

LEADERSHIP TEAM

L10

03/05/2024

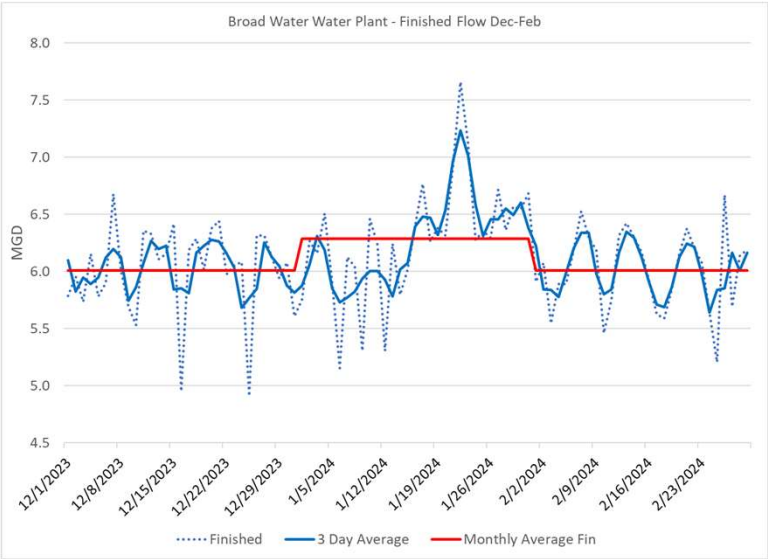


BROAD RIVER

WATER AUTHORITY

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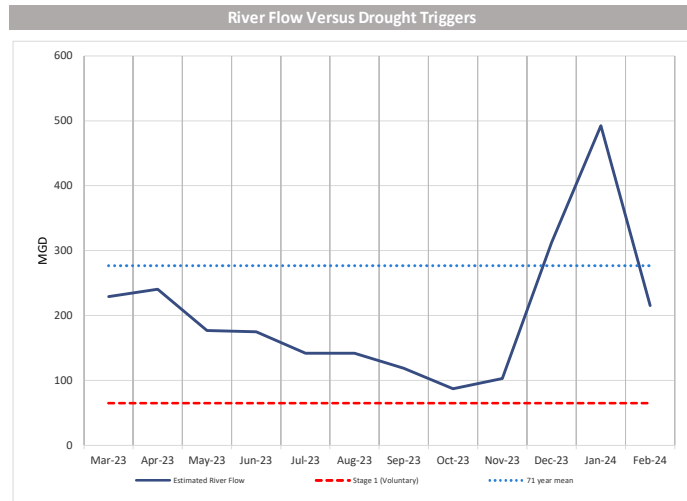
WTP - Recent Flow Rates



Monthly Flow Total and Average (MGD)				
Feb-23	198.960	6.418	1.63	1.0%
Feb-24	197.792	6.380		

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River Flow and Rainfall



Rainfall					
February - 24			Last 12 months		
Actual	Hist Avg for Month	Variance	Actual	Hist Avg	Variance
1.30	3.61	-2.31	47.57	51.13	-3.56

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WTP

Highlights

- Chad tentatively passed C – Surface Exam. Will apply for full certification on March 11th. Jake's first week on Distribution.
- Visit from Carolyn with NCRWA Apprenticeship went well.
- VT SCADA upgrade making steady progress. Working well, customizable.
- Access road project moving along.
- Electrical project completed, waiting final approval.
- Poors Ford Booster Pump #2, and isolation valves replaced. Waiting on valves for other two pumps.



