

# NORTH BEACH WATER DISTRICT GENERAL MANAGERS REPORT

For May's Meeting - 2022

## Well Field Output

<u>April 1, 2022</u>	to	<u>April 30, 2022</u>	NWF Master Meter:	<u>3.2664</u>	<i>mg</i>
			SWF Master Meter:	<u>5.1770</u>	<i>mg</i>
			<b>Total Pumped to Plant:</b>	<b>8.4434</b>	<b>MG</b>

## March Water Plant Production

**Data:**

### Data Period

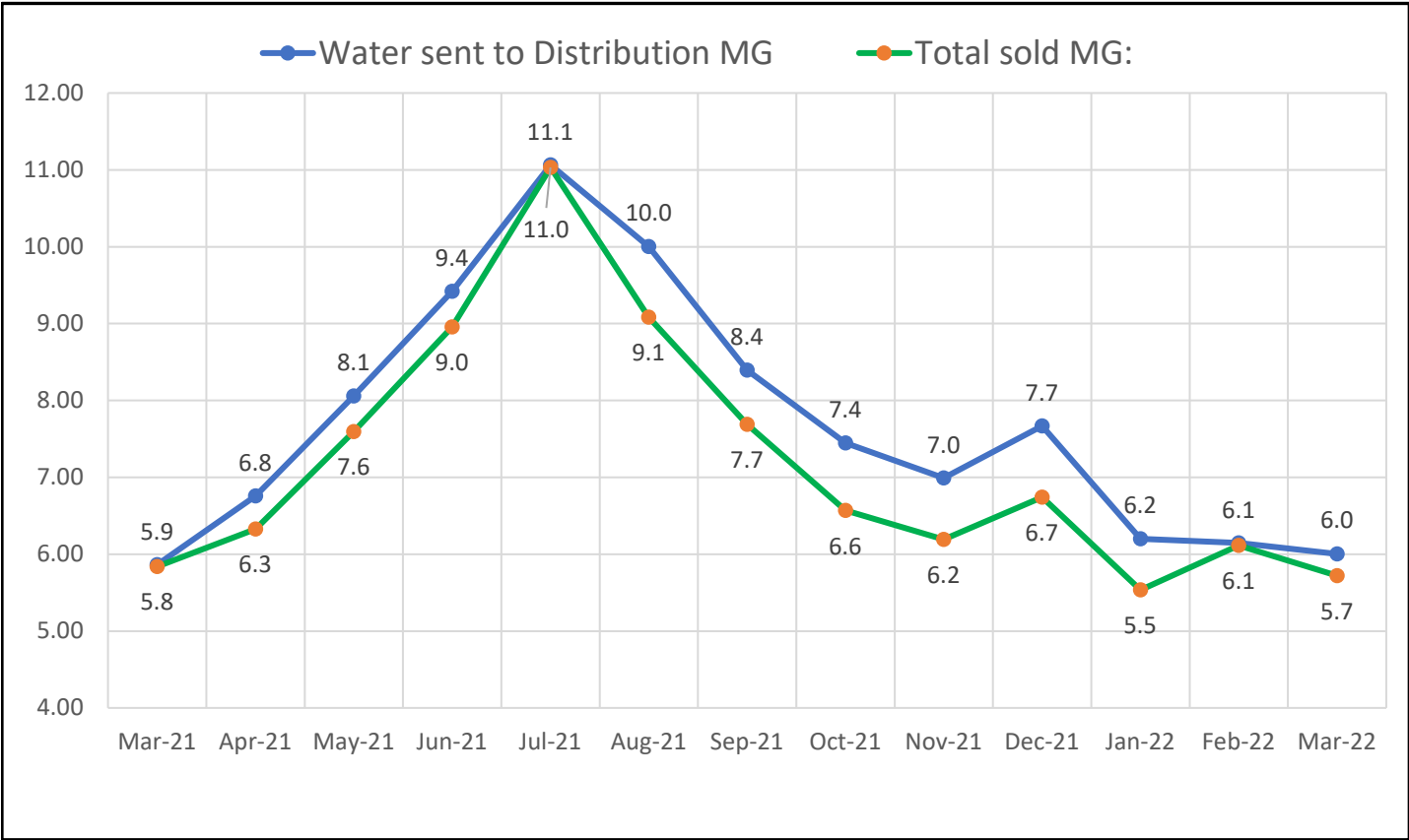
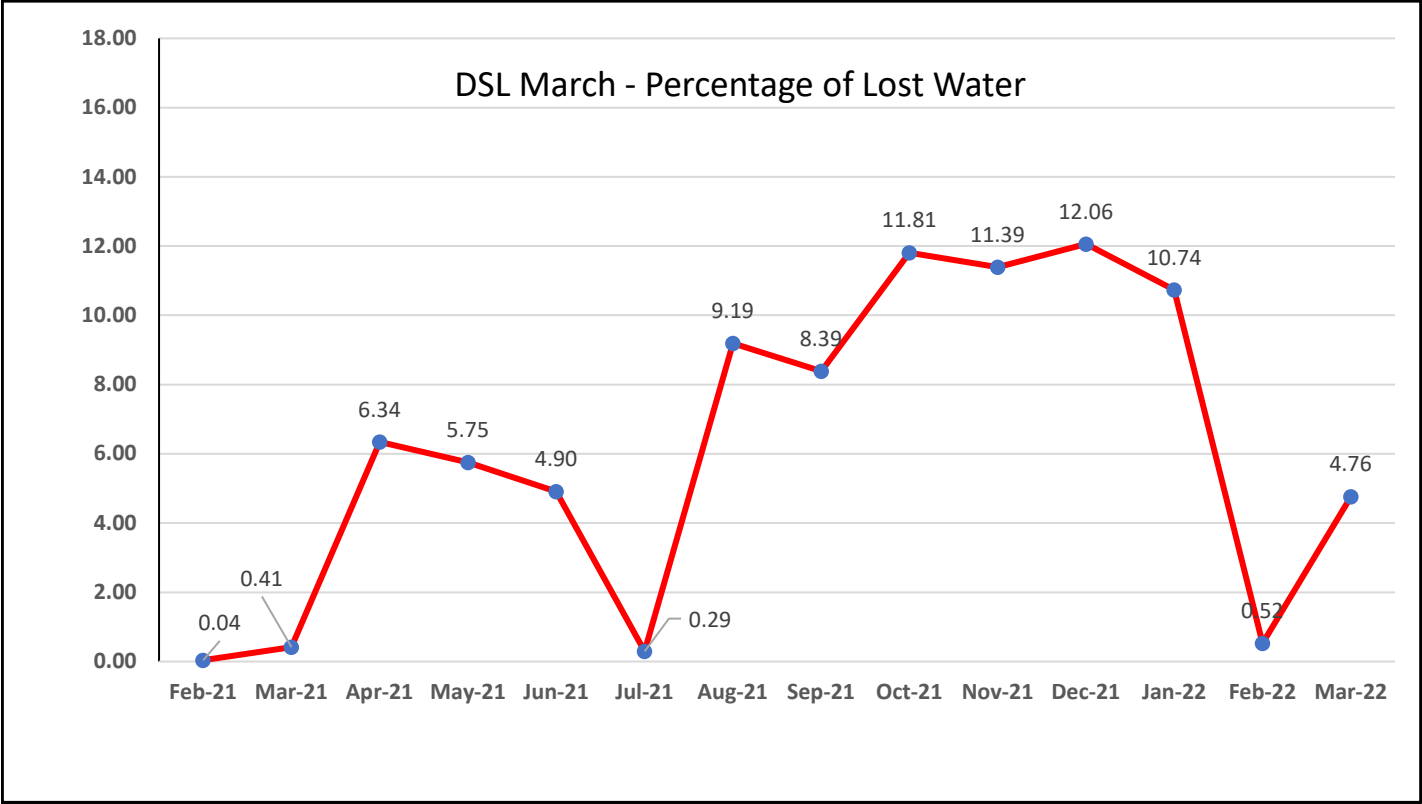
<u>March 1, 2022</u>	to	<u>March 31, 2022</u>	NWF Master Meter:	<u>5.9365</u>	<i>mg</i>
			SWF Master Meter:	<u>1.7097</u>	<i>mg</i>
			Accounted for Water:	<u>2.4388</u>	
			<b>Total Water Pumped:</b>	<b>7.6462</b>	<b>MG</b>

