USING PROJECTIONS TO INFORM PLANNING AND DESIGN: FUTURE CONDITIONS STANDARDS AND A COMMUNITY RESILIENCE PLAN

COMPACT SLR WEBINAR SERIES
JUNE 25, 2020

BROWARD COUNTY FLORIDA
Considerations
- Land Use
- Drainage
- Resilience Standards
- Finished Floor Elevation
- Infrastructure Citing
Commission adoption directed staff use as basis for adaptation planning
COUNTYWIDE RESILIENCE STANDARDS:
TIDAL FLOOD BARRIERS

- Approved March 31, 2020
- Accounts for:
  - 2 feet sea level rise
  - High tides
  - 25-yr storm surge
- Requires 5 feet NAVD by 2050, allows 4 feet NAVD until 2035
- Requires municipal adoption in 2 years

Hollywood Marina

Before

After
FUTURE CONDITIONS: 100-YEAR FLOOD MAP

2060 condition: 2 feet SLR (GW, Surface Water, High Tide, 13% Rainfall Increase)
FUTURE CONDITIONS: THE NEXT GENERATION

Approved March 10, 2020

2020 Priority Planning Area Update

2015 Map = 6.8 mi²

2020 Map = 17.6 mi²

PPA Workshop:
June 23 at 10 am & July 7 at 1 pm.

https://global.gotomeeting.com/join/698570677
NEXT STEPS: A COUNTYWIDE RESILIENCE PLAN

- Update Groundwater Table Map
- Assess 100-yr Flood Elevation w/ 40” Scenario
- County-wide Risk Assessment and Resilient Infrastructure Plan
  - Basin-level analysis
  - Critical infrastructure and services
  - Mitigation strategies
  - Capital improvements
  - Redevelopment strategies
  - Planning level cost estimates
  - Quantified risk reduction
  - Implementation scenarios

Courtesy of MIT and U Toronto
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