NORTH BEACH WATER DISTRICT

GENERAL MANAGERS REPORT

November Meeting - 2024

Well Field Output

October 1, 2024	to	October 31, 2024	NWF Master Meter:	10.3810 mg
			SWF Master Meter:	0.0000 mg
			Total Pumped to Plant:	10.3810 MG

Water Plant Production

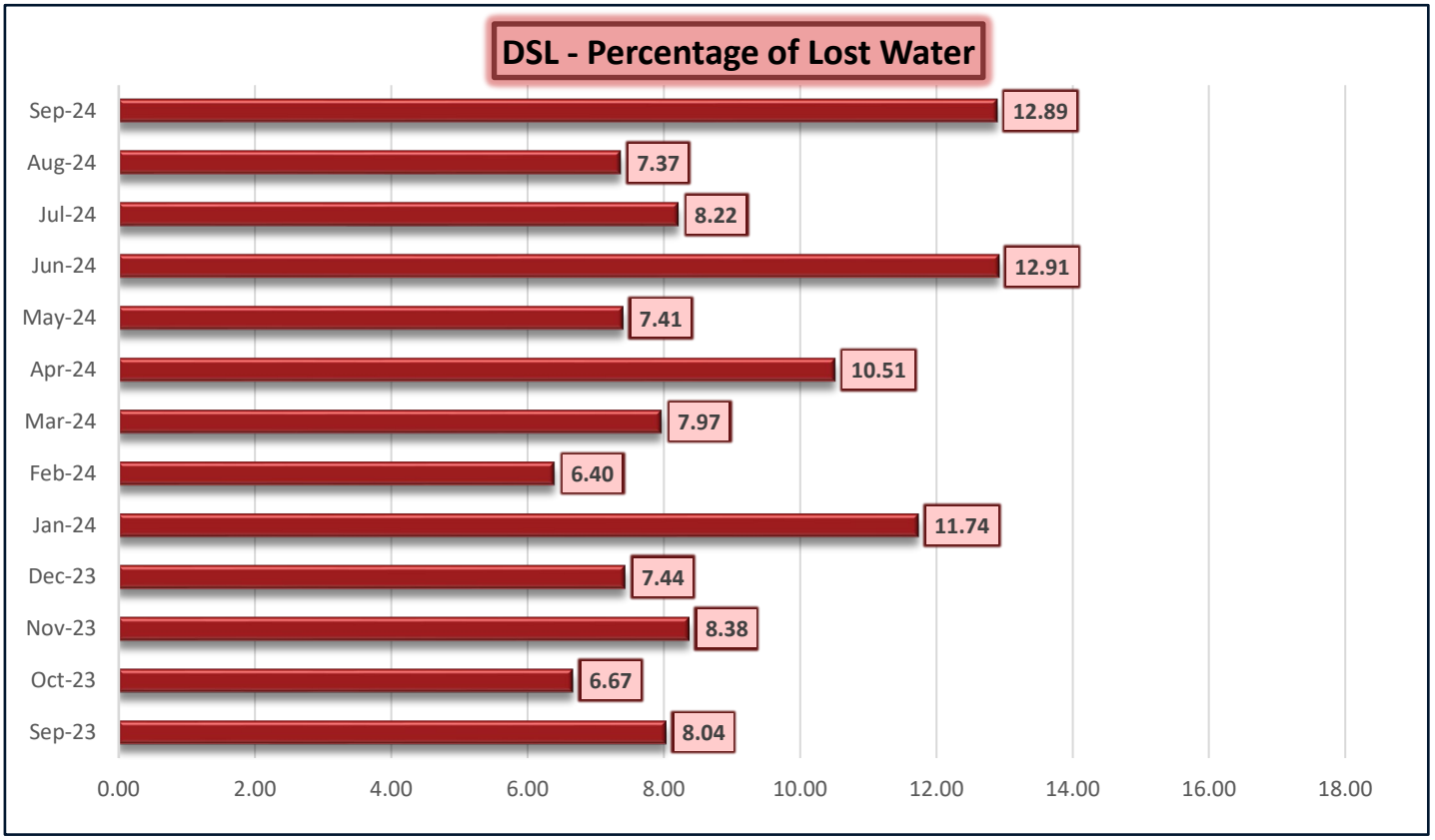
September 1, 2024	to	September 30, 2024	NWF Master Meter:	13.0115 mg
			SWF Master Meter:	0.0000 mg
			Accounted for Water:	11.3344 MG
			Total Water Pumped:	13.0115 MG