## Metering Period

<u>March 1, 2022</u>	to	<u>March 31, 2022</u>	Total Water Sold :	<u>5.7188</u>	<i>MG</i>
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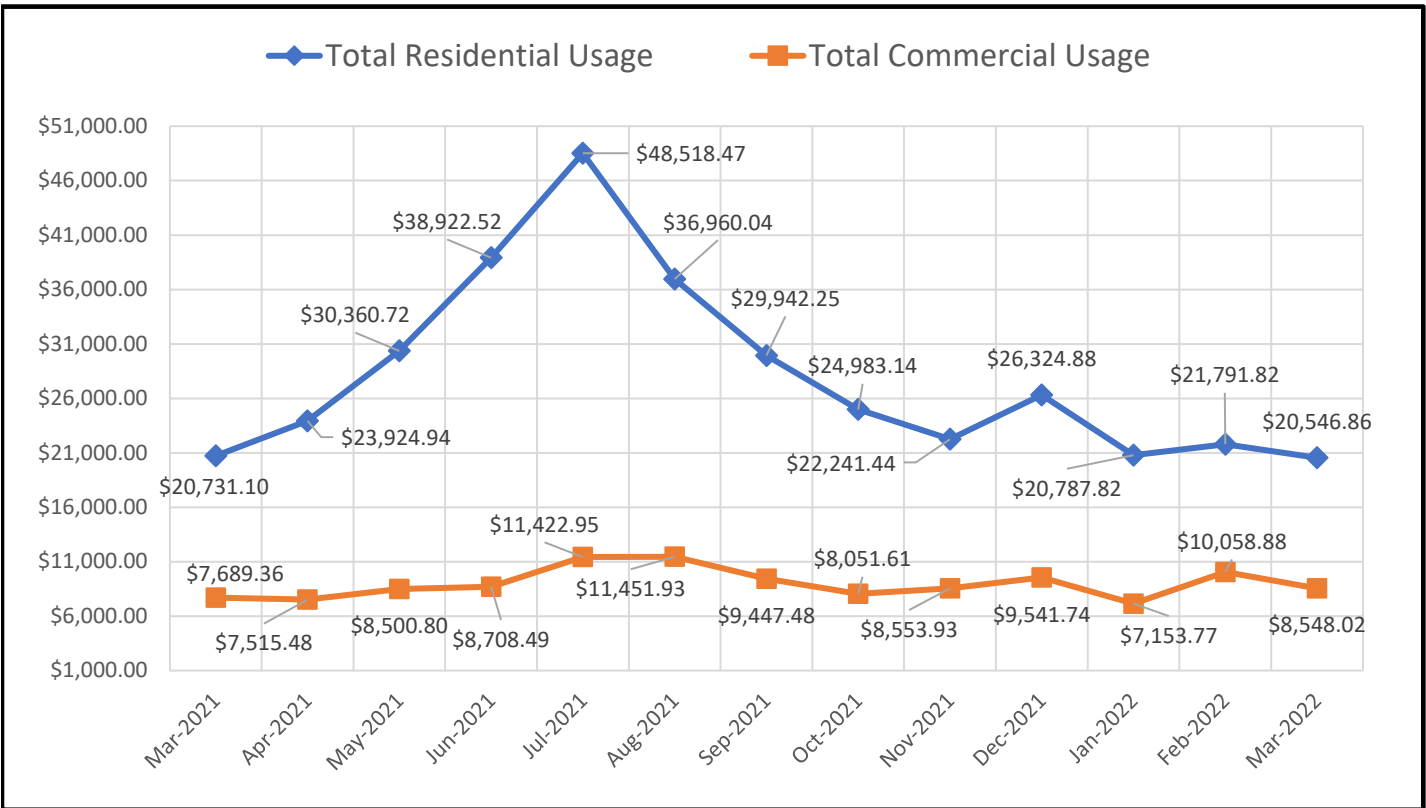
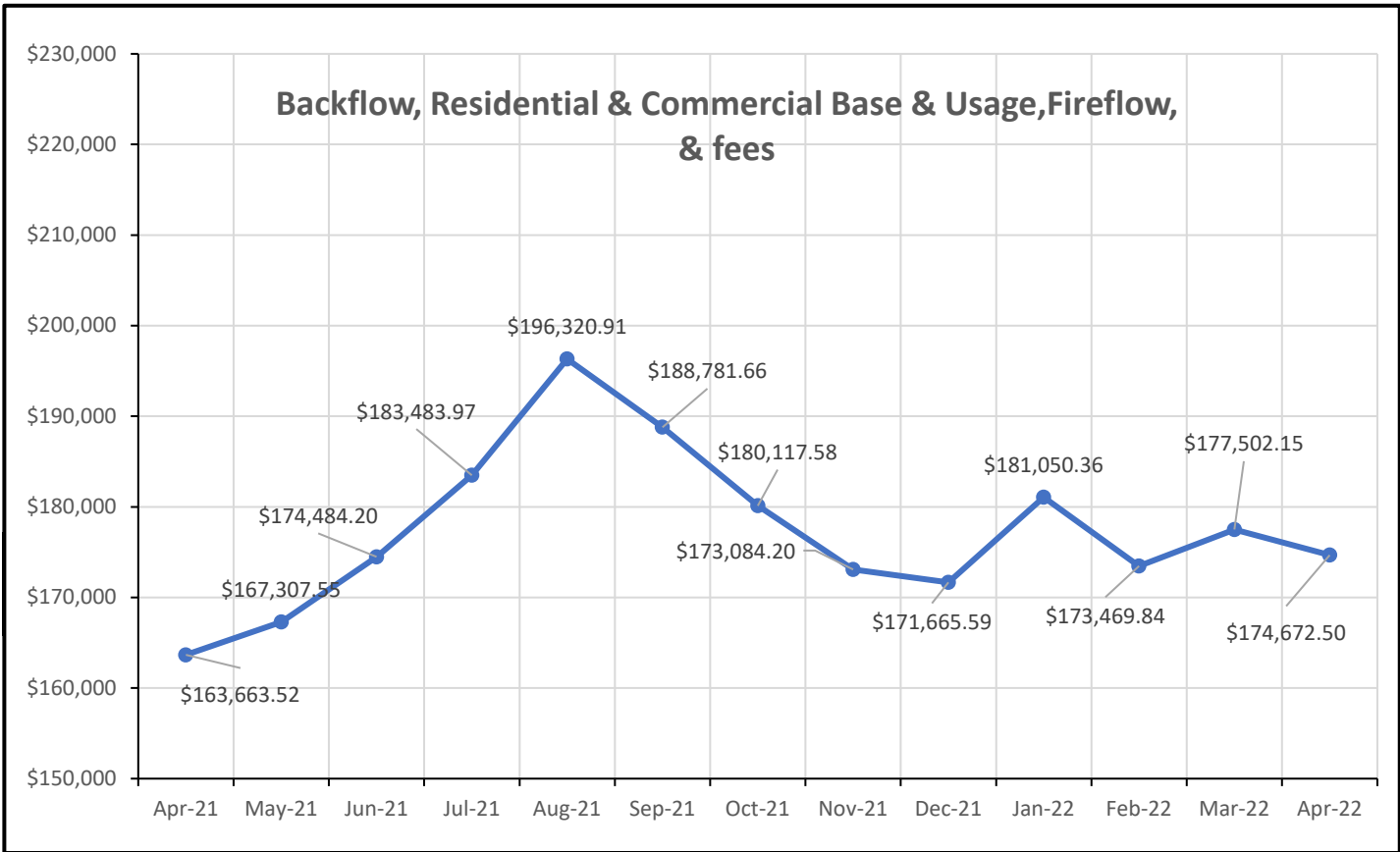
## March Accounted for Water:

