

NORTH BEACH WATER DISTRICT

GENERAL MANAGERS REPORT

For July's Meeting - 2023

Well Field Output

<u>June 1, 2023</u>	to	<u>June 30, 2023</u>	NWF Master Meter:	<u>7.2828</u>	mg
			SWF Master Meter:	<u>4.8723</u>	mg
			Total Pumped to Plant:	<u>12.1551</u>	MG

May Water Plant Production

<u>May 1, 2023</u>	to	<u>May 31, 2023</u>	NWF Master Meter:	<u>6.1812</u>	mg
			SWF Master Meter:	<u>4.4191</u>	mg
			Accounted for Water:	<u>1.6202</u>	MG
			Total Water Pumped:	<u>10.6003</u>	MG

Metering Period

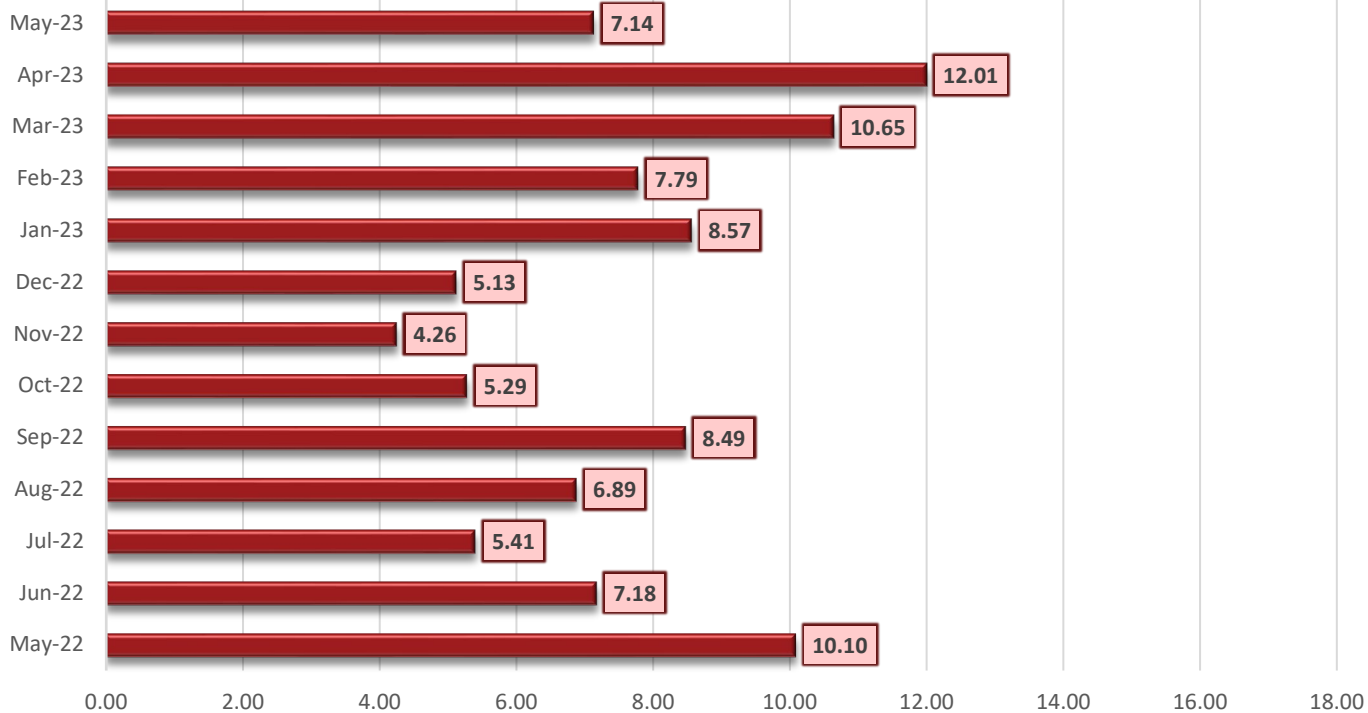
<u>May 1, 2023</u>	to	<u>May 31, 2023</u>	Total Water Sold :	<u>8.3385</u>	MG
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May's Accounted for Water:

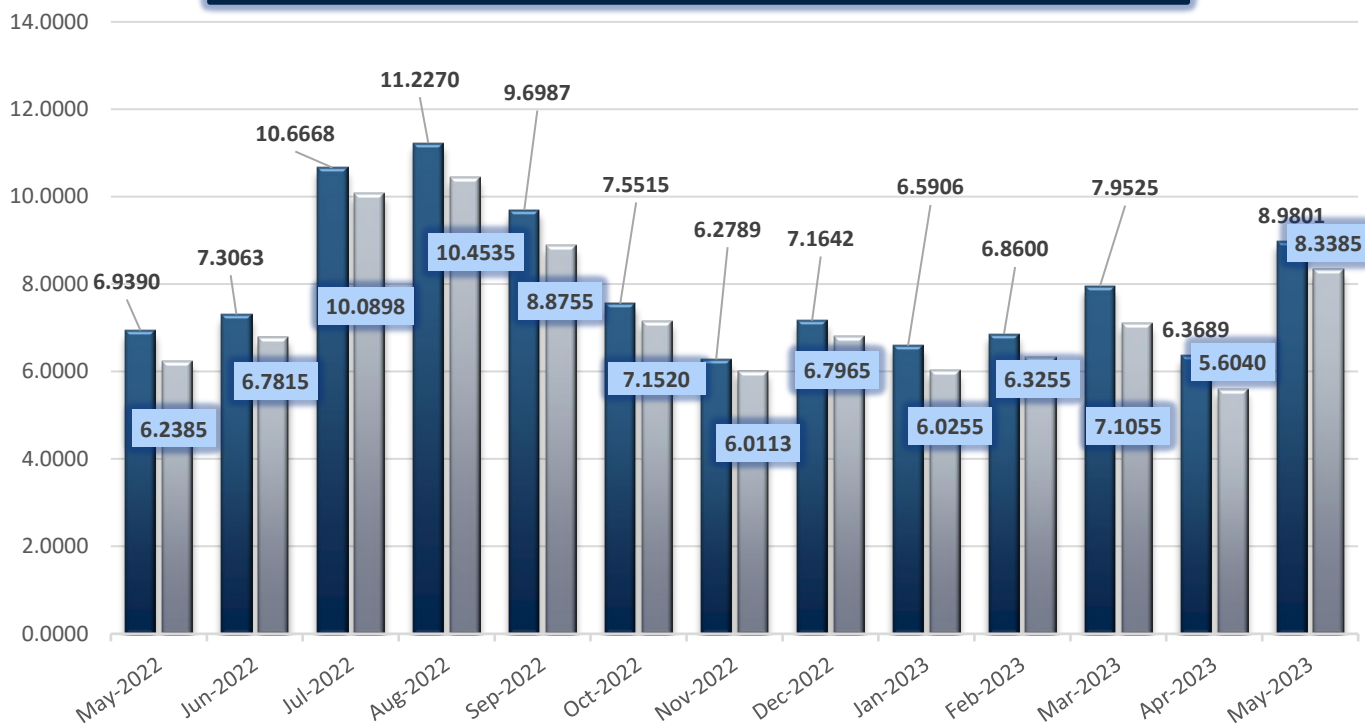
	NWF Backwash :	<u>0.3337</u>	mg
	SWF Backwash :	<u>0.8532</u>	mg
Distribution Flushing, Fire Dept, Pac Co & Waterline Leak Repair's:		<u>0.3914</u>	mg
	NBWD use NWF & SWF:	<u>0.0419</u>	mg
	Total Accounted for Water:	<u>1.6202</u>	MG

	Total Water Treated :	<u>10.6003</u>	MG
	Accounted for Water Used :	<u>1.6202</u>	MG
	Water Sent to Distribution :	<u>8.9801</u>	MG
	Water Sold :	<u>8.3385</u>	MG
	Distribution Leakage :	<u>0.6416</u>	MG
	Percent of Unaccounted for Water :	<u>7.14</u>	%

