

# NORTH BEACH WATER DISTRICT

## GENERAL MANAGERS REPORT

July Meeting - 2024

### Well Field Output

<u>June 1, 2024</u>	to	<u>June 30, 2024</u>	NWF Master Meter:	<u>10.9410</u>	mg
			SWF Master Meter:	<u>0.0000</u>	mg
			<b>Total Pumped to Plant:</b>	<b><u>10.9410</u></b>	<b>MG</b>

### Water Plant Production

<u>May 1, 2024</u>	to	<u>May 31, 2024</u>	NWF Master Meter:	<u>11.5899</u>	mg
			SWF Master Meter:	<u>0.0000</u>	mg
			Accounted for Water:	<u>10.7314</u>	MG
			<b>Total Water Pumped:</b>	<b><u>11.5899</u></b>	<b>MG</b>

### Metering Period

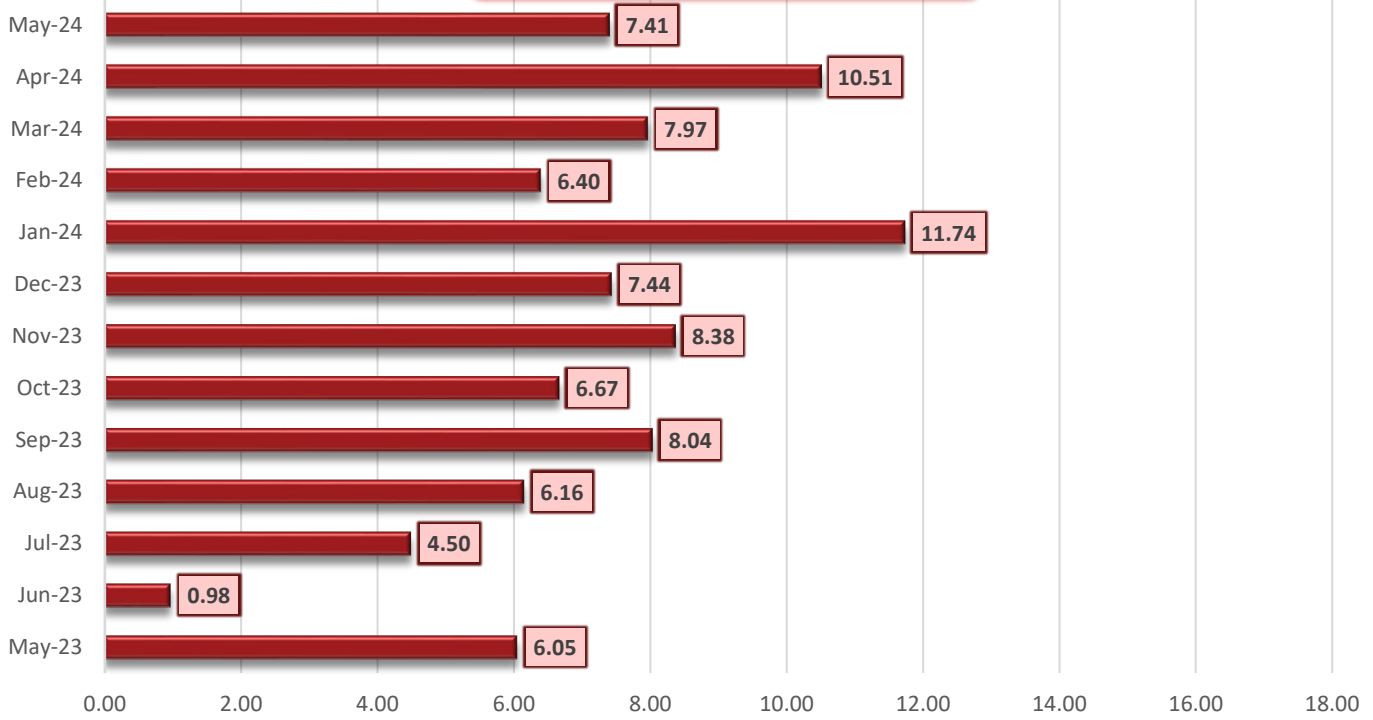
<u>May 1, 2024</u>	to	<u>May 31, 2024</u>	<b>Total Water Sold :</b>	<b><u>7.1985</u></b>	<b>MG</b>
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### May's Accounted for Water:

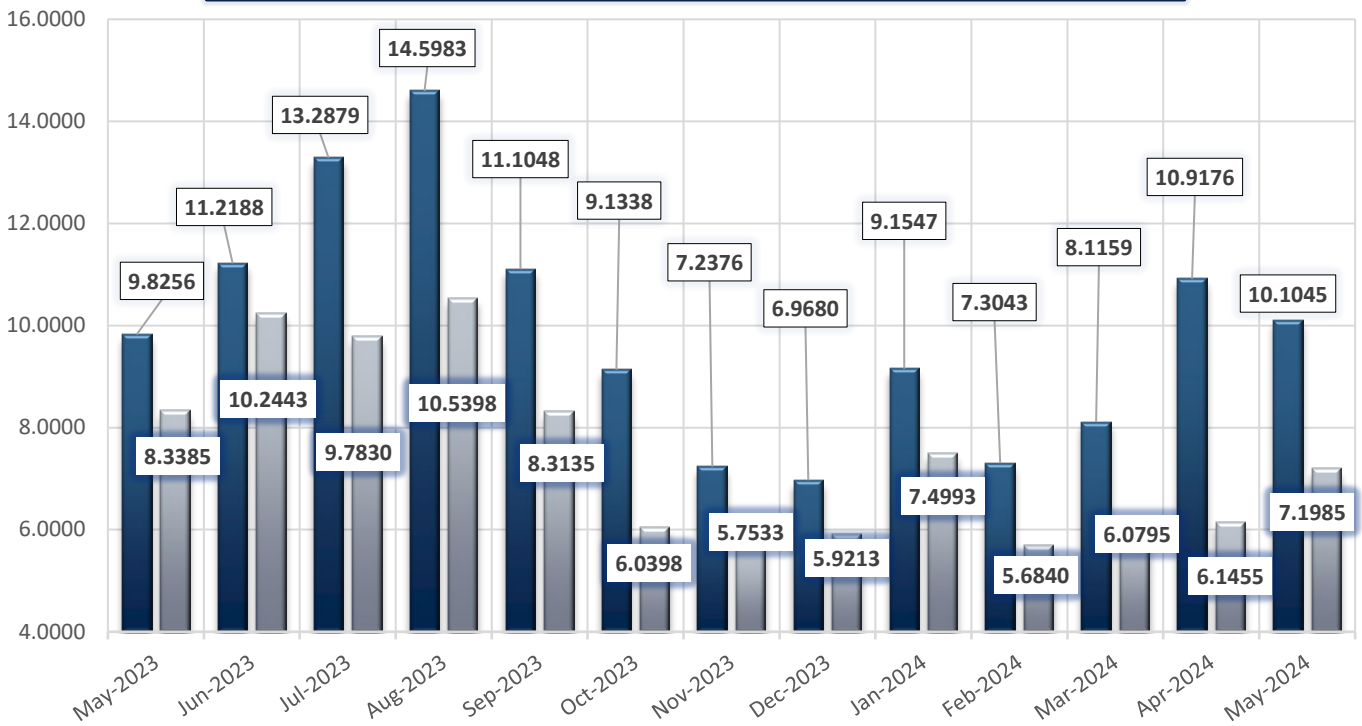
	NWF Backwash :	<u>0.4886</u>	mg
	SWF Backwash :	<u>0.0000</u>	mg
Distribution Flushing, Fire Dept, Pac Co & Waterline Leak Repair's:		<u>2.9830</u>	mg
	NBWD use NWF & SWF:	<u>0.0613</u>	mg
	<b>Total Accounted for Water:</b>	<b><u>10.7314</u></b>	<b>MG</b>

	Total Water Treated :	<u>11.5899</u>	MG
	Accounted for Water Used :	<u>10.7314</u>	MG
	Water Sent to Distribution :	<u>10.1045</u>	MG
	Water Sold :	<u>7.1985</u>	MG
	Distribution Leakage :	<u>0.8585</u>	MG
	<b>Percent of Unaccounted for Water :</b>	<b>7.41</b>	<b>%</b>