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WTP

Priorities

- Spindale Tank electrical service switch over.
- Asset Essentials update

What's Coming Up

- Little Mountain Pump Station upgrade to begin soon.
- Raw Water Line project is waiting on state approval for bid.
- Recycle Pump #3 addition is in planning stage.
- Lead and Copper Inventory – plan in development.
- Maintenance projects expected during Spring
 - Replace insertion pipe for Bleach, will need to coordinate with plant shutdown.
 - Painting projects – jet mix room, others...
 - Sidewalk cleaning at Main Office



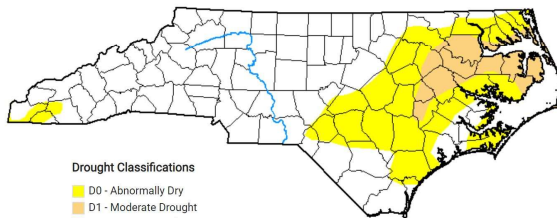
Feb 27, 2024 Update

Mar 19, 2024 Update

Current Conditions

as of February 27, 2024 at 8am ET

US Drought Monitor of North Carolina

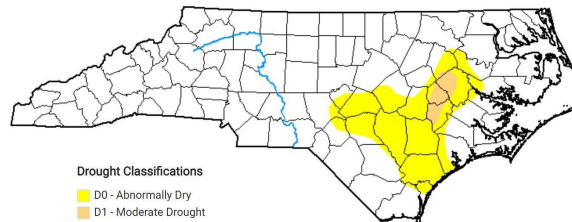


- Drought Classifications
- D0 - Abnormally Dry
 - D1 - Moderate Drought
 - D2 - Severe Drought
 - D3 - Extreme Drought
 - D4 - Exceptional Drought

Current Conditions

as of March 19, 2024 at 8am ET

US Drought Monitor of North Carolina



- Drought Classifications
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WTP
Capital
Projects

FY 24	Budget	Spent 3/1/24	Status 3/1/24
Equip WTP Electrical Upgrades (127618)	300,000	224,900	95% complete. Fiber relocation done
Equip Little Mtn Booster Pump (127621)	145,000	21,483	Generator start up complete, Carolina Pumpworks pumps delivered, Camp for electrical. Fix building, review layout of land (need space to park and turn around)
Equip WTP Equipment annual (127608)	25,000	2,130	
WSL Raw Intake Waterline (127307)	400,000	29,120	KHA correcting drawings then advertise for bids - pending state approval (original estimate was over \$600,000)
Equip WTP Scada Upgrade (127612)	350,000	50,000	Software install in process.
Residual Access Rd & WTP Front (127120)	393,000	151,750	Work started end Dec. Approx 60% done (Thompson Contractors). Bond done, need contract docs from McGill
Recycle Pump Replacement Design (127614)	33,000		KHA did prelim on upsizing pump. Add redundant pump or upsize? Scheduled meeting to discuss
PF Valves (127600)	15,000		Valves are ordered (\$6,390)(2 installed waiting on 4 more)

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- Other
projects

- Raw Water Station Interior Paint - complete
 - Poors Ford Pump Station
 - 6-12" Valves need to be replaced to isolate pumps
 - #2 pump completed/ valves/ pump alignment/ rehab
 - #1 & #3 valves ordered (on capital sheet)
 - Spindale Tank Electrical Service - Need Camp, Skyrunner to move over
 - Bleach Bulk Tank #1 - small leak at base, repair scheduled March 2024
 - Jet Mix Room - piping issues - Tnemec spec, Lancaster to paint in Spring
 - Sidewalk cleaning at office to be scheduled
 - Certifications -
 - Robert and John to re-test 2024?
 - Chad tested Feb 29
 - Wyman school in March

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Distribution



Highlights

- Finished all larger meter replacements except ICC and Rutherford Hospital 6"
- Replaced line on Eaves St. with new PVC line
- Notified by E.S. Walker that materials for Dist. Shop addition will be arriving within a few weeks with construction start date soon after
- DOT Contractors finishing up tie-ins on Green St.
- Hosted Flagger Training

Priorities

- Replace Rutherford Hospital meter in the upcoming weeks and ICC meter on April 1st
- Continue line replacement on Wallace St

What's coming Up

- Line replacement on Illinois and Benton St's
- Certification classes for Johnathon and Jay (B) and Tony, Gladden and Tanner (A)

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On-Call / After Hours

	1Q 23	2Q 23	3Q 23	4Q 23	Jan	Feb
# calls	25	18	17	39	12	9
Hours	82	37.5	54	124	55	42

