

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

Friday, February 17, 2023, 9:30 AM Hybrid Meeting via Zoom

A meeting of the Technical Advisory Committee (TAC) to the Broward County Water Advisory Board was held on February 17, 2023 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 Gregory Mount (Gmount@Broward.org or 954-519-0356). Copies of the presentations are filed with the supplemental papers of the meeting.)

Please note that discussion within the room was sometimes difficult to hear due to issues with microphones in the room and the recording started at 9:37AM

Link to the recording:

Topic: December Broward County TAC Meeting

Meeting Recording: https://broward-org.zoomgov.com/rec/share/zzZhBZySwtqrJRrjNNTinCUBDrmbJSZ-pFz1fiAODzS4uG0uBesPEPQCa1_OEJRS.er04B9etj2y2WBil

I. Roll Call

Name	In Person	Virtual	Absent	Alternate Name
Kevin Hart (Chair)	X			
Randolph Brown Vice- Chair		X		
Albert Carbon	X			Chris Cappiello
Alan Garcia		X 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	
Jace Selby	X			
Dr. Jennifer Jurado		X		
Jose Lopez		X		
Dawn Teetsal		X		Deann Von Stetina
Lisa Milenkovic			X	Cindy Griffen
Mike Bailey			X	Paul Thompson
Patrick Davis		X		Janeen Wietgreffe
Pete Kwiatkowski		X		Lorraine Mayers
Rafael Frias	X ALT			Melissa Velez
Renuka Mohammed			X	Kiersy Pena Bratton
Stephanie Pearson		X		
Steve Holmes			X	
Jeff Jiang	X			First Meeting
Suzanne Mechler		X		Jon Goldman
Talal Abi-Karam	X			
Tim Welch		X		Carrie Kashar

II. **Statement of Meeting Objectives**

A meeting of the Technical Advisory Committee to the Broward County Water Advisory Board was held on February 17, 2023, commencing at 9:30 am on Zoom.

III. **Public Comments**

None Provided.

IV. ****TAC Approval of Minutes of December 16, 2022**

Motion: Albert Carbon, Second: Commissioner Doug Bell, Vote: Unanimous.

V. **Announcements**

Dr. Jurado provided brief announcements on Water Matters Day and the C&SF 216 Study.

VI. **Presentations**

- A. New Pilot Coastal Subsurface Monitoring Systems in South Florida (30p, 10d)
Dr. Michael Sukop, PG, CHg, Professor, Institute of Environment, Florida International University.

Dr. Sukop provided an overview of a new pilot project that was recently funded by Congresswoman Wasserman-Schultz to investigate the changing groundwater levels along the coast. The project was motivated by the Surfside disaster, as there was little-to-no data available on subsurface water or saltwater on the barrier islands. There was also very little data concerning the impacts of permanent and episodic submergence of infrastructure and flooding from groundwater sources.

This project aims to provide comprehensive, high spatial and temporal resolution, decadal-scale monitoring of near-shore saltwater interfaces, water table positions, and unsaturated zone moisture conditions and movement. The data collected can be used to: 1) Quantify impacts of sea level rise on near-shore subsurface; 2) Inform potential early warning system for groundwater flooding; 3) Enable advanced modeling of unsaturated zone and water table; and 4) Properly design and protect subsurface infrastructure. Dr. Sukop provided an overview of the geology of the area and how that impacts infrastructure, and talked about the proposed design of the monitoring system. Dr. Sukop stated that there will be stakeholder meetings and additional outreach as the project moves forward.

- B. Preliminary Results of the Hydrological Modeling for the Broward Resilience Plan (30p 30d)
Robert Taylor, Jr., PE and Guillermo Regalado, PE, Hazen and Sawyer

Mr. Taylor and Mr. Regalado provided an overview of the hydrological modeling task in the Countywide Risk Assessment and Resilience Plan project and a lengthy history of the modeling efforts at the County. They reviewed the refinements made in the last iteration: extending and improving the canal network, extend the network to the intracoastal, extend the model domain, refinement of the sluice gates, and impervious areas.

The Hazen team also discussed the effects of the changes on the calibration and showed numerous graphs to compare the calibration to modeled conditions. The preliminary results were provided for the scenarios that were run, and a video was provided that summarized the scenario that could be termed worst case scenario.

- C. February 4th and 5th Rain Event (10p 10d)
Dr. Rajendra Sishodia, Environmental Program Supervisor, Resilient Environment Department

Dr. Sishodia provided an overview of the rainfall event that occurred on February 4th to 5th with maps of the total rainfall amounts as well as the impact this storm had on the groundwater levels in the area. He noted that up to 9 inches of rainfall fell in the southeastern part of the County.

VII. New Business

a. Ideas for Future Presentations

VIII. Next scheduled TAC Meeting: April 21, 2023, 9:30 a.m.

IX. Next scheduled Joint WAB/TAC Meeting: March 10, 2023, 10:00 a.m.

X. ADJOURN