

MIAMIBEACH
RISING
ABOVE



Home Ports: Success Stories from
Southeast Florida

MIAMIBEACH



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

RCAP ALIGNMENT



A Region Responds to a Changing Climate

Southeast Florida Regional Climate Change Compact Counties

Regional Climate Action Plan

October 2012



SUSTAINABLE COMMUNITIES

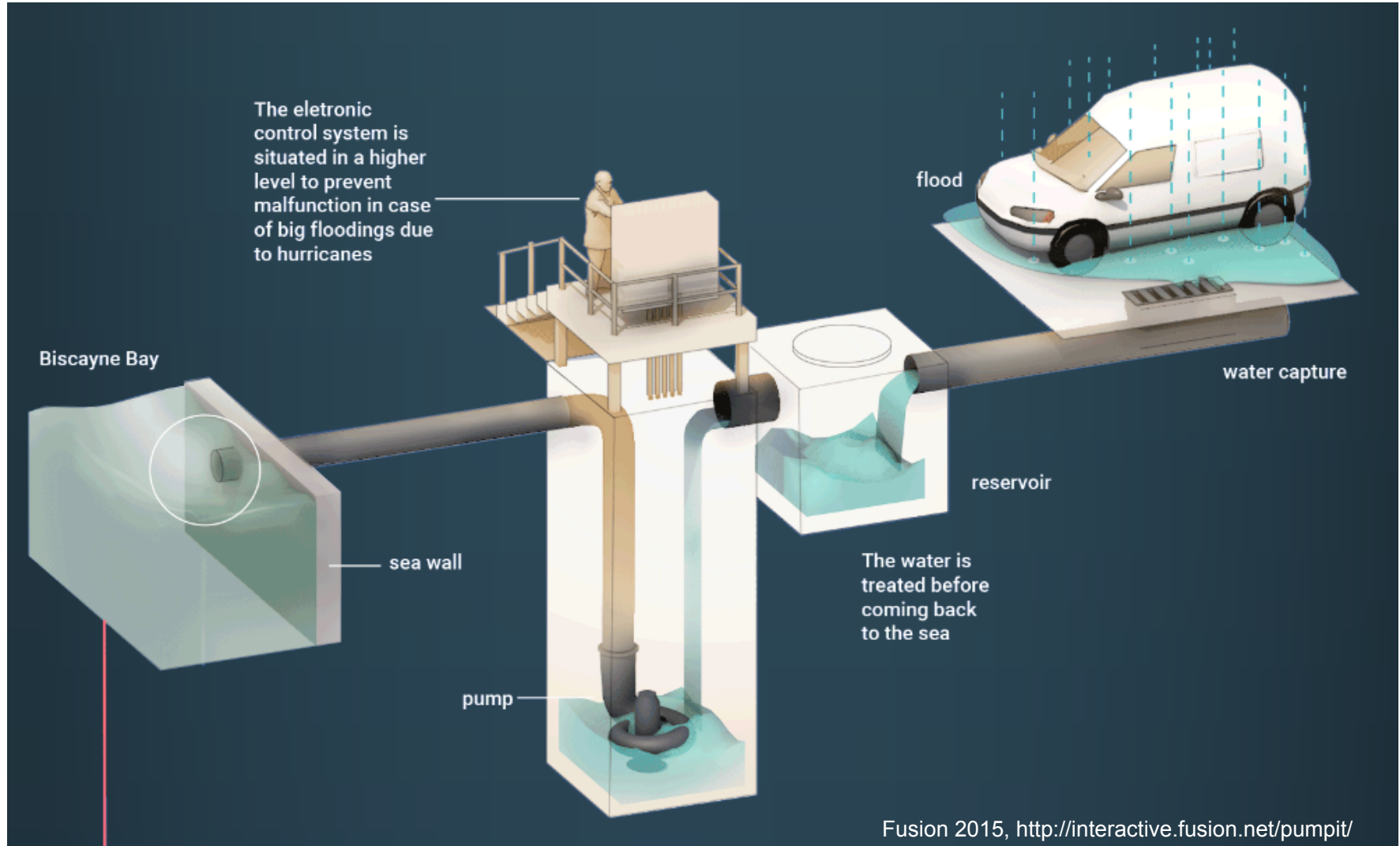
GOAL: Reduce financial and physical losses in our building stock by reshaping where and how we build.

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.