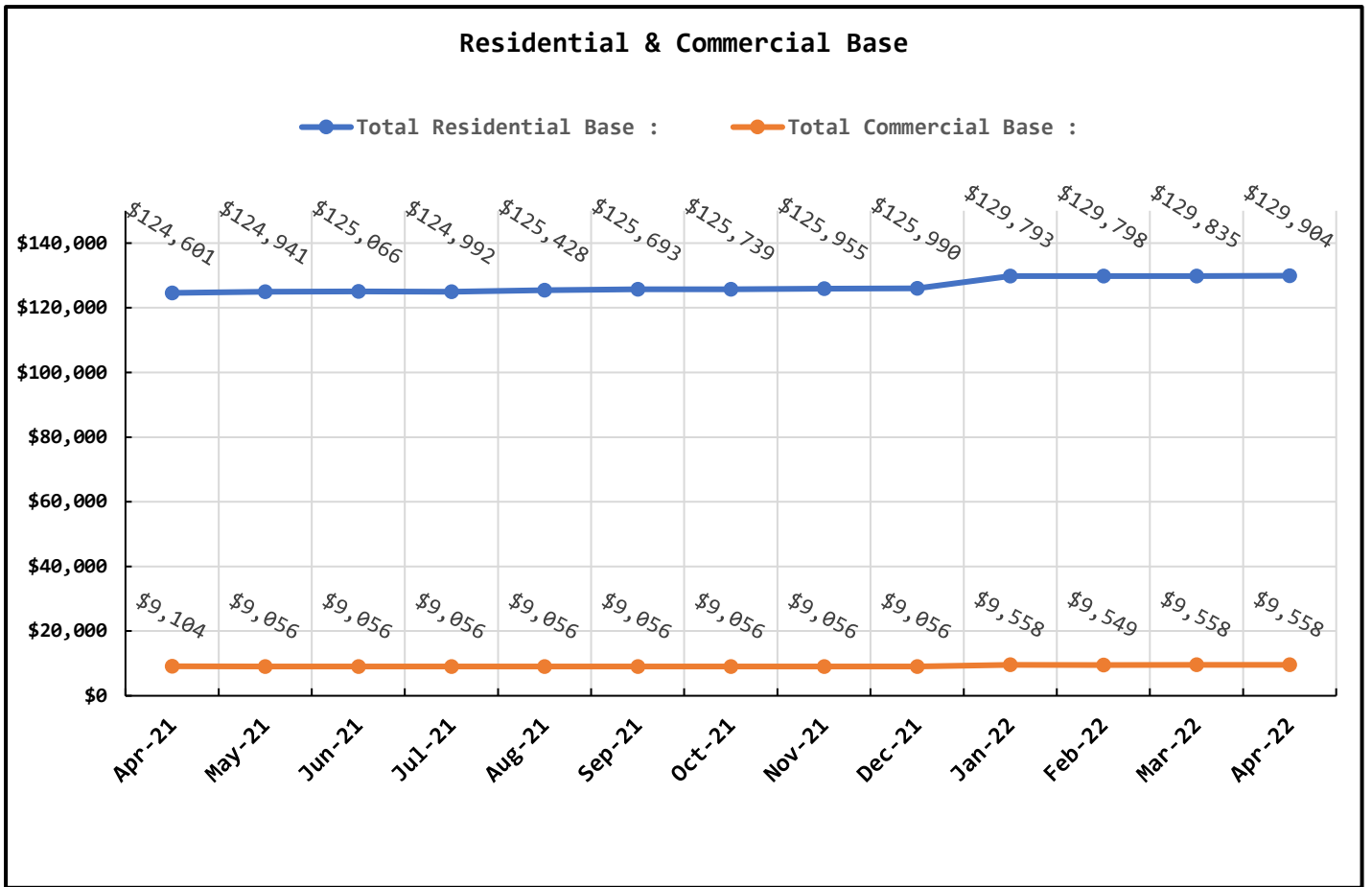
	NWF Backwash :	<u>0.1567</u>		<i>mg</i>
	SWF Backwash :	<u>1.1333</u>		<i>mg</i>
Distribution Flushing, Fire Dept, Pac Co & Waterline Leak Repair's:		<u>0.5541</u>		<i>mg</i>
	NBWD use NWF & SWF:	<u>0.5947</u>		<i>mg</i>
	<b>Total Accounted for Water:</b>	<b>2.4388</b>		<b>MG</b>
	<b>Total Water Treated :</b>	<b>7.6462</b>		<b>MG</b>
	<b>Accounted for Water Used :</b>	<b>2.4388</b>		<b>MG</b>
	<b>Water Sent to Distribution :</b>	<b>6.0046</b>		<b>MG</b>
	<b>Water Sold :</b>	<b>5.7188</b>		<b>MG</b>
	<b>Distribution Leakage :</b>	<b>0.2858</b>		<b>MG</b>
	<b>Percent of Unaccounted for Water :</b>	<b>4.76</b>		<b>%</b>