DSL - Percentage of Lost Water



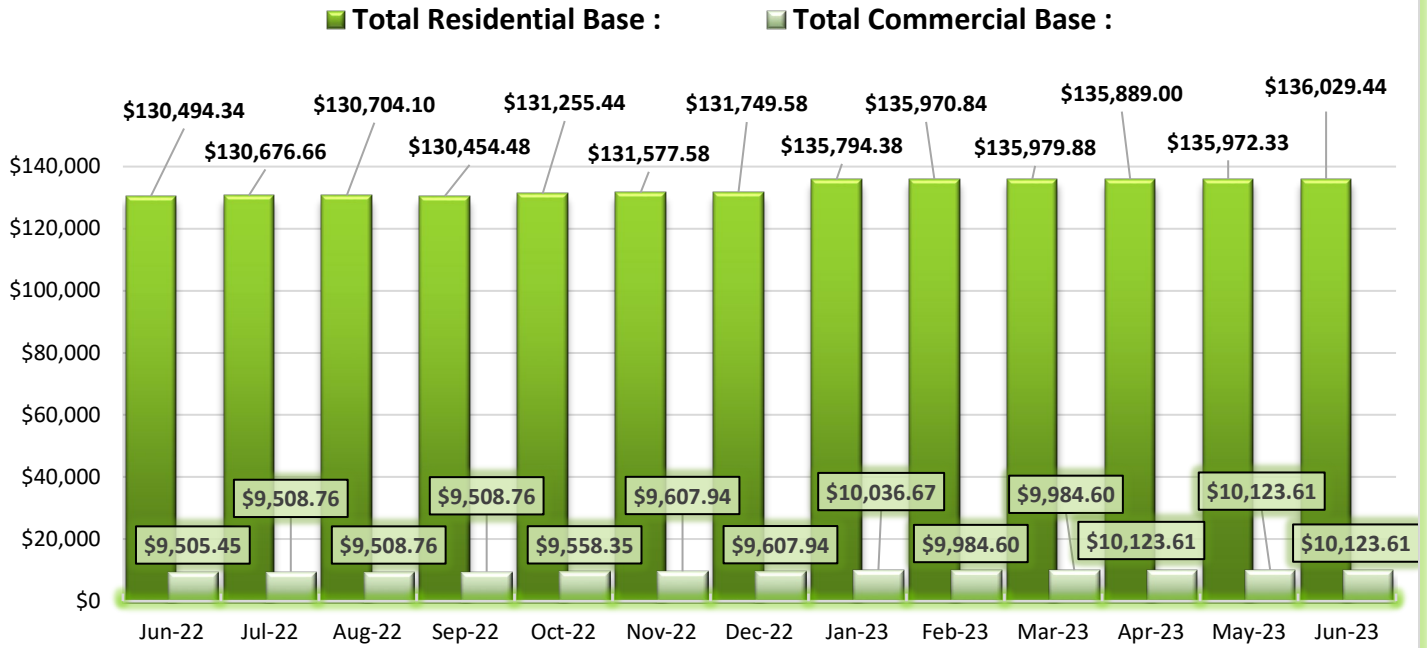
Water sent to Distribution MG vs Total sold MG



