

Adaptation Planning Team

Ranked Adaptation Planning Actions

August 2019

City Staff:

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Scott Fraser, Floodplain

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#1 (30) Assess Vulnerability and Adaptation Needs for Public Service

- Build local govt capacity to understand risks
- Develop/Update vulnerability assessments for City buildings.
 - Flood Zones of all City Buildings
 - ID natural buffers which provide adaptation benefits
 - Develop resilience assessments for below grade infrastructure.
 - Assess partner institutions: Hospitals, Clinics, Schools, Airport, cultural resources, economic resources, at risk populations, public housing.
- Address SLR and CC resilience in annual budgeting, planning and designing processes
- Address SLR in annual legislative priorities
- Continue King Tide photo mapping to document nuisance flooding
- Develop level of service goals for roads in lowest lying neighborhoods

#2 (26) Increase Financing Options for Adaptation

- Reduce barriers to public and private investment
- Create mechanisms to fund adaptation projects
- Research taxing incentives, green lending, PACE, carbon credits, revolving funds, etc.
- Actively seek grants
 - FDEP: Coastal Partnership Initiative,
 - FDEO: Community Planning Technical Assistance,
 - NFWF

#3 (18) Update LDR's for commercial and residential resilience

- No slab on grade
- More freeboard
- Post flood: Different materials

#4 (16) Continue Collaboration with others

- Monroe County
 - FEMA Maps Fight
 - County wide Post Disaster Recovery Strategy.
- Southeast Florida Climate Change Compact
 - 100 Resilient Cities
 - Unified SLR Predictions

- Regional Climate Action Plan
- Adaptation Action Areas
- US Naval Academy/Northeastern University.
- ACOE 3x3/Stetson Elevation Data/Roads Vulnerability

#5 (14)	Decrease Stormwater Flooding
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- Increase green infrastructure design
- Consider SLR estimates in all design
- Explore counting cisterns as water retention
- Increase onsite retention and reuse of rainwater
- Decrease fouling of rainwater so that it can be used for higher qualities of uses.

(8)	Protect our wellfield
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- Increase water efficiency in homes and businesses
 - Adopt Miami Dade’s water code.
- Decrease inappropriate uses of potable water where lesser qualities of water will suffice (examples: pool filling, landscaping).
- Decrease barriers to graywater use.
- Increase ability to respond to drought conditions.
- Increase collaboration from local utilities.
- Turkey Point

(5)	Decrease Insurance Burdens by Reducing Risk
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- Increase Community Rating System points.
- Reduce burden to homeowners to raise homes above floodplain.
- Increase Incentives
- Reduce burden to business owners to floodproof.
- Increase property owner’s ability and responsibility to adapt?

(4)	Increase Energy Independence
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- Increase energy resilience by reducing barriers and creating incentives for solar energy and other low-carbon energy sources.
- Adopt Renewable Energy Target
- Increase efficiency of energy use in existing homes and businesses (esp. high ROI areas like lighting, water heating, air curtains).
- Decrease inappropriate uses of energy (light pollution).
- Increase local utility collaboration.

0	Diversify Building Materials
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- Research glass and mulch as cost saving ways to build up roads and soil

0	Strive for Equity
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- Analyze health issues cause by extreme heat days
- Address CC/SLR impacts on disadvantaged groups, values and symbolic places.