Caldwell Co (Addison Lane)

2025

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1. System Information

Contact Information

Complete

Water System Name:	Caldwell Co (Addison Lane)	PWSID:	10-14-001
Mailing Address:	1385 Fairview Drive SW Lenoir, NC 28645	Ownership:	County
Contact Person:	Barry Calloway	Title:	Director
Phone:	828-757-5757	Cell/Mobile:	828-217-1889
Secondary Contact:	Sierra Wade	Phone:	828-757-5758
Mailing Address:	PO Box 2200 Lenoir, NC 28645	Cell/Mobile:	828-217-1889

Distribution System

Line Type	Size Range (Inches)	Estimated % of lines
Polyvinyl Chloride	2	20.00 %
Polyvinyl Chloride	6	80.00 %

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? 2
How old are the oldest meters in this system? 9 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
Catawba River (03-1)	100 %	Caldwell	100 %

What was the year-round population served in 2025? 155

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	60	0.0051	0	0.0000
Commercial	0	0.0000	0	0.0000
Industrial	0	0.0000	0	0.0000
Institutional	0	0.0000	0	0.0000

How much water was used for system processes (backwash, line cleaning, flushing, etc.)? 0.0003 MGD

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	0.0048		May	0.0059		Sep	0.0068	
Feb	0.0056		Jun	0.0048		Oct	0.0057	
Mar	0.0053		Jul	0.0059		Nov	0.0047	
Apr	0.0065		Aug	0.0096		Dec	0.0048	



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
Alexander County	01-02-020	0.0061	365	0.1000		Yes	Yes	2 & 6	Regular
Granite Falls	01-14-030	0.0000	365	0.0000		Yes	Yes	6	Emergency

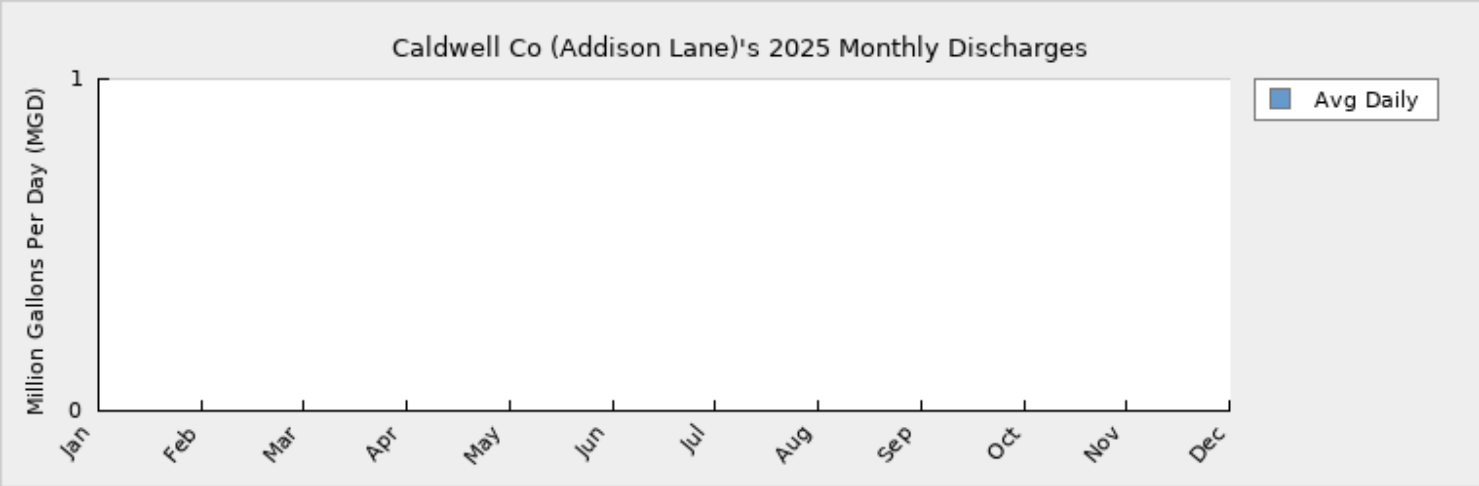
The City of Hickory provides the water via the Alexander County Water System. The contract numbers are based on Caldwell County's agreement with The City of Hickory. In case of emergency, we can receive water from the Town of Granite Falls via our Southeast system.

There is not a specific volume of water committed to the Addison Lane system by the Town of Granite Falls in the event of an emergency.

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? 60

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	155	163	166	169	172	175
Seasonal Population	0	0	0	0	0	0
Residential	0.0051	0.0057	0.0058	0.0059	0.0060	0.0061
Commercial	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Industrial	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Institutional	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
System Process	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
Unaccounted-for	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007

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	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000
Future Supplies		0.0000	0.0000	0.0000	0.0000	0.0000
Total Available Supply (MGD)	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000
Service Area Demand	0.0061	0.0067	0.0068	0.0069	0.0070	0.0071
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)	0.0061	0.0067	0.0068	0.0069	0.0070	0.0071
Demand as Percent of Supply	6%	7%	7%	7%	7%	7%

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 33 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? In the future, we may consider implementing water-use restrictions during peak flow in summer months by adopting restrictions similar to our Stage 2 drought restrictions, giving certain time frames for high-consumption activities such as lawn watering, pool filling, etc.

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

How does the water system intend to implement the demand management and supply planning components above? To implement these restrictions, we would have to increase our print budget to send inserts with our April bills, notating that these restrictions will begin on the first day of May in the referenced year. Additionally, we would make this information available on our webpage and social media pages via our County Public Information Officer. These guidelines would be enforced in conjunction with our County law enforcement officers, and we would monitor consumption through our monthly reading system.

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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