

BOARD OF DIRECTORS

Regular Meeting of the Board of Directors of the Rivanna Water & Sewer Authority

DATE: JUNE 25, 2024

LOCATION: Rivanna Administration Building (2nd Floor Conference Room),
695 Moores Creek Lane, Charlottesville, VA 22902

TIME: 2:15 p.m.

AMENDED AGENDA ITEMS 8 (f) and (i)

1. CALL TO ORDER

2. AGENDA APPROVAL

3. MINUTES OF PREVIOUS BOARD MEETING ON MAY 28, 2024

4. RECOGNITION

5. EXECUTIVE DIRECTOR'S REPORT

6. ITEMS FROM THE PUBLIC

Matters Not Listed for Public Hearing on the Agenda

7. RESPONSES TO PUBLIC COMMENTS

8. CONSENT AGENDA

a. Staff Report on Finance

b. Staff Report on Operations

c. Staff Report on CIP Projects

d. Staff Report on Administration and Communications

e. Staff Report on Wholesale Metering

f. Staff Report on Drought Monitoring – Amended

g. Approval of FY 24-28 and FY 25-29 Capital Improvement Plan Amendment – Rivanna Pump Station Restoration

- h. Approval to Amend Professional Engineering Services Work Authorization - Central Water Line Project - Michael Baker International*
- i. Request for Authorization to Declare a Drought Watch, Warning or Emergency*

9. OTHER BUSINESS

- a. Presentation: Sugar Hollow Reservoir Gate Restoration Update
Victoria Fort, P.E., Senior Civil Engineer*
- b. Presentation: Rivanna Pump Station Submergence: Causation Report
Jennifer Whitaker, P.E., Director of Engineering and Maintenance*
- c. Presentation: PFAS~Regulatory and Class-Action Litigation Update
David Tungate, Director of Operations and Environmental Services*

10. OTHER ITEMS FROM BOARD/STAFF NOT ON THE AGENDA

11. CLOSED MEETING

12. ADJOURNMENT

GUIDELINES FOR PUBLIC COMMENT AT RIVANNA BOARD OF DIRECTORS MEETINGS

If you wish to address the Rivanna Board of Directors during the time allocated for public comment, please raise your hand or stand when the Chairman asks for public comments.

Members of the public requesting to speak will be recognized during the specific time designated on the meeting agenda for “Items From The Public, Matters Not Listed for Public Hearing on the Agenda.” Each person will be allowed to speak for up to three minutes. When two or more individuals are present from the same group, it is recommended that the group designate a spokesperson to present its comments to the Board and the designated speaker can ask other members of the group to be recognized by raising their hand or standing. Each spokesperson for a group will be allowed to speak for up to five minutes.

During public hearings, the Board will attempt to hear all members of the public who wish to speak on a subject, but it must be recognized that on rare occasion comments may have to be limited because of time constraints. If a previous speaker has articulated your position, it is recommended that you not fully repeat the comments and instead advise the Board of your agreement. The time allocated for speakers at public hearings are the same as for regular Board meetings, although the Board can allow exceptions at its discretion.

Speakers should keep in mind that Board of Directors meetings are formal proceedings and all comments are recorded on tape. For that reason, speakers are requested to speak from the podium and wait to be recognized by the Chairman. In order to give all speakers proper respect and courtesy, the Board requests that speakers follow the following guidelines:

- Wait at your seat until recognized by the Chairman.
- Come forward and state your full name and address and your organizational affiliation if speaking for a group;
- Address your comments to the Board as a whole;
- State your position clearly and succinctly and give facts and data to support your position;
- Summarize your key points and provide the Board with a written statement, or supporting rationale, when possible;
- If you represent a group, you may ask others at the meeting to be recognized by raising their hand or standing;
- Be respectful and civil in all interactions at Board meetings;
- The Board may ask speakers questions or seek clarification, but recognize that Board meetings are not a forum for public debate; Board Members will not recognize comments made from the audience and ask that members of the audience not interrupt the comments of speakers and remain silent while others are speaking so that other members in the audience can hear the speaker;
- The Board will have the opportunity to address public comments after the public comment session has been closed;
- At the request of the Chairman, the Executive Director may address public comments after the session has been closed as well; and
- As appropriate, staff will research questions by the public and respond through a report back to the Board at the next regular meeting of the full Board. It is suggested that citizens who have questions for the Board or staff submit those questions in advance of the meeting to permit the opportunity for some research before the meeting.

