

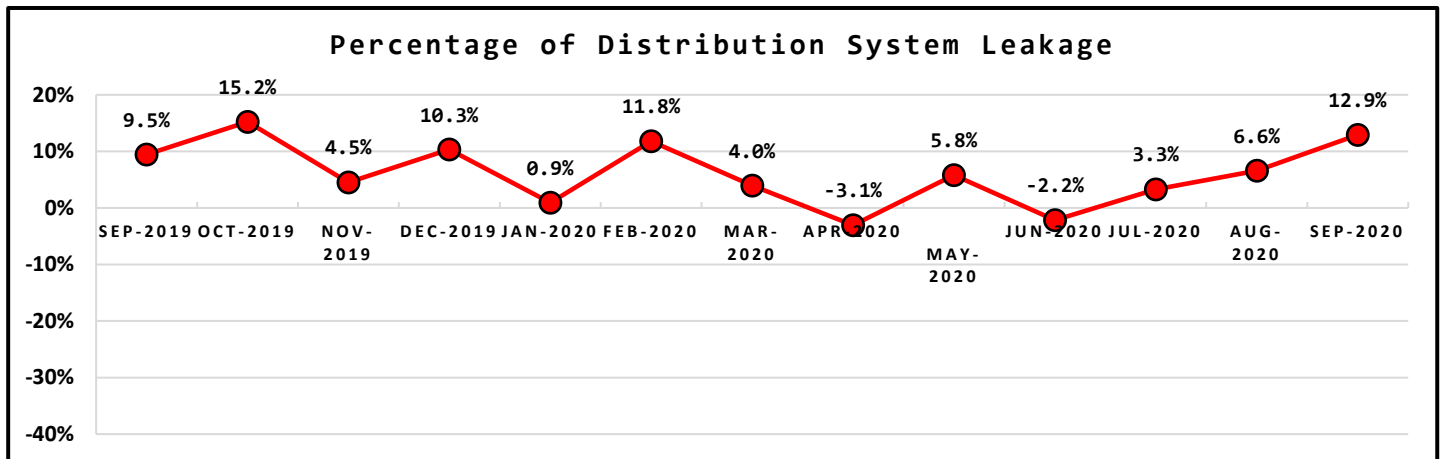
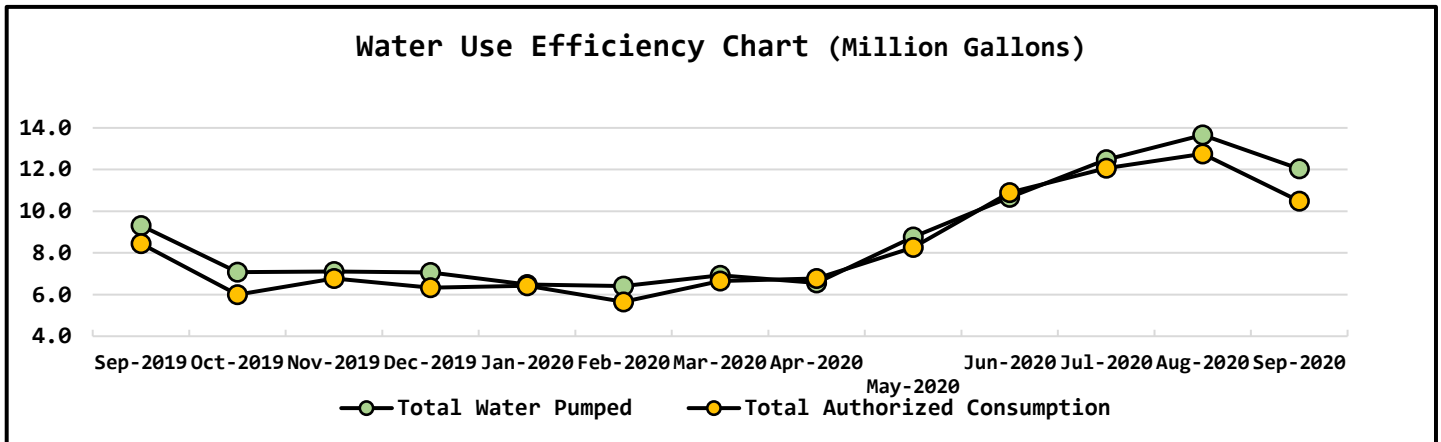
NORTH BEACH WATER DISTRICT GENERAL MANAGERS REPORT

