

**Modeling and Regulatory Support Workgroup (MRSW) and
Path Forward Committee (PFC) Meetings**
May 5, 2020, 9:00 AM to 12:00 PM
Remote Access Only (see last page of agenda for instructions)

Materials related to the MRSW and PFC Meetings have been placed on the UNRBA website unless noted otherwise on the [Meeting page](#). A direct link to the meeting presentations are provided [at MRSW Meeting Presentation for May 5, 2020](#) and [PFC Meeting Presentation for May 5, 2020](#).

Modeling and Regulatory Support Workgroup Agenda, May 5, 2020, 9:00 to 9:30

I. Opening Comments, Agenda Review/Revisions — Chair, Michelle Woolfolk

II. Allocation of unspent project management and meeting budgets to technical work

Item Summary (Alix Matos): Systech Water Resources and Dynamic Solutions anticipate that the full budget for Task 329 (project management and meetings—approved scope of work) will not be spent due to delay of the technical workshop to FY2021 and other changes to anticipated meetings through the remainder of this FY. Based on this situation and a request from the Project Manager, the Executive Director granted permission for each subcontractor to use unspent budget in Task 329 to prepare for FY2021 technical tasks. The following technical activities will be initiated using the identified available funds: 1) Systech Water Resources will initiate an information request from NCSU soil scientists to initialize soil chemistry for WARMF watershed and begin markup of WARMF Lake model segments for discussion with UNRBA subject matter experts, and 2) Dynamic Solutions will begin filling and formatting the water quality observations in Falls Lake to support water quality calibration of the EFDC model.

III. Amendment 2, FY2020 contract

Item Summary (Alix Matos): On March 18, 2020, the UNRBA Board approved contract modifications up to \$20,000 in total for the HDR and MRS contracts for communication activities and contract modifications of \$23,500 for the MRS contract pending final authorization by DWR of the 319 Grant to expand model code to simulate more types of onsite wastewater treatment systems. The communications activity and the additional modeling activity grant have been discussed in detail and represent additional work on the Forum and planned follow-up with the participants. The Board authorized the Executive Director to develop the necessary contract modifications and the Chair to execute these modifications. The Executive Director has been working with the contractors to develop the contract modifications, and Amendment 2 for the MRS contract has been executed. Changes associated with Amendment 2 will be summarized.

IV. Proposed scope of work for FY2021

Item Summary (Alix Matos): The Modeling and Regulatory Support Team submitted a preliminary draft scope of work for FY2021 to the Executive Director for review on April 22nd. A summary of the draft scope will be presented. The schedule for contract authorization will be discussed.

V. Modeling and Regulatory Support schedule

Item Summary (Alix Matos): Modeling milestones and updates to the project schedule will be presented and discussed. Interim modeling milestones are revised compared to the schedule developed in 2018, but milestones associated with final reporting and development of the re-examination package are the same.

Path Forward Committee Agenda, May 5, 2020, 9:30 to 12:00

- I. Opening Comments, Agenda Review/Revisions — Co-Chairs Kenny Waldroup and Michelle Woolfolk**
- II. Summary of UNC Collaboratory Jordan Lake Modeling**
Item Summary (Daniel Obenour, Guest Speaker): Dr. Obenour will present a summary of NCSU modeling work for Jordan Lake completed through the UNC Collaboratory. The [report](#) on this work is posted for your reference on our website.
- III. 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. The UNRBA and DWR have developed draft language to insert into a revised DWR Modeling Program to allow for the IAIA. The draft language was distributed to the PFC on April 22nd and will be summarized during the meeting. The draft Program Document was provided to the PFC members and will be summarized. We will be working with Legal Group on a comprehensive Interlocal Agreement. A review of the 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 preliminary prospective schedule was developed previously and was provided to the PFC and the Board aimed at IAIA Program implementation date of July 1, 2021.
- IV. Modeling and Regulatory Support Status — Informational Item**
Item Summary (Alix Matos): On March 18, 2020, the UNRBA Board approved contract modifications for the FY2020 Modeling and Regulatory Support contract. The Executive Director worked with the contractor to develop the revised scope and Amendment 2 of the contract has been executed. This amendment increases the budget for communications activities associated with February 2020 Regulatory Forum and provides budget for out of scope expenses associated with the Forum. It also allows for submittal of a compilation of MRSW and PFC slides to satisfy interim reporting requirements while the technical report continues to be drafted.
Development of the scope of work and contract for FY2021 are also underway. The MRSW reviewed the scope of work during its meeting on May 5th. The primary modeling milestones for FY2021 include completing the water quality calibration of the WARMF watershed model, setting up and calibrating the hydrology for the WARMF lake model, beginning water quality calibration of the EFDC lake model, and beginning to code the model structure of UNRBA statistical model. The scope of work associated with communications is underway and will be discussed. The scope of work for the FY2021 contract will be presented to the PFC during the June 2nd meeting following revision based on MRSW review and input. Board approval of the FY2021 contract is anticipated at the June 17th Board meeting.
- V. Other Status Items—Information Item**
Item Summary (Forrest Westall): Brief statements on several ongoing activities:
- Communications work for 2020-2021
 - Scheduling presentation to PFC by the Jordan Lake UNC Collaboratory modelers and coordination with the Collaboratory on Falls Lake studies

- Legal support
- Ongoing DEQ/DWR Items—MOA, 303(d), chlorophyll-a, lake segmentation, 2019 UNRBA Data Report meeting, IAIA Program discussions, etc.

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

Next BOD Meeting: May 20, 2020, 9:30 AM to Noon, Location to be determined
Next MRSW Meeting: June 2, 2020, Time and location to be determined
Next PFC Meeting: June 2, 2020, Time and location to be determined

Remote Access Instructions for the May 5, 2020 MRSW and PFC Meetings

This meeting will open 10 minutes prior to the official meeting start time to allow for users to test equipment and ensure communication methods are functioning.

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

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