

C7 AD A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA, ACCEPTING THE CITY OF MIAMI BEACH SEA LEVEL RISE VULNERABILITY ASSESSMENT AND ADAPTATION PLAN, AND SUPPORTING THE CONTINUED DEVELOPMENT OF AN ADAPTATION PLAN FOCUSED ON CHANGING CONDITIONS, WHICH IS A MORE FLEXIBLE AND INNOVATIVE APPROACH THAN TRADITIONAL PLANNING.

Applicable Area:

# MIAMI BEACH

## COMMISSION MEMORANDUM

TO: Honorable Mayor and Members of the City Commission

FROM: City Attorney Ricardo J. Dopico

DATE: October 30, 2024

TITLE: A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA, ACCEPTING THE CITY OF MIAMI BEACH SEA LEVEL RISE VULNERABILITY ASSESSMENT AND ADAPTATION PLAN, AND SUPPORTING THE CONTINUED DEVELOPMENT OF AN ADAPTATION PLAN FOCUSED ON CHANGING CONDITIONS, WHICH IS A MORE FLEXIBLE AND INNOVATIVE APPROACH THAN TRADITIONAL PLANNING.

### **RECOMMENDATION**

### **BACKGROUND/HISTORY**

### **ANALYSIS**

The attached Resolution was prepared at the request of the sponsor, Commissioner Laura Dominguez.

### **FISCAL IMPACT STATEMENT**

N/A

### **Does this Ordinance require a Business Impact Estimate?**

(FOR ORDINANCES ONLY)

If applicable, the Business Impact Estimate (BIE) was published on:

See BIE at: <https://www.miamibeachfl.gov/city-hall/city-clerk/meeting-notices/>

### **FINANCIAL INFORMATION**

### **CONCLUSION**

### **Applicable Area**

Citywide

**Is this a "Residents Right to Know" item, pursuant to City Code Section 2-17?**

No

**Is this item related to a G.O. Bond Project?**

No

**Was this Agenda Item initially requested by a lobbyist which, as defined in Code Sec. 2-481, includes a principal engaged in lobbying?** No

If so, specify the name of lobbyist(s) and principal(s):

**Department**

City Attorney

**Sponsor(s)**

Commissioner Laura Dominguez

**Co-sponsor(s)**

**Condensed Title**

Accept Sea Level Rise Vulnerability Assessment and Adaptation Plan. (Dominguez) CA

RESOLUTION NO. \_\_\_\_\_ - \_\_\_\_\_

**A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA, ACCEPTING THE CITY OF MIAMI BEACH SEA LEVEL RISE VULNERABILITY ASSESSMENT AND ADAPTATION PLAN, AND SUPPORTING THE CONTINUED DEVELOPMENT OF AN ADAPTATION PLAN FOCUSED ON CHANGING CONDITIONS, WHICH IS A MORE FLEXIBLE AND INNOVATIVE APPROACH THAN TRADITIONAL PLANNING.**

**WHEREAS**, the City of Miami Beach ("City") has long been a leader in recognizing the threat posed by sea level rise and taking proactive actions to establish a resilient city prepared for future changes; and

**WHEREAS**, due to its relatively low elevation and porous geology, the City is at the forefront of experiencing the impacts of sea level rise, particularly in Southeast Florida; and

**WHEREAS**, the City has already begun to experience the impacts of sea level rise, including more frequent flooding of coastal roadways and low-lying areas during king tide events and more widespread ponding during heavy rainfall events; and

**WHEREAS**, these flooding events cause travel disruptions, damage to City infrastructure and private property, and during extreme events, can pose significant threats to life and safety; and

**WHEREAS**, future sea level rise is projected to increase the scale and severity of flooding, as coastal floodwaters become more likely to overtop existing shoreline infrastructure, and elevated water levels further reduce the effectiveness of the City's stormwater drainage systems; and

**WHEREAS**, to better understand the risks posed by future sea level rise, the City has conducted the Sea Level Rise Vulnerability Assessment ("Assessment"), identifying City-owned and regionally significant assets most vulnerable to various flood sources across a range of current and future conditions; and

**WHEREAS**, the Assessment provides critical insights to help the City prioritize assets most vulnerable to sea level rise, supporting ongoing adaptation planning efforts; and

**WHEREAS**, the objectives of the Assessment include identifying and prioritizing critical City assets at risk from future flood events, ensuring protection of critical assets serving the City's most socially vulnerable communities, and engaging the public and stakeholders in the process; and

**WHEREAS**, the Assessment is compliant with Section 380.093, Florida Statutes, which defines a coordinated statewide effort through the Resilient Florida Program to adapt communities to increased risks from sea level rise, extreme weather, and precipitation; and

**WHEREAS**, completion of the Assessment ensures that the City remains eligible for funding assistance for projects addressing specific flood vulnerabilities identified in the Assessment; and

**WHEREAS**, the City is heavily urbanized, with buildings, roadways, and impervious surfaces contributing to stormwater drainage issues, a problem projected to worsen as future sea level rise challenges the capacity of the City's stormwater infrastructure; and

**WHEREAS**, the City, in partnership with regional efforts such as the Southeast Florida Regional Climate Change Compact and its own Blue Ribbon Panel on Flooding and Sea Level Rise, has already implemented actions such as elevating roadways, installing stormwater pumps, and increasing seawall minimum heights to respond to sea level rise; and

**WHEREAS**, the findings of the Assessment informed the development of the City's Adaptation Plan that includes strategies to integrate sea level rise adaptation into City planning, design, and operations; and

**WHEREAS**, future adaptation strategies, guided by the findings of this Assessment, will further enhance the City's resilience and safeguard its cultural and historical significance as a coastal city; and

**WHEREAS**, the full report of the City of Miami Beach Sea Level Rise Vulnerability Assessment and Adaptation Plan is available at [www.mbrisingabove.com/va](http://www.mbrisingabove.com/va); and

**WHEREAS**, the Neighborhood Resilience Projects Advisory Committee met on September 18, 2024 and passed a motion supporting the existing work on sea level rise vulnerability and continued development of the City's Adaptation Plan.

**NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA**, that the City hereby accepts the Sea Level Rise Vulnerability Assessment and Adaptation Plan and supports the continued development of an Adaptation Plan that focuses on evolving conditions, providing a flexible and innovative approach to planning for the future.

**PASSED AND ADOPTED** as of the \_\_\_\_ day of \_\_\_\_\_, 2019.

**ATTEST:**

\_\_\_\_\_  
Rafael E. Granado, City Clerk

\_\_\_\_\_  
Steven Meiner, Mayor

APPROVED AS TO  
FORM & LANGUAGE  
& FOR EXECUTION

  
\_\_\_\_\_  
City Attorney

10/21/2024  
\_\_\_\_\_  
Date