### DSL - Percentage of Lost Water



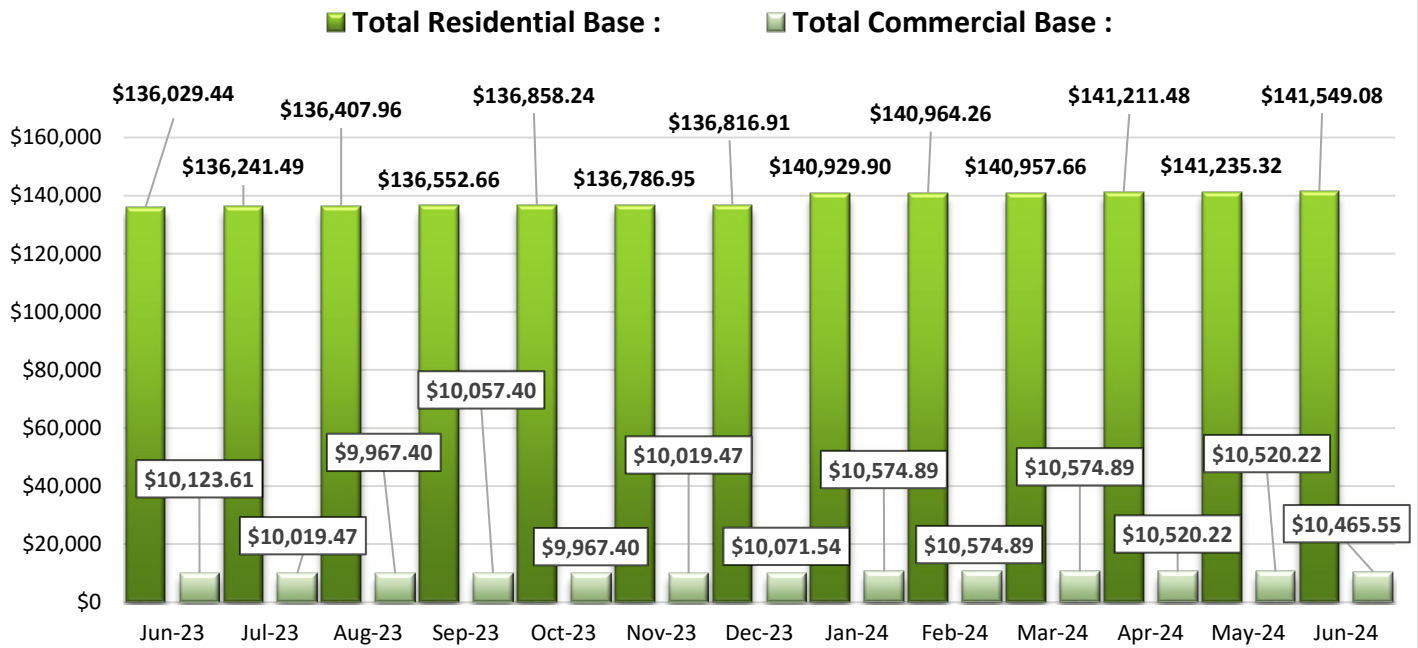
### Water sent to Distribution MG    Total sold MG:



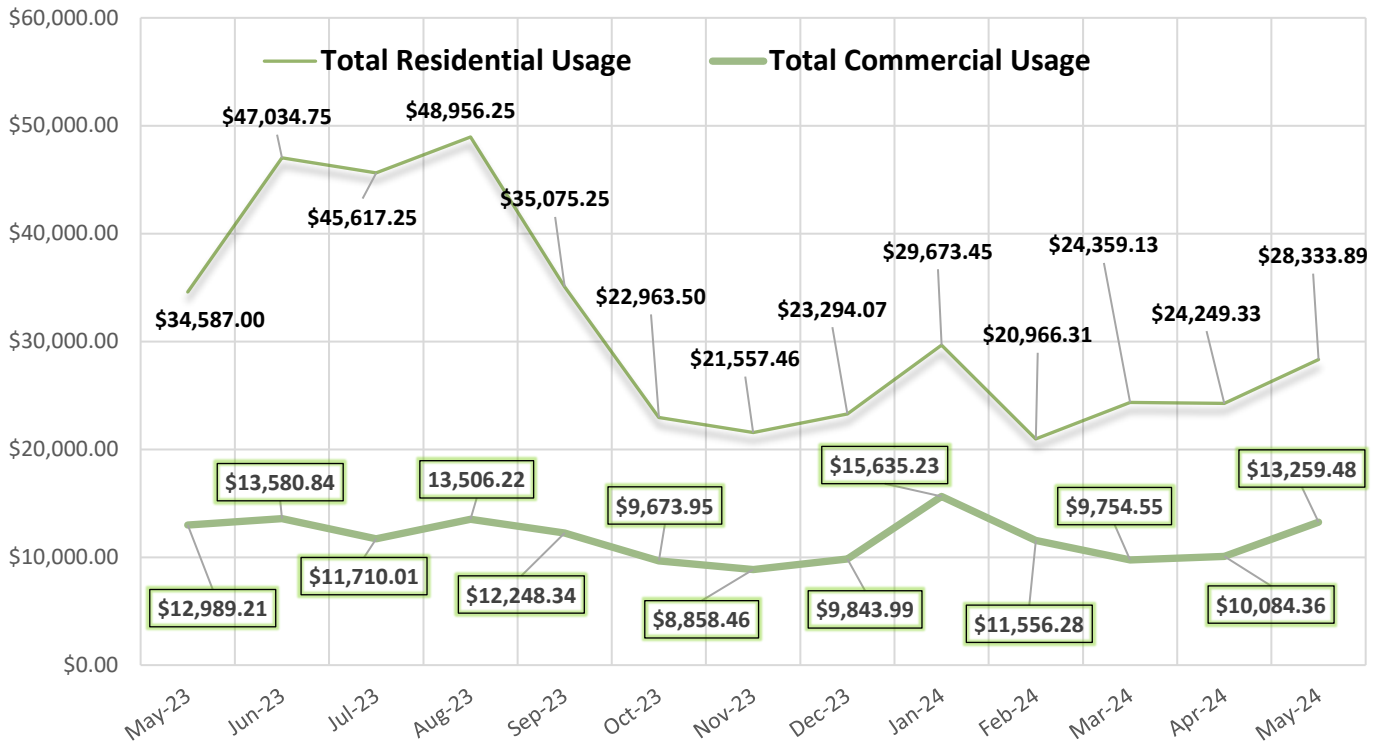
Data Period	June 1 -30, 2024		Booster System Data	
			North Wellfield Booster High GPM :	889 <i>gpm</i>
			North Wellfield Booster Average GPM :	237 <i>gpm</i>
			North Wellfield High psi:	64 <i>psi</i>
			North Wellfield Average psi:	56 <i>psi</i>
			Total MG Booster pumped to Distribution at NWF:	10.3065 <i>MG</i>
			Total MG Booster pumped to Distribution at SWF:	0 <i>MG</i>
			Total Booster Pumped to Distribution :	10.3065 <i>MG</i>
			South Wellfield Booster High gpm:	161 <i>gpm</i>
			South Wellfield Booster Average gpm:	90 <i>gpm</i>
			South Wellfield Booster High psi:	67 <i>psi</i>
			South Wellfield Booster Average psi:	56 <i>psi</i>
			245th Distribution Pressure Readings :	
			Highest	62 <i>psi</i>
			Lowest	40 <i>psi</i>
			Average	56 <i>psi</i>

Data Period		Accounts Data		
June 1 -30, 2024		Residential Base		\$141,549.08 \$
May 1 - 31, 2024		Residential Usage		\$28,333.89 \$
June 1 -30, 2024		Commercial Base		\$10,465.55 \$
May 1 - 31, 2024		Commercial Usage		\$13,259.48 \$
Residential Accounts	2,793	<i>ea</i>	Fire Flow Rate	\$1,346.65 \$
Commercial Accounts	98	<i>ea</i>	Backflow Assembly Rate	\$455.65 \$
Fire Flow Accounts	4	<i>ea</i>	Other Fees & Charges	\$3,340.00 \$
Backflow Accounts	42	<i>ea</i>	Total:	\$198,750.30 \$

