Caldwell Co (North)

2025

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1. System Information

Contact Information

Complete

Water System Name:	Caldwell Co (North)	PWSID:	01-14-048
Mailing Address:	1385 Fairview Drive SW Lenoir, NC 28645	Ownership:	County
Contact Person:	Barry Calloway	Title:	Director
Phone:	828-575-5757	Cell/Mobile:	--
Secondary Contact:	Sierra Wade	Phone:	828-757-5758
Mailing Address:	PO Box 2200 Lenoir, NC 28645	Cell/Mobile:	828-729-1240

Distribution System

Line Type	Size Range (Inches)	Estimated % of lines
Ductile Iron	8-12	75.00 %
Polyvinyl Chloride	8	25.00 %

What are the estimated total miles of distribution system lines? 5 Miles

How many feet of distribution lines were replaced during 2025? 0 Feet

How many feet of new water mains were added during 2025? 0 Feet

How many meters were replaced in 2025? 1

How old are the oldest meters in this system? 13 Year(s)

How many meters for outdoor water use, such as irrigation, are not billed for sewer services? 0

What is this system's finished water storage capacity? 0.0000 Million Gallons

Has water pressure been inadequate in any part of the system since last update? *Line breaks that were repaired quickly should not be included.* No

Programs

Does this system have a program to work or flush hydrants? Yes, Quarterly

Does this system have a valve exercise program? Yes, Annually

Does this system have a cross-connection program? Yes

Does this system have a program to replace meters? Yes

Does this system have a plumbing retrofit program? No

Does this system have an active water conservation public education program? No

Does this system have a leak detection program? No

Water Conservation

What type of rate structure is used? Increasing Block

How much reclaimed water does this system use? 0.0000 MGD For how many connections? 0

Does this system have an interconnection with another system capable of providing water in an emergency? Yes

2. Water Use Information

Service Area

Sub-Basin(s)	% of Service Population	County(s)	% of Service Population
Yadkin River (18-1)	98 %	Caldwell	100 %
Catawba River (03-1)	2 %		

What was the year-round population served in 2025? 271

Has this system acquired another system since last report? No

Water Use by Type

Type of Use	Metered Connections	Metered Average Use (MGD)	Non-Metered Connections	Non-Metered Estimated Use (MGD)
Residential	98	0.0176	0	0.0000
Commercial	8	0.0096	0	0.0000
Industrial	2	0.0066	0	0.0000
Institutional	5	0.0076	0	0.0000

How much water was used for system processes (backwash, line cleaning, flushing, etc.)? 0.0001 MGD

We use around 1,000-2,000 gallons per month for system processes as this is a small system.

3. Water Supply Sources

Monthly Withdrawals & Purchases

	Average Daily Use (MGD)	Max Day Use (MGD)		Average Daily Use (MGD)	Max Day Use (MGD)		Average Daily Use (MGD)	Max Day Use (MGD)
Jan	0.0433		May	0.0427		Sep	0.0455	
Feb	0.0690		Jun	0.0419		Oct	0.0486	
Mar	0.0468		Jul	0.0428		Nov	0.0411	
Apr	0.0397		Aug	0.0455		Dec	0.0506	

We purchase water for this system from The City of Lenoir. The City of Lenoir does not provide the amount of water purchased by day.



Water Purchases From Other Systems

Seller	PWSID	Average Daily Purchased (MGD)	Days Used	Contract MGD	Contract Expiration	Contract Recurring	Required to comply with water use restrictions?	Pipe Size(s) (Inches)	Use Type
Lenoir	01-14-010	0.0478	365	0.0800	2034	Yes	Yes	8	Regular

