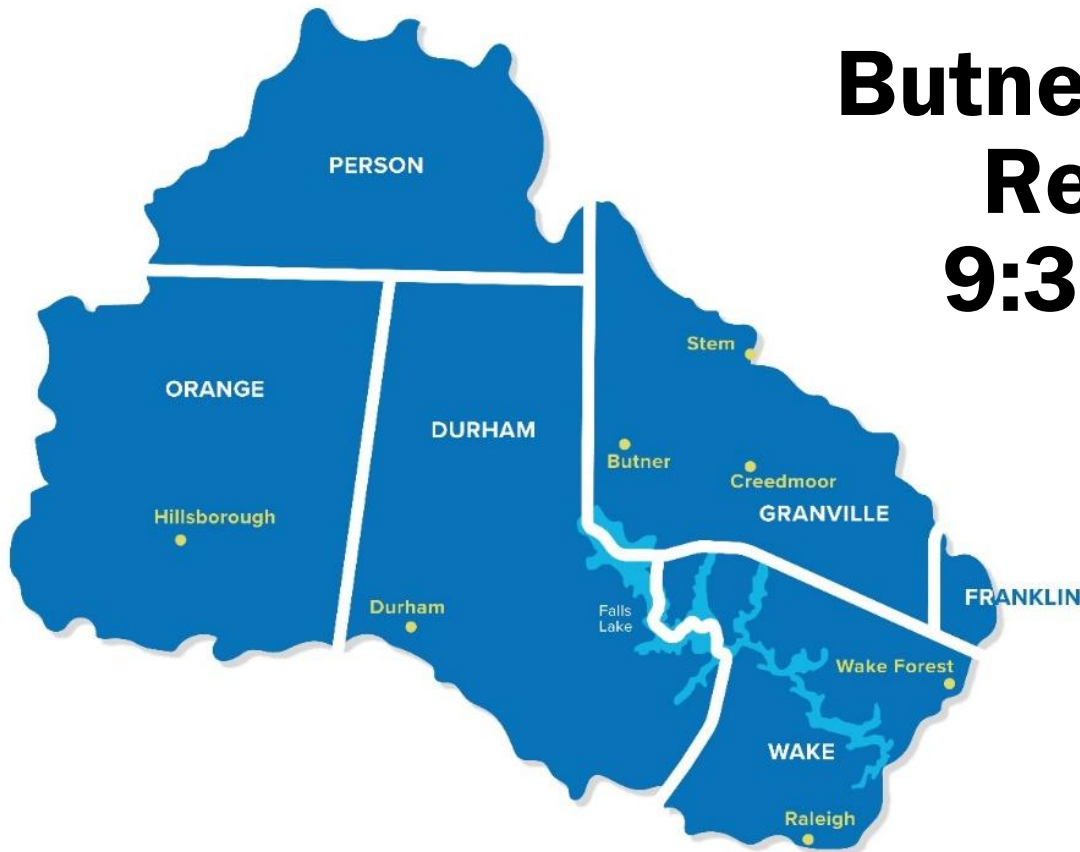




# UNRBA Board Meeting June 17, 2026

**Butner Town Hall with  
Remote Option  
9:30 AM to Noon**



# June 17, 2026, UNRBA Board Agenda

- **Opening—Wendy Jacobs, Chair**
- **Action Items**
  - Approval of May 20, 2026, Meeting Minutes
  - Approval of the Treasurer’s Report
  - Approval of FY2027 Contracts and Letters of Engagement
- **Status Reports and Informational Items**
  - Status of the Falls Lake Rules Readoption Process
  - Reminder for IAIA Year-End Reports
  - Continued Rule Development for Jordan Lake and High Rock Lake Watersheds
  - Communications Support
  - Ongoing Discussions/Issues
- **Closing Comments**

**Opening**

# Opening

- Introductions and announcements
- Roll call for quorum
- Identification of conflicts
- Review and approval of agenda
- Review voting hierarchy established in Bylaws
  - Primary Director
  - 1<sup>st</sup> Alternate if Primary Director is absent
  - 2<sup>nd</sup> Alternate if Primary Director and 1<sup>st</sup> Alternate are absent

