



UNRBA Board Meeting January 20, 2021

**Remote Access Only
(see next slides)**



Remote Access for UNRBA Board Meetings

Equipment Type	Access Information	Notes
Computers with microphones and speakers	Join Microsoft Teams Meeting Please mute your microphone unless you want to provide input.	Press control and click on this link to bring up Microsoft Teams through the internet. You can view the screen share and communicate through your computer's speakers and microphone
Computers without audio capabilities, or audio that is not working	Join Microsoft Teams Meeting (888) 404-2493 Passcode: 228 349 066# Please mute your phone unless you want to provide input.	Follow instructions above Turn down your computer speakers, mute your computer microphone, and dial the toll-free number through your phone and enter the passcode
Phone only	(888) 404-2493 Passcode: 228 349 066# Please mute your phone unless you want to provide input.	Dial the toll-free number and enter the passcode

Remote Access Guidelines

- This meeting will open 30 minutes prior to the official meeting start time to allow users to **test equipment** and ensure communication methods are working
- If you dial in through your phone, mute your microphone and turn down your speakers to **avoid feedback**
- Unless you are speaking, please mute your computer or device microphone and phone microphone to **minimize background noise**
- UNRBA meetings are open meetings; however, for this remote access meeting, please **limit the discussion to UNRBA Board Members** to facilitate moving through action items

January 20, 2021 UNRBA Board Agenda

- **Opening—Sig Hutchinson, Chair**
- **Action Items**
 - Approval of November 18, 2020 Meeting Minutes
 - Approval of the Treasurer's Report
 - Officer Elections for 2021
 - Request to Submit Comments on Proposed Chlorophyll-a Site Specific Standards for High Rock Lake
- **Administrative Items**
 - Prospective Budget for FY2022 with Additional Budget Item
 - Personnel Committee Report
- **Status Reports and Informational Items**
 - Stage I Existing Development Interim Alternative Implementation Approach Program Development
 - Modeling and Regulatory Support (MRS) Status
 - DWR 2020 Integrated Report and 303(d) Assessments
 - Statistical Model Development and Regulatory Options for the Chlorophyll-a Water Quality Standard
 - Ongoing DEQ Discussions/Issues
- **Closing Comments**

Opening—Sig Hutchinson

Opening

- Introductions, review of new Board appointments, and announcements
- Roll call for quorum
- Identification of any conflicts
- Review and approval of agenda

Action Items

**Approval of November 18, 2020
Meeting Minutes**

Approval of the Treasurer's Report

Balance Forward: (per bank statement - 10/31/2020)	Checking	\$	223,210.83
	Savings		1,264,892.38
Debits:			
McGill Asso. (Oct & Nov 2020 Invs)		\$	28,238.64
Brown & Caldwell (MRS, FY 20, Oct & Nov, 2020 Invs)			42,033.13
Brown & Caldwell (MRS, FY 21, Oct & Nov, 2020 Invs)			137,821.48
Sauber Water Quality Consulting (Oct & Nov 2020 Invs)			7,140.00
Barnes & Thornburg (Oct & Nov 2020 Invs)			8,766.00
JMW Bookkeeping (990 Tax Return)			630.00
MFG Consulting, LLC (Oct & Nov, 2020 Invs)			516.00
			<hr/>
Total Debits		\$	225,145.25
Credits:			
Interest (checking)		\$	39.42
Interest (savings)			1,532.90
Transfer from Savings to Checking			150,000.00
			<hr/>
Account Balance (per bank statement - 12/31/2020)	Checking	\$	148,105.00
	Savings		1,116,425.28
			<hr/>
Total UNRBA Account Balance :		\$	1,264,530.28
			<hr/>
Outstanding invoices/deposits in process since the close of bank statement (12/31/2020):			
Debits:			
McGill Asso. (December 2020 Inv)		\$	-
HDR, Inc. (December, 2020 invoice)			408.00
Brown & Caldwell (MRS, FY 21, December, 2020 Inv)			-
MFG Consulting, LLC (December, 2020 Inv)			140.99
Sauber Water Quality Consulting (December 2020 Inv)			1,400.00
Phthisic Consulting, Inc. (Oct, Nov, & Dec 2020 Invs)			1,092.50
Barnes & Thornburg (Fy 21 Invs)			5,016.00
Credits:			
Transfer from Savings to Checking		\$	-
			<hr/>
Current Account Balances:	Checking		146,156.01
	Savings		1,116,425.28
			<hr/>
Total UNRBA Account Balance :		\$	1,262,581.29
			<hr/>

Officer Elections for 2021

- The Nominating Committee, which was appointed at the November 18, 2020 Board meeting, includes
 - Bill McKellar
 - Carolyn Bachl
 - Terry Hackett
- The Nominating Committee will provide recommendations for the officers of the UNRBA for 2021

Board of Directors elect officers during the January 2021 Board Meeting as required in the UNRBA Bylaws.

