#ResilientBroward

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

November 2023

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Baseline Economic Modeling

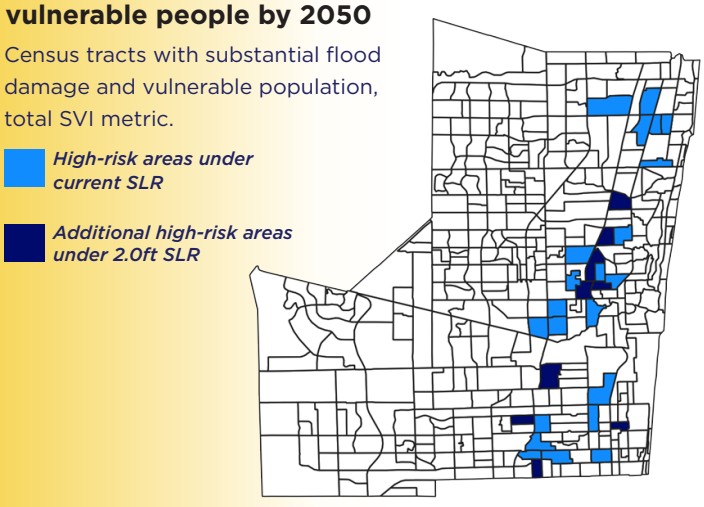
The County's consultant team has completed the "no-action" or "business as usual" evaluation of economic outcomes under various future conditions scenarios. The model approach offers a collective view of isolated and compound flood conditions for two and three foot sea level rise scenarios relative to today, assuming no notable change in overall adaptation investments, economics or demographics.

Initial findings point to potential average annual flood damages to property and contents of $5 billion annually by 2070, and losses in production equal to 0.7% of the Broward economy. In a no-action scenario, increasing flood risk coupled with risk-reflective pricing could drive a doubling in the average flood insurance premium.

These early findings reinforce the importance of early and coordinated adaptation efforts to mitigate major flood impacts and losses across all sectors.

Substantial flood damage could affect 41% more vulnerable people by 2050

Census tracts with substantial flood damage and vulnerable population, total SVI metric.



Interim Results (Baseline/No adaptation actions considered)

Storm floods in downtown Fort Lauderdale, 2023.

Outreach Plan Efforts

An inclusive outreach strategy is being implemented to engage different voices and perspectives as we advance resilience in Broward County. Listening sessions are being scheduled with community partners and representative stakeholder groups to gain insight on how flooding and heat already impact people, property, and work, and what mitigation strategies are most desired across our communities.

Adaptation Kickoff

An initial internal workshop with the consultant team was hosted on August 28th to finalize the first-cut strategies to be evaluated in the first round of adaptation modeling. The strategies were developed based on sub-regional considerations, such as storage opportunities vs. limitations, extent of water conveyance systems, and the presence or absence of infrastructure for active water management. Additional strategies for adaptation include distributed storage, shared infrastructure, operational changes, removal of pervious surfaces, enhanced green infrastructure, updates to development codes and design standards. Initial adaptation model results will be available by the end of the year, with additional stakeholder workshops conducted in January/February 2024 to seek further input and refine the next phase of modeling.

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