

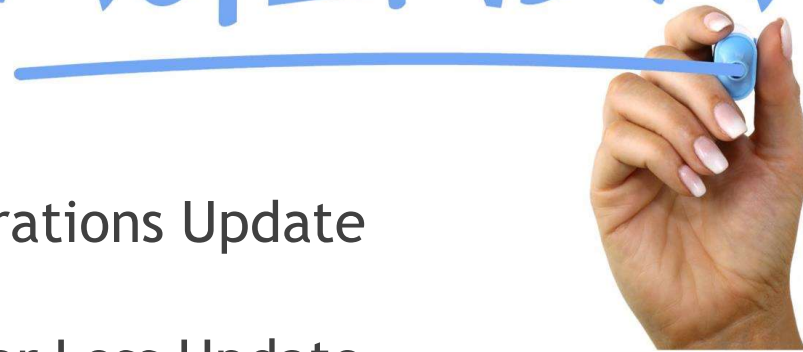


# Alliance Water Resources, Inc. Operations Update

**Martin County Water Districts**

December 16, 2024

# AGENDA



- ▶ Operations Update
- ▶ Water Loss Update
- ▶ Projects Update

# Operations Update

- ▶ Water Plant has produced 500,661,000 YTD 2024.
- ▶ Current Average Daily Production 1.25MGD
- ▶ District has been able to maintain tanks at full capacity - even during recent cold spell
- ▶ Reservoir is above 3<sup>rd</sup> screen
- ▶ District is fully staffed



# Operations Update



- ▶ Lead Service Inventory submitted October 1<sup>st</sup> - estimated 20% left to identify no current lead lines located
- ▶ Collins Creek Replacement Project complete
- ▶ Pump stations winterized
- ▶ PSC Inspection November - no major deficiencies identified

Class IV Water Treatment Operator	3
Class III Water Treatment Operator	1
Class II Water Treatment Operator	2
Class I Water Treatment Operator	0
Class III Water Distribution Operator	5
Class I Water Distribution Operator	1



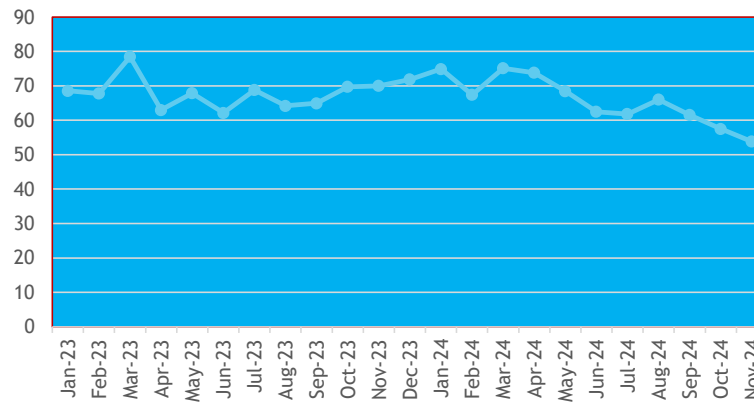
# Water Loss Program

- ▶ Water Loss for November 53.79%
- ▶ Dedicated water loss crew working daily to identify leaks
- ▶ Purchased new equipment for leak detection May of 2024
- ▶ Flow meters and pits are being used to pinpoint high water loss pressure zones
- ▶ 255 Water Leaks repaired YTD through November