The agendas of Board meetings, and supporting materials, are available from the RWSA/RSWA Administration office upon request or can be viewed on the Rivanna website.

Rev. September 7, 2022



**TO: RIVANNA WATER & SEWER AUTHORITY
BOARD OF DIRECTORS**

**FROM: BETHANY HOUCHENS, WATER RESOURCES COORDINATOR
DAVE TUNGATE, DIRECTOR OF OPERATIONS &
ENVIRONMENTAL SERVICES**

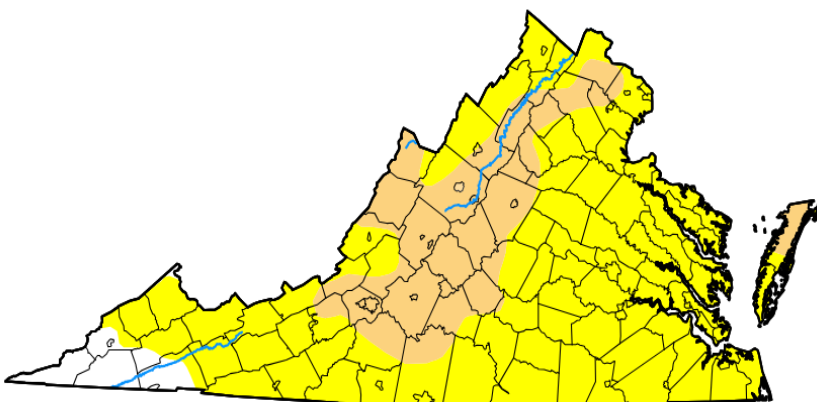
REVIEWED: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: DROUGHT MONITORING REPORT

DATE: JUNE 25, 2024

State and Federal Drought Monitoring as of June 25, 2024:

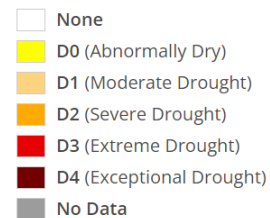
- U.S. Drought Monitoring Report: Indicates Charlottesville and most of Albemarle County is experiencing moderate drought conditions. A small portion of southeast Albemarle is listed as abnormally dry.



Map released: Thurs. June 20, 2024

Data valid: June 18, 2024 at 8 a.m. EDT

Intensity



Authors

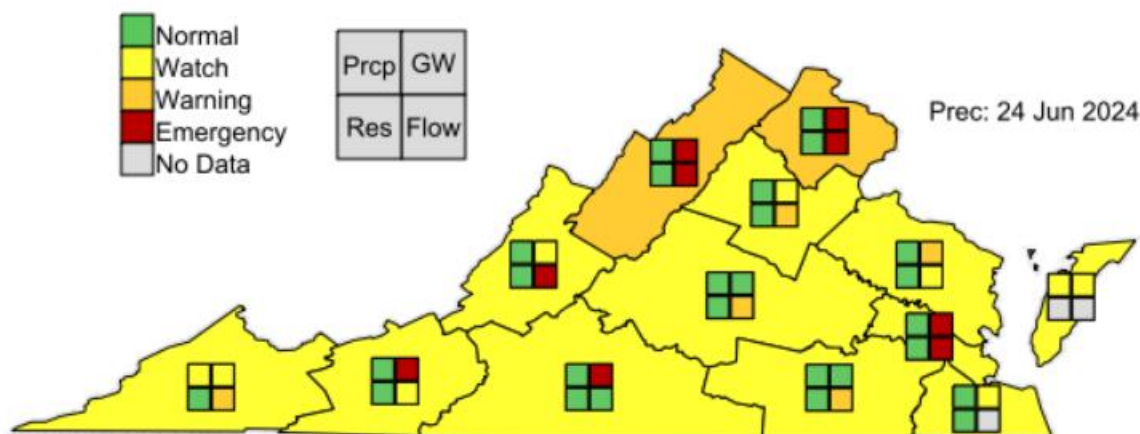
United States and Puerto Rico Author(s):

[Richard Tinker](#), NOAA/NWS/NCEP/CPC

Pacific Islands and Virgin Islands Author(s):

[Rocky Bilotta](#), NOAA/NCEI

- VDEQ Drought Status Report: Our region is listed as being in a “Watch” status for drought and a “Warning” status for streamflow. All other indicators are normal.