Request to Submit Comments on behalf of the UNRBA on Proposed Chlorophyll-a Site Specific Standards for High Rock Lake (HRL)

Date	Task
March 2021	DWR to request that the Water Quality Committee (WQC) approve HRL site-specific standard for chlorophyll-a (HRL standard) to go to the Environmental Management Commission (EMC) in May
May 2021	DWR to request that the EMC approve HRL standard to go to Public Hearing/Comment
Summer 2021	Public Comment Period
November 2021	EMC approval of HRL standard
December 2021	Rules Review Commission approval
February 2022	Submission of HRL standard to EPA for approval
July 2023	Request EMC approval of 2024 303(d) Listing and Delisting Methodology (including methodology for new HRL standard)

The Executive Director requests authorization from the Board to submit comments to the WQC and the EMC on the proposed site-specific chlorophyll-a standard for High Rock Lake prior to the March WQC meeting.

Administrative Items

Prospective UNRBA Membership Fee Schedule for FY2022

\$ 1,152,850.00 Projected Revenue

Date: 11/10/2020

Member	Base Rate (10%)	2019 Raw Water Demands (50%)			Jurisdiction's Land Area (40%)			FY 2021-22 Fees (Proposed)	FY 2020-21 Fees (Current)
		Member's Sub-Share of Cost	2018 Average Raw Water Demand (MGD)	\$ 576,425.00 (%)	Member's Sub-Share Cost	Jurisdiction's Acres Within Watershed	\$ 461,140.00 (%)	Member's Sub-Share Cost	Total Membership Fees
Town of Butner	\$ 8,868.08	NA			8,822	1.8	\$ 8,252.92	\$ 17,121.00	\$17,121.00
City of Creedmoor	8,868.08	NA			3,544	0.7	3,315.39	12,183.47	12,183.47
City of Durham	8,868.08	25.810	36.4	\$ 209,977.41	31,963	6.5	29,901.16	248,746.65	259,322.81
Durham County	8,868.08	NA			98,520	20	92,164.76	101,032.84	101,032.84
Franklin County	8,868.08	NA			5,284	1.1	4,943.14	13,811.22	13,811.22
Granville County	8,868.08	NA			71,698	14.5	67,072.97	75,941.05	75,941.05
Town of Hillsborough	8,868.08	1.543	2.2	12,553.09	3,713	0.8	3,473.49	24,894.66	24,194.45
Orange County	8,868.08	NA			121,896	24.7	114,032.84	122,900.92	122,900.92
Person County	8,868.08	NA			83,090	16.9	77,730.11	86,598.19	86,598.19
City of Raleigh	8,868.08	40.820	57.6	332,091.35	1,164	0.2	1,088.91	342,048.34	333,435.56
SGWASA	8,868.08	2.680	3.8	21,803.16	NA		-	30,671.24	29,408.07
Wake County	8,868.08	NA			62,339	12.6	58,317.69	67,185.77	67,185.77
Town of Wake Forest	8,868.08	NA			905	0.2	846.62	9,714.70	9,714.70
Total	\$ 115,285.04	70.853	100	\$ 576,425.01	492,938	100	\$ 461,140.00	\$ 1,152,850.05	\$1,152,850.05

Additional Budget Items for FY2022 - financial audit as required by the UNRBA Bylaws and the UNRBA Policy and Procedures Manual at least once every three years and any revisions recommended by the Personnel Committee approved by the Board.

