

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

Friday, April 19, 2024, 9:30 AM Hybrid Meeting via Zoom

A meeting of the Technical Advisory Committee (TAC) was held on April 19, 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 Adrienne Aiken (aaiken@Broward.org or 954-519-1287). Copies of the presentations are filed with the supplemental papers of the meeting.)

Link to the recording: <https://broward-org.zoomgov.com/rec/share/-dwljc9s-aEgbVHPqJQAZ1WpdCA6bfoUUkLwXOmb6xkElyafzialLs3EVd5q9LM0.7h23VqWexALK2EF9>

**I. Statement of Meeting Objectives**

A meeting of the Technical Advisory Committee was held on April 19, 2024, commencing at 9:30 am in room 430 and on Zoom.

**II. Roll Call**

Name	In Person	Virtual	Absent	Alternate Name
At Large (Vacant)				
Randolph Brown Vice- Chair	X			
Albert Carbon (Chair)	X			Chris Cappiello
Alan Garcia		X ALT		Susan Bodmann
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			
Dawn Teetsal			X	Deann Von Stetina
Lisa Milenkovic	X ALT			Allison Witoshinsky
Patrick Davis	X			Janeen Wietgrefe
Pete Kwiatkowski	X			
Rafael Frias	X ALT			Irela Bague
Renuka Mohammed			X	Kiersy Pena Bratton
Stephanie Pearson		X		
Steve Holmes			X	
Jeff Jiang		X		
Suzanne Mechler	X ALT			Joan Fernandez
Talal Abi-Karam	X			
Rodrigo de Castro	First Meeting			
Luis Ochoa	First Meeting			

**III. Public Comments**

There were no public comments.

**IV. Plaque Presentation: Mr. Tim Welch, Director of Utilities, City of Sunrise**

**V. Elections**

- a. **\*\* Chair** (elected: Albert Carbon)
- b. **\*\* Vice Chair** (reelected Randy Brown)

**VI. Membership Vacancies (3)**

- a. **\*\* At-Large (Deferred to later date)**
- b. **\*\*298 District (elected: Luis Ochoa)**
- c. **\*\* Utility Director/ City Engineer/ Public Works Department Director (elected: Rodrigo De Castro)**

**VII. \*\*TAC Approval of Minutes of February 16th, 2024**

Motion: Giovanni Batista, 2<sup>nd</sup> Patrick Davis Vote: Unanimous.

**VIII. Announcements**

- a. No announcements were made.

**IX Presentations:**

- A. Miami Wellfield Optimization  
*Dr. Virginia Walsh, P.G, Chief, Hydrogeology Technical Services Division, Miami-Dade Water and Sewer Department.*

Dr. Virginia Walsh presented on the optimization of the Biscayne Aquifer for consumptive use permitting. The project sought to determine how much Biscayne Aquifer water was above base allocation in Miami-Dade County, and how it could be best utilized within the system without offsetting regional flows. An optimization tool was leveraged. The assessment considered 2040 water demand projections, seasonality, and several constraints, and used an implicit optimization approach which accounted for present and future conditions. Thousands of combinations revealed cluster 10 to have constraints with the least impact on the regional system. The results of the optimization tool with the groundwater modeling were shown and it was determined that Miami-Dade County would get the best use of C-51 water at the C-2 canal. Dr. Walsh highlighted that the new permit with the C-51 allowed for an increase in allocation of 40mgd with 15mgd due to the addition of the C-51 and 25mgd attributed to optimization. The co-benefits and cost savings associated with the optimization results were outlined. Modeling assumptions, constraints, and criteria were presented.

A series of questions and answers followed the presentation.

- B. Knowledge Retention  
*Randy Brown, P.E., Utilities Director, City of Pompano Beach.*  
Randy Brown presented the issue of retaining critical knowledge within the utilities department for the City of Pompano Beach, as 41% of the Department's employees will be able to retire in the next five years. He created a spreadsheet to identify and quantify the critical knowledge of retiring employees and assembled a panel to

interview soon-to-rotate employees. The Knowledge Inventory Form that he created is being used to determine critical knowledge at risk of being lost, provide prioritization and timeline guidance for transfer of knowledge, and advise potential tools for knowledge transfer.

A series of questions and answers followed the presentation.

- C. LCRR Compliance Deadline is Quickly Approaching: Considerations to Ensure A Successful Lead and Copper Program  
*Nathan Rothe, Principal Scientist, and Becki Rosenfeldt, Senior Associate, Hazen and Sawyer.*

Nathan Rothe provided an overview of the Lead and Copper Rule Revisions (LCRR), deliverables, compliance requirements, approach for Florida utilities, identification strategies, funding opportunities, public engagement considerations, immediate considerations, and forthcoming requirements for Lead and Copper Rule Improvements (LCRI). It was noted that utilities had less than 6 months to comply with the Lead and Copper Rule. Becki Rosenfeldt described the presence of lead at the National scale. She also advised that LCRI definition of a lead connector could have implications for utilities.

A series of questions and answers followed the presentation.

## **X. New Business**

- a. Announcement of Election Results.
- b. Ideas for future presentations.
  - i. Presentation and discussion on CRS
  - ii. Presentation on Reclaimed Water Master Plan update
  - iii. Presentation on energy management strategies for utilities
- c. Randy Brown thanked utilities that helped Lake Worth Beach respond to their main puncture/break.
- d. Board moved forward with Sand Bypass Project (meet 50% of sand needs for Segment III).
- e. Dr. Jurado noted that General Gram and General Spellmon with the Army Corps of Engineers had asked to be provided the revised scope for the C&SF project in two weeks. Dr. Jurado also mentioned that the Army Corps stated the capability to work on a comprehensive study.

**Next scheduled TAC Meeting: June 21, 2024, 9:30 a.m.**

**Next scheduled Joint WAB/TAC Meeting: May 16, 2024, 1:30 p.m. – 3:00 p.m. in Palm Beach County.**

**ADJOURN 11:30 a.m.**