FOR

November-2020

Metering Period	Water Production
October 1, 2020 to October 31, 2020	NWF Master Meter <u>4.2235</u> mg
	SWF Master Meter <u>4.9419</u> mg
	Total Water Pumped <u>9.1654</u> mg

Metering Period	Water Consumption
October 1, 2020 to October 31, 2020	Total Water Sold <u>8.8395</u> mg
	NWF Backwash <u>0.1897</u> mg
	SWF Backwash <u>1.0615</u> mg
	Distribution Flushing <u>0.3954</u> mg
	Total Authorized Consumption <u>10.4861</u> mg
	Distribution Leakage <u>1.5541</u> mg
	Percent of DSL <u>12.9%</u> %

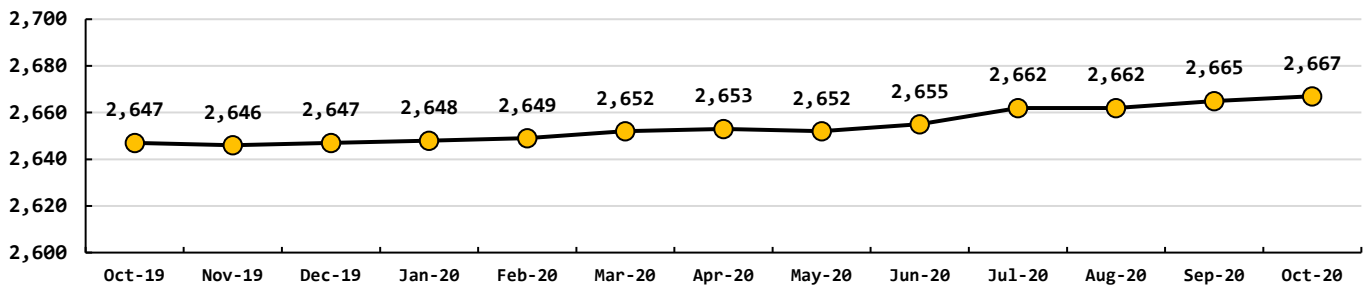


Data Period		Booster System Data		
October, 2020		North Wellfield Booster High gpm	1183	<i>gpm</i>
		North Wellfield Booster Low gpm	0	<i>gpm</i>
		North Wellfield Booster Average gpm	117	<i>gpm</i>
		South Wellfield Booster High gpm	1547	<i>gpm</i>
		South Wellfield Booster Low gpm	0	<i>gpm</i>
		South Wellfield Booster Average gpm	130	<i>gpm</i>
		North Wellfield Booster High psi	81	<i>psi</i>
		North Wellfield Booster Low psi	20	<i>psi</i>
		North Wellfield Booster Average psi	60	<i>psi</i>
		South Wellfield Booster High psi	76	<i>psi</i>
		South Wellfield Booster Low psi	11	<i>psi</i>
		South Wellfield Booster Average psi	61	<i>psi</i>

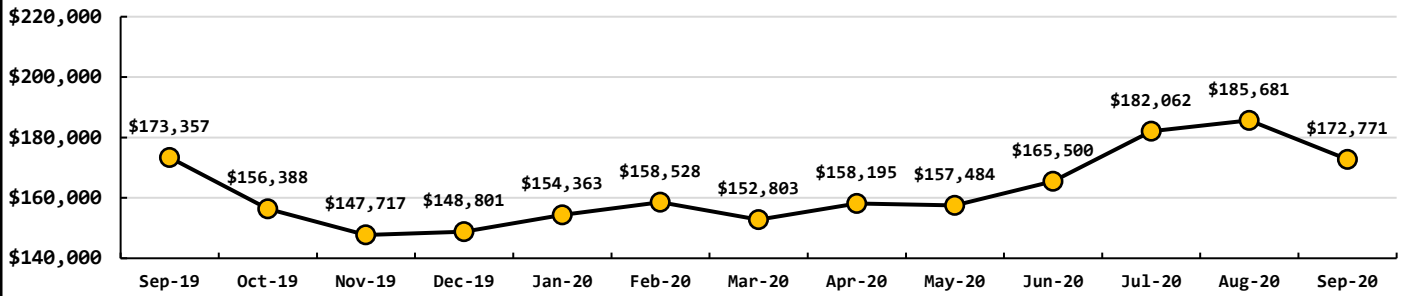
Data Period		Well Field Data		
October, 2020		North Wellfield Total MG	5.5508	<i>mg</i>
		South Wellfield Total MG	6.4894	<i>mg</i>

