BROWARD AND COMPACT RESILIENCE UPDATE

Broward Climate Change Task Force
August 20, 2021

Environmental Protection and Growth Management Department



OVERVIEW

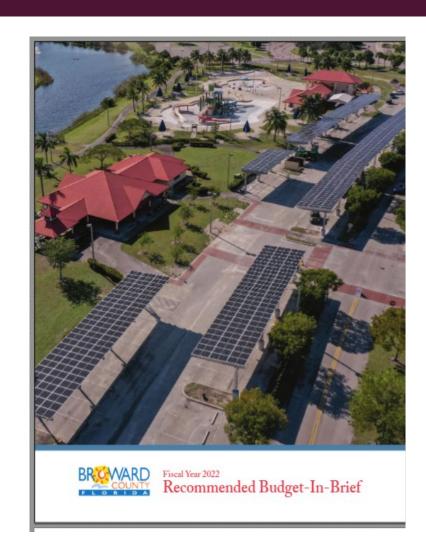
- Resilience Budget Workshop
- C&SF Flood Resiliency Study
- Resilience Roundtable
- Compact 13th Annual Summit



RESILIENCE BUDGET WORKSHOP

BROWARD RESILIENCE BUDGET WORKSHOP - MAY 11, 2021

- Challenges and policy framework
- Resiliency planning
- Shoreline resilience/green infrastructure
- County-wide coordination
- Mitigation action
- Internal initiatives
- Future direction



STAFF RECOMMENDATIONS

- County Agencies with physical assets (WWS, Transportation, Streets and Highways, Parks, Airport, Seaport, and general government) undertake comprehensive assessments of their assets vulnerable to sea level rise and future storm surges, with State funding available.
- Assess and prioritize the most urgent projects identified in the comprehensive assessments.
- Enhance climate resilience strategies for mitigation and adaptation investments as part of the annual capital budget development process, including Surtax projects.

STAFF RECOMMENDATIONS

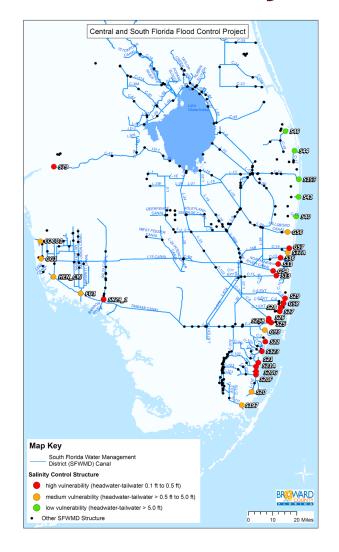
- Develop and present to the BOCC a 2030 Net Zero Plan addressing the entirely of county operations.
- Submit a 2nd round of rooftop and solar canopy photovoltaic projects for installation at existing county facilities.
- Budget for the installation of rooftop photovoltaic systems as part of all County facility reroofing projects, where structural considerations, energy use/production are deemed compatible.

SUBSEQUENTLY

- Advancement of 3 additional solar projects (0.4 MW) for board consideration
- Initial steps in net zero planning effort
- Funds allocated for county asset vulnerability assessment
- Consideration of heat as part of county-wide vulnerability assessment
- Coordination underway with Surtax Team

C & SF FLOOD RESILIENCE STUDY

CENTRAL AND SOUTH FLORIDA (C&SF) FLOOD CONTROL PROJECT



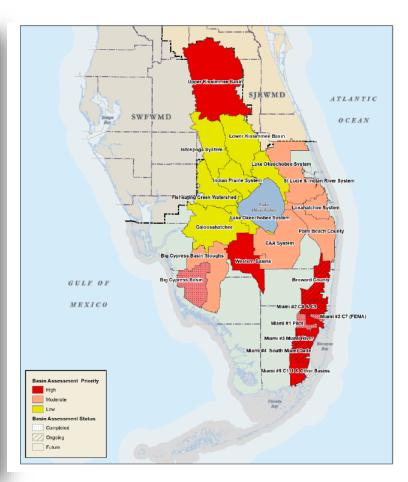




STRUCTURES PROVIDE WATER SUPPLY AND FLOOD PROTECTION



BROWARD COUNTY LAND USE PLAN NATURAL RESOURCE MAP SERIES Ponning Council Eastern Broward County: Priority Planning Areas for Sea Level Rise