Personnel Committee Report

Status Reports and Informational Items

Stage I Interim Alternative Implementation Approach (IAIA) Program Development

UNRBA IAIA Program Status

- At the November 18, 2020 meeting, the Board Directors
 - Reviewed the proposed changes to the UNRBA Bylaws to allow for the IAIA
 - Provided updates on discussions at the local level
 - Indicated willingness to participate in the IAIA at the local level (all jurisdictions will likely participate)
- In preparation for an anticipated implementation date of July 1, 2021, the PFC has begun discussing elements of the annual reports to be submitted by individual local governments participating in the program
 - An IAIA Reporting Workgroup was formed at the December 1, 2020 PFC meeting
 - The workgroup met virtually on December 14, 2020 to discuss reporting elements
 - The PFC reviewed their recommendations at the January 5, 2021 PFC meeting.

DWR Model Program Status

- DWR has drafted the Falls Lake Model Program to allow for group compliance (the IAIA) with Stage I Existing Development Rules
 - UNRBA reviewed multiple drafts of the document
 - DWR revised in response to UNRBA input
 - DWR presented the draft Model Program to the EMC and its WQC on January 12 and 13, 2021
- The EMC voted to approval of the Model Program during its meeting on January 13th which starts the six month “clock” for Stage I Existing Development implementation to begin under one of two options
 - The IAIA (group compliance)
 - Individual local program

Prospective Schedule for Adoption of Program

- March 17, 2021 Board meeting - the UNRBA Board will review and consider approval of final proposed revisions to two documents
 - IAIA Program Document
 - UNRBA Bylaws
- June 2021 - UNRBA IAIA Program Document to be submitted to the EMC as the group compliance program for implementation of Stage I Existing Development Rules
- Program start July 1, 2021

Local Government Planning

- Project identification
- Budgeting
- Outreach to potential partners
- Individual reporting
- Data and information management

Modeling and Regulatory Support for the Re-examination of Stage II

Modeling Status

- Watershed Analysis Risk Management Framework (WARMF) model
 - Flow, sediment, and total organic carbon calibrated for the rivers and streams that enter Falls Lake
 - Nutrient calibration is underway
 - Model code has been modified to simulate many types of onsite wastewater treatment systems
 - WARMF Lake model component is under development
- Environmental Fluid Dynamics Code (EFDC) Falls Lake Model (more complex than WARMF Lake model)
 - Modelers are refining the calibration of water levels and temperatures in Falls Lake
 - Water quality calibration will begin when the watershed model has been calibrated for water quality