Data Period		Accounts Data			
October, 2020		Residential Base Rate	119,568	<i>\$</i>	
		Residential Consumption	33,171	<i>\$</i>	
		Commercial Base Rate	8,670	<i>\$</i>	
Residential Accounts	<u>2,667</u>	<i>ea</i>	Commercial Consumption	11,362	<i>\$</i>
Commercial Accounts	<u>100</u>	<i>ea</i>	Fire Flow Rate	1,108	<i>\$</i>
Fire Flow Accounts	<u>4</u>	<i>ea</i>	Backflow Assembly Rates	294	<i>\$</i>
Backflow Accounts	<u>30</u>	<i>ea</i>	Ilwaco	1,585	<i>\$</i>
			Ilwaco Reimbursement	0	<i>\$</i>
			Other Fees & Charges	731	<i>\$</i>
			Total	2,609	<i>\$</i>

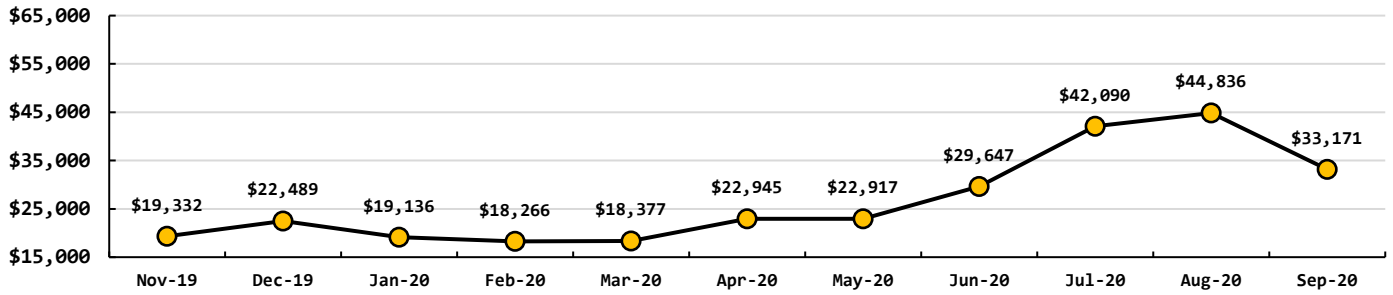
Total Residential Water Connections



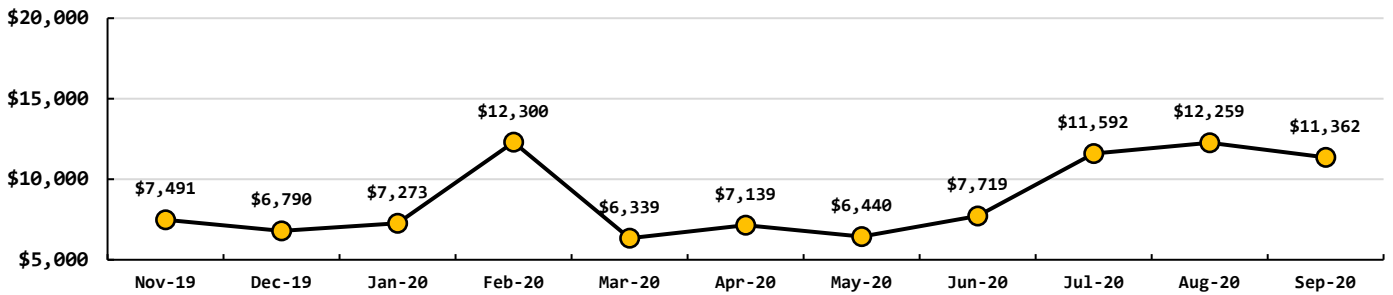
Total Base Rates & Consumption Rates



Total Residential Consumption Rates



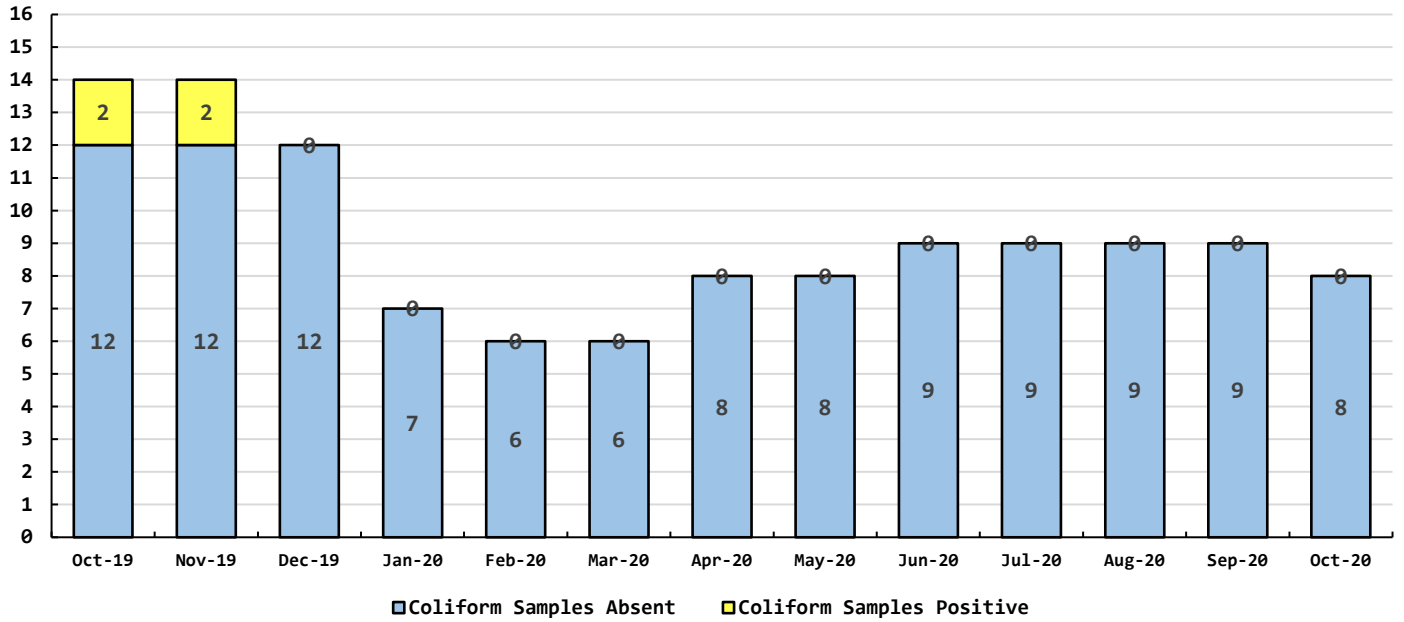
Total Commercial Consumption Rates



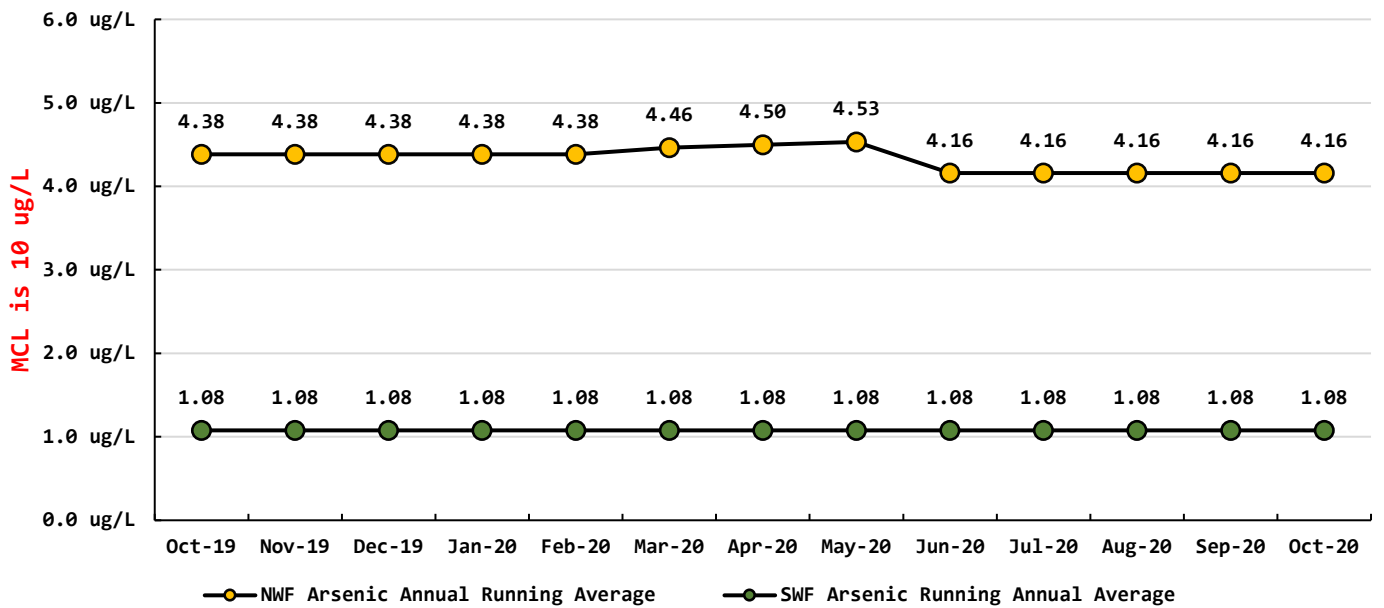
Data Period	Operations Data		
October, 2020	Past Due Accounts	296	ea
	Properties with Liens	23	ea
	Accounts Locked Off	0	ea
	Water Main Locates	32	ea
	Water Quality Complaints	0	ea
	Customer Service Calls	83	ea
	Customer Valves Installed	3	ea
	New Services Installed	5	ea