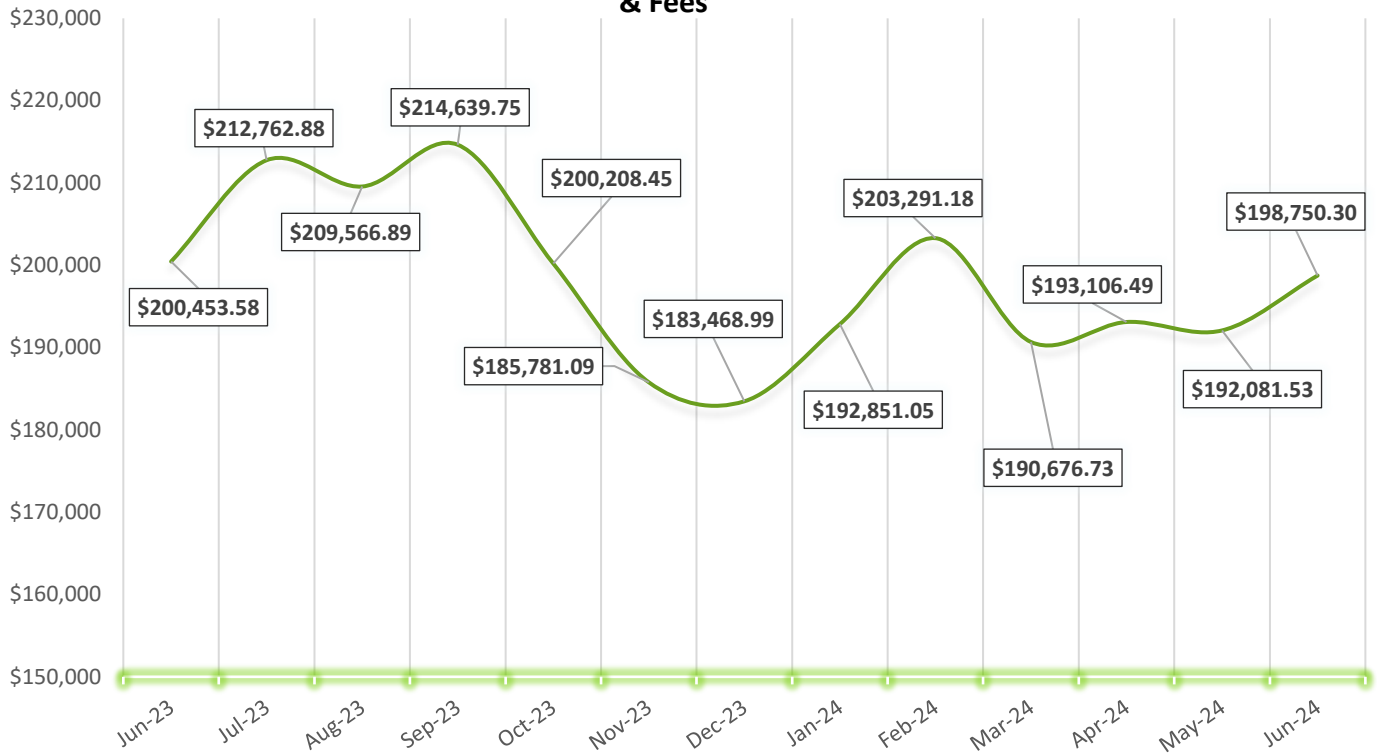
## Residential & Commercial Base



## Residential & Commercial Usage

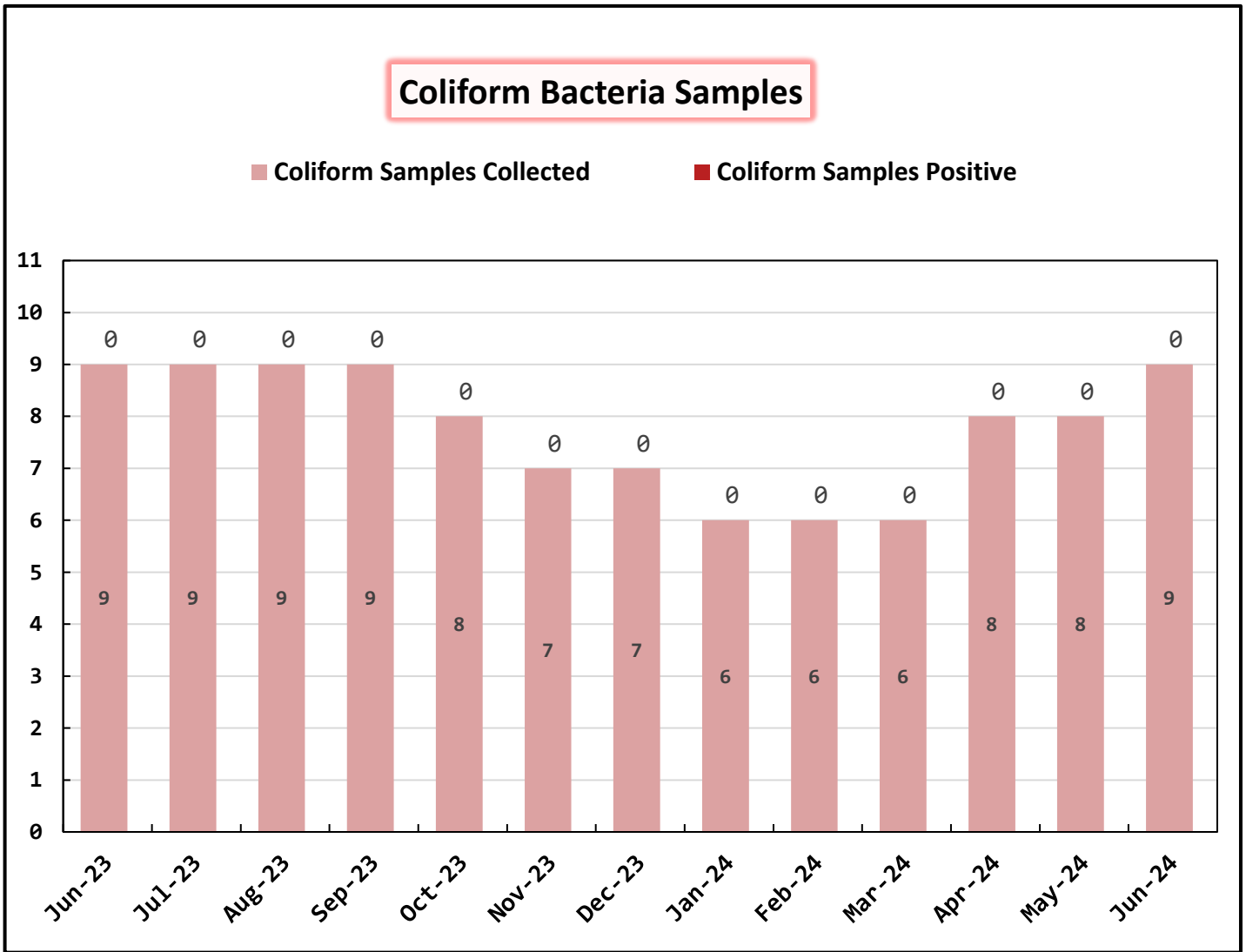


### Backflow, Residential & Commercial Base & Usage, Fireflow, & Fees

