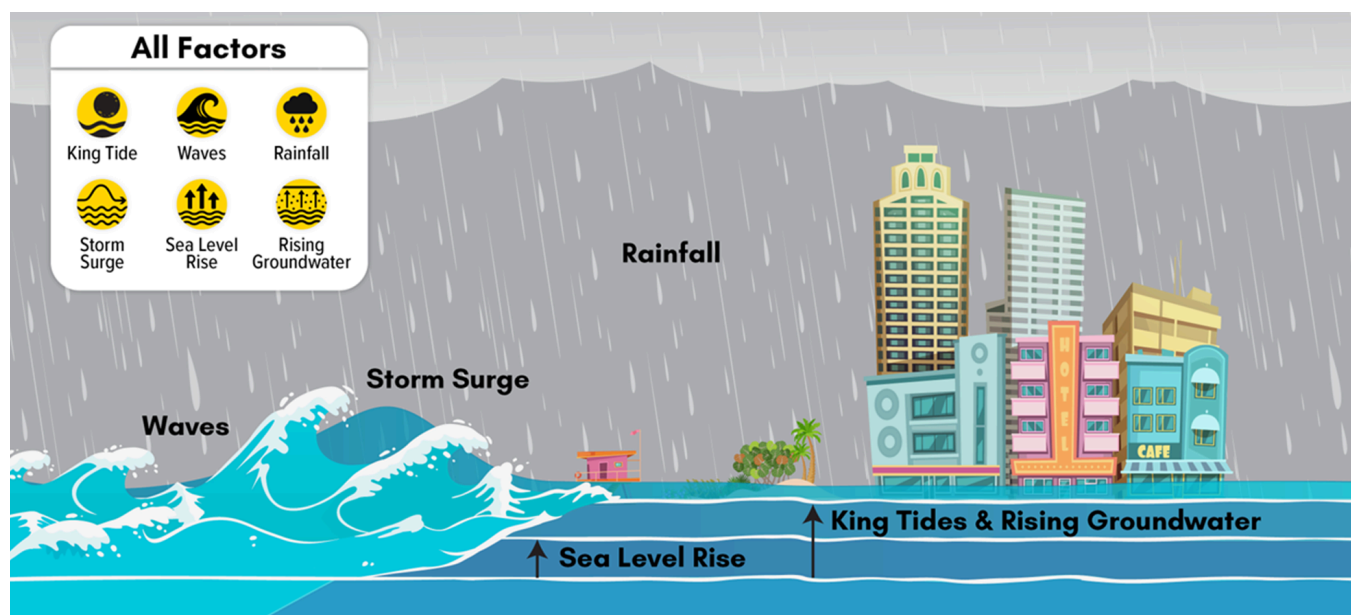


# Sea Level Rise Adaptation Plan

## DRAFT & SEEKING YOUR FEEDBACK

MIAMI BEACH  
RISING  
ABOVE

Miami Beach is a low-lying coastal city vulnerable to the impacts of climate change and rising sea levels. **The Sea Level Rise Adaptation Plan** aims to safeguard the City's infrastructure and protect its residents. The City has several existing policies, studies, and plans that detail flood protection strategies and the adaptation plan identifies additional and supplemental strategies to consider over time. Unlike traditional planning approaches, an adaptation plan addresses uncertainties of the future and can adjust over time as new information becomes available and climate conditions change.



### The proposed strategies for flood protection fall into the following themes:

- **Keeping Water Out:** refers to techniques used to prevent or limit water from entering specific areas.
- **Living with Water:** focuses on coexisting with water by using floodable designs rather than trying to prevent water from entering an area.
- **Nature-Based Flood Protection:** uses natural ecosystems and processes to reduce the impacts of flooding.
- **Strategic Relocation:** refers to the planned relocation of specific facilities or assets that are at risk to flooding or the modification of existing land uses to avoid infrastructure damage.
- **Plans and Policies:** refers to modifications in City plans, design criteria, or ordinances to provide an enhanced level of flood protection.

The proposed strategies are organized into pathway diagrams that provide a roadmap for decision making, showing when to implement different strategies and how they can evolve over time. These "pathways" analyze the City's current main flood protection strategy for a given category, look ahead to determine when that strategy may no longer be viable, and present other possible options.

These **6 key pathways** were developed to address specific flood risks across the city:

<h3>Bayfront Flood Protection</h3> <ul style="list-style-type: none"> <li>• Elevate Seawalls to Current Ordinance</li> <li>• Temporary Seawall Flood Barriers</li> <li>• Install Canal Tide Gates</li> <li>• Update Seawall Ordinance</li> <li>• Elevate Seawalls to Updated Ordinance</li> <li>• Add Living Shoreline to Seawalls</li> <li>• Restore Natural Shorelines</li> <li>• Expand Waterfront Setback for Increased Resilience</li> </ul>	<h3>Oceanside Protection</h3> <ul style="list-style-type: none"> <li>• Continue Routine Beach Renourishment</li> <li>• Dune Enhancement</li> <li>• Redesign Public Access</li> <li>• Hybrid Dune Systems</li> <li>• Reimagine Coastal Areas</li> <li>• Expand Offshore Wave Attenuation</li> </ul>
<h3>Critical Infrastructure Flood Protection</h3> <ul style="list-style-type: none"> <li>• Implement current Neighborhood Improvement Projects (NIP)</li> <li>• Update Neighborhood Prioritization Plans (NPP) for future sea level rise</li> <li>• Implement future NIPs</li> <li>• Floodproof Critical Infrastructure</li> <li>• Elevate Critical Infrastructure</li> <li>• Relocate Frequently Flooded Critical Infrastructure</li> </ul>	<h3>Stormwater Flood Protection</h3> <ul style="list-style-type: none"> <li>• Implement SWMMP Recommendations</li> <li>• Create Network of BGSi Projects</li> <li>• Update SWMMP</li> <li>• Promote Easement Acquisition</li> <li>• Implement Updated SWMMP Actions</li> <li>• Increase Floodable Areas</li> </ul>
<h3>Roadways Flood Protection</h3> <ul style="list-style-type: none"> <li>• Incremental Roadway Elevation</li> <li>• Temporary Roadway Flood Barriers</li> <li>• Update Road Elevation Strategy</li> <li>• Implement Updated Road Elevation Strategy</li> <li>• Transition to Stormwater Streets</li> <li>• Repurpose Rights-of-Way</li> </ul>	<h3>Critical Facilities Flood Protection</h3> <ul style="list-style-type: none"> <li>• Continue to Floodproof Critical Facilities</li> <li>• Temporary Facility Perimeter Flood Walls</li> <li>• Include Sea Level Rise in First Floor Elevations for Critical Facilities</li> <li>• Elevate Existing Critical Facilities</li> <li>• Repurpose Frequently Flooded Critical Facilities</li> </ul>

## Next Steps

The City is currently gathering feedback and finalizing the adaptation plan. We want to hear from you!



Scan the QR code or visit <https://www.mbrisingabove.com/va> to provide your feedback!



For more information:  
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