

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

COMPACT SLR WEBINAR SERIES
JUNE 25, 2020



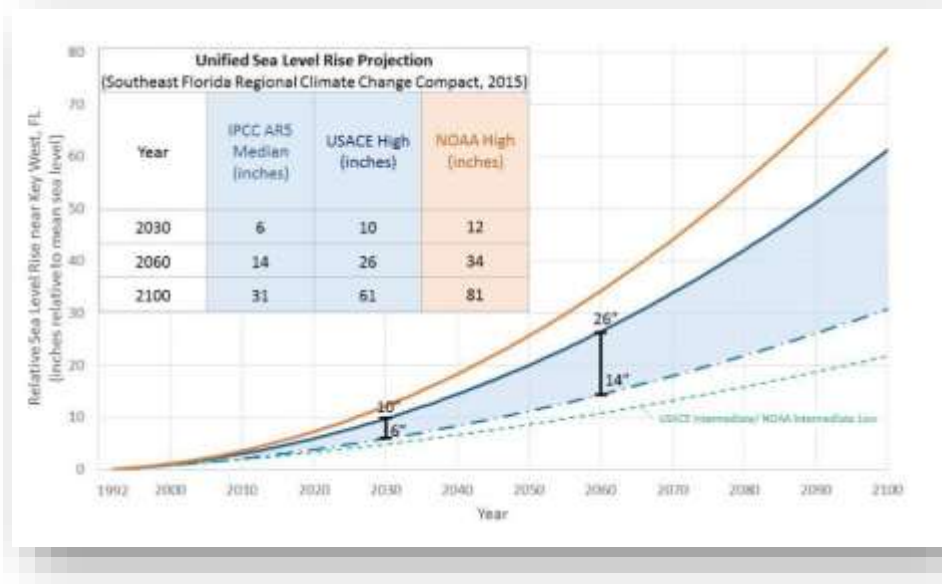
SEA LEVEL RISE: PLANNING AND INVESTMENTS

❑ Considerations

- Land Use
- Drainage
- Resilience Standards
- Finished Floor Elevation
- Infrastructure Citing



FUTURE CONDITIONS PLANNING: SEA LEVEL RISE, LAND USE, AND GROUNDWATER



Priority Planning Area (2012)



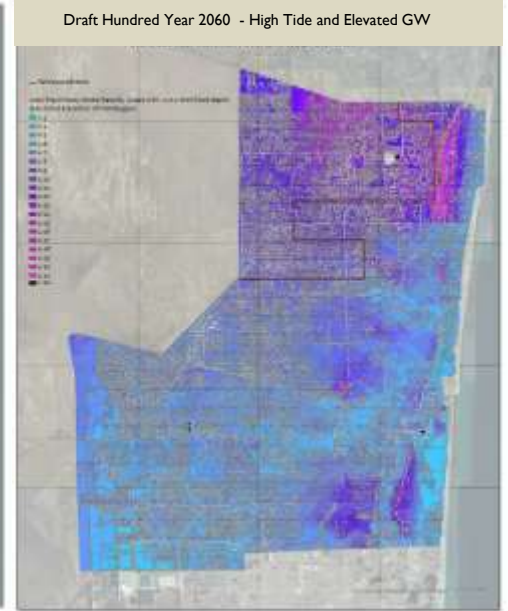
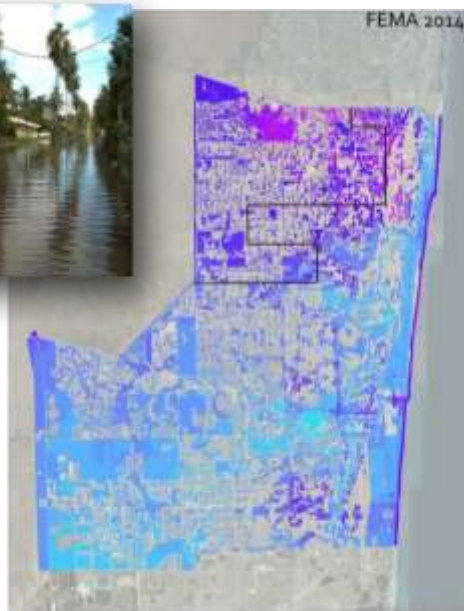
Wet Season GW Elevation (2017)



