Energy & Sustainability Program Updates

Climate Change Task Force

November 25, 2019

Environmental Planning and Community Resilience Division

Urban Green Infrastructure Lab

EARTH ECONOMICS

- Technical Assistance Grant
- Broward's GI Lab held in October
- The focus was on improving regulatory tools across jurisdictions, incentives, and developer engagement and financing.
- Partners included Broward County Highway and Bridge Maintenance, Highway Construction and Engineering, & Broward MPO.
- Cities: Oakland Park, Wilton Manors, Fort Lauderdale, Miramar, and Coral Springs.
- Follow-up support available though March 2020

SSB: Climate Art Event

- Multidisciplinary arts event in which visual artists, poets and performing artists unite to address climate change.
- Delivered in partnership with EPCRD, Broward County Cultural Division and the City of Pembroke Pines.
- Part of an international series called Climate Change Theatre Action in which over 140 collaborators in 23 countries host events to reach an audience of more than 12,000 people.

Credit: downtown photo

SSB: Climate Art Event

85 attendees!

Featured:

- A pop-up exhibition by visual artists Kim Heise and Lucinda Linderman
- A short play from Climate Change Theatre Action - A Letter from the Ocean, performed by Kellianne Jordan
- Readings by poets from University of Miami's Sinking City literary magazine, Clayre Benzadón, Christell Roach and Caitlin Andrews.

Credit: downtown photo

Community Outreach

- Presentation on local climate risks and Broward goals and investments at the "Community Led-Equity and Resilience" event in Sunrise

  Hosted by Southeast Climate & Energy Network (SCEN) and Climate Speakers Network (A Climate Reality Project)

- Presentation to DHL headquarters for Americas in Plantation, FL. Kicking off their GoGreen series.

  The company will begin training all staff on sustainability this year, with a goal of 80% completion by 2025. They are also on track to be carbon neutral by 2050.

Solar Co-op

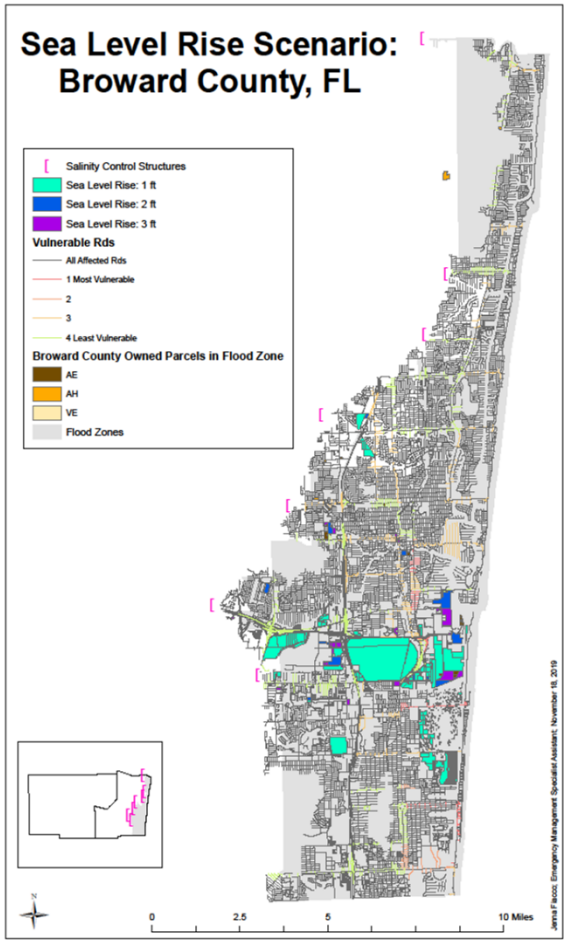
- Broward County launched 3rd solar co-op in March 2019
- Helps residents realize cost savings by bulk-purchasing solar
- Promoted at 5 municipal workshops, at Airport & port TV's, Library eNews, employee paystubs, radio ads on NPR.
- Cutler Bay Solar Solutions, an experienced local solar contractor was selected through a competitive bid process.

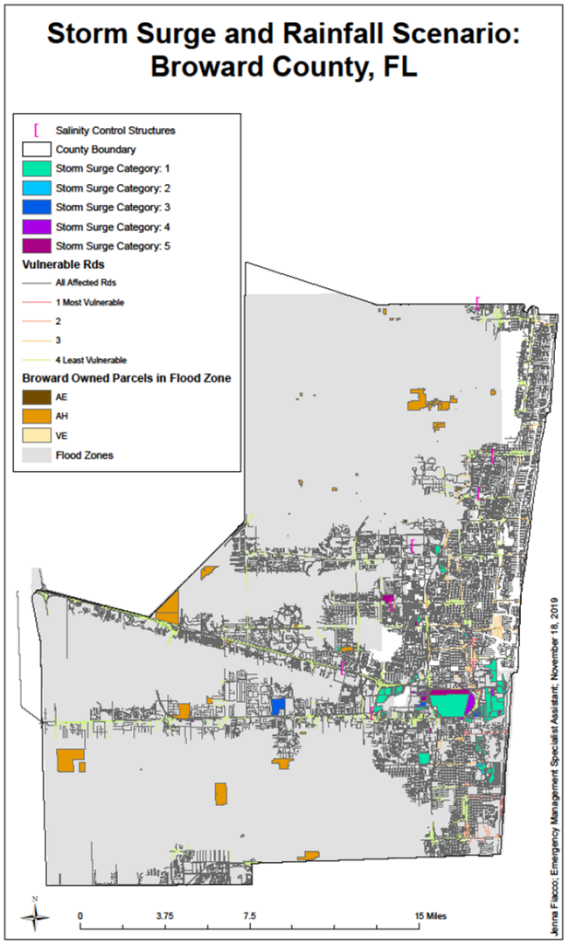
- *To date: 17 installations complete, 15 in process, and 23 signed contracts. Over 50 will be complete by year's end.*
- *The Broward Solar Co-op Program is anticipated to increase solar installations county-wide by 5%.*