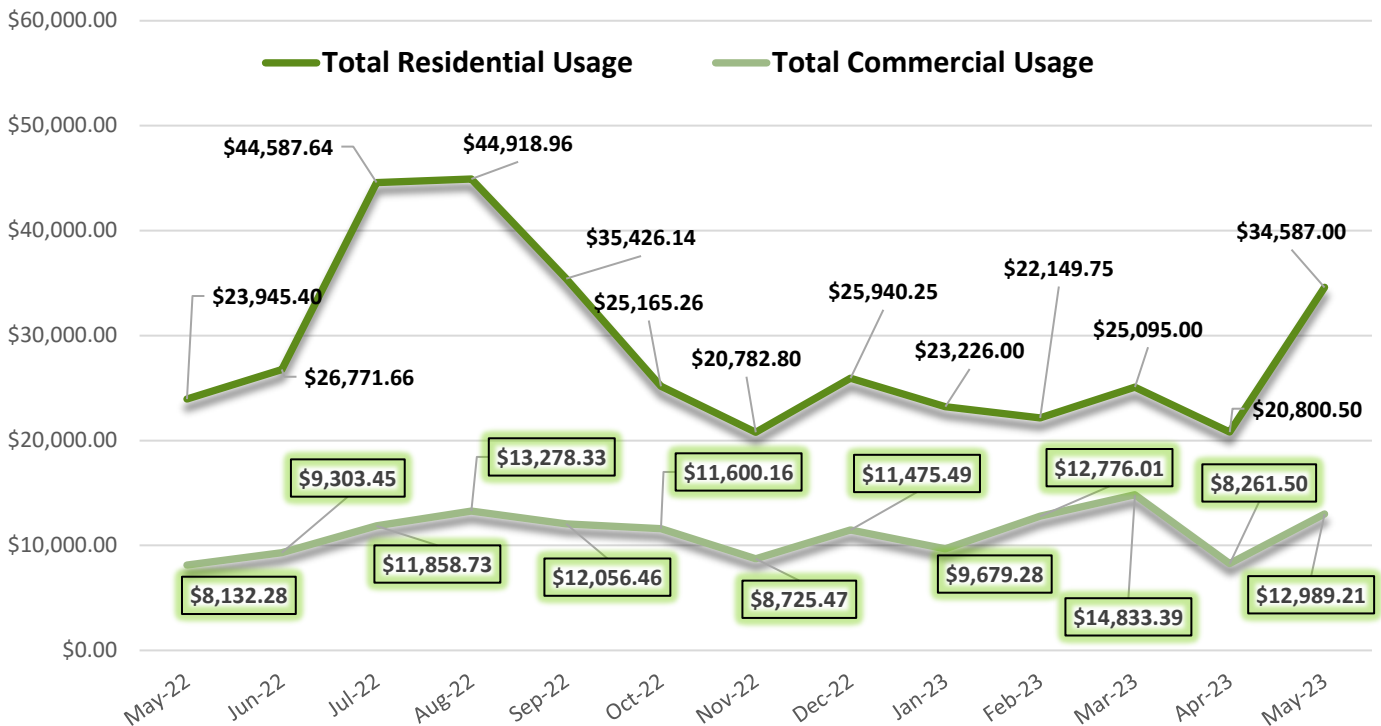
Data Period	June 1st-30th, 2023		Booster System Data	
	North Wellfield Booster High GPM :	377		<i>gpm</i>
	North Wellfield Booster Average GPM :	157		<i>gpm</i>
	North Wellfield High psi:	60		<i>psi</i>
	North Wellfield Average psi:	56		<i>psi</i>
	Total MG Booster pumped to Distribution at NWF:	6.8542		<i>MG</i>
	Total MG Booster pumped to Distribution at SWF:	4.3646		<i>MG</i>
	Total Booster Pumped to Distribution :	11.2188		<i>MG</i>
	South Wellfield Booster High gpm:	1,192		<i>gpm</i>
	South Wellfield Booster Average gpm:	106		<i>gpm</i>
	South Wellfield Booster High psi:	65		<i>psi</i>
	South Wellfield Booster Average psi:	57		<i>psi</i>
	245th Distribution Pressure Readings :			
		Highest	64	<i>psi</i>
		Lowest	41	<i>psi</i>
		Average	58	<i>psi</i>

Data Period			Accounts Data		
June 1 - 30, 2023			Residential Base	\$136,029.44	\$
May 1 - 31, 2023			Residential Usage	\$34,587.00	\$
June 1 - 30, 2023			Commercial Base	\$10,123.61	\$
May 1 - 31, 2023			Commercial Usage	\$12,989.21	\$
Residential Accounts	2,766	<i>ea</i>	Fire Flow Rate	\$1,282.52	\$
Commercial Accounts	101	<i>ea</i>	Backflow Assembly Rate	\$434.80	\$
Fire Flow Accounts	4	<i>ea</i>	Other Fees & Charges	\$5,007.00	\$
Backflow Accounts	39	<i>ea</i>	Total:	\$200,453.58	\$