Data Period	April 1 - 30, 2022		Booster System Data	
	North Wellfield Booster High GPM :	667		<i>gpm</i>
	North Wellfield Booster Average GPM :	55		<i>gpm</i>
	North Wellfield High psi:	67		<i>psi</i>
	North Wellfield Average psi:	60		<i>psi</i>
	Total MG Booster pumped to Distribution at NWF:	2.3757		<i>MG</i>
	Total MG Booster pumped to Distribution at SWF:	5.3171		<i>MG</i>
	<b>Total Booster Pumped to Distribution :</b>	<b>7.6928</b>		<i>MG</i>
	South Wellfield Booster High gpm:	1,500		<i>gpm</i>
	South Wellfield Booster Average gpm:	127		<i>gpm</i>
	South Wellfield Booster High psi:	68		<i>psi</i>
	South Wellfield Booster Average psi:	61		<i>psi</i>
	<b>245th Distribution Pressure Readings :</b>			
	Highest	69		<i>psi</i>
	Lowest	40		<i>psi</i>
	Average	60		<i>psi</i>

Data Period			Accounts Data		
April 1 - 30, 2022,			Residential Base	\$129,904.21	\$
March 1 - 31, 2022			Residential Usage	\$20,546.86	\$
April 1 - 30, 2022			Commercial Base	\$9,558.35	\$
March 1 - 31, 2022			Commercial Usage	\$8,548.02	\$
Residential Accounts	2,720	<i>ea</i>	Fire Flow Rate	\$1,221.47	\$
Commercial Accounts	100	<i>ea</i>	Backflow Assembly Rate	\$623.95	\$
Fire Flow Accounts	4	<i>ea</i>	Contract Reimbursement	0	\$
Backflow Accounts	40	<i>ea</i>	Other Fees & Charges	\$4,269.64	\$
			Total:	\$174,672.50	\$