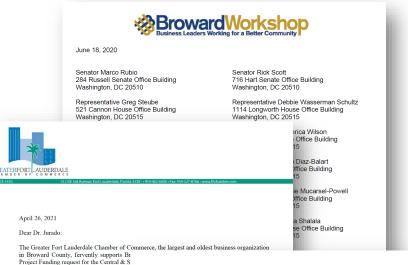
Broward County
Saltwater Intrusion Line

Broward County 3' SLR Scenario

SFWMD FLPOS Study

ADVOCACY FOR C&SF RESILIENCE AND FLOOD RISK STUDY







especially increased rainfall intensity and ris and sea level rise significantly threatens p

Study (restudy).

Dan Fmilblude

Dan Lindblade, CAE

President and CEO

As the lead business organization dealing v

carbon emissions, etc., we recognize the in

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Without a functioning flood control syste broader environment will be at risk. It is es

these external changes to the landscape and

Please relay to our Washington DC delegat

important Broward County FY22 funding r

by Gross Domestic Product.

We, the South Florida Business Council (SFBC), support Broward County's Fiscal Year (FY) 2022 Community Project Funding request for the Central & Southern Florida Flood Control (C&SF) Project Update Study

The SFBC is a partnership among the Chamber of Commerce of the Palm Beaches, the Greater Fort Lauderdale Chamber of Commerce and the Greater Miami Chamber of Commerce. We work together to spotlight critical issues affecting the South Florida Region. Our mission is to assist with South Florida's regional issues and use our resources to create solutions We use the power that comes from speaking with one voice to drive South Florida forward and make it a better place to live, work and enjoy.

Today, the C&SF system is under substantial stress due to changes in the physical environment, especially increased rainfall intensity and rising sea levels. Stormwater severely strains the system and sea level rise significantly threatens project operations. Extreme high tide events already preclude operation of many of the flood control gates in the system.

Without a functioning flood control system, more of south Florida's citizens, economy, and broader environment will be at risk. It is essential that the C&SF Project be reviewed to evaluate these external changes to the landscape and propose solutions to address the challenges.

Please relay to our Washington DC delegation our support for the favorable consideration of this important Broward County FY22 funding request.

Joseph Chase, Chair

RESOLUTION NO. 2021- 0274

A RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS OF PALM BEACH COUNTY, FLORIDA, URGING THE UNITED STATES CONGRESS TO PROVIDE AN ADEQUATE NUMBER OF NEW START

ND STORM DAMAGE HE UNITED STATES E SUFFICIENT FUNDING ES ARMY CORPS OF DNDUCT THE CENTRAL C&SF) FLOOD PROJECT ENT INFRASTRUCTURE (FLOOD RESILIENCY TO SELECT THE STUDY IN AN IMMEDIATAELY

RESOLUTION NO. 2021-

A RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS OF BROWARD COUNTY, FLORIDA, URGING THE UNITED STATES CONGRESS TO PROVIDE AN ADEQUATE NUMBER OF NEW START STUDIES FOR FLOOD AND STORM DAMAGE REDI AND STORM DAMAGE REDU 2022 APPROPRIATIONS PRO

STATES CONGRESS TO FUNDING IN THE FISCAL PROCESS FOR THE UNITE **ENGINEERS TO CONDUCT 1** FLORIDA FLOOD PROJECT INFRASTRUCTURE RESILIEN UNITED STATES ARMY CORP THE CENTRAL AND SOUTHE FLOOD RISK MANAGE RESILIENCY PLAN STUDY AS FISCAL YEAR 2022 WORK

