

**NC Drought
Management
Advisory
Council
Annual
Meeting**

Duke Energy Update

September 11, 2024

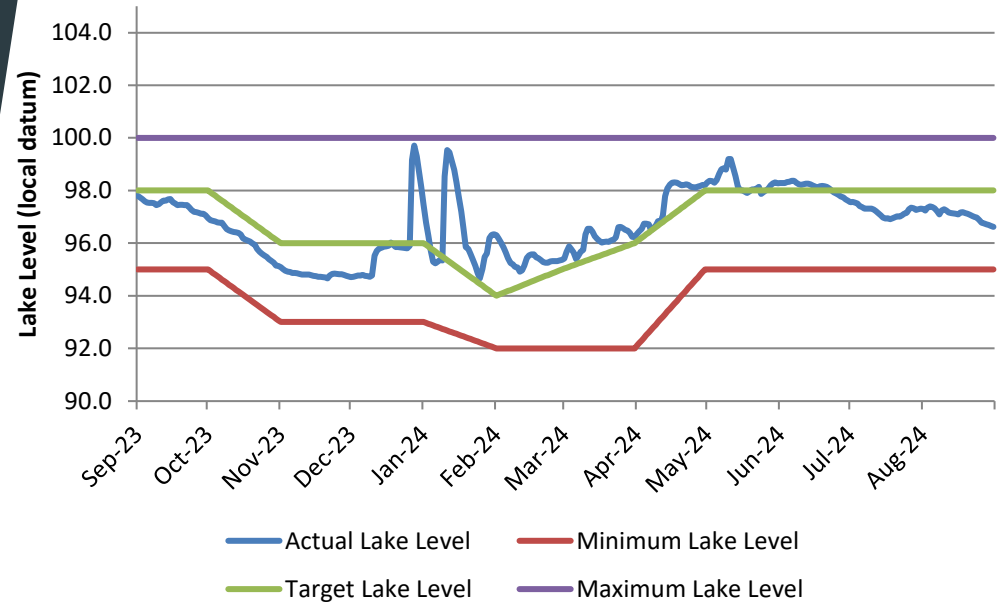
Lynne Dunn

Duke Energy Hydro Operations

Reservoir Trends Sept. 2023 - Sept. 2024

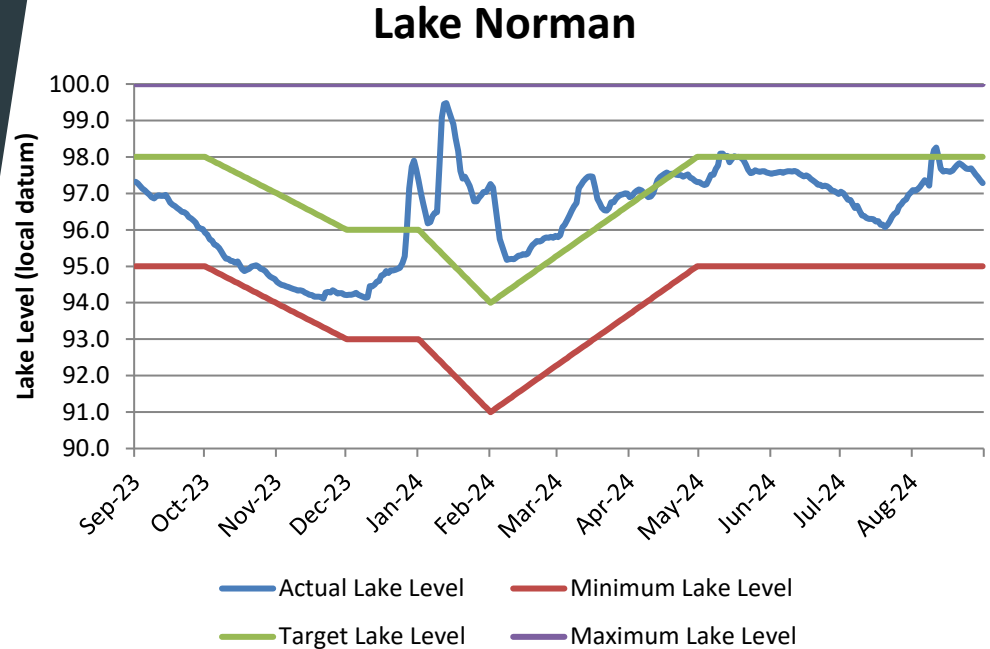
▶ 100 ft. local datum represents full pond.