Precipitation & Stream Flows

Charlottesville Precipitation					
Year	Month	Observed (in.)	Normal (in.)	Departure (in.)	Comparison to Normal (%)
2021	Jan - Dec	33.82	41.61	-7.79	-19
2022	Jan - Dec	43.53	41.61	+1.92	+5
2023	Jan - Dec	26.95	41.61	-15.98	-35
2024	Jan - May	16.07	16.5	-0.43	-2.6

Source: National Weather Service, National Climatic Data Center, Climate Summary for Charlottesville, Charlottesville Albemarle Airport station

USGS Stream Gaging Station Near the Urban Area (June 19– June 25)				
Gage Name	Rolling 7-day Avg. Stream Flow		Median Daily Streamflow	
	cfs	mgd	cfs	mgd
Mechums River	14.8	9.6	46	29.8
Moormans River	10	6.5	28	18.1
NF Rivanna River	15.9	10.3	41	26.5
SF Rivanna River	26	16.8	98	63.3

Median daily flow: June 25th for the period of record (approx. 30 - 80 years)

Status of Reservoirs as of June 25, 2024

- Urban Reservoirs are 98.24 % of Total Useable Capacity
- Beaver Creek Reservoir (Crozet) is 98.2% of Total Useable Capacity
- Totier Creek Reservoir (Scottsville) is 100% of Total Useable Capacity

Drought History in Central Virginia

- Severe: 1930, 1966, 1982, 2002
- Longest: May 2007 - April 2009; 103 weeks
- Significant: every 10 -15 years
- Drought of Record: 2001- 2002; 18 months

MEMORANDUM

**TO: RIVANNA WATER & SEWER AUTHORITY
BOARD OF DIRECTORS**

FROM: WILLIAM I. MAWYER, JR., P. E., EXECUTIVE DIRECTOR

**SUBJECT: REQUEST FOR AUTHORIZATION TO DECLARE A DROUGHT
WATCH, WARNING OR EMERGENCY**

DATE: JUNE 25, 2024

Based on a recent determination by the Commonwealth of Virginia's Drought Monitoring Task Force (VDMTF) that a drought "Watch" exists for the entire state, this recommendation is to authorize the Executive Director to officially declare a Drought Watch, and after consultation with the Chair of the Board of Directors, a Drought Warning or Drought Emergency should conditions later reach the levels defined by the guidance in the regional "Drought Response and Contingency Plan". The Executive Director is authorized to provide appropriate immediate notification to the City, Albemarle County Service Authority, Albemarle County and the news media at any time a new drought stage has been declared.

Our regional "Drought Response and Contingency Plan" (DRCP) established criteria for the drought stages and the responsibility for the RWSA Executive Director to make recommendations to the Board of Directors for the official declaration of those drought stages (Watch, Warning, Emergency) as water supply conditions evolve. Recent elevated temperatures, minimal precipitation with no near-term forecast of precipitation, and the assignment of a "Watch" for our area by the VDMTF on June 24, 2024, serve as the basis for this recommendation to proactively initiate our water supply and drought management program.

Additional information includes:

- Our three reservoirs serving the Urban area are near maximum capacity and are 98% full with a total water storage of 2.6 billion gallons. However, two of those reservoirs, Ragged Mountain and Sugar Hollow, are no longer spilling over their dams. We anticipate the third reservoir and the one of most concern, South Rivanna, may stop spilling soon due to low and declining flows in the Moormans River.
- We will request our water resources management consulting firm (Hazen Engineers) to provide a probability-based analysis of drought potential to provide objective guidance, as recommended by the DRCP.
- We will coordinate meetings of the Rivanna Regional Drought Response Committee established by the DRCP including staff from the Albemarle County Service Authority,

City of Charlottesville Utilities Department, Albemarle County and RWSA to monitor ongoing drought conditions.

- On June 24, 2024, water production for the Urban system totaled 12.66 million gallons, an indication of daily water demand during hot weather in our urban community.

We will implement operational measures to minimize water usage from the South Rivanna Reservoir (SRR) and increase water usage from the Ragged Mountain Reservoir if the water level in the SRR decreases to a level of one foot below the top of the dam.

Board Action Requested

Authorize the Executive Director to officially declare a Drought Watch, and after consultation with the Chair of the Board of Directors, a Drought Warning or Drought Emergency should conditions later reach the levels defined by the guidance in the regional “Drought Response and Contingency Plan”. The Executive Director is authorized to provide appropriate immediate notification to the City, ACSA, Albemarle County and the news media at any time a new drought stage has been declared.