	\$ 12,500,000	\$ 12,500,000	\$ 12,500,000	\$ 12,500,00
	BODR FPLOS Phase 2 Recommendations (Additional Basinwide Projects beyond USACE Study Authorizations) + RES	u \$	3,400,000 \$	3,400,000	\$	3,400,000	\$ 3,400,00	3,400,000	\$ 3,4	100,000	\$ -	\$ -	\$ -	\$ -	\$
	C-29, C-29A, C-29B and C-29C Canal Conveyance Improvement	\$	- \$	-	\$	750,000	\$ 3,146,84	7 \$ 3,146,847	\$ 3,1	46,847	\$ -	\$ -	\$ -	\$ -	\$
	C-9 Canal Widening & Enhancements (Nature-Based Features)	\$	7,262,500 \$	12,625,000	\$	6,317,500	\$	- \$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$
	G-54 Refurbishment & Forward Pump (50%)	\$	450,000 \$	200,000	\$	100,000	\$ 100,00	3,165,412	\$ 30,7	84,690	\$ 30,784,690	\$ 30,784,690	\$ -	\$ -	\$
	G-56 Refurbishment & Forward Pump (50%)	\$	450,000 \$	200,000	\$	100,000	\$ 100,00	\$ 1,520,254	\$ 12,5	50,620	\$ 12,550,620	\$ 12,550,620	\$ -	\$ -	\$
	G-57 Spillway Coastal Structure (50%)	\$	450,000 \$	200,000	\$	100,000	\$ 3,937,34	4 \$ 4,253,321	\$ 4,2	53,321	\$ 4,253,321	\$ -	\$ -	\$ -	\$
	G-58 Spillway Coastal Structure	\$	- \$	-	\$	-	\$	- \$ -	\$ 1,7	97,056	\$ 2,888,967	\$ 2,888,967	\$ 2,888,967	\$ -	\$
	G-93 Refurbishment & Forward Pump	\$	- \$	-	\$	-	\$	- \$ -	\$	-	\$ 1,458,240	\$ 14,181,873	\$ 14,181,873	\$ 14,181,873	\$
	Homestead FS	\$	15,085,000 \$	-	\$	-	\$	- \$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$
	L-8 Corbett Levee Control Structures	\$	300,000 \$	1,500,000	\$	1,500,000	\$ 1,000,00	\$ 500,000	\$	-	\$ -	\$ -	\$ -	\$ -	\$
	S-123 Refurbishment & Modification for Future LOS	\$	- \$	-	\$		\$	- \$ -	\$	-	\$ 5,123,199	\$ 15,785,372	\$ 15,785,372	\$ 15,785,372	\$
	S-13 Refurbishment & Forward Pump (50%)	\$	450,000 \$	200,000	\$	2,007,989	\$ 19,528,35	9 \$ 19,528,359	\$ 19,5	28,359	\$ -	\$ -	\$ -	\$ -	\$
	S-169W Trash Rake & Manatee Barrier	\$	9,742,438 \$	723,339	\$		\$	- \$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$
	S-197 Refurbishment & Forward Pump	\$	- \$	-	\$		\$	- \$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$ 2,462,02
	S-2, S-3, S-4, S-7, S-8 Engine Control Panel	\$	1.701.904 \$	1,209,514	\$	-	\$	- \$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$
	S-20 Refurbishment & Forward Pump	\$	- \$	-	\$		\$	- \$ -	\$	-	\$ -	\$ -	\$ 761,977	\$ 7,410,477	\$ 7,410,47
	S-20A Removal from L-31E Levee and S-24 Removal from L-31N	\$	- \$	-	\$	-	\$	- \$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$ 150.00
	S-20F Refurbishment & Modification for Future LOS	\$	- \$	-	\$		\$	- \$ -	\$	-	\$ -	\$ -	\$ 4.915.280	\$ 13,764,071	\$ 13,764,07