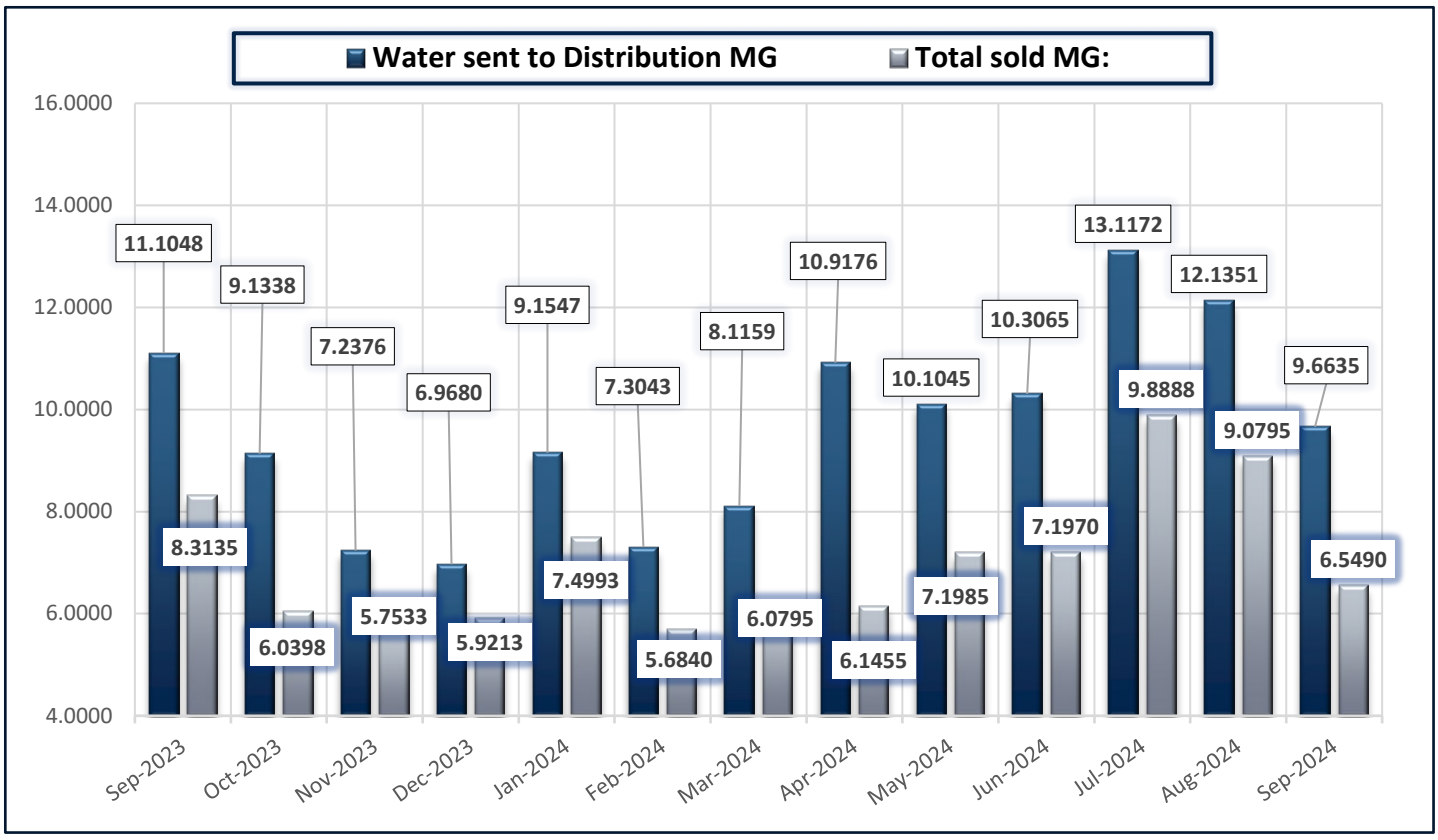
Metering Period

September 1, 2024	to	September 30, 2024	**Total Water Sold :**	6.5490 MG

September Accounted for Water:

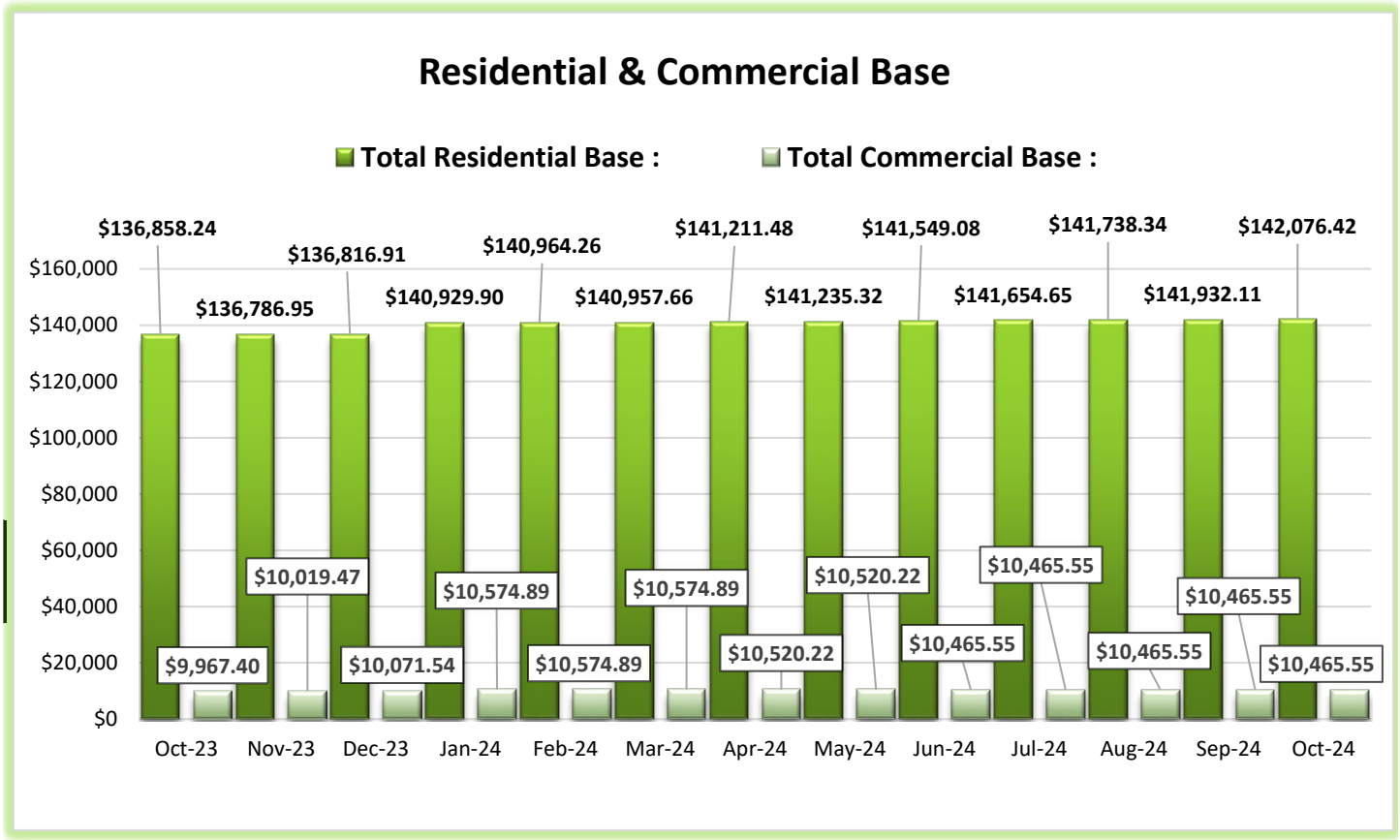
NWF Backwash :	0.4347 mg
SWF Backwash :	0.0000 mg
Distribution Flushing, Fire Dept, Pac Co & Waterline Leak Repair's:	4.3200 mg
NBWD use NWF & SWF:	0.0307 mg
Total Accounted for Water:	11.3344 MG
Total Water Treated :	13.0115 MG
Accounted for Water Used :	11.3344 MG
Water Sent to Distribution :	9.6635 MG
Water Sold :	6.5490 MG
Distribution Leakage :	1.6771 MG
Percent of Unaccounted for Water :	12.89 %