FEDERAL AND STATE LEG FLORIDA WATER MANA PROVIDING FOR SEVERABIL



RESOLUTION NO. R-741-20

Exhibit 1

RESOLUTION URGING THE UNITED STATES CONGRESS TO APPROPRIATE FUNDING FOR THE UNITED STATES ARMY CORPS OF ENGINEERS TO CONDUCT THE CENTRAL AND SOUTHERN FLORIDA PROJECT FLOOD RISK MANAGEMENT INFRASTRUCTURE RESILENCY PLAN STUDY; URGING THE UNITED STATES ARMY CORPS OF ENGINEERS TO CONDUCT THE STUDY IN A MANNER THAT IS COMPLEMENTARY TO THE COMPREHENSIVE EVERGLADES RESTORATION PLAN AND INCORPORATES NATURE-BASED AND NATURAL-INFRASTRUCTURI OPTIONS, SO LONG AS THE SEEPAGE WALL IS PUT IN

WHEREAS, in 1948, the United States Congress authorized the Central and Southern Florida ("C&SF") Project in order to provide flood control, manage water supply, prevent

WHEREAS, the United States Army Corps of Engineers ("Army Corps") has administered the C&SF Project with the help of, among other agencies, the South Florida Water Management District ("SFWMD"); and

saltwater intrusion, and protect fish and wildlife resources; and

WHEREAS, the C&SF Project has resulted in the construction of over 1.000 miles of canals and levees, as well as dozens of water control structures and pump stations, throughout Central and Southern Florida: and

WHEREAS, over the course of decades, the C&SF Project has substantially altered Florida's natural and built environment to allow for development and agriculture and to improve Florida residents' quality of life; and

FOD THE ADMY CHILL

Exciting Progress to Report... Finally!

- May 28 Announcement New Start funded in FY'22 Presidents Budget (\$500k Fed) Investigations,
 Flood Risk Management (FRM), 3 Years and \$3 Mil effort...Target WRDA 2026
- Scope: Focus on the project features which can <u>reduce the most immediate risk to changing conditions</u>,
 in terms of flood vulnerabilities resulting from climate change, sea level rise, and population growth

Timeline:

- ► Target WRDA 2026 30% Design report with recommendations
- ▶ Preliminary Engineering and Design Commence 2027 (2-5 years) 2028-2033*
- Receive "New Start Construction"*
- ► Ground-Breaking 2029 (earliest and aggressive)*-2034

BROWARD RESILIENCE ROUNDTABLE

ANNOUNCED - FRIDAY OCTOBER 1, 2021



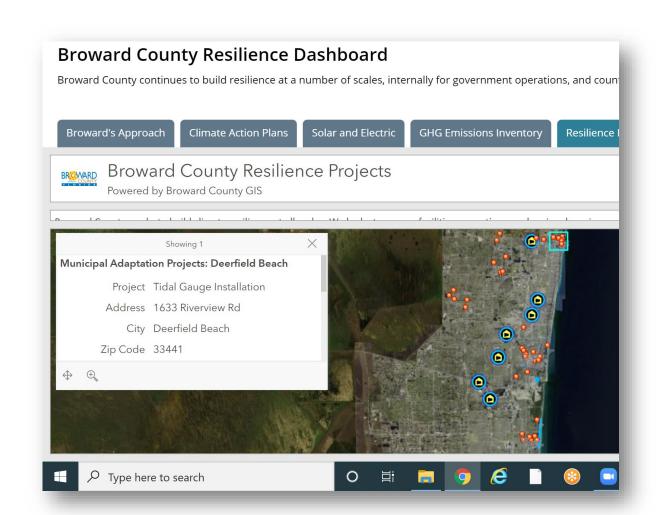
- County
- Municipalities
- Business Leadership
- Tribal Leadership
- Commissioners
- Administrators
- Managers
- CEO's
- Staff



2019 Resilience Roundtable

DRAFT AGENDA

- State of the County
 - Advancements
 - Dashboard
 - Opportunities
- C & SF Update
- IPCC Report and Call to Action
- Economic resilience
- Tribal resilience
- Municipal resilience



13TH ANNUAL COMPACT SUMMIT



REGISTRATION NOW OPEN

REGISTER NOW

EVENT DETAILS

DATE

December 9th - 10th, 2021

LOCATION

Palm Beach County Convention Center

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DON'T MISS OUT!



Register now to take advantage of early-bird pricing.

Join us at the Palm Beach County Convention Center to exchange ideas on expanding the region's ability to respond to climate challenges and build climate resilience.









QUESTIONS?

Dr. Jennifer Jurado

Chief Resilience Officer, Deputy Director

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