	S-20G Refurbishment & Forward Pump	\$	- \$	-	\$	-	\$	- \$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$ 1,154,11
	S-21 Refurbishment & Forward Pump	\$	- \$	-	\$	-	\$	- \$ -	\$	-	\$ -	\$ -	\$ 2,650,341	\$ 25,775,450	\$ 25,775,45
	S-21A Refurbishment & Modification for Future LOS	\$	- \$	-	\$		\$	- \$ -	\$	-	\$ 4,915,280	\$ 13,764,071	\$ 13,764,071	\$ 13,764,071	\$
	S-22 Refurbishment & Modification for Future LOS	\$	- \$	-	\$	-	\$ 4,915,28	\$ 13,764,071	\$ 13.7	64.071	\$ 13,764,071	\$ -	\$ -	\$ -	\$
	S-25 Refurbishment & Forward Pump	\$	- \$	-	\$		\$	- \$ -	\$	-	\$ 900,900	\$ 8,761,548	\$ 8,761,548	\$ 8,761,548	\$
	S-25B Pump Station & Spillway Refurbishment	\$	- \$	-	\$		\$	- \$ 200,000	\$ 5	00,000	\$ 5,000,000	\$ 2,500,000	\$ -	\$ -	\$
	S-26 Refurbishment & Modification for Future LOS	\$	- \$	-	\$	-	\$ 3,562,63	5 \$ 20.955,476	\$ 20.9	55,476	\$ 20,955,476	\$ 6,000,000	\$ -	\$ -	\$
	S-27 Coastal Structure Refurbishment & Forward Pump	\$	4,701,624 \$	10,000,000	\$	10,000,000	\$ 23,201,65	\$ 6,400,600	\$ 6,6	600,150	\$ -	\$ -	\$ -	\$ -	\$
	S-28 Coastal Structure Refurbishment & Forward Pump	\$	1.030.000 \$	9.005.300	\$	10.000.000	\$ 14,801,20	\$ 16,400,600	\$ 6.2	200,300	\$ -	\$ -	\$ -	\$ -	\$
	S-29 Coastal Structure Refurbishment & Forward Pump	\$	- \$	24,432,436	\$	39,360,000	\$ 39,360,00	9,840,000	\$	-	\$ -	\$ -	\$ -	\$ -	\$
	S-33 Refurbishment & Forward Pump (50%)	\$	450,000 \$	200,000	\$	1.180.817	\$ 11,483,84	3 \$ 11.483.843	\$ 11.4	183,843	\$ -	\$ -	\$ -	\$ -	\$
	S-36 Refurbishment & Forward Pump (50%)	\$	450,000 \$	200,000	\$	1.318.739	\$ 12,825,17	2 \$ 12.825.172	\$ 12.8	325,172	\$ -	\$ -	\$ -	\$ -	\$
	S-37A Refurbishment & Modification for Future LOS (50%)	\$	450,000 \$	200,000	\$	100,000	\$ 100.00	\$ 100,000	\$ 1	00,000	\$ 100,000	\$ 5,854,422	\$ 22.897.538	\$ 22,897,538	\$ 22,897,53
	S-37B Refurbishment & Forward Pump (50%)	\$	450,000 \$	200,000	\$	100,000	\$ 200.00	3 1.520.254	\$ 12.5	50,620	\$ 12,550,620	\$ 12,550,620	\$ -	\$ -	\$
	S-58 Structure Enhancement	\$	- \$	-	\$	2,250,000	\$ 14,912,52	5 \$ 14,912,525		12,525				\$ -	\$
	S-59 Spillway Replacement	\$	1.050.000 \$	1.050.000	\$	, ,	\$ 23,214,00		\$	-					\$
	S-61 Spillway Enhancement and Erosion Control	\$	- \$	,,	\$	., ,	, ,	9 \$ 11.911.139	\$ 11.9						\$
	Self-Preservation Mode/Coastal Structures Enhancement ( Gate Enhancements/Broward and Miami Dade County Sit	te \$	700.000 \$			, ,	\$		\$	-					\$
	SW Platforms & Manatee Panel Replacements - BUC	\$	3.099.256 \$	,	-	1,433,400	*		\$	-					\$
Resiliency Total			.,, ,	, , , , , ,				4 \$168.327.873	-		*	-	-	7	7

October 2024 11