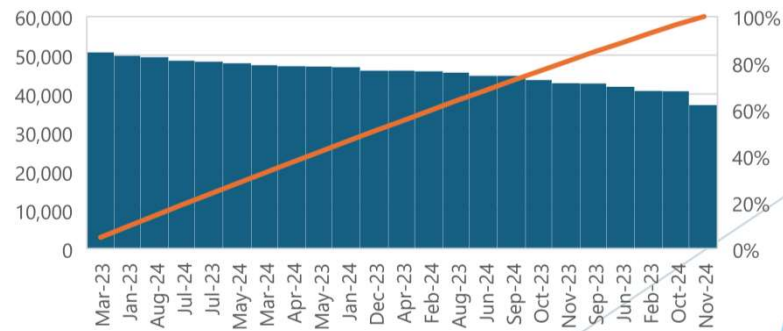
# Water Loss Update

Month	Water Loss %	Total Produced	Leaks Repaired
Jan-23	68.54	49,870	10
Feb-23	67.75	40,811	31
Mar-23	78.49	50,762	25
Apr-23	62.98	46,018	18
May-23	67.87	47,131	12
Jun-23	62.13	41,875	24
Jul-23	68.76	48,378	16
Aug-23	64.18	45,499	26
Sep-23	64.93	42,694	23
Oct-23	69.68	43,594	19
Nov-23	69.98	42,751	24
Dec-23	71.88	46,035	20
Jan-24	74.86	46,917	20
Feb-24	67.37	45,892	14
Mar-24	75.09	47,418	13
Apr-24	73.83	47,202	16
May-24	68.47	47,963	18
Jun-24	62.43	44,693	34
Jul-24	61.83	48,612	36
Aug-24	66.01	49,518	39
Sep-24	61.55	44,669	35
Oct-24	57.49	40,669	38
Nov-24	53.79	37,108	10

Water Loss %



Total Water Produced MG



# Water Loss Update

## PUBLIC SERVICE COMMISSION

### Monthly Water Loss Report

Water Utility:

For the Month of:  Year:

LINE #	ITEM	GALLONS (Omit 000's)
1	<b>WATER PRODUCED AND PURCHASED</b>	
2	Water Produced	37,108
3	Water Purchased	
4	<b>TOTAL PRODUCED AND PURCHASED</b>	<b>37,108</b>
5		
6	<b>WATER SALES</b>	
7	Residential	9,299
8	Commercial	3,466
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	
12	Public Authorities	3,546
13	Other Sales (explain)	
14	<b>TOTAL WATER SALES</b>	<b>16,311</b>
15		
16	<b>OTHER WATER USED</b>	
17	Utility and/or Water Treatment Plant	325
18	Wastewater Plant	
19	System Flushing	361
20	Fire Department	
21	Other Usage (explain) plant usage	151
22	<b>TOTAL OTHER WATER USED</b>	<b>837</b>
23		
24	<b>WATER LOSS</b>	
25	Tank Overflows	
26	Line Breaks	5,360
27	Line Leaks	14,600
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	<b>TOTAL WATER LOSS</b>	<b>19,960</b>
32		
33	<b>Note: Line 14 + Line 22 + Line 31 MUST Equal Line 4</b>	
34		
35	<b>WATER LOSS PERCENTAGE</b>	
36	(Line 31 divided by Line 4)	53.79%





# Upcoming Funded Projects

- ▶ **Water Meter Replacement** - 2 million was funded to replace all the water meters in the system - pressure zone meters will be included
- ▶ **Turkey Tank Rehabilitation** - \$681,000 was funded to rehab the Turkey tank - will include painting and adding fence for security
- ▶ **Otto Brown Pump Station and Line Replacement** -2 million funded project - will replace approx 20,000 feet within the service area as well as replace existing pump station - station currently is below ground and only designed with one pump
- ▶ **Water Line Relocations**- These projects are being funded by the state highway department to relocate water mains for road improvements- several of these are in suspected high water loss areas
- ▶ **Telemetry 292** - Adding SCADA to be able to monitor and operate 292 pump station. Currently staff operates manually







## Projects that District have Applied for Funding

- ▶ **Downtown Inez Water Line Replacement** - This will address the oldest lines in the distribution system - phase 1 of this project will include replacing the AC water mains and service line for 200 customers
- ▶ **Coldwater Water Replacement** - Partially funded still seeking additional funding. This will replace approximately 40,000 feet of water main - Will also include new service line for 240 customers
- ▶ **Old Route 3 Water Replacement** - This will replace approximately 24,500 feet of water main - Will also include replacing service line for 200 customers
- ▶ **Spicy Mountain Water Extension**- This project would add up to 8 new customers that currently have no access to water. It would also include a small tank and a regional connection to Paintsville
- ▶ **Raw Water System Improvements** - This will address rehabbing clarifier # 2 and work at the reservoir including valves

Questions?