

Environmental Protection and Growth Management Department

STAFF REPORT

Amendment 20-T4: Water Management Element-Sea Level Rise

I. Item Summary.

Commission District	All
Applicant/Agent	Environmental Protection and Growth Management Department (EPGMD) Planning and Development Management Division (PDMD)
Proposed modifications	Amends the Comprehensive Plan's Water Management Element Policies 2.8 and 3.10 to remove the specified level and time frames for predicted sea level rise.
Effect of Proposed Change	<ul style="list-style-type: none"> • Ensure policies reference the most recent sea level rise projections. • Removes technical data from Comprehensive Plan policies.
Comprehensive Plan Consistency	<p>Consistent:</p> <p>A. BrowardNext→2017 Broward County Land Use Plan</p> <p>POLICY 2.21.3 Broward County shall update climate related policies and maps, including the Priority Planning Areas for Sea Level Rise Map, in the Land Use Plan with best available data, every 5 years or as available, including findings of the Broward County and USGS Joint Climate Change Inundation Modeling effort, which seeks to achieve a better understanding of the impacts of climate change and rising sea level on the County's water supplies, drainage and flood control systems.</p> <p>B. BrowardNext 2.0 Broward County Comprehensive Plan Capital Improvement Element</p> <ul style="list-style-type: none"> • POLICY CI2.1 Broward County, in conjunction with its municipalities and partner agencies, will work to ensure that adaptation to climate change impacts, especially sea level rise, is incorporated into the planning, siting, construction, replacement, and maintenance of public infrastructure in a manner that is cost-effective and that maximizes the use of the infrastructure throughout its expected life span. • POLICY CI3.6 The County will construct infrastructure necessary to maintain the adopted LOS standards as identified in the respective elements of the Broward County Comprehensive Plan. <p><u>Water Management Element</u></p> <ul style="list-style-type: none"> • POLICY WM2.5 Broward County will continuously update the future conditions map series, including wet season groundwater elevation and future condition flood elevation

	<p>maps, to reflect impacts of projected sea level rise and climate change for planning and regulatory purposes.</p> <p><u>Intergovernmental Coordination Element</u></p> <ul style="list-style-type: none">• OBJECTIVE IC7 – Ensure Adaptation to Climate Change Impacts Broward County shall ensure that adaptation to climate change impacts, especially sea level rise, is considered as part of the planning, siting, construction, replacement, and maintenance of public infrastructure.• POLICY IC7.1 Broward County shall coordinate with local, regional, State, and federal government agencies to ensure that climate change impacts, especially sea level rise, are considered during public infrastructure planning processes.
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II. Staff Recommendation.

The Environmental Protection and Growth Management Department's (EPGMD) Planning and Development Management Division (PDMD) recommends the Broward County EPGMD Local Planning Agency find the proposed Broward County Comprehensive Plan amendments consistent with the BrowardNEXT 2.0 Broward County Comprehensive Plan.

III. Local Planning Agency Recommendation.

At its December 14, 2020, public hearing, the Environmental Protection and Growth Management Department Local Planning Agency found the proposed Broward County Comprehensive Plan amendments consistent with the BrowardNEXT2.0 Broward County Comprehensive Plan and forwarded the proposed amendments to the Board of County Commissioners for consideration.

IV. Background.

- On March 28, 2019, the BCC adopted the BrowardNEXT2.0 Comprehensive Plan. BrowardNEXT2.0 was a comprehensive plan rewrite and the Water Management Element includes policies that address the impacts of sea level rise on water management infrastructure. Policy WM 2.8 requires identification of water infrastructure at risk from the impacts of sea level rise. Policy WM 3.10 requires Broward County to collaborate with utilities, drainage districts, and the South Florida Water Management District ensure adequate water supply facilities including the consideration of impacts from sea level rise.
- On March 10, 2020, the Board of County Commissioners (BCC) adopted the 2019 Unified Sea Level Projections Update. Water Management Element policies need to be updated to reflect the 2019 Sea Level Projections Update.
- On August 25, 2020, the BCC adopted a Motion to Approve Initiation (Agenda Item 36, Legistar 20-1285) of amendments to the BrowardNEXT2.0 Comprehensive Plan's Water Management Element to reflect the 2019 Sea Level Projections Update.

V. Description of Amendments.

The following amendments are proposed to Water Management Element Policies 2.8 and 3.10 to remove references to specific amounts and time frames of predicted sea level rise:

- POLICY WM2.8 Broward County will use the Broward County Land Use Plan's Priority Planning Areas Map to identify assess water infrastructure at risk from unified projected

~~sea level rise projections of 9 to 26 inches (timeframe of 2010 to 2060) and other climate change related impacts by 2025 and update this assessment every 5 years or as new data is available.~~

- POLICY WM3.10 Broward County will collaborate with utilities, drainage districts, and the ~~SFWMD~~ South Florida Water Management District to ensure the adequacy of water supply facilities and infrastructure to effectively capture, store, treat, and distribute potable water under variable climate conditions, including changes in rainfall patterns, unified sea level rise projections, ~~of 9 to 26 inches from 2010 to 2060,~~ and flooding, and associated water quality and quantity impacts.

VI. Data & Analysis.

The proposed amendment is based upon the Broward County Planning Council's Priority Planning Areas 2020 map. This map is based upon the 2019 Southeast Florida Regional Climate Change Compact Unified Sea Level Rise Projection and 2007 LIDAR digital elevation model.

VII. Attachments

Attachment A: Proposed amendments.

Attachment A Proposed Amendments

- POLICY WM2.8 Broward County will use the Broward County Land Use Plan's Priority Planning Areas Map to identify assess water infrastructure at risk from unified projected sea level rise projections of 9 to 26 inches (timeframe of 2010 to 2060) and other climate change related impacts by 2025 and update this assessment every 5 years or as new data is available.
- POLICY WM3.10 Broward County will collaborate with utilities, drainage districts, and the ~~SFWMD~~ South Florida Water Management District to ensure the adequacy of water supply facilities and infrastructure to effectively capture, store, treat, and distribute potable water under variable climate conditions, including changes in rainfall patterns, unified sea level rise projections, ~~of 9 to 26 inches from 2010 to 2060,~~ and flooding, and associated water quality and quantity impacts.