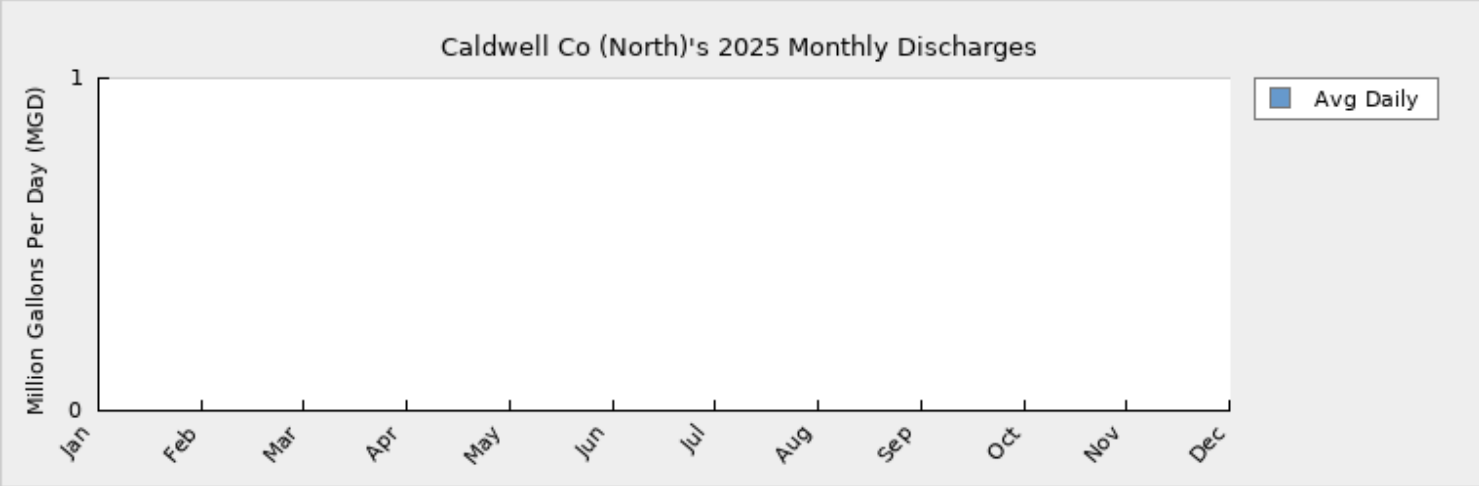
The contract with the City of Lenoir allows a maximum of 1.500 MGD to be distributed as needed between Caldwell County's Southeast, West, and North systems. However, The City of Lenoir indicates that there are allowances for the City to provide additional water above the 1.500 MGD maximum at a higher rate of cost. Accordingly, a cumulative maximum of 1.800 MGD is shoe to be distributed among the three Caldwell County systems such that the demand to supply ratio does not exceed 80% at any system.

4. Wastewater Information

Monthly Discharges

	Average Daily Discharge (MGD)		Average Daily Discharge (MGD)		Average Daily Discharge (MGD)
Jan	0.0000	May	0.0000	Sep	0.0000
Feb	0.0000	Jun	0.0000	Oct	0.0000
Mar	0.0000	Jul	0.0000	Nov	0.0000

Apr	0.0000	Aug	0.0000	Dec	0.0000



How many sewer connections does this system have? 0

How many water service connections with septic systems does this system have? 113

Are there plans to build or expand wastewater treatment facilities in the next 10 years? No

5. Planning

Projections

	2025	2030	2040	2050	2060	2070
Year-Round Population	271	275	283	292	300	310
Seasonal Population	0	0	0	0	0	0
Residential	0.0176	0.0165	0.0170	0.0175	0.0180	0.0186
Commercial	0.0096	0.0098	0.0100	0.0101	0.0102	0.0104
Industrial	0.0066	0.0069	0.0071	0.0073	0.0075	0.0077
Institutional	0.0076	0.0079	0.0081	0.0083	0.0085	0.0087
System Process	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Unaccounted-for	0.0063	0.0063	0.0064	0.0066	0.0067	0.0069

Demand v/s Percent of Supply

	2025	2030	2040	2050	2060	2070
Surface Water Supply	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Ground Water Supply	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Purchases	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800
Future Supplies		0.0000	0.0000	0.0000	0.0000	0.0000
Total Available Supply (MGD)	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800
Service Area Demand	0.0478	0.0475	0.0487	0.0499	0.0510	0.0524
Sales	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Future Sales		0.0000	0.0000	0.0000	0.0000	0.0000
Total Demand (MGD)	0.0478	0.0475	0.0487	0.0499	0.0510	0.0524
Demand as Percent of Supply	60%	59%	61%	62%	64%	66%

The purpose of the above chart is to show a general indication of how the long-term per capita water demand changes over time. The per capita water demand may actually be different than indicated due to seasonal populations and the accuracy of data submitted. Water systems that have calculated long-term per capita water demand based on a methodology that produces different results may submit their information in the notes field.

Your long-term water demand is 65 gallons per capita per day. What demand management practices do you plan to implement to reduce the per capita water demand (i.e. conduct regular water audits, implement a plumbing retrofit program, employ practices such as rainwater harvesting or reclaimed water)? If these

practices are covered elsewhere in your plan, indicate where the practices are discussed here. No changes

Are there other demand management practices you will implement to reduce your future supply needs? No changes

What supplies other than the ones listed in future supplies are being considered to meet your future supply needs? None are needed

How does the water system intend to implement the demand management and supply planning components above? None are needed

Additional Information

Has this system participated in regional water supply or water use planning? No

What major water supply reports or studies were used for planning?

Please describe any other needs or issues regarding your water supply sources, any water system deficiencies or needed improvements (storage, treatment, etc.) or your ability to meet present and future water needs. Include both quantity and quality considerations, as well as financial, technical, managerial, permitting, and compliance issues:

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