

Path Forward Committee Meeting

April 7, 2020, 9:30 AM to 12:00 PM

Remote Access Only (see last page of agenda for instructions)

Materials related to this PFC Meeting have been placed on the UNRBA website unless noted otherwise on the [Meeting page](#).

See items under the April 7, 2020 meeting date. A direct link to the meeting presentation is provided at [PFC Meeting Presentation for April 7, 2020](#).

- I. **Opening Comments, Agenda Review/Revisions — Co-Chairs Kenny Waldroup and Michelle Woolfolk**
- II. **Summary of UNC Collaboratory Jordan Lake Watershed Modeling**
Item Summary (Jonathan Miller, Guest Speaker): Dr. Miller will present a summary of the watershed modeling work for Jordan Lake completed through the UNC Collaboratory. The [report](#) on this work is posted for your reference on our website.
- III. **Adjustments to Communications Contracts — Informational Item**
Item Summary (Forrest Westall): The February 12, 2020 Falls Lake Regulatory Forum was successful in bringing out many local government leaders and elected officials. That meeting required a tremendous amount of coordination and work. Some of the expenses exceeded the task budgets set aside in both HDR's Communications Support Contract and Brown and Caldwell's tasks that supported the Forum. In addition, it is extremely important to provide detailed follow-up to the questions provided by the participants and to address the issues raised in the Small Group Discussion portion of the Forum. In order to cover these additional costs, modification of the two contracts is necessary. On March 18, 2020, the Board approved contract modifications up to \$20,000 in total for the two contracts. This cost would be covered by the current FY's communication support budget of \$40,000. The Board authorized the Executive Director to develop the necessary contract modifications and authorized the Chair to execute these modifications on behalf of the UNRBA.
- IV. **Status of the UNRBA Stage I Existing Development Interim Alternative Implementation Approach (IAIA) Program Development — Informational Item**
Item Summary (Forrest Westall): On January 15, 2020 the UNRBA Board of Directors Approved the IAIA Program Description as a guidance document and authorized the Executive Director to discuss implementation pathways with DWR and others. Following consultation and meetings with DWR and an NGO representative, it was preliminary agreed to include the alternative approach into the Falls Lake Model Program being updated by DWR. A schedule of activities to continue development of the IAIA Program as well as the status of revisions to the Model Program being developed by DWR will be discussed. A prospective schedule has been provided to the PFC and the Board aimed at IAIA Program implementation date of July 1, 2021.
- V. **Nutrient Trading/Offset Rule Updates — Informational Item**

Item Summary (Forrest Westall): During the January 24th meeting with DWR, the status of the nutrient trading/offset rules and recent RRC decision were discussed. DWR provided revised language for review, and the UNRBA proposed edits to the revised language. Through consultation and coordination with DWR and the EMC, appropriate changes to the rule were developed and presented to the EMC by DWR on March 18th. The EMC approved the revisions and the revised rule was presented to the RRC on March 19th. The RRC approved the rule as modified. DWR has now requested that the NC Rule Codifier revise the trading rule reference in the Falls Rule (a technical revision) to reflect the newly codified trading rule 02B .0703. This will allow all trades in the Falls to follow the procedural requirements in the revised offset rule

VI. Modeling and Regulatory Support Status — Informational Item

Item Summary (Alix Matos): The Modeling Team presented preliminary hydrologic calibration and validation results to the MRSW on February 4th prior to the PFC meeting. Modifications to Lake Michie simulation is complete. Final hydrologic output provided to Dynamic Solutions in late February. Model performance generally ranks Good to Very Good at locations with observed USGS flow data and performs within expected ranges at ungaged tributaries. Preliminary temperature calibration at lake loading stations has been completed to support EFDC hydrodynamic calibration, and results will be summarized. The UNRBA 319 application to support revisions to watershed model code for onsite wastewater treatment systems has been submitted to DWR; a call was held on February 24th with DWR and UNC Collaboratory researchers. The UNRBA 319 application (modeling code revision portion) is moving forward in the application process. The ECU researchers' application will be revised to provide some additional monitoring and be resubmitted.

VII. Key Findings from State Regulations Chlorophyll-a Standards and the 303(d) Assessment Process for Lakes

Item Summary (Jay Sauber): Prior to construction, the US Army Corps of Engineers and the NC Division of Water Quality predicted Falls Lake to have very eutrophic characteristics. Since that time, water quality monitoring data indicate the possibility of non-attainment of chlorophyll-a standards in the upper reservoir regardless of new management strategies. This observation is supported by the Falls Lake design characteristics including: Morphology, Depth, Retention time, Light, and Sediment characteristics. Thus, modifications to the state's water quality standards and 303(d) decisions may be necessary. If necessary, these modifications will likely be site specific for Falls Lake. Any site-specific changes will require EPA approval. Accordingly, a careful review of EPA approved chlorophyll-a water quality standards and 303(d) processes in other states will help the UNRBA to consider alternative strategies for meeting site-specific water quality standards.

VIII. Other Status Items—Information Item

Item Summary (Forrest Westall): Brief statements on several ongoing activities:

- Budget approved for FY 2021
- Communications work for 2020-2021

- Scheduling presentation to PFC by the Jordan Lake UNC Collaboratory modelers
- Ongoing DEQ/DWR Items—MOA, 303(d), 2019 UNRBA Data Report meeting, IAIA Program discussions, etc.

IX. Closing Comments— Co-Chairs Kenny Waldroup and Michelle Woolfolk

Next MRSW Meeting: May 5, 2020, Time and location to be determined
Next PFC Meeting: May 5, 2020, Time and location to be determined
Next BOD Meeting: May 20, 2020, 9:30 AM to Noon, Location to be determined

Remote Access Instructions for the April 7, 2020 PFC Meeting

This meeting will open 30 minutes prior to the official meeting start time to allow for users to test equipment and ensure communication methods are functioning.

Equipment Type	Access Information	Notes
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Phone only	(888) 404-2493 Passcode: 371 817 961# Please mute your phone unless you want to provide input.	Dial the toll-free number and enter the passcode.

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