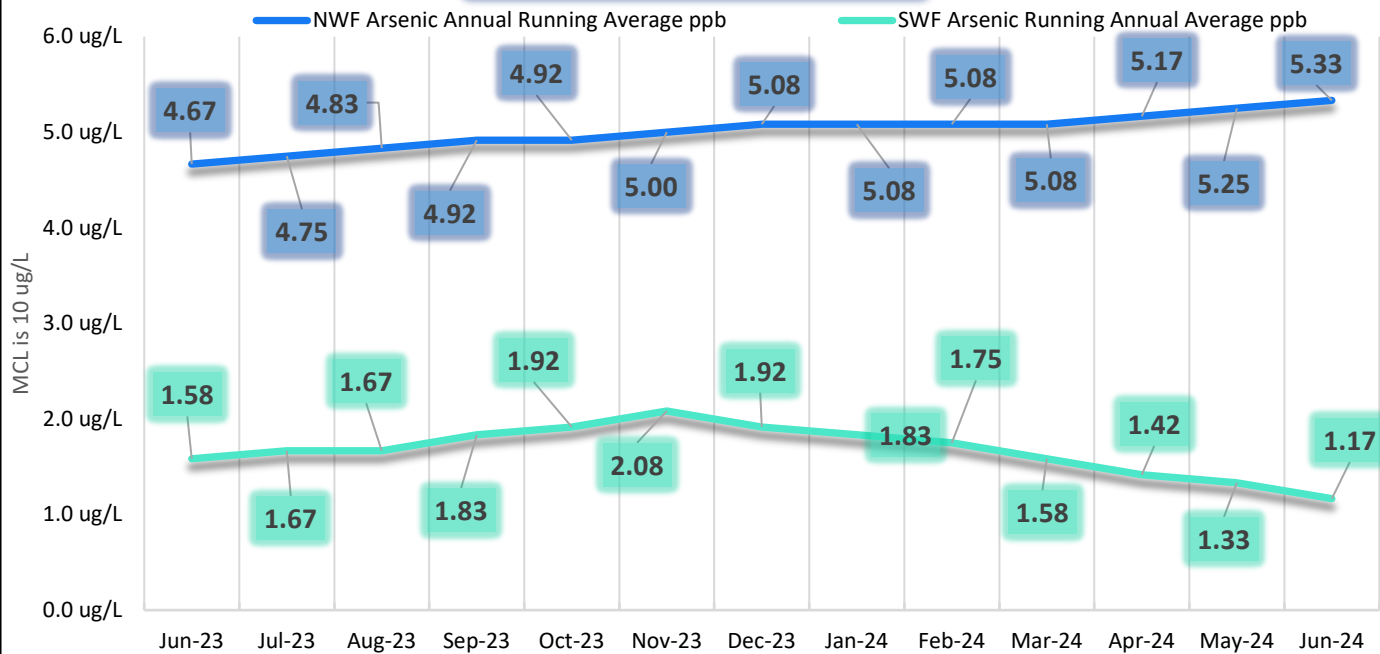


Data Period	June 1 -30, 2024	Operations Data
	Past Due Accounts	253 <i>ea</i>
	Properties with Liens	19 <i>ea</i>
	Accounts Locked Off	3 <i>ea</i>
	Water Main Locates	23 <i>ea</i>
	Water Quality Complaints	15 <i>ea</i>
	Customer Service Calls	37 <i>ea</i>
	Customer Valves Installed	1 <i>ea</i>
	New Services Installed	4 <i>ea</i>
	NBWD Office & Grounds Water Use:	<u><u>0.0613</u></u> <i>MG</i>