LOCAL LEADERSHIP

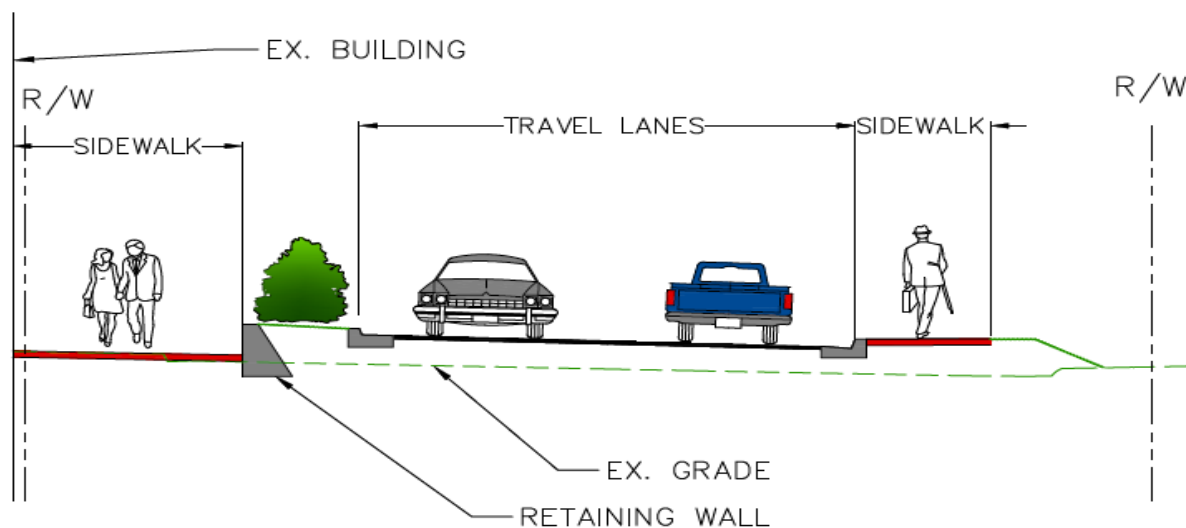
INFRASTRUCTURE IMPROVEMENTS



INFRASTRUCTURE UPGRADES



INFRASTRUCTURE UPGRADES



520 WEST AVENUE
(ANTHONY'S PIZZA)

CONCEPTUAL, SUBJECT TO CHANGE

INFRASTRUCTURE UPGRADES

BEFORE



Raised Public Road

AFTER



LAND-USE REGULATIONS

- 4.0 ft.. NAVD (residential renovation)
- 5.7 ft.. NAVD (public & commercial)