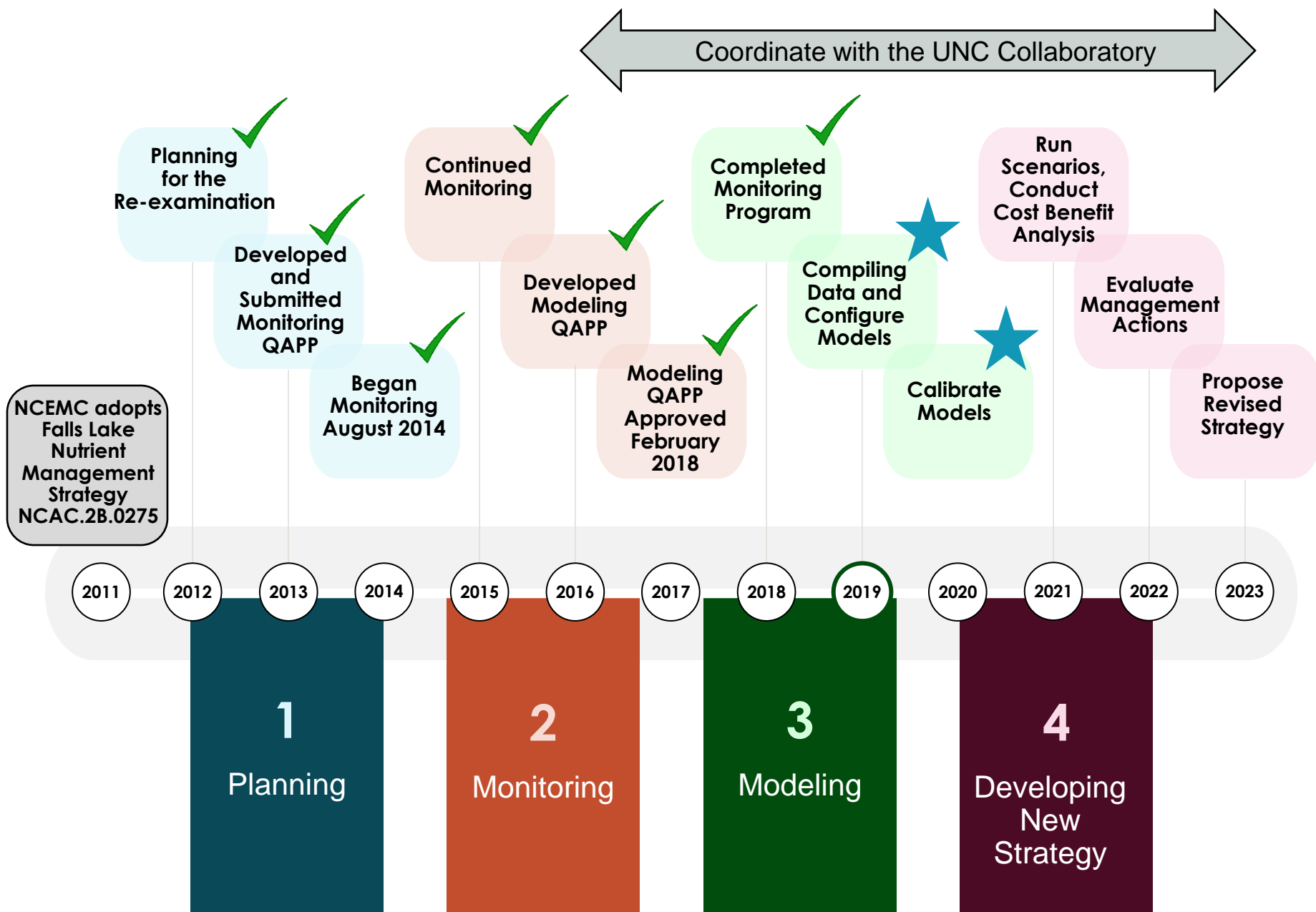
Formation of Two Scenario Workgroups

- Once the models are calibrated, they can be used to answer questions by testing different “scenarios”
- The MRSW and PFC have formed two workgroups to provide input to the modeling team on
 - Reporting formats for comparing scenarios
 - A selection process for choosing scenarios and a preliminary list of scenarios to evaluate

Reporting Status for MRS

- 319 report to describe revisions to watershed model code is being reviewed by the Executive Director
- Final Transition Monitoring technical memorandum is being finalized
- Modeling team is responding to Executive Director comments on the draft watershed hydrologic calibration modeling report
- Reporting regarding water quality inputs for the watershed model and hydrodynamic calibration of the EFDC model are in progress

Multi-year UNRBA Stage II Re-examination Timeline



DWR 2020 Water Quality Assessments Integrated Report and 303(d) list

The DWR draft Integrated Water Quality Assessment Report and the 303(d) list for 2020 were anticipated for Public Review in June 2020.

DWR now anticipates public releases for these two documents during the month of January 2021.

Statistical Model Development and Regulatory Options for the Chlorophyll-a Water Quality Standard

Statistical Model Development and Regulatory Options for the Chlorophyll-a Water Quality Standard

- On October 4th the UNRBA legal workgroup discussed the FY2021 scope of work with Barnes and Thornburg relative to their legal support to the UNRBA
- This session included the statistical modeling team and plans for utilizing the statistical modeling effort to support the development of relationships between the water quality parameters and use support
- This effort will continue in parallel with the Re-examination effort and represents an important consideration for developing recommendations for a revised Falls Lake management strategy

Ongoing DEQ Discussions/Issues

Ongoing Discussions/Issues

- President Elect's appointment of DEQ Secretary Michael S. Regan as EPA Administrator
- Communications
 - Joint Symposium with the UNC Collaboratory
 - Need for UNRBA/local leader coordination to expand communications with external stakeholders
- Scheduling meetings with DWR
 - Review the 2019 Monitoring Program Report
 - Discuss modeling efforts
- Re-examination, NC Numeric Nutrient Criteria Development Plan, the work of the Scientific Advisory Council, and the evaluation by the UNC Collaboratory
- Engagement of DEQ in the technical stakeholder sessions and MRSW meetings to secure input to modeling as it is being developed
- Continue discussions on the MOA—reengage UNRBA on the goal of the MOA and work to reconnect with DEQ

Closing Comments

**Next UNRBA Board Meeting is Scheduled
for March 17, 2021
Remote Meeting**

**The location and access for this meeting
may be modified at a later date.**