Data Period	April 1 - 30, 2022	Operations Data	
	Past Due Accounts	244	<i>ea</i>
	Properties with Liens	26	<i>ea</i>
	Accounts Locked Off	2	<i>ea</i>
	Water Main Locates	30	<i>ea</i>
	Water Quality Complaints	2	<i>ea</i>
	Customer Service Calls	26	<i>ea</i>
	Customer Valves Installed	1	<i>ea</i>
	New Services Installed	1	<i>ea</i>
	NBWD Office & Grounds Water Use:	<b>0.5947</b>	<i>MG</i>

Data Period

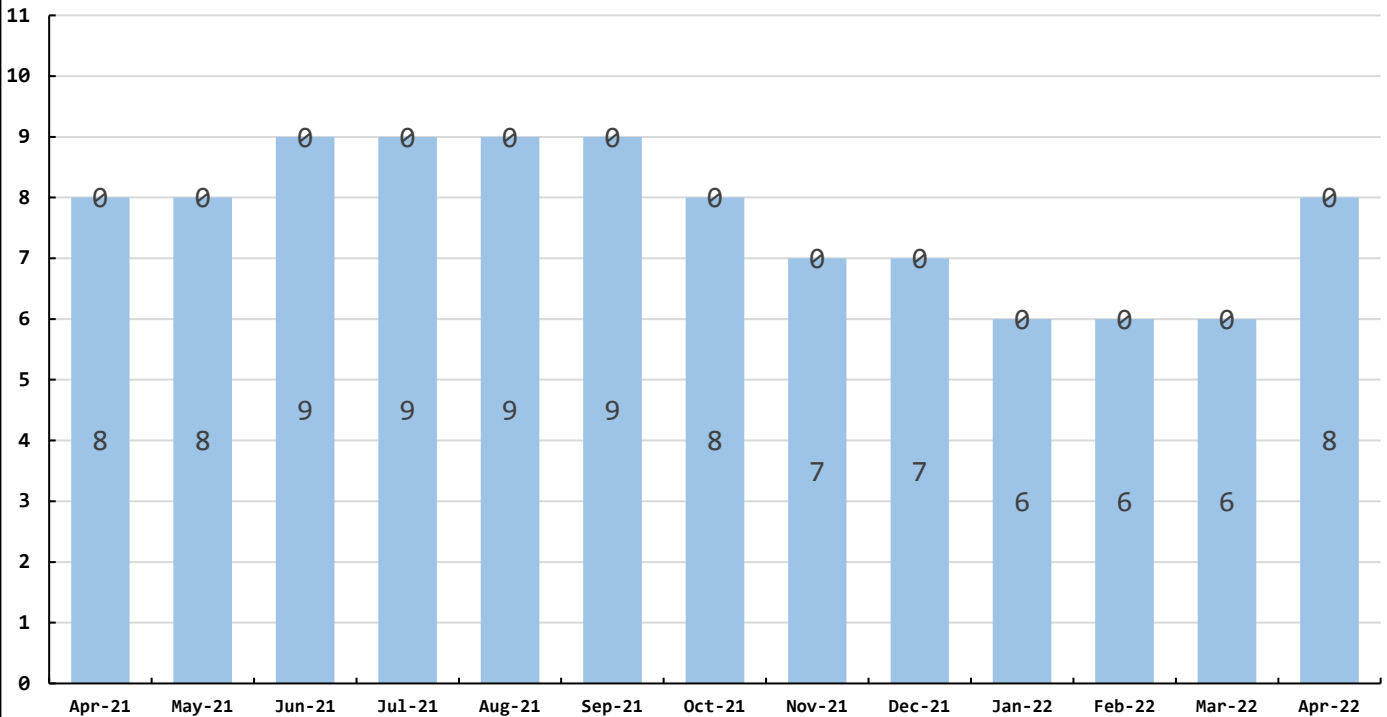
April 1 - 30, 2022

Water Quality Data

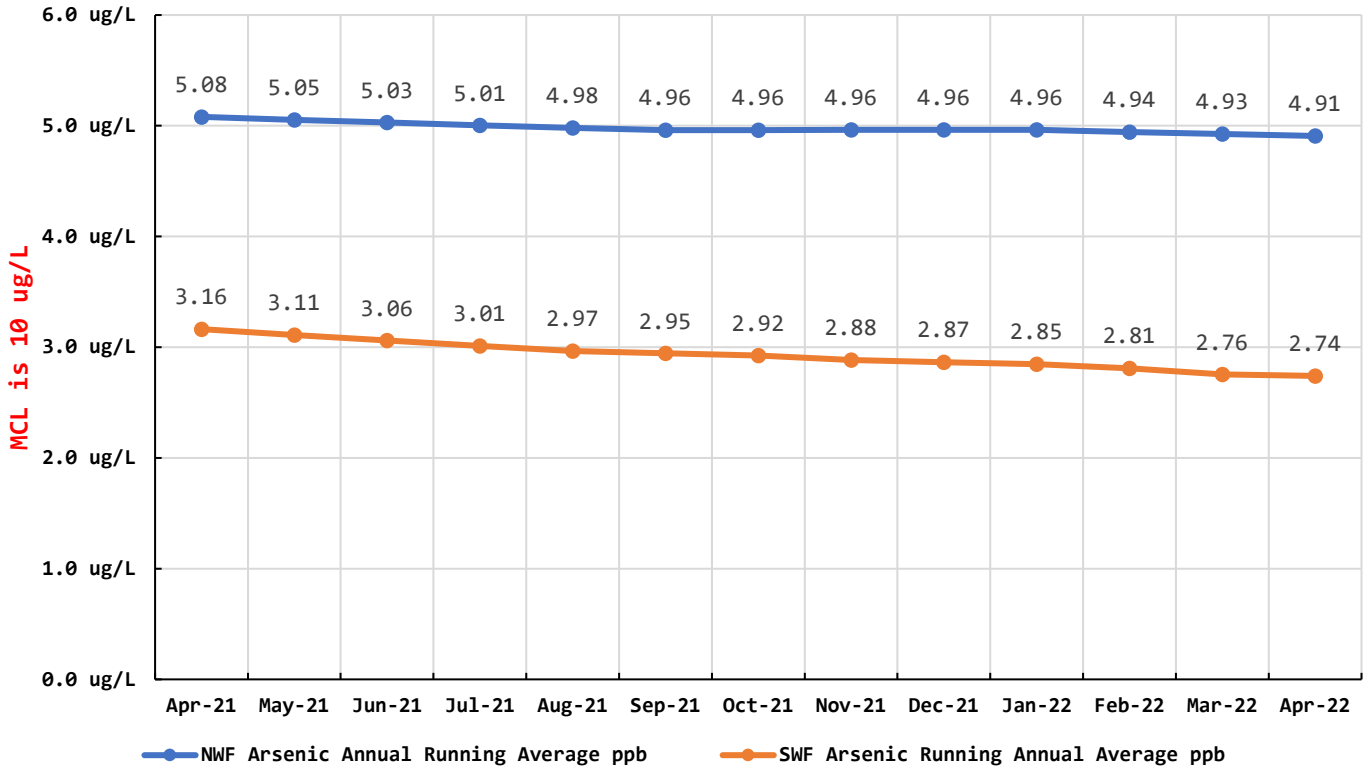
Coliform Samples Collected	8	<i>ea</i>
Coliform Samples Absent	8	<i>ea</i>
Coliform Samples Postive	0	<i>ea</i>
Coliform Sample Positive E.coli	0	<i>ea</i>
NWF Arsenic	4	<i>ug/L</i>
SWF Arsenic	2	<i>ug/L</i>
NWF Arsenic Annual Running Average	4.91	<i>ug/L</i>
SWF Arsenic Running Annual Average	2.74	<i>ug/L</i>