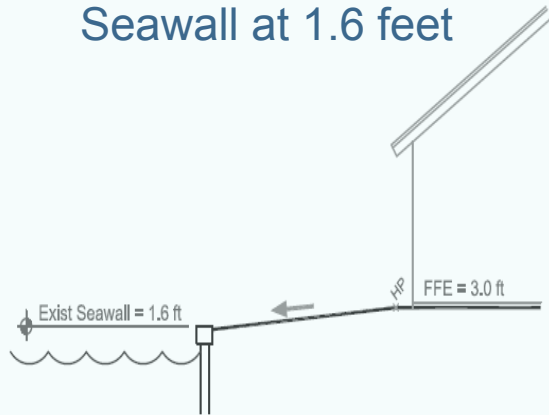


Raised Public Seawall

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

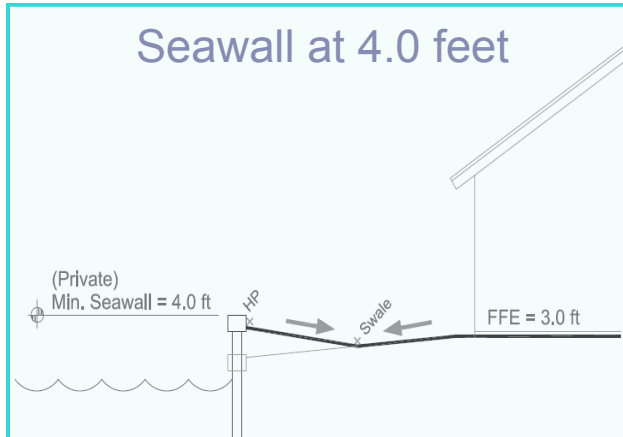
Seawall at 1.6 feet



Elevating Sea Walls
Existing Conditions

NTS

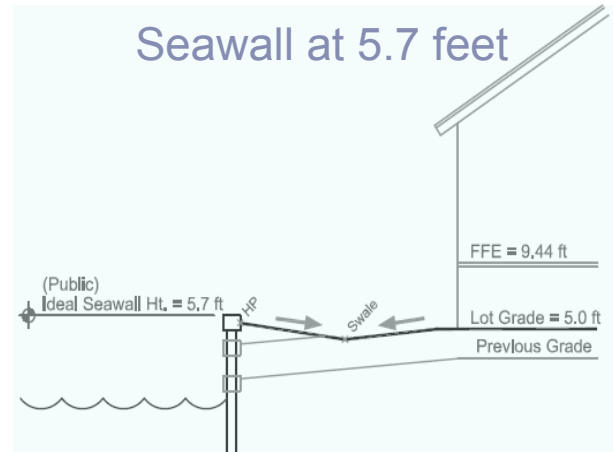
Seawall at 4.0 feet



Elevating Sea Walls
Interim Improvements

NTS

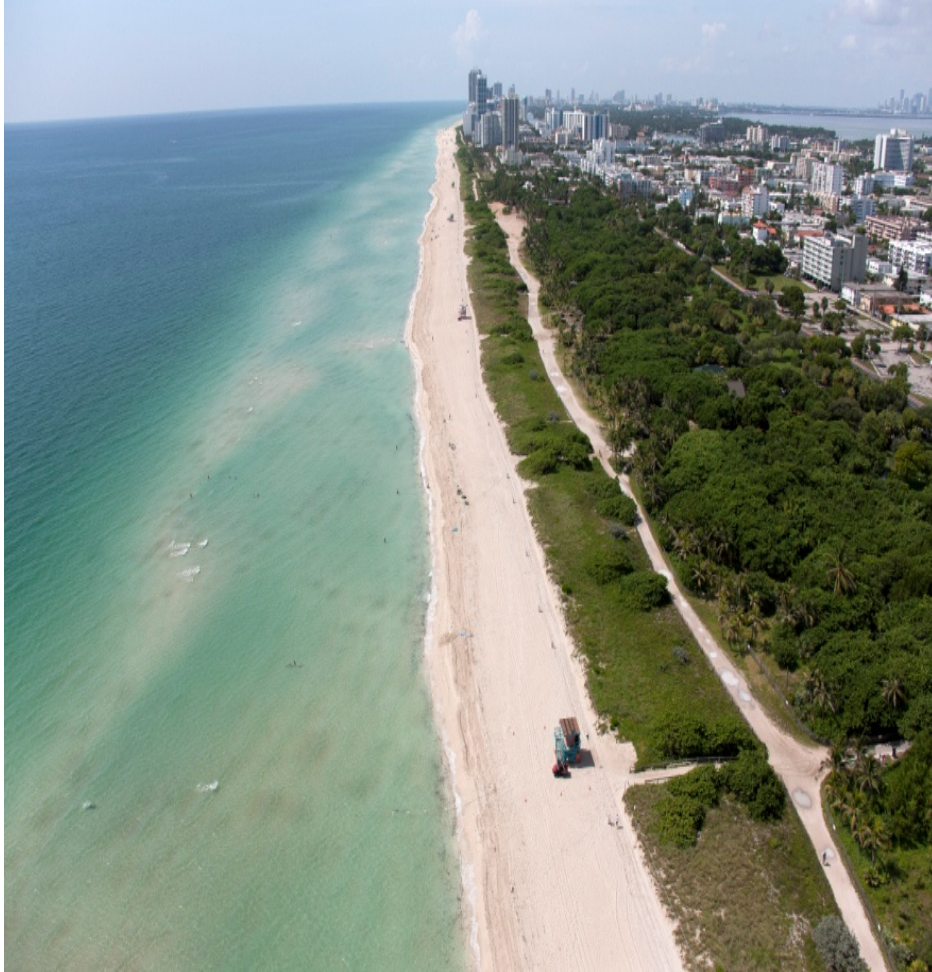
Seawall at 5.7 feet



Elevating Sea Walls
Proposed - Improved

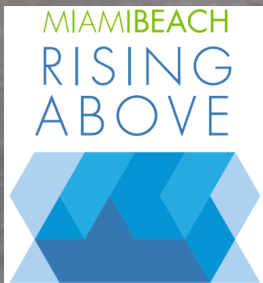
NTS

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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