

A two-year planning effort  
focused on building community resilience  
to the impacts of climate change in Broward County

# BROWARD COUNTY: A RESILIENCE PLAN IN THE MAKING

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#ResilientBroward

February/March 2023

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**The Resilience Plan Steering Committee held its fifth meeting on February 8, 2023, with progress reports on hydrologic and economic modeling advancements, county asset analysis and coordination with the Blue Ribbon Panel.**

**The consultant team presented significant progress on the project and the timeline for preliminary deliverables.**



## Hydrologic Modeling

The County's hydrologic model has been fully updated and applied in the assessment of two initial flood risk scenarios including a combined analysis of sea level rise in 2070 with a 100-year rainfall event and storm surge, the most severe of the planning scenarios to be evaluated. The Steering Committee was presented with animation of the modeled flood conditions showing the gradual evolution and recession of flood conditions in response to coastal water levels and the constraints of the existing water management system.

Over the next several weeks, stakeholders will be engaged in the evaluation of model results for the future conditions scenarios under conditions of "no action"

(i.e., no adaptation investments). This process will help confirm model performance in areas of heightened flood risk based on knowledge of system performance today. The performance of these base runs will also provide input for the economic modeling of predicted impacts and losses under the "no action" condition.

## Economic Assessments

Details of the economic modeling methodology are still under development, a task being led by McKinsey & Company. It is anticipated that preliminary results in the evaluation economic exposures will be shared at the April 12, 2023, steering committee meeting. This work is benefiting from the expertise and participation of the County's Office of Economic and Small Business Development.

## County Asset Analysis

The third area of activity is the undertaking of a County Asset Analysis that includes evaluation of the flood risk and exposure of county-owned assets, such as parks, libraries, offices, judicial complexes, and other critical infrastructure. In conjunction with agency representatives, the consultant will begin to develop conceptual site-specific adaptation plans for projects already in the design phase and recommended adaptation strategies for additional priority sites. In addition, the beginnings of a capital planning checklist is in progress, intended to support budget and planning decisions by the County and municipalities alike.

## Next Steps:

The consultant team is expected to complete no action hydrologic modeling scenarios and the County asset analysis before the April steering committee meeting, with substantial progress on the design phase projects and capital planning checklist. With completion of the economic modeling methodology, economic modeling results should be 50% complete at this time.