Lake James



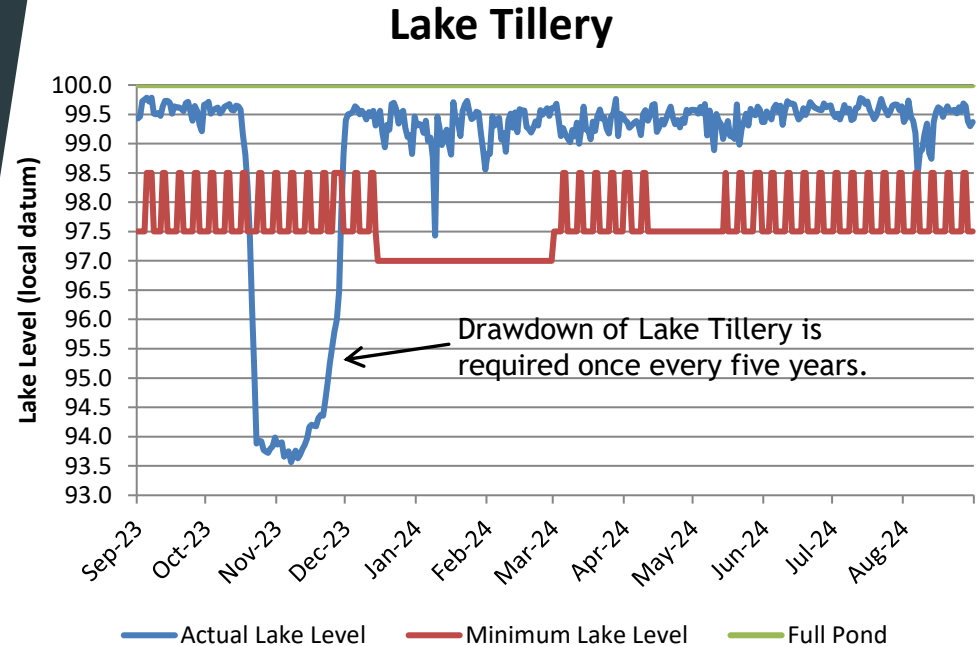
Reservoir Trends (continued) Sept. 2023 - Sept. 2024

- ▶ 100 ft. local datum represents full pond.
- ▶ Lake Norman is being managed $\frac{1}{2}$ ft. below the normal summer target of 98.0 ft. to support maintenance activities downstream at Mountain Island hydro station. Lake Norman should return to the normal summer target in 2025.



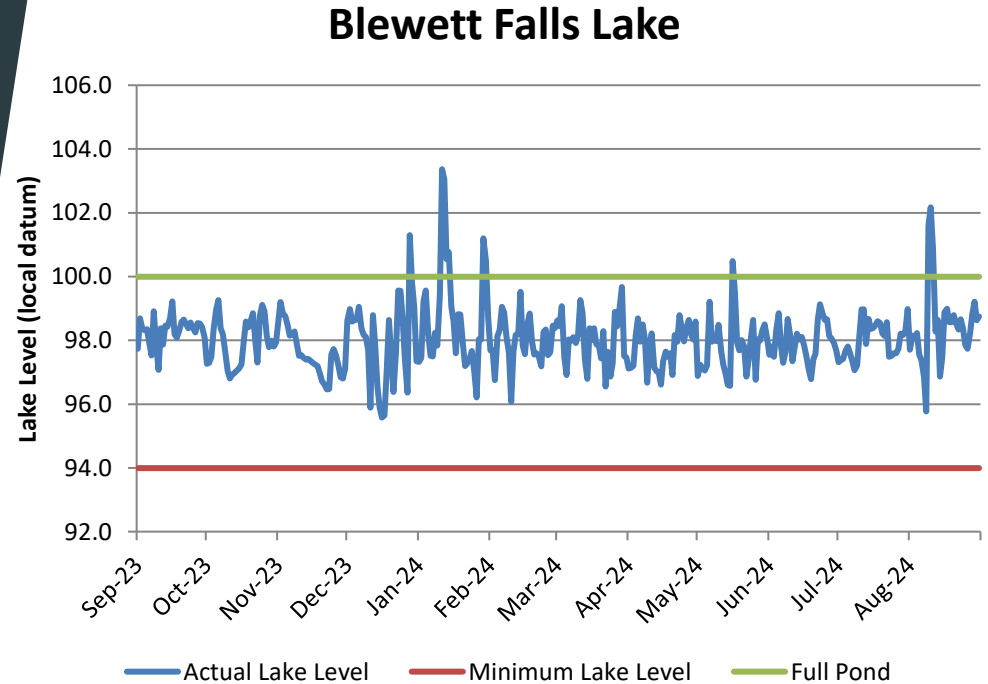
Reservoir Trends (continued) Sept. 2023 - Sept. 2024

- ▶ 100 ft. local datum represents full pond.
- ▶ Lake Tillery does not have a target or maximum level.
- ▶ Drawdown of Lake Tillery in late October 2023 as required by the license. Homeowners use this time to perform maintenance on docks.
- ▶ Drawdown in early January 2024 was due to storm prep for high inflows.
- ▶ As you can see from the chart, Lake Tillery is normally managed in a small (<1 ft.) range.



