

# CLIMATE CHANGE RESILIENCE

the capacity of cities, communities, and individuals to adapt, grow, and thrive in the face of short-term and long-term challenges associated with climate change

The City of Miami Beach is a beautiful, sun-kissed island loved by residents and visitors alike. But our community also resides on a low-lying barrier island that is a living laboratory for climate change. **We are a city of sunshine—but also a city of water.** Our city is committed to meeting this challenge head-on and learning to rise above.

## GUIDING PRINCIPLES

1. Maintaining Urgency
2. Using Incrementalism
3. Ensuring Transparency
4. Respecting Ecological Endowment
5. Prioritizing Social Equity
6. Recognizing Co-Benefits
7. Preserving Cultural Identity
8. Preserving Historic Structures
9. Living With Water
10. Long-term + Regional Perspective

### Our Departments:

*City Manager's Office • Public Works • Environment + Sustainability • Building • Planning • Communications • Finance • Capital Improvement Projects • Division of Emergency Management*

## SHORT TERM CHALLENGES



Sudden, sharp events like:  
*Hurricanes/Tornadoes  
Infrastructure Failure  
Heat wave  
Disease Outbreak*

## LONG TERM CHALLENGES

Slow, consistent events like:  
*Recurrent Flooding  
Coastal Erosion  
Sea Level Rise  
Pronounced Poverty  
Inequitable Transportation  
Lack of Affordable Housing*



## POLICIES & PROGRAMS

Private Property Adaptation Program

Private Seawall Elevation Plan

Dune Protection

Fertilizer Control and Water Quality

Erosion Control and Water Quality

Resilience City Code

Stormwater Dashboard

FEMA Program for Public Information

FEMA Community Rating System for flood insurance

GIS Seawall Tool for public and private property

Plastic Free MB

Tree Preservation Program



## PLANS

Climate Action Plan (2022)

Strategic Plan (2019)

2040 Comprehensive Plan Resilient Land Use (RLU) Element (2019)

ICF Business Case Analysis (2020)

Buoyant Cities (2020)

Water and Sewer Critical Needs Plan (2019)

Jacobs Neighborhood Prioritization (2020)

Jacobs Road Elevation Plan (2020)

Jacobs Blue-Green Infrastructure Plan (2020)

Urban Forestry Master Plan (2020)

Public Seawall Infrastructure Funding Plan (2021)

## PROJECTS

*Funding has been allocated.*

Dune Management

Beach Renourishment

Public Seawalls

Neighborhood Improvement Projects

- Sunset Harbour
- Palm + Hibiscus
- Indian Creek
- West Ave
- First Street

Water and Sewer Infrastructure Upgrades

Stormwater Infrastructure Improvement

Living Shorelines and Seawalls

G.O. Bond Reforestation Program



## PARTNERSHIPS & GROUPS

Resilient Cities Network

Urban Sustainability Directors Network

Southeast Florida Climate Compact

Resilient 305

Local Mitigation Task Force

County Heat Task Force

Visioning Workshop 2070 with FIU

Tree Cities of the World