Construction

	1Q Hours	2Q Hours	3Q Hours	4Q Hours	Jan	Feb
New Construction	331	295	370	345	0	0
Rehab/Maintenance	458.5	63	330	90	0	84
Hydrant Replacement	15	7	1	6	4	0
Service Replacements	67	13	4	30	2	15

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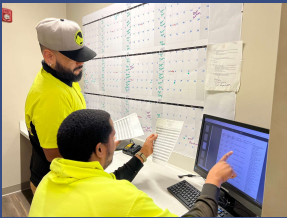
Outages

	1Q Hrs/ # Services Affected	2Q Hrs/ # Services Affected	3Q Hrs/ # Services Affected	4Q Hrs/ # Services Affected	Jan Hrs/ # Services Affected	Feb Hrs/ # Services Affected
Unplanned	3/ 25	3/ 35	6/ 36	3/334	0	7/75
Planned	46/ 152	6/ 30	14/ 74	9/192	3/155	2/37

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Metering



Highlights

- Harmony (reading software) demo on March 5; install in April

Priorities

- Cut off on Monday, March 18
- Billing target date, March 27

What's coming up


- Register change outs on hold - NO INVENTORY
- GPS locate meters - Bad Elf equipment ordered March 4
- Lead Service Line inventory - Plan in Teams chat

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Work Order Statistics


	1Q 23	2Q 23	3Q 23	3Q 23	Jan	Feb	
Quality Inquiries	9	5	1	7	1	3	
Meter Change-outs	44	292	387	570	215	78	
Taps	14	10	16	20	3	7	
Datalog	17	5	18	16	11	6	
On/ Off/ Transfer	400	326	350	348	109	110	
Leak Reported	39	21	36	30	21	7	
Other	50	42	56	87	29	37	
Re-Read Meter	9	8	15	12	3	3	
Total Service Orders	582	709	879	1090	392	251	



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Electronic Alarms



	Leak Alarms	Leak Adj
1Q 23	667	\$24,062
2Q 23	617	\$7,404
3Q 23	737	\$8,500
4Q 23	781	\$7,526
January 24	333	\$3,400
February 24	242	\$5,702

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<h1>Meter Inventory & Need</h1> <p>Tracking meter replacement needs and failure rate (<3% November) Update on register availability and RMA count for Feb</p>		Meters in Stock	RMA	Brain Dead/ Manual Reads	Total Active Meters
		End 1Q 23	126	129	408
End 2Q 23	119	104	247	7,139	
End 3Q 23	316	127*+ 378= 505	243	7,181	
End 4Q 23	241* (70 register only)	902	216	7,192	
January 24	77 whole meters. ¾-1' (25 registers only)	1040	270	7,209	
February 24	58 new ¾-1 meters 6-¾ registers	1170 (112 sent off in feb)	487	7,188	

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<h1>Distribution Capital Projects</h1>		FY 24	Budget	Spent 3/1/24	Status 3/1/24
		WSL Rehab Water Lines (127500)	150,000	8,432	Materials for replacing galvanized
WSL Rehab Hydrant Valve Flush (127400)	75,000	53,441	Note: hydrant assembly cost has increased to \$5000 per unit		
WSL New Extensions (127300)	150,000	136,873	Mountain Creek design; Gillespie (burgess - 3 taps) Soco Gap/ Walker Store investigate further + upgrade; Middle St (NO)		
ICWD/ Polk Meter (127600)	75,000		Use money for engineering fees for 221 & 74 (Loves/ FWK)		
Distribution Warehouse Expansion (127210)	175,000	16,652	Walker estimate \$167,000; move forward		
Rubber Tire Loader (127609)	200,000	188,336	Delivered		
Dist Service Truck (127702)	53,000	51,430	Delivered		
Land Improvements ROW Clearing (127140)	100,000		Hold off for now		
Equip Distribution annual (127602)	40,000	26,986			
Equip Meter Replacement annual (127603)	100,000	37,316	Large meters installed except for 2 (hospital and ICC pending)		
Tank Annual Contract (127622)	40,000	38,959	USG		

