

DRAFT MINUTES
 TECHNICAL ADVISORY COMMITTEE TO THE BROWARD COUNTY WATER ADVISORY
 BOARD

Friday, October 18, 2024, 9:30 AM Hybrid Meeting via Zoom

A meeting of the Technical Advisory Committee (TAC) was held on October 18, 2024, commencing at 9:30 am in person at 115 S. Andrews Ave Room 430 and virtually on Zoom. (The TAC meeting minutes were summarized by Delani Wood (dwood@broward.org or 954-519-1251). Copies of the presentations are filed with the supplemental papers of the meeting.)

Link to the recording: https://broward-org.zoomgov.com/rec/share/yYH_6VOApXK1mGjOjVvhmtq0Td4unZ5ym0pboeXMwVKNTNm mipUedtcTOoJrixx.zFb5K5ZKTo5Usf2s

I. Statement of Meeting Objectives

II. Roll Call

Name	In Person	Virtual	Absent	Alternate Name
Albert Carbon (Chair)	X			Chris Cappiello
Randolph Brown Vice- Chair		X		
Alan Garcia	ALT			Susan Bodmann Kevin Carter
Brett Butler		X		
Commissioner Doug Bell	X			Robert Goggin IV
David Walker		X		
Giovanni Batista		X		
Heather Cunniff	X			
Isabel Cosio Carballo		X		
Dr. Jennifer Jurado			X	
Jose Lopez	X			
Darren Badore	X			
Dawn Teetsal		X		Deann Von Stetina
Allison Witoshinsky	X			
Patrick Davis	ALT			Janeen Wietgreffe
Pete Kwiatkowski			X	
Rafael Frias	ALT			Irela Bague / Isabel Botero
Renuka Mohammed			X	Kiersy Pena Bratton
Stephanie Pearson		X		
Steve Holmes	X			
Jeff Jiang	X			
Suzanne Mechler	ALT			Jon Goldman
Talal Abi-Karam			X	
Rodrigo de Castro		X		
Luis Ochoa		X		Andrew Sobrino

III. Public Comments

There were no public comments.

IV. **TAC Approval of Minutes for August 16, 2024

Motion: Steve Holmes, Second: Randy Brown. Vote: unanimous.

V. Announcements

Dr. Mount provided a reminder of the upcoming Compact Summit.

VI. Presentations:

A. Broward County Contamination Model Update

*Dr. Gregory Mount, Assistant Chief Resilience Officer
Broward County Resilient Environment Department*

Dr. Mount provided updates on the groundwater elevation table and contamination assessment:

- The Future Conditions Groundwater Elevation Map was updated due to work by the TAC and the WAB, adopted by the Board of County Commissioners, and made active on July 1, 2024.
- The Contamination Risk Assessment in Broward County was initiated with around 900 contaminated sites identified. A risk ranking matrix was developed to prioritize sites based on proximity to water sources, wellfield protection zones, and contaminant types.
- Sea level rise is expected to cause groundwater table rise and saltwater intrusion, leading to potential mobilization of contaminants. A new variable density model through the USGS is in development to assess the impact of sea level rise on contaminant transport.

B. Stormwater Modeling to Predict King Tide Flooding Areas for the City of Hollywood

*Jonathan Goldman, PE, BCEE, PMP,
Senior Associate, CDM Smith Inc*

*Tomas Nye, PE, PhD
Senior Water Resources Engineer, CDM Smith Inc*

The team presented their work on using stormwater models to better predict flooding due to king tides in Hollywood. The model accounts for tides, sea level rise, and rainfall events to identify flooding in low-lying areas. The team is repeatedly calibrating the model using site-specific observations. Key findings include roadway flooding due to weak or low sea walls and leaking backflow preventors. The City of Hollywood Emergency Management teams plan to utilize the flood maps to deploy road barricades and pumps ahead of major events. Social media updates based on the

predictive tools presented are provided to the public to help manage expectations and inform of high-risk areas.

C. NatureScape Irrigation Services and Residential Irrigation Rebate Program
Current and Upcoming Interlocal Agreement (ILA)

*Vanessa Balta, Water Conservation Manager
Broward County Resilient Environment Department*

NatureScape Irrigation Services (NIS) Program:

- Focuses on improving irrigation efficiency in large commercial and municipal sites, through on-site irrigation evaluations and provision of recommendations for improving water use.
- From 2020-2024, the team went to over 600 sites resulting in savings of nearly 200 million gallons of water.

Residential Irrigation Rebate Program (RIRP):

- Provides homeowners with rebates for upgrading their irrigation systems
- Since its inception, the program has provided nearly 500 rebates, saving over 21 million gallons of water.

Proposed resolution:

- The current ILA supporting these programs will expire in April 2025. The new ILA will continue both programs and align the timeline with the fiscal year, ensuring there is no gap in services. The goal is to encourage existing partners to renew their agreements and recruit new partners into the program.
- The Board passed a resolution to forward the new ILA to the Water Advisory Board for approval. **Motion: Holmes; Second: Jiang. Vote: unanimous.**

D. Hurricane Helene & Milton Review

*Rajendra Sishodia, PhD
Broward County Resilient Environment Department*

- Dr. Sishodia provided an overview of the rainfall and groundwater impacts from Hurricanes Helen and Milton. Both hurricanes caused significant flooding in Western Florida into Western North Carolina. Rapid intensification of storms is linked to high sea surface temperatures from climate change.
- Groundwater levels rose significantly, with storm surges reaching 10 feet in some areas. These surges were lower than expected in Tampa Bay due to the location of storm landfall.

- 2024 has become the wettest year on record for the Tampa Bay area with close to 80" of rainfall thus far. Rainfall in Broward County is well above average this year.

VII. Next scheduled TAC Meeting: December 13, 2024, 9:30 a.m.

VIII. Next scheduled Joint WAB/TAC Meeting: November 8, 2024, 10:00 a.m.

IX. ADJOURNMENT