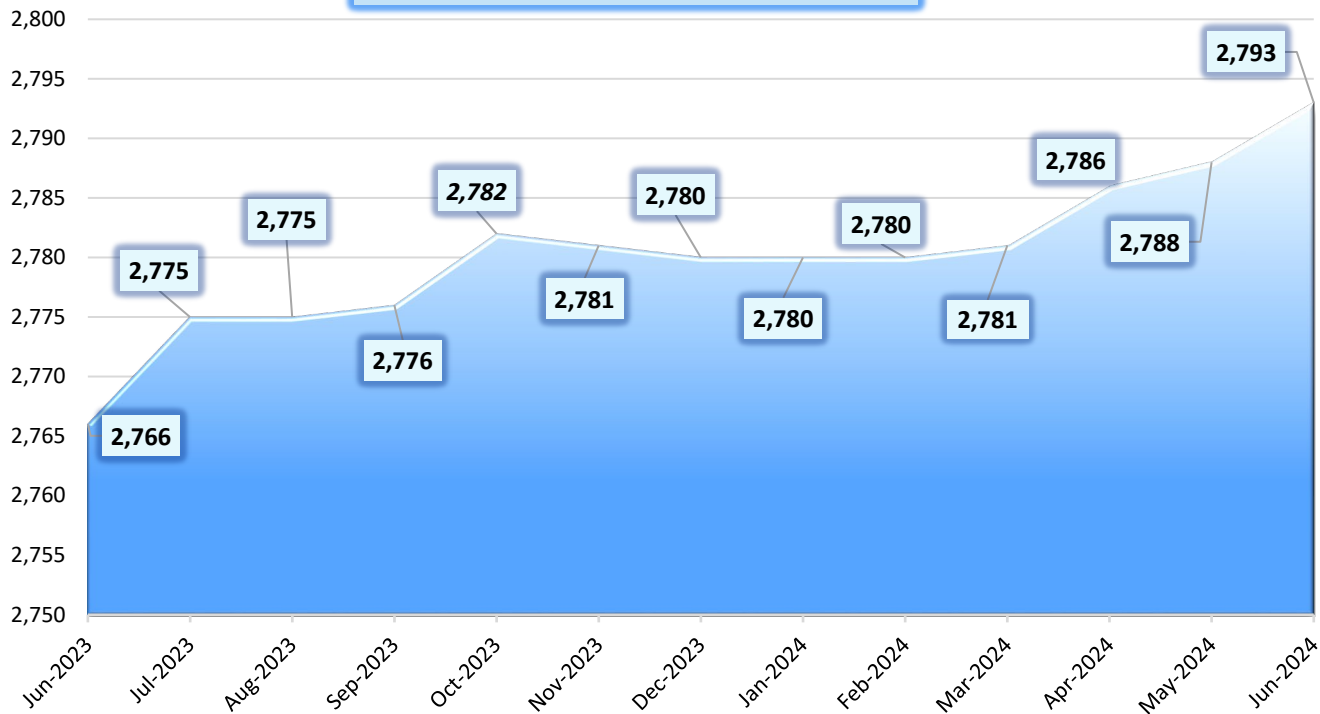
Data Period	June 1 -30, 2024		Water Quality Data	
	Coliform Samples Collected	9	<i>ea</i>	
	Coliform Samples Absent	9	<i>ea</i>	
	Coliform Samples Positive	0	<i>ea</i>	
	Coliform Sample Positive E.coli	0	<i>ea</i>	
	NWF Arsenic	7.00	<i>ug/L</i>	
	SWF Arsenic	0.00	<i>ug/L</i>	
	NWF Arsenic Annual Running Average	5.33	<i>ug/L</i>	
	SWF Arsenic Running Annual Average	1.17	<i>ug/L</i>	



### Arsenic Monthly Annual Average micrograms per liter (ug/L)



### Residential Connections: 3/4" & 1"



# General Managers Report for July's 2024

- **Pilot Testing continues.** Have found a polymer that responds very well with the Katalox filter media. This helps bind the iron residual within the filter. Consistent after filter samples are .01 - .05 mg/l. Russ, from Gray & Osborne, was pleased with the results and now I have the protocol for the big test that will be 12 – 16 hours long. This is done to determine what kind of flow rate we can run at, and how much water volume we can make before break through. Obtaining an overall picture of what we can expect once we are back online.
- **Yearly Valve inspections of our PRV's** at both South & North Booster stations have been inspected and tested.
- **Water System Plan** has been sent to DOH. Pacific County has reviewed it and there are no comments. The City of Long Beach has also received a copy.
- **Crew continues to install blow offs.** What we are finding is that the 1" blow offs that are out there do not create enough water movement to clean the lines. What we have found has been an eye opener.
- **WQMR testing:** We look good.  
NITRATES = 0.12 mg/L, MCL = 10 mg/L.  
S8 & S31 Sample location stations in the distribution.  
Disinfection Byproducts ( DBP's )  
TRIHALOMETHANES (TTHM's)  
S8 = 23.4 Ug/L , S31 = 22.1 Ug/L. ( MCL ) = Maximum Contaminant Level = 80 Ug/L.  
HALOACETIC ACID (HAA5's)  
S8 = 7.9 Ug/L , S31 = 7.9 Ug/L. ( MCL ) = Maximum Contaminant Level = 60 Ug/L
- **PUMP 2 at the N-BPS** station is making metallic noises on the front end. Unfortunately, this model was discontinued a few years back and is not currently offered from the factory as a complete replacement unit. Also, parts are not available due to the Department of Energy now mandating minimum hydraulic efficiency on a number of pumps to reduce energy consumption. This was introduced around 2020. The Peerless C&F Series pumps did not meet these requirements. The series is in redesign, and they do not have a completion date currently. With this in mind and the situation we are in I have purchased a new pump from Grundfos. It is out 8 weeks.