# **Action Items of UNRBA Board of Directors**

**Approval of**  
**May 20, 2026, Meeting Minutes**

# Approval of the Treasurer's Report

<b>Balance Forward: (per bank statement - 04/30/2026)</b>		Checking	\$	353,611.52
		Savings		1,312,857.00
<b>Debits:</b>				
	Winston Williams Creech & Evans		\$	950.00
	Brown & Caldwell		\$	40,560.72
	Brown & Caldwell		\$	33,975.74
	Smith Law		\$	14,576.00
	McGill Associates		\$	12,489.57
				<hr/>
		Total Debits	\$	102,552.03
<b>Credits:</b>				
	Interest (checking)		\$	34.40
	Interest (savings)			3,349.16
<b>Account Balance (per bank statement - 05/31/2026)</b>		Checking	\$	251,093.89
		Savings		1,316,206.16
				<hr/>
<b>Total UNRBA Account Balances:</b>			<b>\$</b>	<b>1,567,300.05</b>
<b>Outstanding invoices/deposits in process since the close of bank statement (05/31/2026):</b>				
<b>Debits:</b>				
	WSP, Inc		\$	1,710.00
	Barnes & Thornburg		\$	28,414.24
	Winston Williams Creech & Evans		\$	950.00
<b>Credits:</b>				
<b>Current Account Balances:</b>		Checking	\$	220,019.65
		Savings	\$	1,316,206.16
				<hr/>
<b>Total UNRBA Account Balance :</b>			<b>\$</b>	<b>1,536,225.81</b>

# Legal Fund Balance

\$588,204.92 24/25	YE
<u>\$100,000.00 25/26</u>	<u>Allotment</u>
\$688,204.92	Total
\$ (143,856.99)	B&T contract
<u>\$ (150,000.00)</u>	<u>Smith Anderson contract</u>
<b>\$394,347.93</b>	<b>Balance</b>

# **Contracts and Agreements For FY2027**

# Overview FY2027 Contracts

- The Board approved the budget for FY2027 and sources of funding proposed by the PFC at their March meeting
- Two contracts and two letters of engagement to support the UNRBA efforts in FY2027
  - Brown and Caldwell for the Modeling and Regulatory Support and Communications Support Project
    - Includes subcontractors
  - Jones & Company for financial services
    - Bought current firm (WWCEJ & Company)
    - Staff working for UNRBA will remain engaged
  - The Executive Director Services contract consistent with previous Board approval

# FY2027 Board Approved Budget Expenditures

Contracts and Services	FY27
<b>Executive Director Services</b>	<b>326,700</b>
<b>Legal Support Fund</b>	<b>100,000</b>
<b>Technical Contractor and Subconsultants:</b>	<b>335,000</b>
<i>Finalize Nutrient Management Strategy for Falls Lake</i>	70,000
<i>Regulatory Support, Planning, Prelim. Dev. of Implementation Plan</i>	70,000
<i>Support Development of a Site-specific Chlorophyll-a Criteria</i>	25,000
<i>Support Implementation of 2011 Rules, Compare Programs</i>	15,000
<i>Communications: Meetings, Workshops, Status Meetings</i>	60,000
<i>Monitoring Program (planning, coordination, implementation)</i>	15,000
<i>Technical Support, Data Analysis, and Reporting</i>	60,000
<i>Project Management</i>	20,000
<b>Subject Matter Expert - Site-specific chlorophyll-a criteria</b>	<b>\$25,000</b>
<b>Accounting and financial services</b>	<b>13,650</b>
<b>Administrative costs, insurance, tax forms, etc.</b>	<b>12,465</b>
<i>Website improvements</i>	3,500
<i>Website hosting and maintenance</i>	5,500
<i>UNRBA Audit</i>	
<i>Insurance (two policies)</i>	2,310
<i>Lobbying and registration fees and costs</i>	1,155
<b>Total of potential contracts:</b>	<b>812,815</b>
<b>Dues assume MRS&amp;CS rollover of \$160,000 (FY25+26 combined) and \$43,415 from unallocated funds:</b>	<b>609,400</b>



★ Contracts to be considered by the Board June 17, 2026.