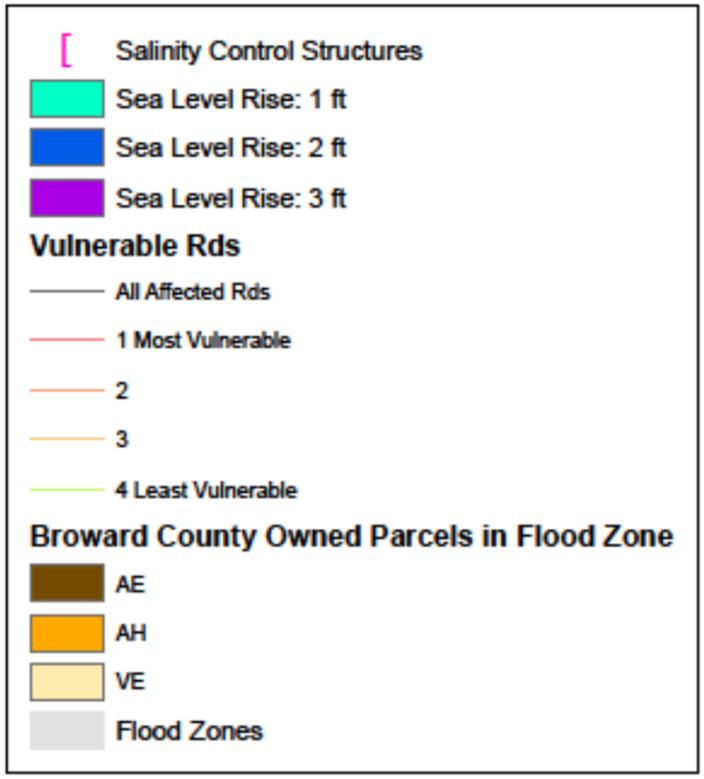
County Electric Vehicles and Infrastructure

- Electric Vehicle Purchasing
  - ✓ 14 Nissan Leafs and Chevy Bolts purchased.
  - ✓ At least 11 more confirmed for FY20
- Charging Infrastructure
  - ✓ 7 level 2 fleet chargers installed at parking facilities throughout the County (4-6 hr. charge time).
  - ✓ 1 DC Fast Charger awaiting installation at Fleet Services 3 (45 min – 1hr charge time)
  - ✓ Fleet Services surveyed County depts. to identify and prioritize County EV charger site hosts
  - ✓ Report on County's EV parking infrastructure capacity due in Dec.
- County legal and EPCRD exploring FPL's workplace charging program and other alternatives
- Response to Volkswagen RFIs submitted by EPCRD, Transit and School District.
- Finalizing scope for a community-wide EV plan and developing an EV charger grant program

Example Asset Vulnerability Analysis







Seawall Policy Update

- Present to WAB for recommendation – Nov. 8
- DEO Review Complete – Nov. 20
- BOCC Public Hearing – Jan 7
- Effective Date – January 2020

- FDOT LIDAR Deliverable and
- Shoreline Elevation Mapping – Spring 2020
- Real Estate Industry Communications – Spring 2020
- Municipal ordinance adoption - Jan 2022

Resilient Shorelines

BROWARD COUNTY FLORIDA

SEAWALL REPLACEMENT ALTERNATIVES THAT ENHANCE FLOOD PROTECTION, HABITAT, AND YOUR PROPERTY VALUE

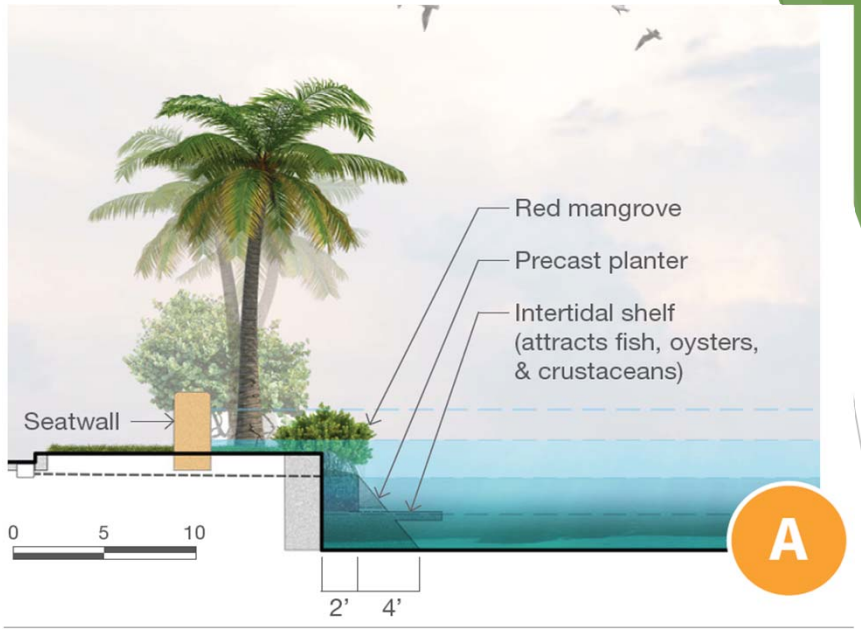
By the year 2060, sea level is expected to increase over 2 feet

Replace wall with resilient living shoreline rather than seawall only

Improve local water quality, fishing and environment

Pick the best option based on space, depth and waves

Enhance an existing seawall, if in good condition

resilience@broward.org

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