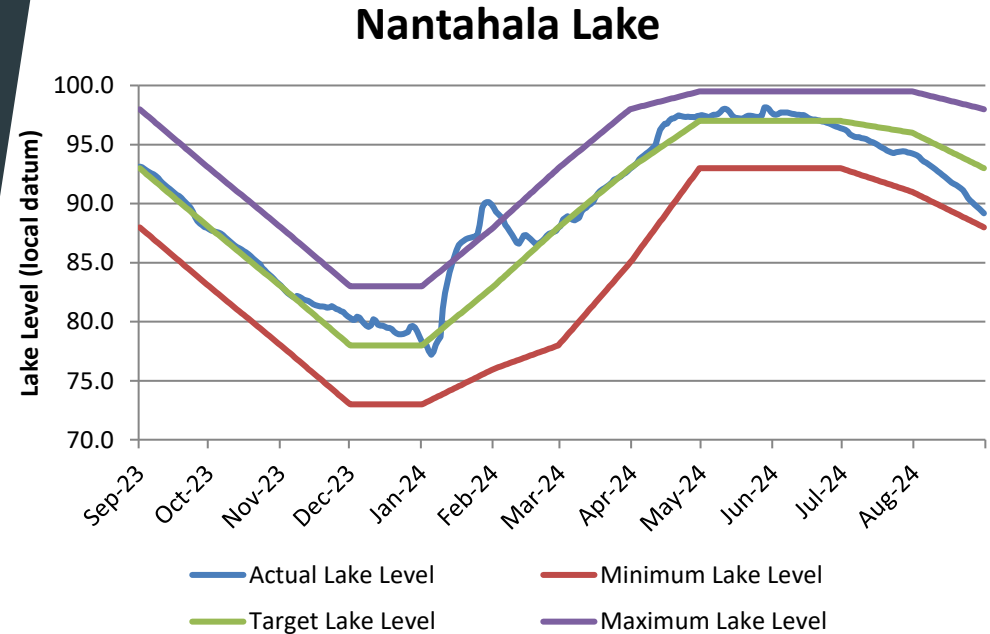
Reservoir Trends (continued) Sept. 2023 - Sept. 2024

- ▶ 100 ft. local datum represents full pond.
- ▶ Blewett Falls Lake does not have a target or maximum level.
- ▶ Levels above 100 ft. are due to high inflow events.



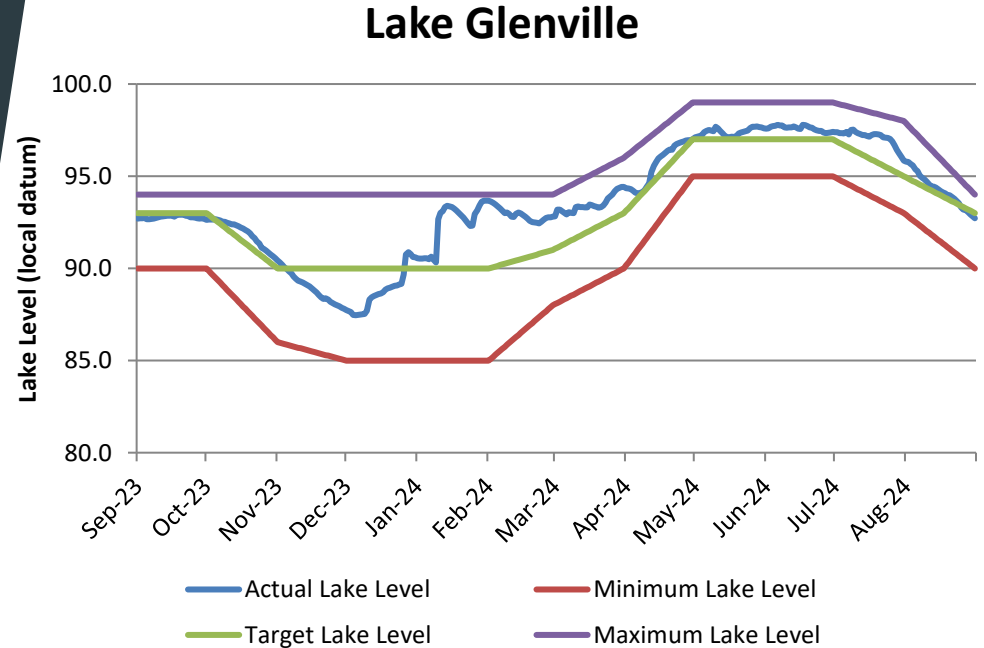
Reservoir Trends (continued) Sept. 2023 - Sept. 2024

- ▶ 100 ft. local datum represents full pond.
- ▶ Lake level exceeding the maximum level in Jan. 2024 is related to a station outage.
- ▶ Very dry in the western portion of the state. Nantahala Lake is 4 ft below the Normal Target. The recreation season does not end until the end of October.



Reservoir Trends (continued) Sept. 2023 - Sept. 2024

- ▶ 100 ft. local datum represents full pond.
- ▶ Unlike Nantahala, there are no concerns with low inflows.



Operations Summary

- All basins continue to experience dry conditions. All recreation releases end in October. Operations is doing well with conservative operations to prevent the lakes from declining too much. However, the reservoirs are expected to continue to decline as we proceed into the winter with a forecast of below normal rainfall.

Low Inflow Protocol Status

- Catawba-Wateree
 - Entered drought Stage 1 on Nov. 1, 2023, and recovered to Normal Conditions on Feb. 16, 2024. Currently operating under Normal Conditions.
- Nantahala Area and Yadkin-Pee Dee
 - Operating under Normal Conditions