# FY2027 Executive Director Services Contract

- Contract with McGill Associates approved by the Board during the March 2026 Board meeting
  - Executive Director compensation (\$185/hour) \$299,700
  - Travel and other reimbursable support costs \$24,000
  - Other support services \$3,000
  - **Total: \$326,700**
- Board vote on approval of the FY2027 Executive Director Services Contract for \$326,700 and authorize Chair to sign on behalf of the Board

# FY2027 Modeling and Regulatory Support and Communication Support Contract

- Managed by Brown and Caldwell with four potential subcontractors
  - KDV Decision Analytics – Statistical/Bayesian Modeling
  - Brindle Creek – Economic Evaluations
  - Dynamic Solutions – EFDC Lake Modeling
  - Systech Water Resources – WARMF Modeling
- Total MRS&C contract is \$335,000
  - Brown and Caldwell \$310,000
  - Brindle Creek – \$15,000
  - KDV Decision Analytics - \$10,000
  - Subcontractors will be allocated budget as directed by the Executive Director from the Brown and Caldwell budget
  - The PFC reviewed this budget and contract and recommended the Board approve

Board vote on approval of the FY2027 Modeling and Regulatory Support and Communication Support Contract and authorize Chair to sign on behalf of the Board

# FY2027 Accounting and Financial Services Letters of Engagement

- Jones & Company (previously WWCEJ & Company) provides accounting and financial services to the UNRBA
- Two engagement letters:
  - Preparation of the UNRBA 990 tax form: \$980
  - Accounting and financial services including preparation of 1099 forms: \$11,760
- Board vote on approval of the two FY2027 Jones and Company engagement letters to provide accounting, financial services, and preparation of the UNRBA 990 tax form and authorize Chair to sign on behalf of the Board

# **Status Reports and Informational Items**

# **Status of the Falls Lake Rules Readoption Process**

# Impacts of the Reexamination Effort

- Provides a well-developed, scientific evaluation of the lake and watershed that clearly shows the impossibility of the current rules
- Modeling was accepted by DWR as following established QA/QC procedures for development
- Approval of the modeling by the EMC is highly likely—however, the reductions required under the current standard evaluation process are way beyond what is reasonable or possible
- The work established that there is no basis for considering the lake “impaired” because all uses are being met
- The progress on most of the rules in our discussions with DWR would not be possible without the results of the Reexamination
- The UNRBA has provided extensive additional justification for rules modification and revised WWTP loading requirements

# Status of Falls Rules Readoption

- DWR provided updated rule sections on April 22<sup>nd</sup>
- UNRBA PFC and the Board have reviewed and discussed at their May meetings and the June PFC meeting with DWR staff present
- DWR is revising the drafts in response to this input and will set up meetings to discuss each rule
- Language is close on Purpose and Scope and Existing Managed Lands Rules
- More work is needed on the New Development Rule
  - Revised SNAP tool will not be ready before rules are readopted
  - UNRBA has asked DWR to approve soil improvement practice
- Additional work is needed on Wastewater Rule, and the EMC counsel and Executive Director are also reviewing

# Overview of Financial Impacts of Revised Rules

- Fiscal comparisons are required relative to the current rule framework, which includes the Stage II requirements
- The work of the UNRBA and discussions with DWR have resulted in draft rules that are less costly than the Stage I and Stage II requirements
- More work is needed, particularly for the Wastewater Rule to ensure fair, equitable requirements that consider limits of technology and relative proportion of loading to Falls Lake

# Existing Development/Managed Lands – Stage I

- Stage I requires all jurisdictions to “roll back” nutrient loading to 2006 levels
  - DWR fiscal note estimated 10-year, Stage I cost of approximately \$225 million, or
  - \$22.5 million per year
- UNRBA worked with DWR to develop the Stage I Interim Alternative Implementation Approach (IAIA)
  - \$1.5 million per year
- This represents a savings of \$210 million over ten years

# Existing Development/Managed Lands – Stage II

- Stage II requires upper jurisdictions (draining upstream of Highway 50) to reduce TN by 40% and TP by 77% relative to 2006 levels
  - DWR fiscal note estimated 15-year, Stage II cost of approximately \$776 million, or
  - \$51 million per year
- UNRBA worked with DWR to continue the IAIA in the future as a compliance alternative for Stage II
  - \$1.5 million per year
- This represents a savings of \$753 million over fifteen years