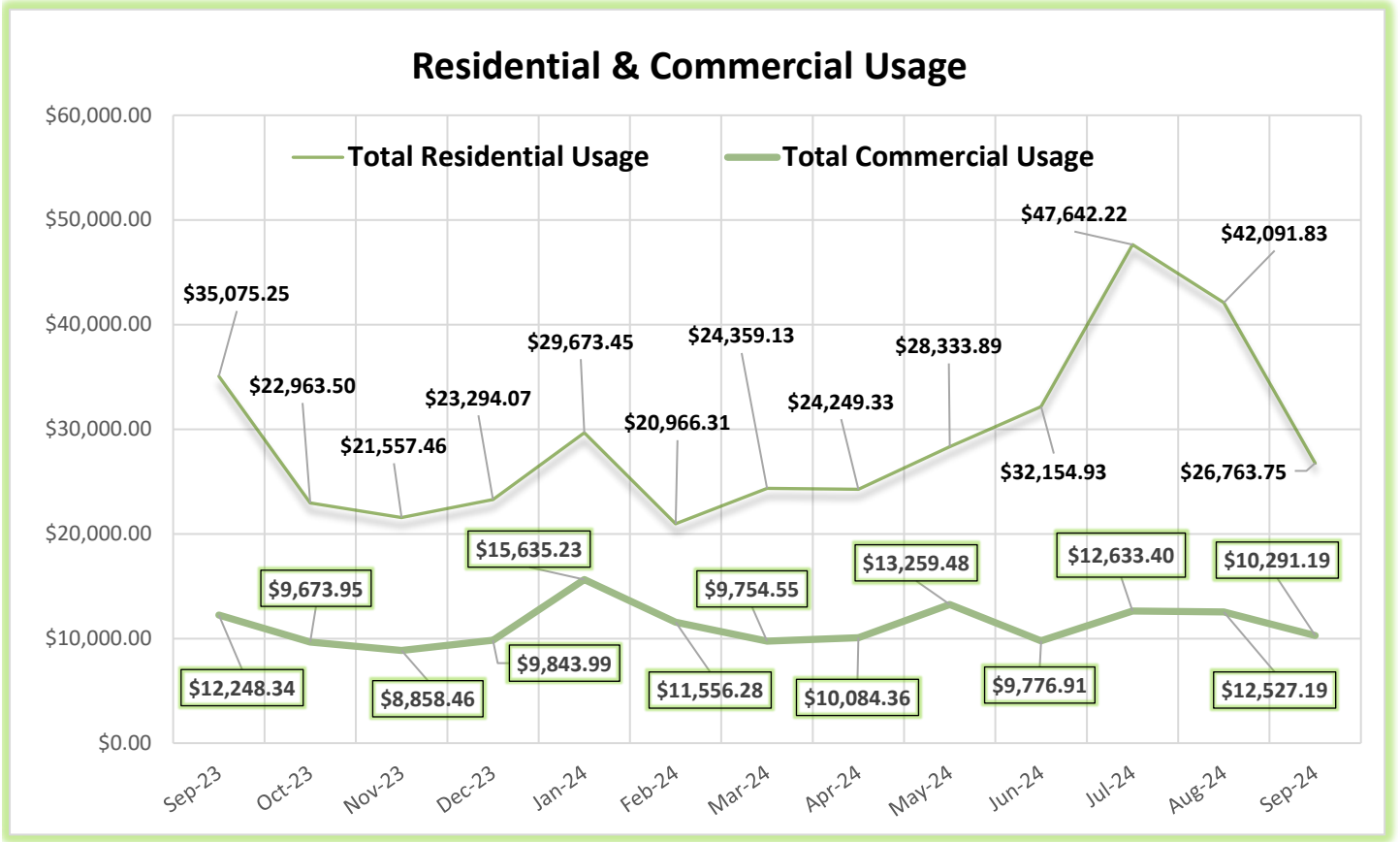

DSL - Percentage of Lost Water
Sep-24
Aug-24
Jul-24
Jun-24
May-24
Apr-24
Mar-24
Feb-24
Jan-24
Dec-23
Nov-23
Oct-23
Sep-23
12.89
7.37
8.22
12.91
7.41
10.51
7.97
6.40
11.74
7.44
8.38
6.67
8.04
0.00
2.00
4.00
6.00
8.00
10.00
12.00
14.00
16.00
18.00

