

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

Friday, June 20, 2025, 9:30 AM Hybrid Meeting via Zoom

A meeting of the Technical Advisory Committee (TAC) was held on June 20, 2025, commencing at 9:30 am in person at 115 S. Andrews Ave Room 430 and virtually on Zoom. TAC meeting minutes were summarized by Delani Wood (dwood@broward.org; 954-519-1251). Copies of the presentations are filed with the supplemental papers for the meeting.

Link to the recording:

https://broward-org.zoomgov.com/rec/share/o62bO1QtofCb3aZfcnpBo3HyGCLXerofx3QflArHrD6hGsfYeurSQKIAR_VLArA.FxfCAzc0SwqggSmF?startTime=1750426603000

Passcode: ny*TB4pi

I. Statement of Meeting Objectives

II. Roll Call

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

III. Public Comments

There were no public comments.

IV. **TAC Approval of Minutes for April 18th, 2025

Motion: Gio Batista

Second: Rodrigo De Castro

Vote: unanimous approval

V. Announcements

- **Retirement of Mr. Randy Brown:** Board acknowledged his retirement; celebration planned for the August meeting.
- **Retirement of Mr. Kevin Carter:** Recognized for 31 years of service to Broward County and involvement in regional water associations.

VI. Presentations:

A. Clean Energy and Decarbonization

Matthew T. Goss, PE, PMP, CEM, CEA, CDSM, LEED AP, Senior Vice President

Spencer J. Perry Jr., PE, CDM Smith

The presenters provided an overview of clean energy fundamentals and the path toward decarbonization for municipal and utility operations. Their presentation began with "Clean Energy 101," emphasizing that clean energy comes from renewable, zero-emission sources, which are critical for achieving net-zero greenhouse gas emissions. They stressed the importance of prioritizing energy efficiency before scaling up clean energy projects, as optimizing energy use ensures subsequent investments in renewables are cost-effective and appropriately sized. The presenters discussed a range of clean energy technologies, including solar, wind, geothermal, hydrogen (with a focus on green hydrogen), renewable natural gas, and biofuels. They highlighted the dual benefits of these technologies for both reducing fossil fuel reliance and managing energy costs through strategies like peak shaving and renewable smoothing.

The presentation also addressed resilience and practical considerations for deploying clean energy infrastructure in South Florida. Goss and Perry explained that while solar and wind can be made resilient through thoughtful design—such as using flood-resistant mounts and corrosion-resistant materials—they are inherently intermittent and may require battery storage or backup generators for reliability. A significant portion of the discussion focused on hydrogen, particularly its promise for decarbonizing heavy-duty vehicle fleets and its potential for on-site production and storage, albeit with challenges related to water quality, space, and infrastructure. Also discussed was the concept of microgrids, which can integrate various clean energy sources to provide resilient, localized power for critical facilities. The presenters concluded by encouraging the committee to consider pilot projects and innovative approaches to integrating clean energy into water and wastewater operations.

B. 2025 Integrated Water Resources Plan Kickoff

Dr. Gregory Mount, Broward County Resilient Environment Department

Dr. Mount introduced the kickoff for the 2025 Integrated Water Resources Plan (IWRP), outlining its purpose as a strategic update to regional water management for Broward County and Southeast Florida. The IWRP aims to address emerging challenges such as climate change, population growth, and shifting water demand by fostering collaboration among local governments, utilities, and stakeholders. The plan's objectives include enhancing water supply reliability, improving water quality, and ensuring climate resilience. Dr. Mount emphasized that the IWRP process would be highly participatory, with multiple opportunities for stakeholder engagement, public input, and technical working groups to shape the plan's direction.

Key milestones and next steps were shared, including the initial phase of data collection, scheduling of workshops, and the formation of technical advisory groups. The presenter highlighted the importance of integrating the latest scientific data, modeling tools, and best practices into the planning process. By leveraging regional partnerships and input from diverse stakeholders, the IWRP aims to produce actionable strategies that will guide investments and policy decisions for years to come. The kickoff marked the official start of this multi-year effort, with the next phases focused on gathering input and developing draft recommendations for review in subsequent meetings. August 8th, 2025 is the deadline for applying, with a kickoff workshop to be scheduled the week after the Fourth of July holiday.

C. Water Resources Projects and Tools: Broward and Southeast Florida

Dr. Rajendra Sishodia, Broward County Resilient Environment Department

Dr. Sishodia provided a comprehensive update on current and forthcoming water resources projects, along with the decision-support tools being developed for Broward County and the greater Southeast Florida region. The presentation highlighted ongoing investments in water infrastructure, including flood resilience projects, water supply enhancements, and climate adaptation initiatives. Dr. Sishodia introduced new modeling and GIS-based tools designed to improve flood risk assessment, water supply planning, and emergency response. These tools are intended to support both day-to-day operations and long-term strategic planning, ensuring that local agencies can respond effectively to both chronic and acute water challenges.

Regional collaboration was a central theme, with the presenter noting strong partnerships among local governments, utilities, and state agencies. The importance of open data platforms was emphasized, enabling transparent information sharing and coordinated responses across jurisdictions. Looking ahead, the presenter identified the need for continued investment in monitoring networks, predictive analytics, and public outreach to ensure that communities remain informed and resilient in the face of evolving water resource challenges. The presentation concluded with a call to action for ongoing innovation and collaboration to address the region's complex water management needs.

VII. New Business Updates and Committee Commentary

- Interest in exploring pilot projects for green hydrogen production and on-site storage.
- Discussion on integrating microgrids into critical water and wastewater facilities.
- Suggestion to expand public outreach on clean energy and water resilience initiatives.

For future presentation ideas, please contact Dr. Gregory Mount, GMount@broward.org

VIII. Next scheduled TAC Meeting: August 15, 2025, 9:30 a.m.

IX. Next scheduled Joint WAB/TAC Meeting: September 12, 2025, 10:00 a.m.

X. ADJOURNMENT