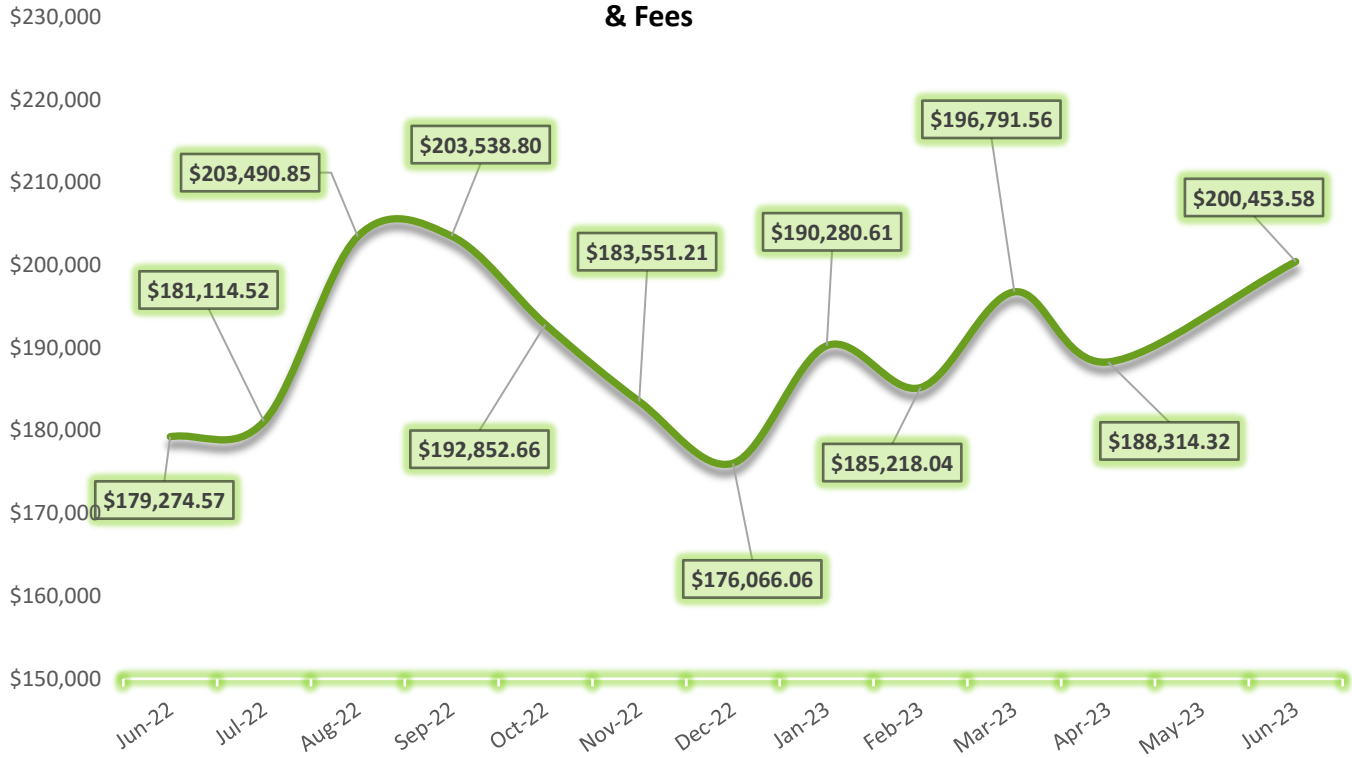
Residential & Commercial Base



Residential & Commercial Usage