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Admin/ Operations



Highlights

- MuniBilling & Ampstun :
 - Working out differences in February billing comparison
 - Next step is matching A/R between water/ sewer services

Priorities

- MuniBilling data conversion
- Prepare for billing statement change
- Prepare for customer portal change
- Prepare for convenience fees for credit card payments

What's coming up

- Cut off on Monday, March 18
- Billing target date, March 27

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Asset Management

Brightly/ Asset Essentials

- Moving forward (as of 3/5 meeting with Nicole)
 - We have a "new" Marty consultant- Thomas Schwartz
 - Transition meeting 3/19 - 9:00 am
 - Data review meeting 4/8 - 10:00 am
 - Account configuration 4/22 - 9:00 am and 1:00 pm
 - User Training 5/6 - 9:00 am and 1:00 pm
 - User Training 5/8 - 9:00 am and 1:00 pm
 - Future issue: Resolve base map issue with Rutherfordton

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GIS/ ESRI

Lead and Copper

- GIS/ ESRI items to address
 - ✓ Source data - NAD1983 StatePlane (meeting 12:00 3/5)
 - ✓ Update parcel data - link on County website, need ESRI support
 - GPS meter locations - Bad Elf equipment on the way, delivery Wednesday 3/6
 - Transition from Collector app to Field Maps app

- LCRR
 - Need tax pin for parcels in MuniBilling (Gary) and use in LCRR spreadsheet as identifier
 - Create form that dumps data into DEQ sheet (Patrick)
 - Modify letter to customers

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Other Projects

Overall Organization Projects

- Verizon contract -
 - Board approved contract in Jan, redline revisions made, Verizon attorney behind
 - Sarah email from 2/20 -> USG to give Verizon construction costs, need compliance letter from BRWA
- Polk County Regional Water Authority - meeting held 2/28, timing of next steps dependent on Polk political climate, will need a public hearing
- Bank proposals from OZK and TD Bank being evaluated

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Billing Usage by Customer Type

★ Feb 2024 usage 9% less than same period 2023

Monthly Usage (M gal)	Aug 23	Sept 23	Oct 23	Nov 23	Dec 23	Jan 24	Feb 24	% Total
Residential	25.12	26.49	25.70	21.52	23.5	26.63	21.03	13%
Industrial	7.43	5.82	5.54	5.96	5.15	5.10	5.44	3%
Commercial	3.63	3.48	4.92	4.22	3.64	4.07	4.22	3%
Other+ Public Govt	3.70	3.91	3.64	3.70	3.31	3.14	2.89	2%
Bulk Grassy Pond	35.98	29.96	26.69	33.56	19.60	32.69	25.59	16%
Bulk Polk/ ICWD	155.33	147.4	131.24	131.85	95.84	141.38	102.72	63%
TOTAL	231.19 (7.46 MGD)	217.06 (7.24 MGD)	197.73 (6.38 MGD)	200.41 (6.68 MGD)	151.04 (4.87 MGD)	213.01 (6.87 MGD)	163.86 (5.46 MGD)	