### Coliform Bacteria Samples

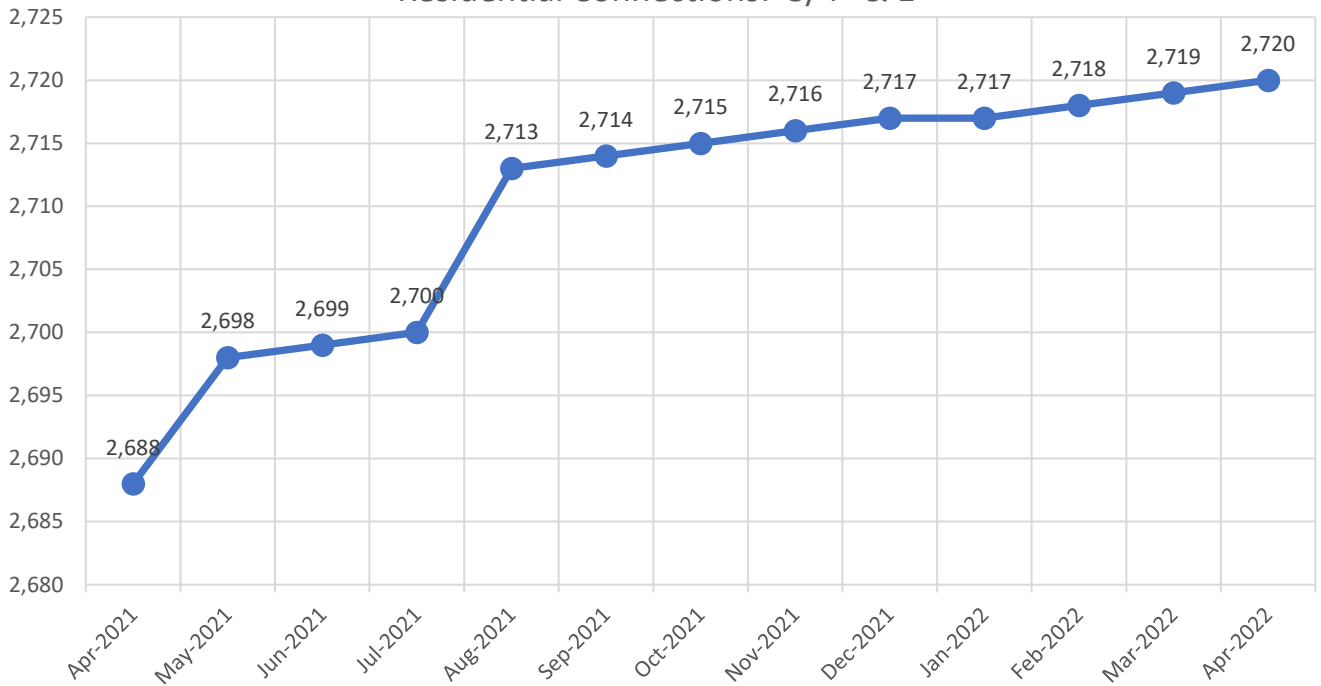
■ Coliform Samples Collected   ■ Coliform Samples Positive



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



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



## General Managers Report for May 2022

- Fiber communications with South Treatment Plant and Wellfield is working as planned.
- Filter to waste valves at the South Water Treatment Plant were installed and PLC programming was performed by The Automation Group (TAG).
- Radios at the South Water Plant and the North Water Plant have been tested. Long story short, the radios have a frequency that has a problem with trees and other obstructions. Cellular is the one that I am leaning towards. We will have a free trial here in May by Systems Interface and TAG.
- Battery back ordered for North Water Plant's PLC. What is occurring is that when the generator starts up it drops out and there is no power for a brief second and that puts the plant into backwash.
- I have spoken with TAG about going with a text messaging system rather than using the existing call out device. The one that is running now is confusing and can be erased. The new system will send a text for every alarm that is called out and it even better, leaves a trail.
- Met with Core & Main and Neptune about our AMI system. We will be mounting the antennas to our reservoir tanks at the North & South Wellfields. These will need to be clear of our existing system by 10 feet. I have addressed this with Gray & Osbourne.
- Tested our new emergency call out with a line break in Sunset Sands on the 26<sup>th</sup> of April. Worked as promised. Staff have been trained on how it works. Will continue to train staff and I will write up a S.O.P. on how to use it.
- 245<sup>th</sup> & W lane, line has been installed and is in service.
- Nitrate primary levels are set at a Maximum Contaminate Level of 10.0 mg/l. Testing of the North Well Field tested at 0.35 mg/l, which is way below the maximum level.
- Both North Booster station discharge pipes have been changed out with alpha flange x coupling adapters and flange by plain end spools. No more steel.
- New pump failure. Problem was found and back in service. Check valve completely broke apart and restricted flow. Replaced with new stainless steel check valve.
- As of May 11, we have 10 new service request.



## April Work Orders

Read/Leave On	1
Turn Off/Lock – Customer Request	2
Turn Off/Lock – Non-Payment	2
Interrogate Meter	0
Locates	30
Unlock/Turn On	5
Test Backflow	2
Miscellaneous	4
Replace Meter Box	1
Low Pressure	0
Check Customer Valves	0
Dirty Water Complaints	2
Replace Meter	1
Install New Service	1
Assist Customer	0
Check For Leak	7
Re-Read Meter	0
Install Customer Control Valve	1
<b>Total</b>	<b>59</b>