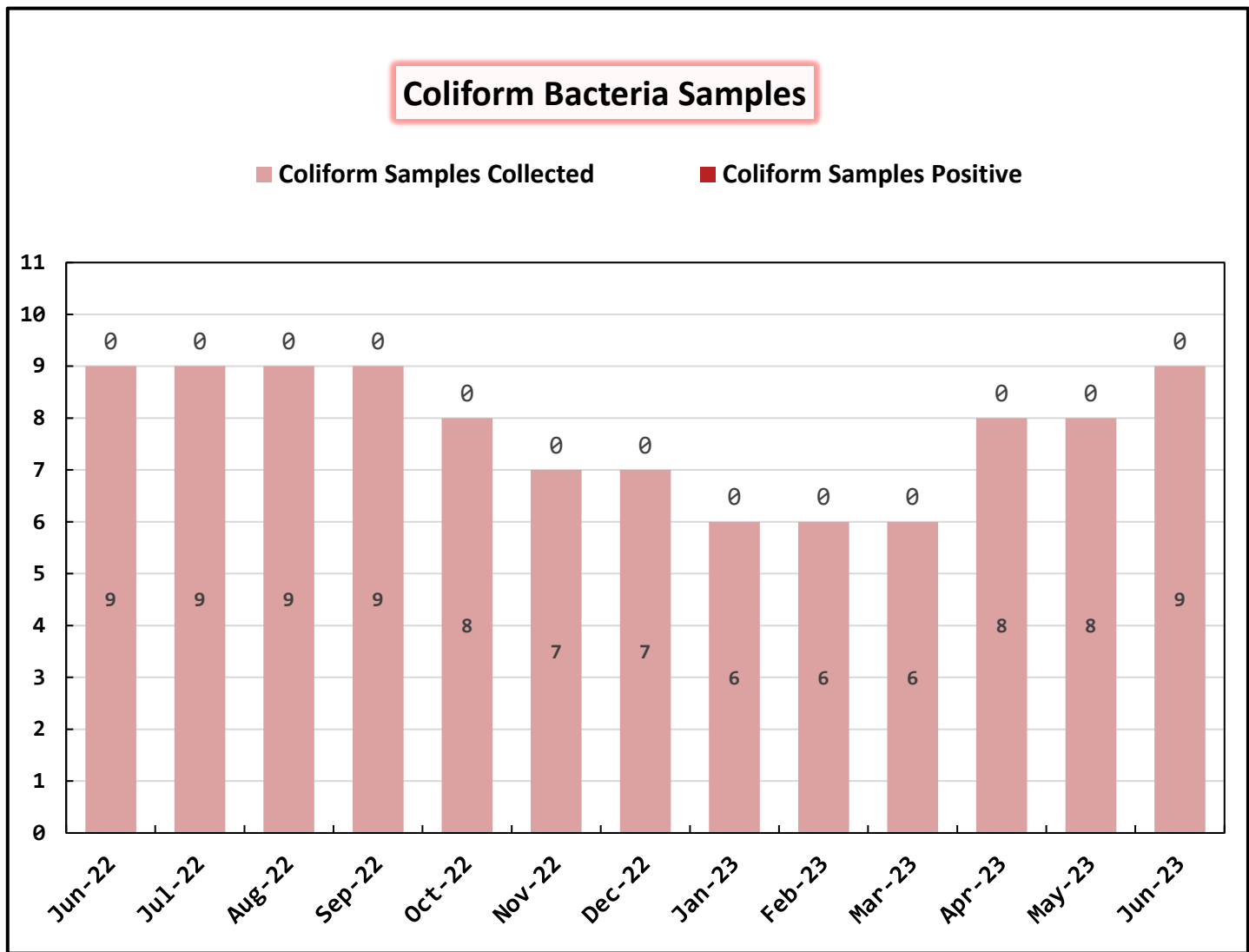


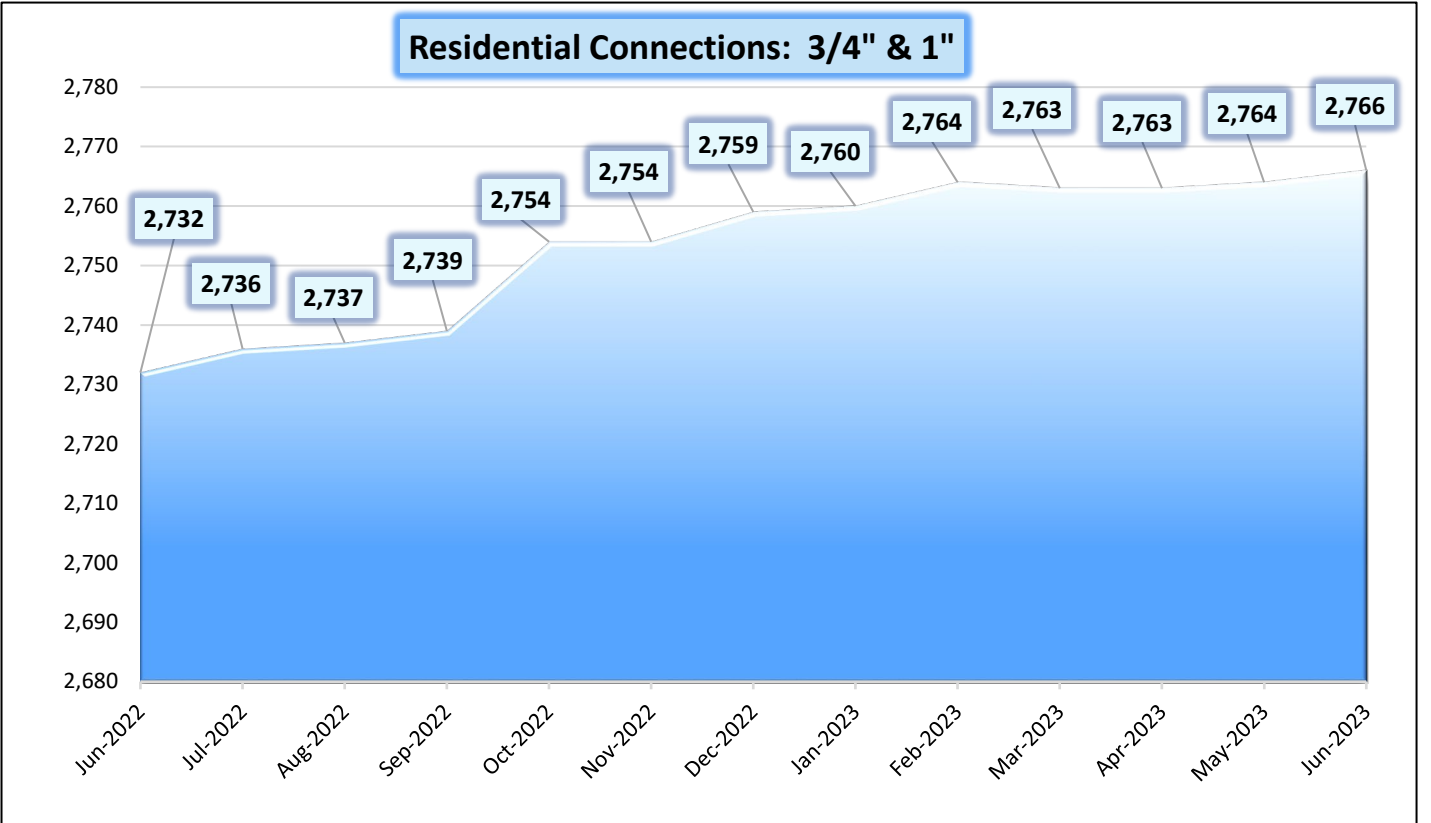
