



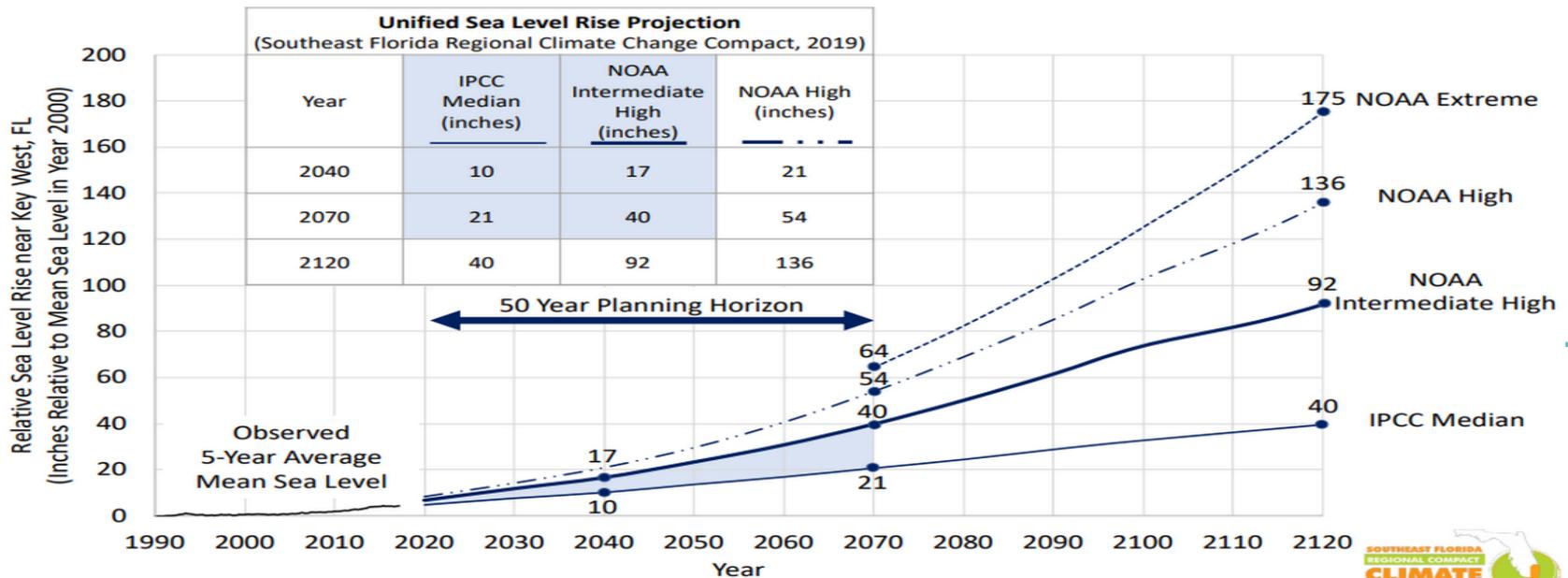
*Life's Just Better Here*

# Conservation, Carbon Reduction and Infrastructure Resilience in Wilton Manors

January 14, 2019

# Have Any Doubts?

In the short term, by 2040, sea level is projected to rise 10 to 17 inches above 2000 mean sea level.



# Key Goal

Create a sustainability ethic within the culture and among the City's external Stakeholders

# What We Must Do

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- Conserve, reuse and recycle
- Reduce carbon emissions through policy and practice
- Improve, preserve and protect municipal infrastructure to increase resilience and recovery from all hazards
- Educate, encourage and incentivize residents and businesses to do the same

# Emerging Methods and Programs

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- IFAS/UF is working on a handbook and creating a municipal certification
- Coral Gables created a dedicated source of funding for slr projects
- Miami Beach is considering elevation of historic buildings
- Several Palm Beach county cities are collaborating on a regional vulnerability assessment
- Boynton Beach is creating a sustainable development toolbox
- Oakland Park issued a “green” bond for their water/wastewater system
- Broward created Plan It Green, a local carbon offset program for events
- Monroe County is evaluating land purchase where flooding mitigation costs are untenable



# What Have We Done?

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- Require Green Infrastructure on New Development
- Adopt Complete Streets Policy
- Adaptation through transit oriented corridors
- Municipal and citywide greenhouse gas inventories completed
- Climate Action Plan completed



# Lots of Little Things

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- Automated meter readers use smart technology to identify water leaks quickly
- LPR parking enforcement eliminates idling
- Purchase of hybrid fleet vehicles where practical
- EV charging stations installed at Mickel Park and City Hall
- Reclaimed water car wash at Pioneer Site
- Hybrid police SUVs
- Native Tree Giveaways held annually
- Low flow toilet rebate program implemented
- Transition to LED streetlights and other exterior lighting
- Expanded bike lanes on all streets
- Added biking and walking trails
- Solar parking meters
- Incentivizing ride sharing



# What We're Doing Right Now

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- Water, Sewer and Stormwater Master Plan
- Flood Plain Management



- Seawall Regulations
- Water Supply Plan



- Incorporate Sea Level Rise projects into city documents



- Paperless Payroll process
- Online permitting

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# WHAT NEEDS TO BE DONE SOON



- Vulnerability Assessment
- Investigate alternative water methods and sources
- Seawall ordinance



- Integrate resiliency into budget process
- Investigate solar and other clean energy options



- Understand mitigation costs vs. inaction costs
- Investigate urban heat mitigation methods that are working



- Investigate insurance rating/risk mitigation

# Possible Collaboration

The proposed project would be a collaboration between the Army Corps of Engineers, the State of Florida, Oakland Park, Fort Lauderdale and Wilton Manors. The proposed structure, located in the city of Fort Lauderdale, would mitigate tidal fluctuation and storm surge, and protect thousands of homes, businesses, seawalls and other bulkheads in all three cities from King tides and storm surge. The structure would also minimize salt water intrusion while allowing for discharge to tide should the situation warrant.

# Thank You

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## Questions?

