



COMMISSION MEMORANDUM

TO: Honorable Mayor and Members of the City Commission

FROM: Eric Carpenter, City Manager

DATE: February 3, 2025

TITLE: REFERRAL TO THE LAND USE AND SUSTAINABILITY COMMITTEE TO PRESENT AND DISCUSS THE DRAFT SEA LEVEL RISE ADAPTATION PLAN FUNDED BY THE RESILIENT FLORIDA GRANT PROGRAM.

RECOMMENDATION

The Administration recommends the Mayor and City Commission refer this item to the Land Use and Sustainability Committee.

BACKGROUND/HISTORY

On September 20, 2024, Letter to Commission was issued, LTC # 418-2024, (Attachment A) detailing the motion made by The Neighborhood Resilience Projects Advisory Committee (NRPAC) on September 18, 2024, regarding the draft Vulnerability Assessment and Adaptation Plan.

On October 30th, 2024, Resolution No. 2024-33332 (Attachment B) was adopted by the Mayor and City Commission of the City of Miami Beach, 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, offering a more flexible and innovative approach compared to traditional planning.

ANALYSIS

The City was awarded a Resilient Florida grant to develop a Sea Level Rise Vulnerability Assessment and Adaptation Plan. As a low-lying city surrounded by water, Miami Beach is increasingly vulnerable to flooding and the impacts of climate change, including intensifying coastal storm surges, more frequent and intense rainfall events, and higher annual king tides, which are all worsened by the addition of rising sea levels. The urgency of the issue is compounded by the City's unique porous limestone geologic setting that allows groundwater to push through the surface and flood interior parts of the City during high coastal water level conditions such as King Tides.

The draft plan outlines a comprehensive, forward-thinking, and flexible framework to safeguard the City's infrastructure, protect its residents, and maintain its position as a global destination for visitors. This plan builds on the results of the City's Sea Level Rise Vulnerability Assessment, which identified the most vulnerable infrastructure and facilities to be prioritized for flood protection based on their projected timing of flood exposure, potential for asset damage, and downstream impacts to the community.

The Adaptation Plan is also part of the City's broader resilience framework. It integrates ongoing City plans and initiatives to align adaptation efforts with existing flood management, land use, and

neighborhood improvement efforts. Integration with existing City plans also promotes the adoption of long-term resilience considerations into individual plan updates based on evolving climate conditions. The goal of the Adaptation Plan is to develop a holistic, coordinated path to flood resilience that addresses the complex, interconnected nature of sea level rise hazards, which often require a flexible and phased approach to adapt.

Community engagement through workshops and focus groups has helped shape the plan by capturing flooding concerns and community priorities. This initiative is part of the Resilient Florida Grant program, which supports both current efforts and positions the City to secure additional funding for future resilience projects. The draft Sea Level Rise Adaptation Plan will be shared with the community at a meeting scheduled for February 20, 2024.

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-notice/>

FINANCIAL INFORMATION

CONCLUSION

The Administration recommends the Mayor and City Commission refer this item to the Land Use and Sustainability Committee.

Applicable Area

Citywide

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

Yes

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

Environment and Sustainability

Sponsor(s)

Commissioner Laura Dominguez

Co-sponsor(s)

Condensed Title

Ref: LUSC - Present and Discuss Sea Level Rise Adaptation Plan. (Dominguez) EN

Previous Action (For City Clerk Use Only)