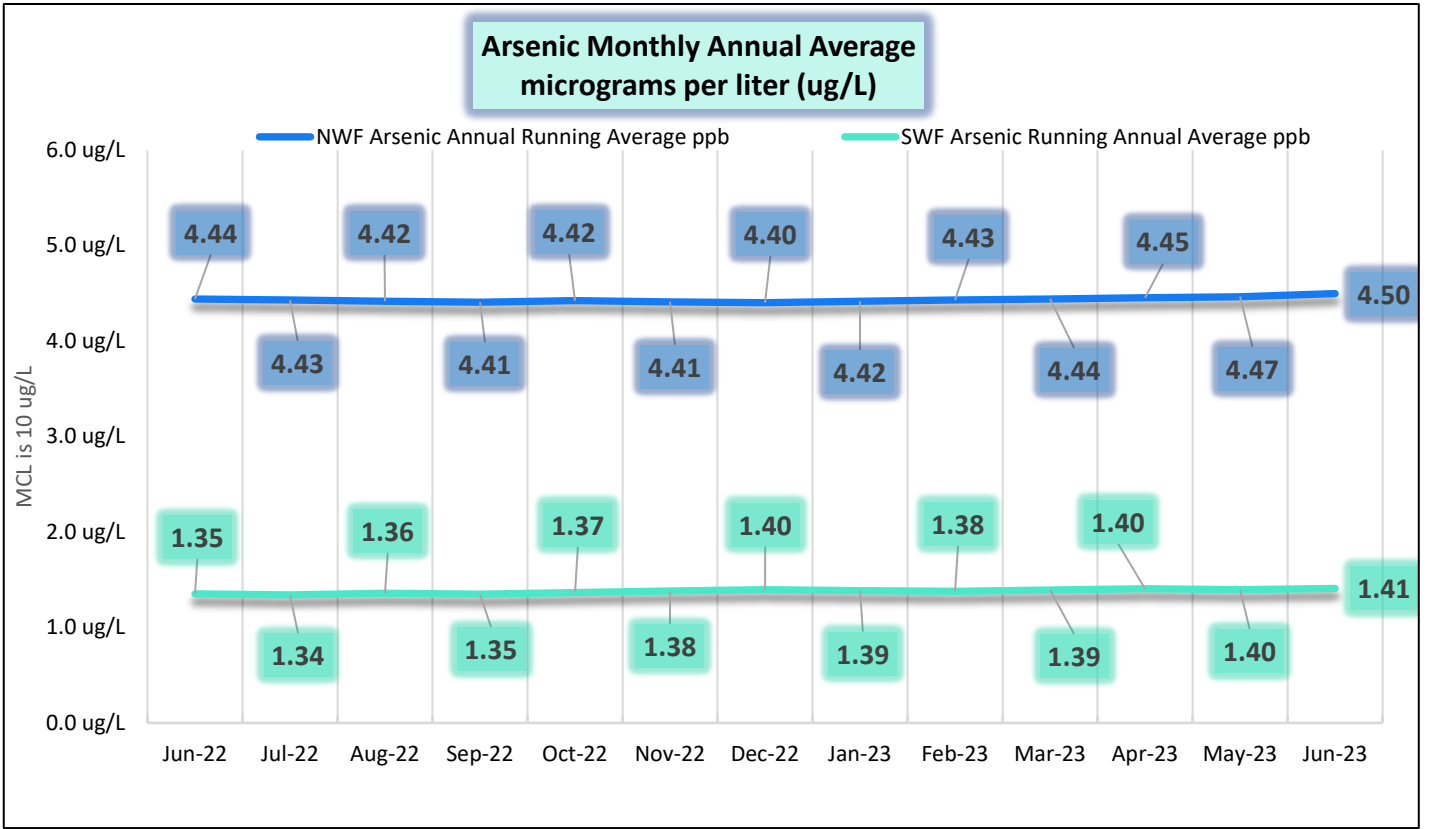
Backflow, Residential & Commercial Base & Usage, Fireflow, & Fees