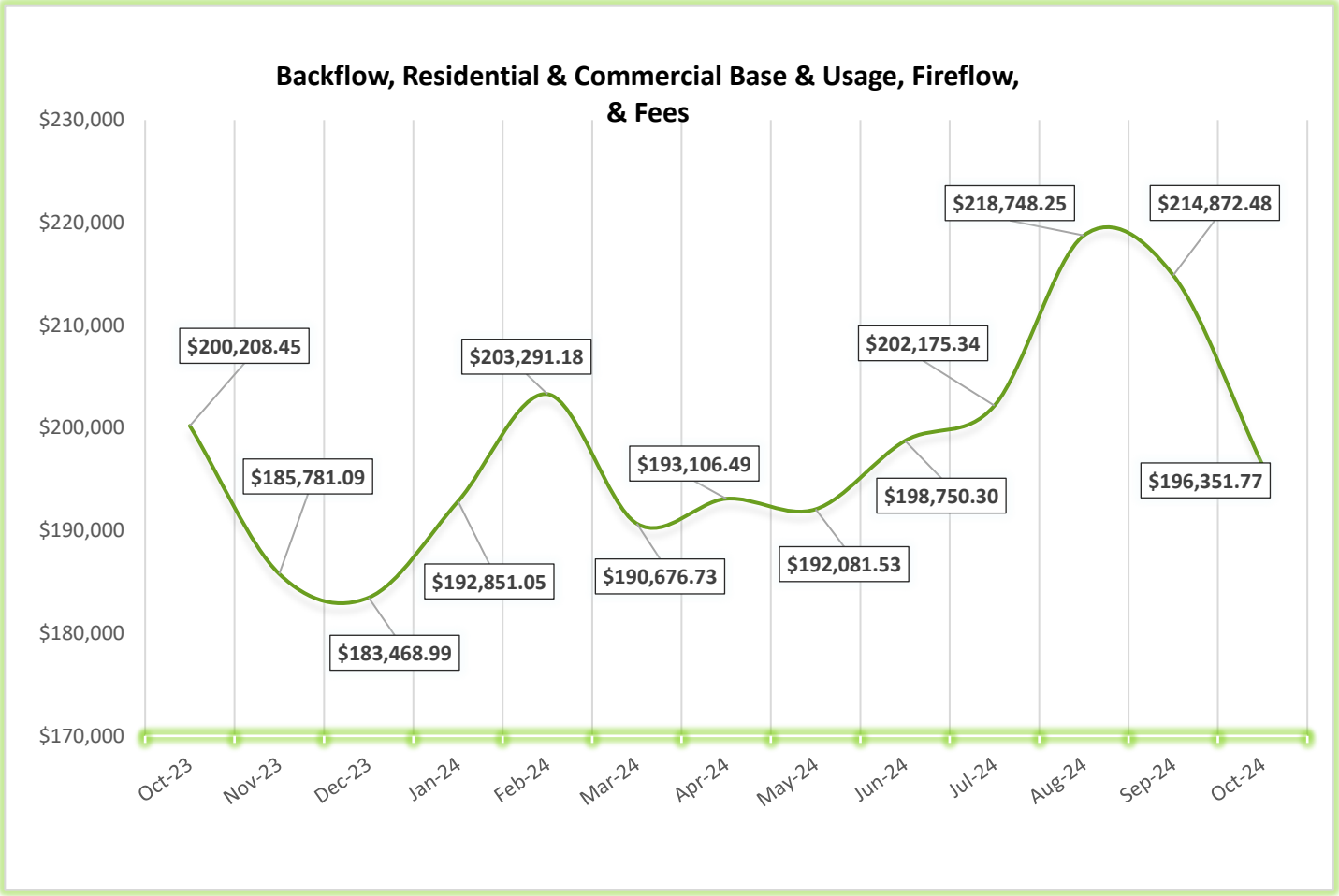

Water sent to Distribution MG
Total sold MG:
16.0000
14.0000
12.0000
10.0000
8.0000
6.0000
4.0000
11.1048
8.3135
9.1338
6.0398
7.2376
5.7533
6.9680
5.9213
9.1547
7.4993
7.3043
5.6840
8.1159
6.0795
10.9176
6.1455
10.1045
7.1985
10.3065
7.1970
13.1172
9.8888
12.1351
9.0795
9.6635
6.5490
Sep-2023
Oct-2023
Nov-2023
Dec-2023
Jan-2024
Feb-2024
Mar-2024
Apr-2024
May-2024
Jun-2024
Jul-2024
Aug-2024
Sep-2024

Data Period	October 1 -31, 2024	Booster System Data	
North Wellfield Booster High GPM :	1,272	*gpm*	
North Wellfield Booster Average GPM :	216	*gpm*	
North Wellfield High psi:	66	*psi*	
North Wellfield Average psi:	56	*psi*	
Total MG Booster pumped to Distribution at NWF:	**9.6635**	*MG*	
Total MG Booster pumped to Distribution at SWF:	**0**	*MG*	
Total Booster Pumped to Distribution :	**9.6635**	*MG*	
South Wellfield Booster High gpm:	156	*gpm*	
South Wellfield Booster Average gpm:	91	*gpm*	
South Wellfield Booster High psi:	64	*psi*	
South Wellfield Booster Average psi:	51	*psi*	
245th Distribution Pressure Readings :			
Highest	**66**	*psi*	
Lowest	**27**	*psi*	
Average	**54**	*psi*	

Data Period			Accounts Data		
October 1 -31, 2024			**Residential Base**	**$142,076.42**	*$*
September 1 - 30, 2024			**Residential Usage**	$26,763.75	*$*
October 1 -31, 2024			**Commercial Base**	**$10,465.55**	*$*
September 1 - 30, 2024			**Commercial Usage**	$10,291.19	*$*
Residential Accounts	2,802	*ea*	Fire Flow Rate	$1,346.65	*$*
Commercial Accounts	98	*ea*	Backflow Assembly Rate	$455.65	*$*
Fire Flow Accounts	4	*ea*	Other Fees & Charges	$4,952.56	*$*
Backflow Accounts	42	*ea*	Total:	$196,351.77	*$*