# Wastewater Rule

- Stage I requires 20% TN and 40% TP loading reductions from 2006 loading levels
  - DWR fiscal note assumed all plants would upgrade to BNR (Durham already had upgraded, but this was not factored into the costs)
  - DWR fiscal note estimated 10-year, Stage I cost of approximately \$249 million, or ~\$25 million per year for the three facilities
- Stage II requires 40% TN and 77% TP loading reductions from 2006 loading levels
  - DWR fiscal note assumed that membrane filtration and reverse osmosis units will be added incrementally before 2031
  - DWR fiscal note estimated Stage II cost of approximately \$229 million

# Wastewater Rule, continued

- DWR fiscal note assumes Stage I plus Stage II costs of ~\$500 million
- DWR has offered the wastewater treatment plants some relief (e.g., TN allocation at baseline and TP at Stage I allocation coupled with purchase of 100,000 TN credits)
  - This option would cost over \$50 million to comply with TN allocation (just to use your full permitted capacity)
  - Highly uncertain that 100,000 pounds of permanent nitrogen credits will be available (does not include uncertainty factors applied to non-point source credits)
  - Costs an additional \$500,000 per year in chemical costs to achieve TP allocation

# Wastewater Rule, continued

- The UNRBA has proposed from the outset more reasonable WWTP requirements:
  - Dischargers “be allocated at” full permitted flow at best achievable technology (BAT)
  - Consistent with other nutrient management strategies in the state
  - Consideration for the small relative contribution of nutrient loading to Falls Lake from WWTPs (5 to 10%)
  - Consideration for the reductions achieved in the watershed and estimated for the lake sediments (internal loading) since 2006
  - Consideration for the small number of sewer accounts and high poverty levels within the service areas of these WWTPs

# Approximate Costs (\$Million) of Current Existing Development and Wastewater Rules

Jurisdiction	Stage I ED costs (all jurisdictions)	Stage II ED costs (upper jurisdictions)	Stage I WW costs (3 majors)	Stage II WW costs (3 majors)	Total of Ex D and WW (Stage I+II)
Butner	\$ 9.8	\$ 38.7	\$ -	\$ -	\$ 48.4
Creedmoor	\$ 3.2	\$ 12.5	\$ -	\$ -	\$ 15.7
Durham_County	\$ 41.4	\$ 164.4	\$ -	\$ -	\$ 205.8
Durham_City	\$ 87.6	\$ 347.8	\$ 174.7	\$ 160.7	\$ 770.8
<i>Franklin_County</i>	\$ 1.0	\$ -	\$ -	\$ -	\$ 1.0
Granville_County	\$ 14.2	\$ 56.5			\$ 70.7
Hillsborough	\$ 4.4	\$ 17.4	\$ 26.2	\$ 24.1	\$ 72.1
Orange_County	\$ 21.9	\$ 86.7	\$ -	\$ -	\$ 108.6
Person_County	\$ 11.2	\$ 44.3	\$ -	\$ -	\$ 55.5
<i>Raleigh</i>	\$ 1.5	\$ -	\$ -	\$ -	\$ 1.5
SGWASA			\$ 48.1	\$ 44.2	\$ 92.2
Stem	\$ 0.3	\$ 1.2	\$ -	\$ -	\$ 1.4
<i>Wake_County</i>	\$ 25.8	\$ -	\$ -	\$ -	\$ 25.8
<i>Wake Forest</i>	\$ 1.2	\$ -	\$ -	\$ -	\$ 1.2
<b>TOTAL</b>	<b>\$ 225</b>	<b>\$ 776</b>	<b>\$ 249</b>	<b>\$ 229</b>	<b>\$ 1,479</b>

Note: Roxboro has a portion of the Ex D load and associated costs that are not included in this table.

Stage I Existing Development (ED) costs are apportioned by the relative amount of TN and TP loading from existing development simulated by the UNRBA watershed model for all jurisdictions. Stage II ED costs are apportioned the same way, but only for jurisdictions draining upstream of Highway 50 (not italicized). Wastewater costs are apportioned by percent permitted flow for the three major plants.