Data Period	June 1 - 30, 2023	Operations Data	
	Past Due Accounts	233	<i>ea</i>
	Properties with Liens	21	<i>ea</i>
	Accounts Locked Off	4	<i>ea</i>
	Water Main Locates	44	<i>ea</i>
	Water Quality Complaints	3	<i>ea</i>
	Customer Service Calls	63	<i>ea</i>
	Customer Valves Installed	1	<i>ea</i>
	New Services Installed	3	<i>ea</i>
	NBWD Office & Grounds Water Use:	<u>0.0419</u>	<i>MG</i>

Data Period	May 1 - 31, 2023		Water Quality Data	
	Coliform Samples Collected	9	<i>ea</i>	
	Coliform Samples Absent	9	<i>ea</i>	
	Coliform Samples Positive	0	<i>ea</i>	
	Coliform Sample Positive E.coli	0	<i>ea</i>	
	NWF Arsenic	6.00	<i>ug/L</i>	
	SWF Arsenic	2.00	<i>ug/L</i>	
	NWF Arsenic Annual Running Average	4.50	<i>ug/L</i>	
	SWF Arsenic Running Annual Average	1.41	<i>ug/L</i>	





General Managers' report July 2023

- We chased down dirty water complaints at 253rd, 254th and Park Avenue. We dug up all but three valves along Park and Highway 103 from 249th to 256th.

First, we made sure they were on. Found two valves not open. They were completely buried. We placed new risers on all valves found.

Second, we made sure they were not broken at the handle. Which usually happens to old gate valves, the shaft breaks and the valve seats itself on the bottom. Found one valve we have been looking for, for years.

We also found some of the weirdest piping installations that I have ever seen and why they did it that way is anybody's guess.

We still have some investigating to do. Then I will plan how we will go about fixing it. Need to straighten this pipe configuration to undo the restrictions and eliminate stubbed out dead ends.

What is happening is the water is moving slowly through and at times not at all, these tend to collect sediment. Like an eddy does. Then there is a high demand, and it gets mixed into the mainline running down Park Avenue and the highway.

- June was a busy month for us with DOH required water testing.
 - Radionuclides - Gross Alpha, Radium 228.
 - Disinfection By Products – Trihalomethanes and Halo Acetic Acid.
 - Nitrates - North Well Field.All tests were below the maximum detection level.
- Cross connection onsite inspections continue. Very interesting findings.

June Work Orders

Read/Leave On	10
Turn Off/Lock – Customer Request	7
Turn Off/Lock – Non-Payment	4
Interrogate Meter	6
Locates	44
Unlock/Turn On	10
Test Backflow	4
Miscellaneous	0
Replace Meter Box	0
Low Pressure	1
Check Customer Valves	0
Dirty Water Complaints	3
Replace Meter	3
Install New Service	3
Assist Customer	3
Check For Leak	9
Re-Read Meter	1
Install Customer Control Valve	1
Total	109