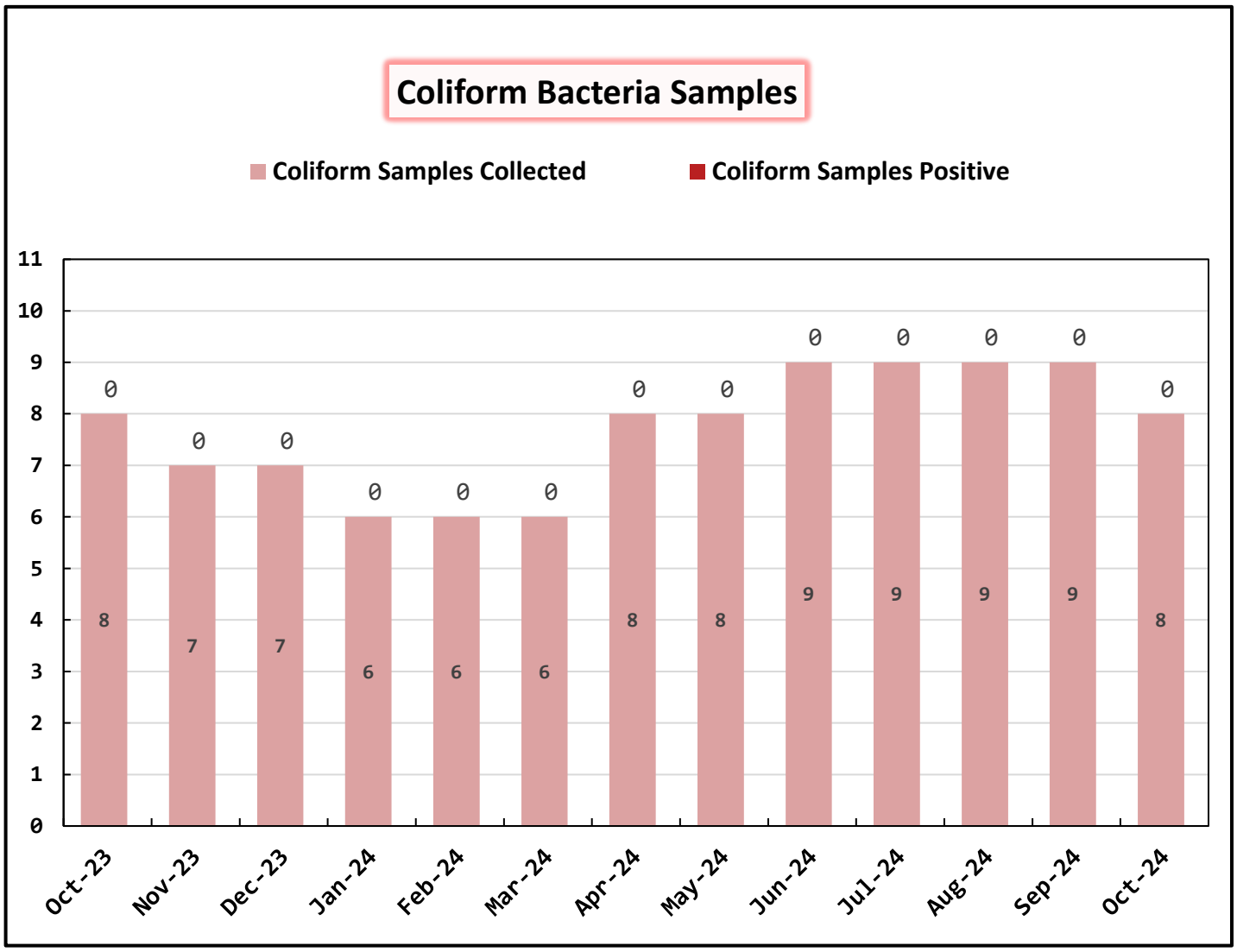

Residential & Commercial Base
Total Residential Base :
Total Commercial Base :
$160,000
$140,000
$120,000
$100,000
$80,000
$60,000
$40,000
$20,000
$0
$136,858.24
$136,786.95
$136,816.91
$140,929.90
$140,964.26
$140,957.66
$141,211.48
$141,235.32
$141,549.08
$141,654.65
$141,738.34
$141,932.11
$142,076.42
$9,967.40
$10,019.47
$10,071.54
$10,574.89
$10,574.89
$10,574.89
$10,520.22
$10,520.22
$10,465.55
$10,465.55
$10,465.55
$10,465.55
$10,465.55
Oct-23
Nov-23
Dec-23
Jan-24
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24