Commission adoption directed staff use as basis for adaptation planning

FUTURE CONDITIONS: 100-YEAR FLOOD MAP

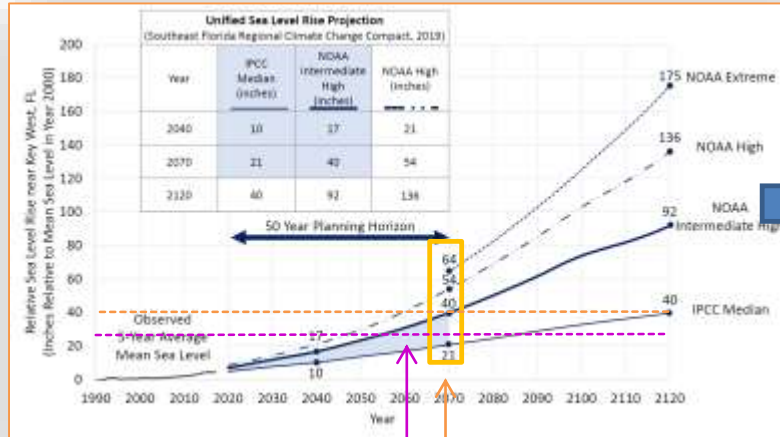
2060 condition: 2 feet SLR (GW, Surface Water, High Tide, 13% Rainfall Increase)



FUTURE CONDITIONS: THE NEXT GENERATION

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

Approved March 10, 2020

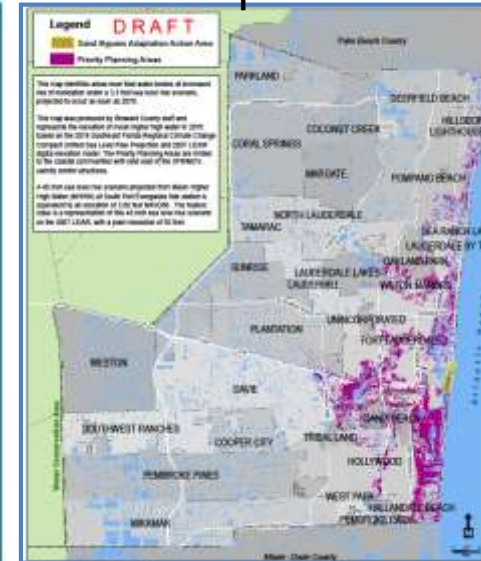
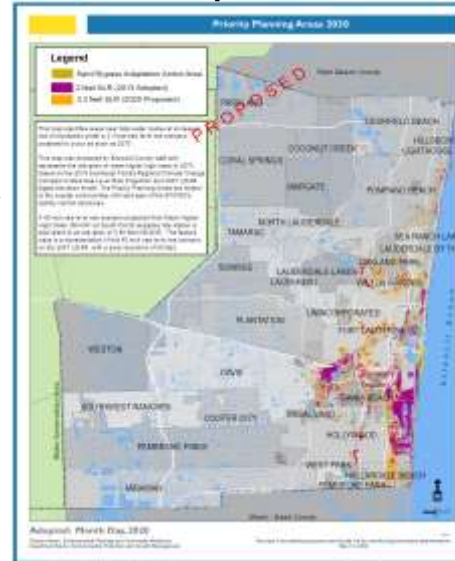


24" Previous Target

40" Current Target

2020 Priority Planning Area Update
2015 Map = 6.8 mi²

2020 Map = 17.6 mi²



<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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