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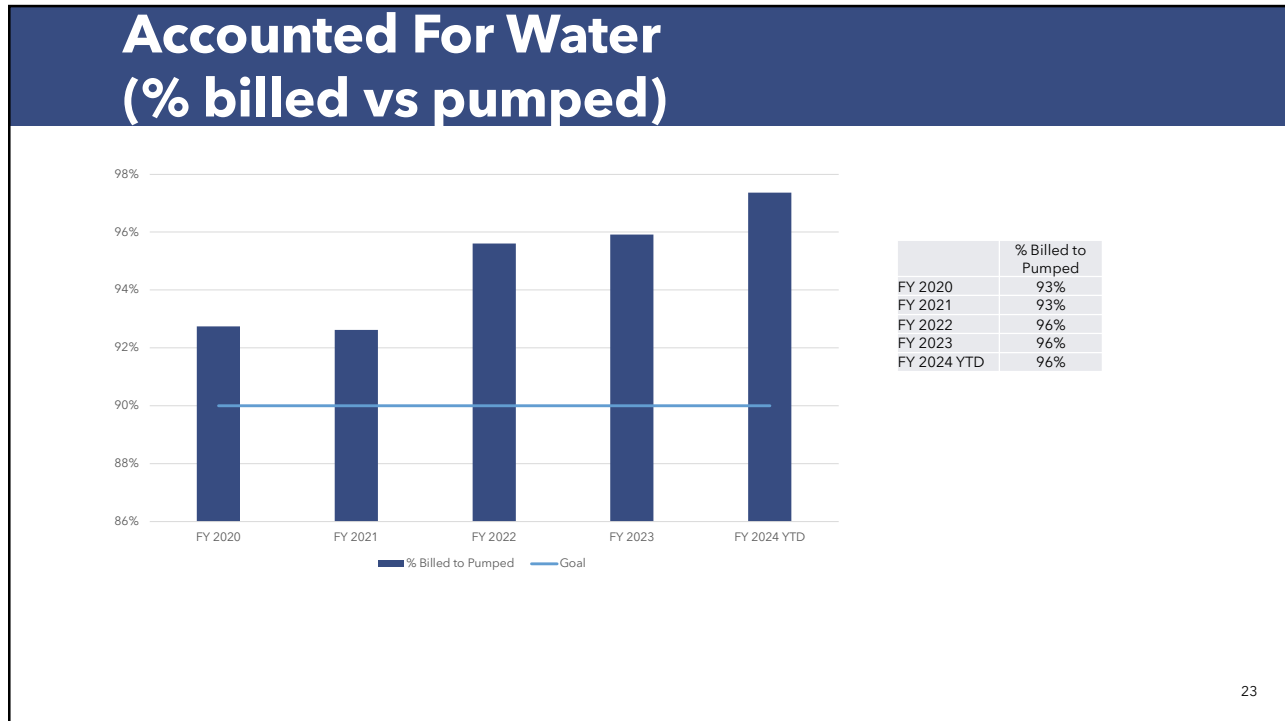
Billing Revenue by Customer Type

★ Feb 2024 revenue 9% less than same period 2023

Monthly Revenue	Sept 23	Oct 23	Nov 23	Dec 23	Jan 24	Feb 24	% Total
Residential	\$322,463	\$323,325	\$293,512	\$304,265	\$321,756	\$289,291	48%
Industrial	\$34,468	\$32,734	\$33,781	\$30,948	\$30,097	\$30,698	5%
Commercial	\$35,152	\$41,811	\$39,191	\$36,891	\$39,230	\$39,831	7%
Other+ Public Govt	\$32,641	\$30,359	\$28,768	\$28,666	\$27,725	\$26,427	4%
Bulk Grassy Pond	\$59,722	\$53,335	\$66,732	\$38,543	\$65,051	\$53,146	9%
Bulk Polk/ ICWD	\$215,057	\$191,795	\$192,673	\$161,896	\$206,397	\$161,007	26%
TOTAL	\$699,503	\$673,359	\$654,560	\$601,209	\$690,256	\$608,308	

