

POLICY HACK: ENVIRONMENTAL COASTAL RESILIENCE

APRIL 7, 2021

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Our Vision

Our definition for achieving *environmental coastal resilience* includes policy solutions for *both the people and ecosystems* inhabiting the coastlines. We envision *thriving coastlines* that are able to withstand and recover from shocks and stressors.

OUR PRIORITIES

- The social and economic wellbeing of residents of coastal communities
- Healthy and clean shorelines and natural areas like Biscayne Bay
- Commitment to sustainable development and a just, regenerative economy



Social and Economic wellbeing of residents of coastal communities

- Insuring Communities, not Individuals
- Adaptation Planning



Living shorelines provide multiple co-benefits including:

Provides a habitat for wildlife

Stabilizes the shoreline/ preventing erosion

Reduces flood risk

Improves water quality



'Hard' infrastructure like retaining walls abruptly severs the ecological connection between the coast and water.

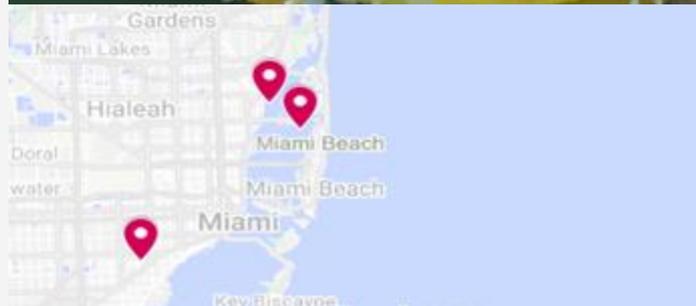


Not only do Living Shorelines defend land against destructive waves, but they also provide crucial habitat for fish and wildlife.

Greater Biscayne Bay Monitoring Data Network

Florida International University researchers are committed to developing cutting edge technology and techniques to predict the extent of future toxic algal blooms. This includes:

- Buoys and drones
- GIS Applications
- Water Cycle Monitoring
- Long-Term Interagency Data Base



Greater Biscayne Bay Monitoring Data Network

We propose implementation of a collaborative testing network that would address three key zones of Biscayne Bay at risk for Algal Blooms

- **Northeast:** Improved circulation model
- **Central:** Monitoring of canal system
- **Southern:** Assessment of septic tanks



Commitment to Sustainable Development and a Just, Regenerative Economy



We propose that all new buildings in Miami should be required to have silver LEED certification or higher.

This certification is used to determine the sustainability of a structure including whether the building was constructed with green materials and features energy and water efficient technologies.

Leed certification will guarantee that development and its subsequent effects remain environmentally conscious.

Commitment to Sustainable Development and a Just, Regenerative Economy



Since we in Miami are considered “Ground Zero” for climate change, we in Florida should be a part of the solution.

We propose the development of renewable energy portfolio standards for the state of Florida with solar energy leading the way.

This policy solution will also bring higher salaried, unionized jobs back to the state to promote a just, regenerative economy.



In Summary



Social and Economic Well-being of Coastal Communities

- Reforming the National Flood Insurance Program
- Focus on Adaptation within communities



Health and Clean Shorelines including Natural Areas Like Biscayne Bay

- Living Shorelines
- The Greater Biscayne Bay Monitoring Data Network



A commitment to Sustainable Development and a Just, Regenerative Economy

- LEED Standards for new buildings
- Renewable Portfolio Standards for the State of Florida