# Approximate Costs (\$Million) of Current Existing Development and Wastewater Rules Compared to Investment in the Re-examination

Jurisdiction	Total of Ex D and WW (Stage I+II)	Approximate Investment in Re-examination	Ratio of Total Rule Cost to Investment in the Re-
Butner	\$ 48.4	\$ 0.16	307
Creedmoor	\$ 15.7	\$ 0.11	141
Durham_County	\$ 205.8	\$ 0.94	220
Durham_City	\$ 770.8	\$ 2.40	322
<i>Franklin_County</i>	\$ 1.0	\$ 0.13	7.8
Granville_County	\$ 70.7	\$ 0.72	98
Hillsborough	\$ 72.1	\$ 0.23	316
Orange_County	\$ 108.6	\$ 1.17	93
Person_County	\$ 55.5	\$ 0.82	68
<i>Raleigh</i>	\$ 1.5	\$ 3.29	0.5
SGWASA	\$ 92.2	\$ 0.26	360
Stem	\$ 1.4	\$ 0.08	17
<i>Wake_County</i>	\$ 25.8	\$ 0.63	41
<i>Wake Forest</i>	\$ 1.2	\$ 0.09	14
<b>TOTAL</b>	<b>\$ 1,479</b>	<b>\$ 11.00</b>	<b>134</b>

Stage I Existing Development (ED) costs are apportioned by the relative amount of TN and TP loading from existing development simulated by the UNRBA watershed model for all jurisdictions. Stage II ED costs are apportioned the same way, but only for jurisdictions draining upstream of Highway 50 (not italicized). Wastewater costs are apportioned by percent permitted flow for the three major plants.

# **Status of Extension of IAIA Reminder for Year-End Reports**

# Status of IAIA Extension

- Leadership from DWR has confirmed with their lawyers and the Chair and Executive Director of the EMC that the EMC does not need to approve extension of the Stage I Existing Development Interim Alternative Implementation Approach (IAIA) Program.
- The Executive Director began requesting a letter from the DWR Director to formalize the approval in November of 2025 and has followed up several times requesting the letter before the program ends June 30, 2026

# Reminder for Year-End Reports

- The fifth year of the IAIA ends June 30, 2026.
- IAIA participants are required to submit annual reports to DWR (John Huisman) by September 30<sup>th</sup>
- The PFC discussed the process for providing these annual reports to DWR with a copy to Forrest and Alix to compile the UNRBA Annual Summary Report
- The UNRBA Annual Summary Report will be reviewed and considered for approval by the UNRBA Compliance Group Committee at their November 18, 2026, meeting.
- The UNRBA Annual Summary Report is due to DWR by November 30<sup>th</sup> each year
- The spreadsheet-based reporting template is available under the “IAIA” heading on the UNRBA website Resource Library: <https://unrba.org/resource-library>.

# **Continued Rule Development for Jordan Lake and High Rock Lake Watersheds**

# **Continued Rule Development for Jordan Lake and High Rock Lake Watersheds**

- We continue to monitor DWR's draft proposal for nutrient management rules for the High Rock Lake Watershed and their rules readoption process for the Jordan Lake Watershed

# Communications Support

# Communications Outreach and Preparation to Support Rule Readoption

- Reviewing existing information for jurisdictional use in developing presentations and handouts (see next slides)
  - [Infographic](#)
  - [Fact Facts](#)
  - Presentation materials as requested to address meeting topic
  - Jurisdictions can identify additional meetings or materials when support from the UNRBA team is needed
- Members can join DWR's [list serve for Falls Lake](#)
- Continue to coordinate with DWR
- Additional opportunities for public input during the formal EMC process
- The “open” nature of all UNRBA meetings remains a key component of a transparent communications approach.
- Please speak up about ideas and opportunities to communicate our work and the importance of our recommendations on revised rules and a site-specific standard.
  - Raleigh District D meeting June 20<sup>th</sup>

# Additional Information and Activities

- Status updates to the EMC
- Planning workshop for members on rule implementation and best practices
- Planning a meeting with staff from the NC Office of State Budget Management
- Meeting with EPA

# Ongoing Discussions/Issues

# Ongoing Discussions/Issues

- NCSU streambank erosion loading website and spatial data available soon
- Upcoming presentation by NC State University on the UNRBA and Jordan Lake One Water research study
- Impacts on implementation of nutrient requirements in light of PFAS/PFOS and other emerging requirements on wastewater management costs to local governments

# Closing Comments

**Next UNRBA PFC Meeting  
August 4, 2026  
No PFC Meeting in July  
In Person (Butner Town Hall) or Virtual  
9:30 AM to Noon**

**Next UNRBA Board Meeting  
September 16, 2026  
Butner Town Hall  
9:30 AM to Noon**