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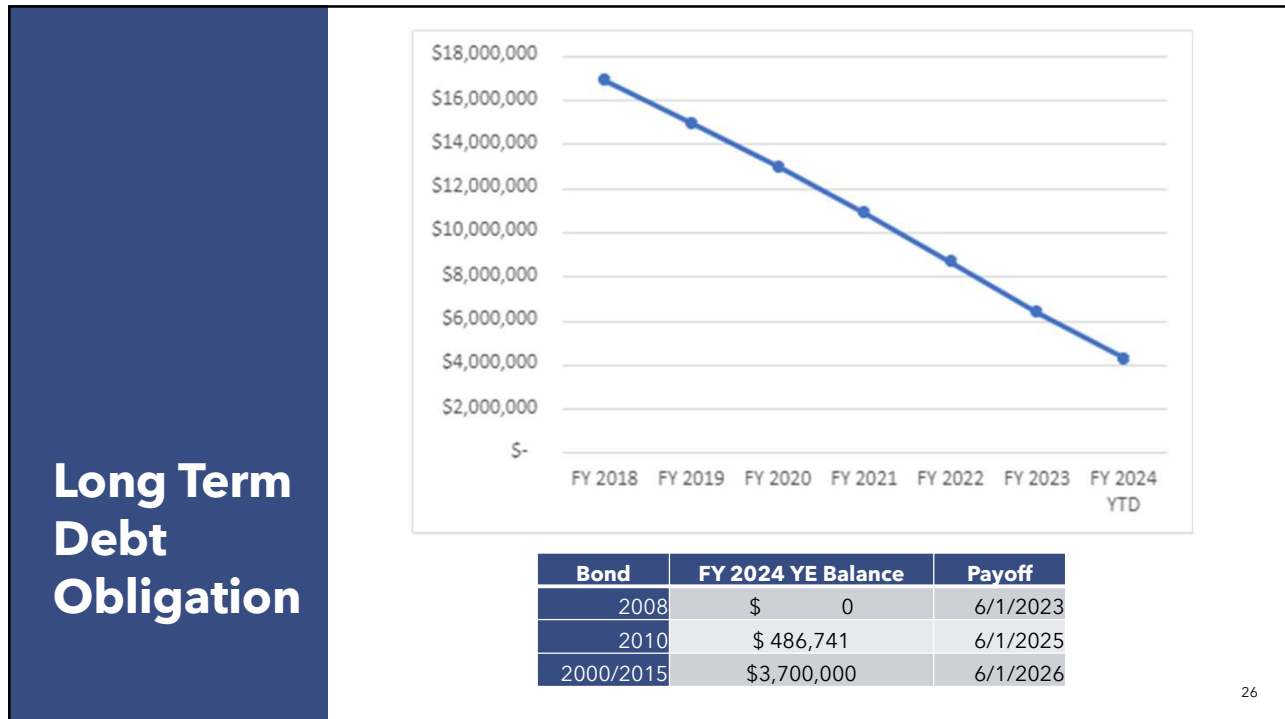


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Key Indicator	FY 16	FY 17	FY 18	FY 19	FY20	FY 21	FY 22	FY 23	FY 24
% Rate Change	2.5%	3.0%	-	* -2.3%	2.3%	-	3.5%	-	2.75%
Base Rate	\$26.90	\$27.70		\$27.62	\$28.29		\$29.20		\$30.00
Volumetric Rate	\$5.31	\$5.47		\$5.18	\$5.30		\$5.50		\$5.65
Ave Monthly Bill (3,500 gal)	\$40.18	\$41.38		\$40.57	\$41.54		\$42.95		\$44.13
Unrestricted Cash (\$M)	\$7.459	\$8.228	\$9.450	\$7.749	\$7.777	\$8.317	\$8.566	\$8.501	\$8.824
Debt Service Coverage	1.79x	1.77x	1.80x	1.72x	1.73x	1.71x	1.74x	1.63x	1.76x
Long Term Debt	\$20.668	\$18.501	\$16.279	\$13.998	\$11.654	\$9.247	\$6.774	\$4.423	

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HR

Highlights

- Employee Breakfast & Harrassment Training
- Training Tracker
- Sharepoint Team Site

Priorities

- Employee development plans
- SOPs & Training Videos for MuniBilling

What's coming up

- Employee + Family Gathering - TopGolf - Saturday, 3/16 1:00 pm - 3:00 pm
- Employee Lunch - Wednesday, 3/27 @ Noon - Main St. Office
- Holiday - Friday, 3/29 - Office Closed
- Employee Self Evals open 3/15-4/1
- Manager Evals on employees open 4/1-4/15