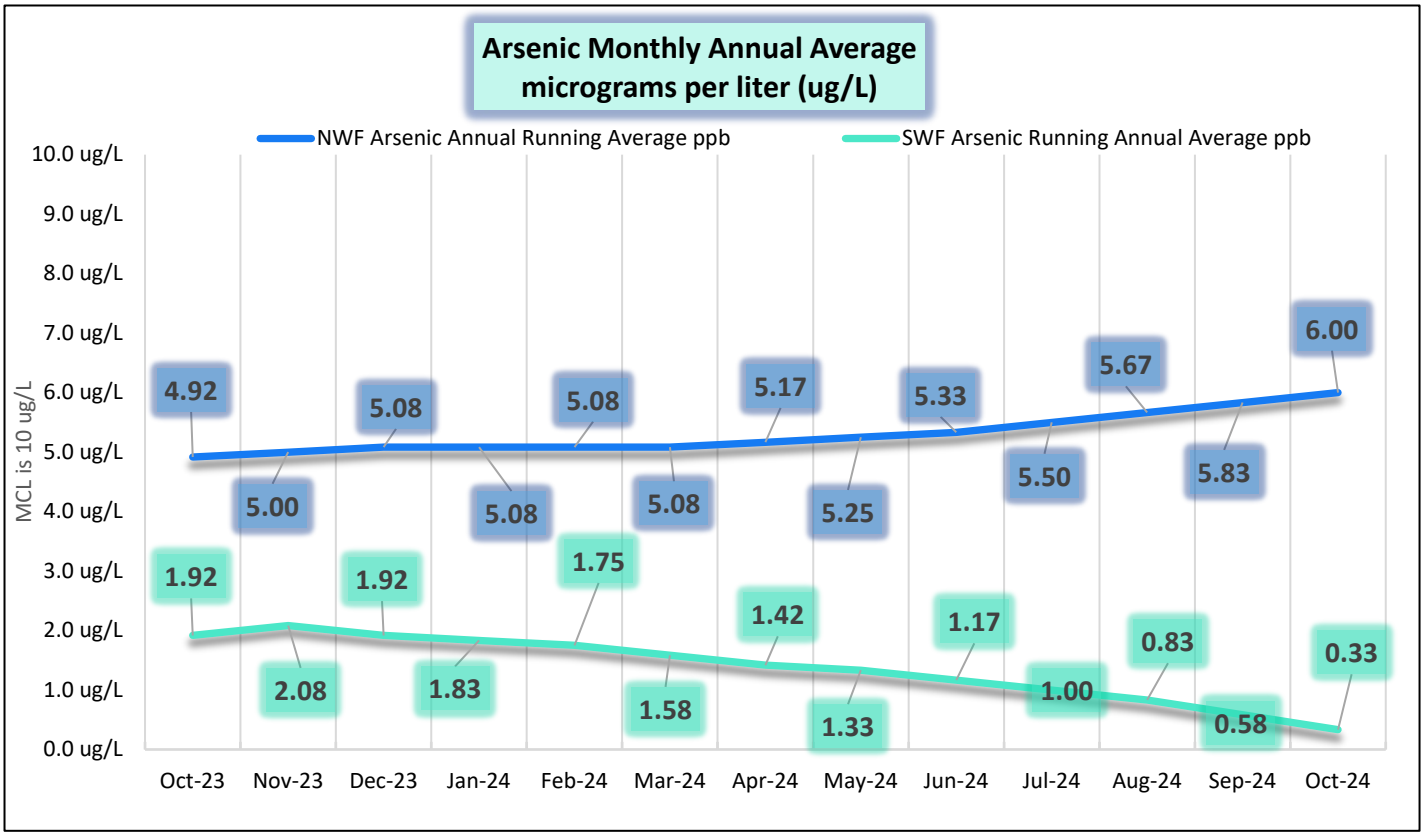

Residential & Commercial Usage
Total Residential Usage
Total Commercial Usage
$60,000.00
$50,000.00
$40,000.00
$30,000.00
$20,000.00
$10,000.00
$0.00
$35,075.25
$22,963.50
$21,557.46
$23,294.07
$29,673.45
$20,966.31
$24,359.13
$24,249.33
$28,333.89
$32,154.93
$47,642.22
$26,763.75
$42,091.83
$12,248.34
$9,673.95
$8,858.46
$15,635.23
$9,843.99
$11,556.28
$9,754.55
$10,084.36
$13,259.48
$9,776.91
$12,633.40
$12,527.19
$10,291.19
Sep-23
Oct-23
Nov-23
Dec-23
Jan-24
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24

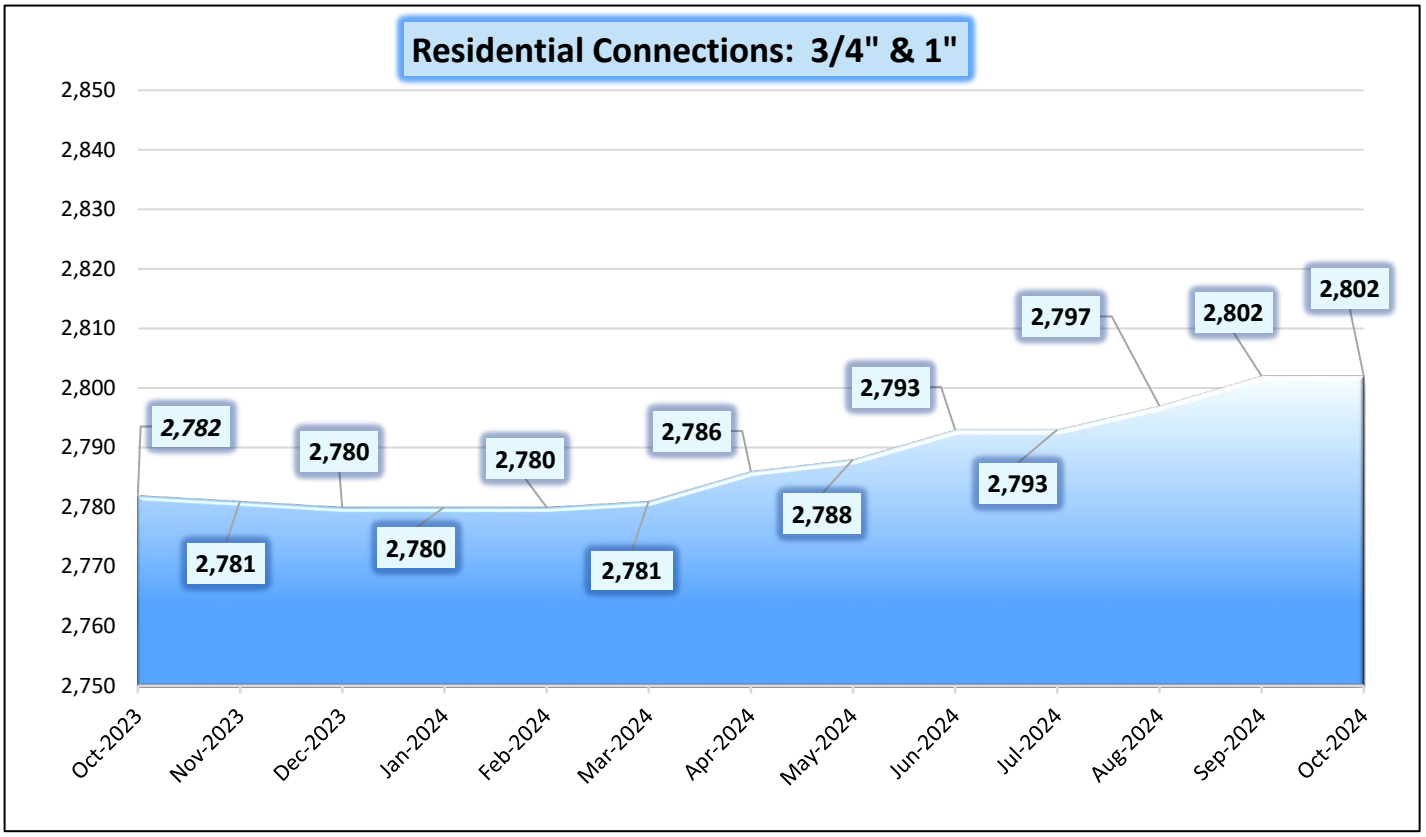


Data Period	October 1 -31, 2024	Operations Data		
		Past Due Accounts	249	*ea*
		Properties with Liens	17	*ea*
		Accounts Locked Off	2	*ea*
		Water Main Locates	25	*ea*
		Water Quality Complaints	0	*ea*
		Customer Service Calls	41	*ea*
		Customer Valves Installed	0	*ea*
		New Services Installed	6	*ea*
		NBWD Office & Grounds Water Use:	**0.0307**	*MG*