Data Period	Water Quality Data		
October, 2020	Coliform Samples Collected	8	ea
	Coliform Samples Absent	8	ea
	Coliform Samples Positive	0	ea
	Coliform Sample Positive E. coli	0	ea
	NWF Arsenic Annual Running Average	4.16	ug/L
	SWF Arsenic Running Annual Average	1.08	ug/L

Coliform Bacteria Samples



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



October 2020 Managers Report:

Waterline Leak:

Leak on 274th “again”. The crew replaced 60ft of mainline at this location.

Treatment Process:

Joe Plahuta Gray & Osborne came down to visit with me at the SWF. We did a jar test and found that we are not producing the floc needed for the complete removal of iron residual. Without the production of floc the iron from ferric chloride is seen in the effluent water.

The South Well Field does not have raw iron that high. The iron comes from under or overdosage from the injection of ferric chloride. The production of floc is very important for the complete precipitation of ferric chloride. What this means is that treatment is a constant moving target to find the sweet spot for operation.

KMNO₄ dosage was raised to increase the oxidation value of water across the filter. We are working on this now to hopefully increase length of run times. Instead of 100,000 gallons I would like to see 150,000 or 200,000 gallons before backwash. We are creating historical data for seasonal operation.

Service Connections:

The crew installed 5 new service connections in October.

GIS:

The new GIS software that Mark Scott has applied to this system allows us to take pictures with our cell phones and place this photo correctly to GIS coordinates. This will allow us to have a picture to tell the rest of the story at a location that we have responded to. I have requested the line crew to send these photos once a week to my computer.

Flushing:

Flushing hydrants was completed last two weeks in October and first week in November.

October Work Orders

Read/Leave On	14
Turn Off/Lock – Customer Request	6
Turn Off/Lock – Non-Payment	0
Interrogate Meter	7
Locates	32
Unlock/Turn On	3
Test Backflow	0
Miscellaneous	4
Replace Meter Box	0
Low Pressure	1
Check Customer Valves	0
Dirty Water Complaints	0
Replace Meter	0
Install New Service	5
Assist Customer	1
Check For Leak	6
Re-Read Meter	1
Install Customer Control Valve	3
Total	83