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YTD Training

2024 TRAINING COMPLETED														
EMPLOYEE NAME	TOTAL HOURS	COURSE NAME	DATE	HOURS	COURSE NAME	DATE	HOURS	COURSE NAME	DATE	HOURS	COURSE NAME	DATE	HOURS	CC
BLECHER, ROBERT	1				ETHICS (LUNCH)	1/31/2024	0.5	Harrasment	2/28/2024	0.5				
BRIGHT, JOHNSON	4	FLAGGER	2/20/2024	3	ETHICS (LUNCH)	1/31/2024	0.5	Harrasment	2/28/2024	0.5	B-Distribution School			
CABRAL, KENDALL	1				ETHICS (LUNCH)	1/31/2024	0.5	Harrasment	2/28/2024	0.5				
GUYER, DUSTIN	0.5							Harrasment	2/28/2024	0.5				
HAMMETT, REID	1				ETHICS (LUNCH)	1/31/2024	0.5	Harrasment	2/28/2024	0.5				
HILL, GLADDEN	1				ETHICS (LUNCH)	1/31/2024	0.5	Harrasment	2/28/2024	0.5	A-Distribution School			
HITT, JAY	4				ETHICS (LUNCH)	1/31/2024	0.5	Harrasment	2/28/2024	0.5	B-Distribution School			
HUNNICUTT, MARIA	0.5							Harrasment	2/28/2024	0.5				
JONES, DUSTIN	1				ETHICS (LUNCH)	1/31/2024	0.5	Harrasment	2/28/2024	0.5				
JOYNER, BRAD	0.5							Harrasment	2/28/2024	0.5				
LAWSON, BETH	1				ETHICS (LUNCH)	1/31/2024	0.5	Harrasment	2/28/2024	0.5				
MAUGHAN, ASHLEY	1				ETHICS (LUNCH)	1/31/2024	0.5	Harrasment	2/28/2024	0.5				
MCHONE, KARAH	0													
MENDOZA, MARCUS	4	FLAGGER	2/20/2024	3	ETHICS (LUNCH)	1/31/2024	0.5	Harrasment	2/28/2024	0.5				
MILLER, LJ	4	FLAGGER	2/20/2024	3	ETHICS (LUNCH)	1/31/2024	0.5	Harrasment	2/28/2024	0.5				
MORGAN, WYMAN	0.5							Harrasment	2/28/2024	0.5				
MURRAY, CHAD	0.5							Harrasment	2/28/2024	0.5	C-Surface School			
QUEEN, JACOB	0.5							Harrasment	2/28/2024	0.5				
ROMERO, DELLA	0.5				ETHICS (LUNCH)	1/31/2024	0.5							
RUSH, BEN	0.5							Harrasment	2/28/2024	0.5				
SMART, JOHN	0.5							Harrasment	2/28/2024	0.5				
SMITH, ZANDER	3.5	FLAGGER	2/20/2024	3				Harrasment	2/28/2024	0.5				
SULLIVAN, TONY	0.5							Harrasment	2/28/2024	0.5	A-Distribution School			
SUTTLE, SHANNON	0													
THOMAS, TANNER	1				ETHICS (LUNCH)	1/31/2024	0.5	Harrasment	2/28/2024	0.5	A-Distribution School			
TURNER, DAKOTA	0.5							Harrasment	2/28/2024	0.5				
WILSON, MATTHEW	4	FLAGGER	2/20/2024	3	ETHICS (LUNCH)	1/31/2024	0.5	Harrasment	2/28/2024	0.5	Apprentice Classes			

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Flagger Training



Broad River Water Authority
83 followers
1mo •

Big thanks to [Amanda Boyd, UMC](#) and [North Carolina Rural Water Association](#) for providing flagger training to BRWA teammates and to members of Public Works crews from [Town of Rutherfordton](#) and Town of Spindale. We are committed to the safety of our employees and our community. 🌟



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SharePoint Team Site

[Click Here \(draft page\)](#)