Data Period	October 1 -31, 2024	Water Quality Data		
		Coliform Samples Collected	8	ea
		Coliform Samples Absent	8	ea
		Coliform Samples Positive	0	ea
		Coliform Sample Positive E.coli	0	ea
		NWF Arsenic	7.00	ug/L
		SWF Arsenic	0.00	ug/L
		NWF Arsenic Annual Running Average	6.00	ug/L
		SWF Arsenic Running Annual Average	0.33	ug/L




Arsenic Monthly Annual Average micrograms per liter (ug/L)
NWF Arsenic Annual Running Average ppb
SWF Arsenic Running Annual Average ppb
MCL is 10 ug/L
10.0 ug/L
9.0 ug/L
8.0 ug/L
7.0 ug/L
6.0 ug/L
5.0 ug/L
4.0 ug/L
3.0 ug/L
2.0 ug/L
1.0 ug/L
0.0 ug/L
4.92
5.00
5.08
5.08
5.08
5.08
5.17
5.25
5.33
5.50
5.67
5.83
6.00
1.92
2.08
1.92
1.83
1.75
1.58
1.42
1.33
1.17
1.00
0.83
0.58
0.33
Oct-23
Nov-23
Dec-23
Jan-24
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24


Residential Connections: 3/4" & 1"
2,850
2,840
2,830
2,820
2,810
2,800
2,790
2,780
2,770
2,760
2,750
2,782
2,781
2,780
2,780
2,780
2,781
2,786
2,788
2,793
2,793
2,797
2,802
2,802
Oct-2023
Nov-2023
Dec-2023
Jan-2024
Feb-2024
Mar-2024
Apr-2024
May-2024
Jun-2024
Jul-2024
Aug-2024
Sep-2024
Oct-2024

General Managers Report for November's Meeting 2024

- The crew has finished up hydrant flushing, this wasn't just hydrants. We've installed 20 new blow offs at dead ends and there's more to install. Made a big difference. The blow offs at the end of ELM took two days to clean up. It had never been flushed that hard with that kind of volume. It really helped the rest of the system. Meaning that the dirty water wasn't consistently dragged throughout the system. It was removed at ELM.
  Replacing the old 1" & 1-1/4" blowoffs with 2" buried standpipes from my standpoint is the helping to clean up the system. This will be my focus until we've replaced everyone.

- Line Breaks
  Between 242nd PL and 245th ST at Y Lane. The crew responded to a leak observed. Leaking was a service line that had been crushed by tree roots. I was called to the site to find the 2" had been installed 25 feet on private property. We'll move it onto the R.O.W.

  At 213th PL, 3" PVC broke in half. Too much of a bind on the pipe is the culprit here.

  Broken gate valve stem at 273rd and Park.

- North Well Field has tested at the Maximum Contaminate Level (MCL) 0.010 mg/l or 10 ppb for Arsenic.
  During the recent system flushing the system Blending plan was used. This is a cookbook approach that was designed to run the North treatment plant to keep the Arsenic levels below the MCL of 10 parts per billion (ppb).
  All flows were achieved by valving down to obtain the designed flow rates. Max flow was 520 gpm atop of 120 sqft of filter area which by design was less than 4.5 gpm/sqft of filter surface area.
  Actually (4.33 gpm/sqft).
  Attached is the blending plan. I've contacted DOH to start using Ferric Chloride and a soda ash injection to keep the pH up to 7.5

- Budget focus is now the Treatment plants. Looking at the budgeted cost for the South Treatment Plant of $351,000.00. I expect it to be closer to $430,000.00. We have enough to fund this project and go for funding for the North Treatment facility which is estimated at $751,00.00.

- Vehicle cost, I'm seeing $45,000 & 49,000.00. Checking with state bid and Dave smiths in Idaho, Ford in Warrenton.

- Jack & Alice Day, who purchased the property at 25210 Z PL wanted to purchase another 9' on the east side boundary to the Northeast corner and 20 ft along the north boundary which would be to the trees. He'd pay all costs involved.

October Work Orders

Read/Leave On	6
Turn Off/Lock – Customer Request	4
Turn Off/Lock – Non-Payment	2
Interrogate Meter	8
Locates	25
Unlock/Turn On	8
Test Backflow	7
Miscellaneous	1
Replace Meter Box	0
Low Pressure	1
Check Customer Valves	0
Dirty Water Complaints	0
Replace Meter	0
Install New Service	6
Assist Customer	1
Check For Leak	6
Re-Read Meter	0
Install Customer Control Valve	0
Total	**75**