Home Ports: Success Stories from Southeast Florida
BASIC DEMOGRAPHICS

- Area: 7m²
- Population: 90,000 residents
- Highly urbanized, densely populated
- Most dense residential urban area in the U.S.
- Tourism destination
ADAPTATION TO ACTION

1. Local Leadership
2. RCAP Alignment
3. Public Infrastructure Upgrades
4. Land Use Regulation and Municipal Code Review
SUSTAINABLE COMMUNITIES

GOAL: Reduce financial and physical losses in our building stock by reshaping where and how we build.

WATER SUPPLY, MANAGEMENT, & INFRASTRUCTURE

GOAL: Advance water management strategies and infrastructure improvements needed to mitigate for adverse impacts of climate change and sea level rise on water supplies, water and wastewater infrastructure, and water management systems.
The electronic control system is situated in a higher level to prevent malfunction in case of big floodings due to hurricanes.

The water is treated before coming back to the sea.

Fusion 2015, http://interactive.fusion.net/pumpit/
INFRASTRUCTURE UPGRADES

Stormwater Pump Station

Elevated Electrical Panel

Upsized Pump

Vortex Water Treatment Structure
INFRASTRUCTURE UPGRADES

520 WEST AVENUE
(ANTHONY’S PIZZA)
INFRASTRUCUTURE UPGRADES

BEFORE

AFTER

Raised Public Road
LAND-USE REGULATIONS

- 4.0 ft. NAVD (residential renovation)
- 5.7 ft. NAVD (public & commercial)
**LAND-USE REGULATIONS**

- 4.0 ft. NAVD (residential renovation only)
- 5.7 ft. NAVD (public, commercial and new residential)
  - Historic exceptions (case by case)
  - BFE + 1 foot with allowance up to an additional 2-feet
NEXT STEPS

- Elevate Building Minimum Finished Floor Elevations
- Implement Sacrificial Floor Construction
- Codify Land-Use Regulation Updates
- Fill Existing Data Gaps
- Explore Role of Natural Infrastructure
THANK YOU!

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