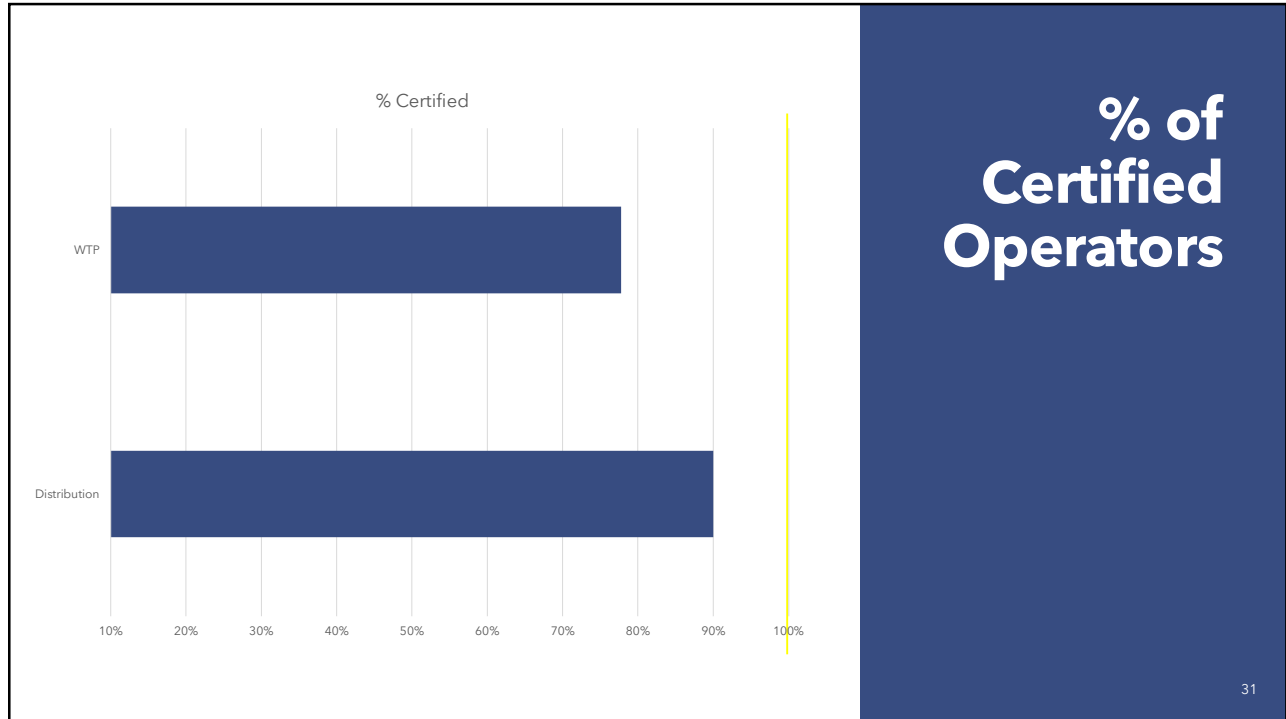
To be used as a supplement with the General Chat

- Files/News/Events will go here
- Links to benefit documents and carrier sites
- Links to Pryor+ and other trainings

Hope it helps with communication and transparency

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% of Certified Operators

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Social Media/Community Engagement

Broad River Water Authority
Published by Broad River · March 6 at 11:35 AM ·

Behind The Scenes & Beneath Our Feet

Ever wonder what keeps the water flowing seamlessly in our community? It's all about the unsung heroes below ground – our water valves! These hidden gems are the backbone of our water system, ensuring a steady and sustainable water supply.

Valve Replacements for Sustainability: At BRWA, we're dedicated to ongoing improvements in our water infrastructure. Replacing old valves is a key step in maintaining system efficiency, reducing leaks, and conserving water. It's a vital investment in the sustainability of our precious resource.

The Unsung Heroes: Underground but not unnoticed! Our dedicated team works tirelessly to identify, assess, and replace aging valves. This proactive approach helps us stay ahead of potential issues and keeps the water flowing reliably to your homes.

Sustaining Our Future: By upgrading these essential components, we're not just improving today's water system – we're securing a sustainable future. It's a commitment to environmental responsibility and ensuring generations to come enjoy the same quality water service.

Before & After

#BRWA #WaterSustainability #InfrastructureMatters #ValveReplacement

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Social Media/Community Engagement



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Company-Wide Meeting Schedule

- TopGolf Saturday, Mar. 16
- Lunch Thursday, Apr. 4
- Lunch Wednesday, Apr. 24

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Meeting Schedule

L10 Meetings

- Tuesday, Mar 5th
- Tuesday, Apr 2nd
- Tuesday, May 7th

Board of Directors and Managers Meetings

- March 26, Tuesday 9:00 am

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