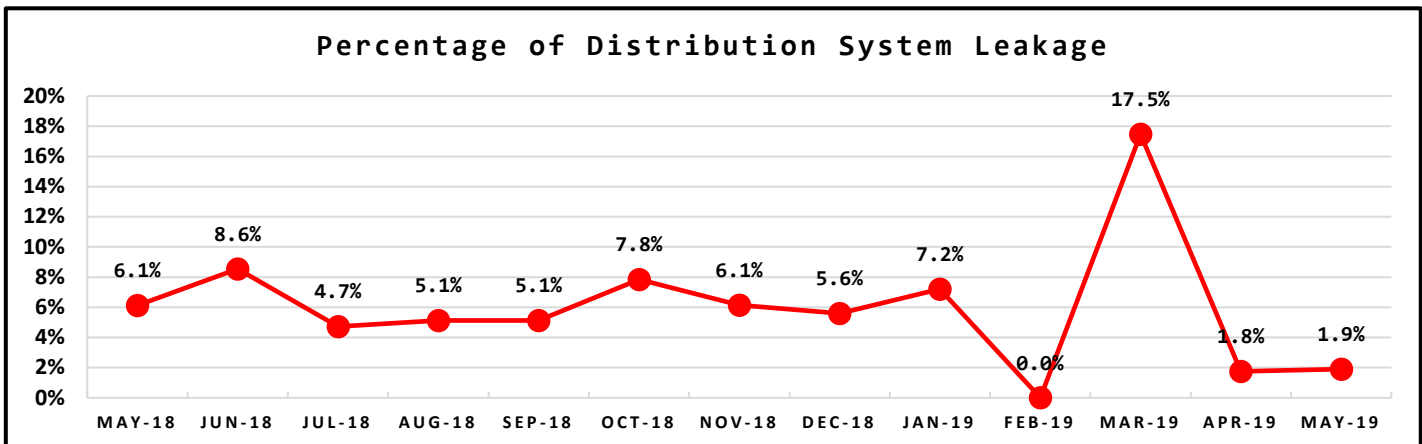
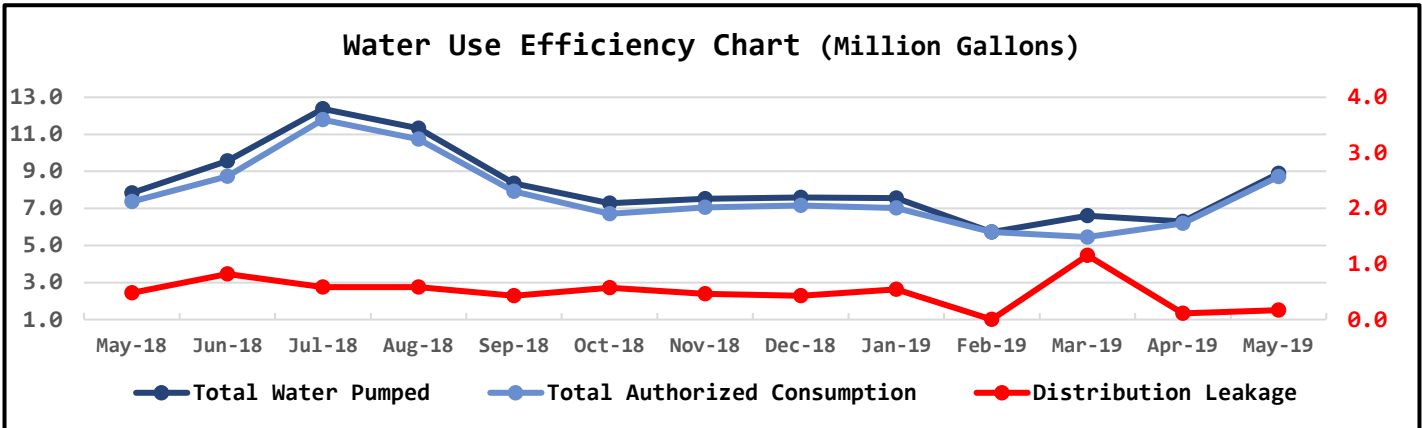


# NORTH BEACH WATER DISTRICT GENERAL MANAGERS REPORT

FOR  
July-2019

Metering Period		Water Production		
May 1, 2019	to	June 1, 2019	NWF Master Meter	7.0514 mg
			SWF Master Meter	1.8407 mg
			Total Water Pumped	8.8921 mg

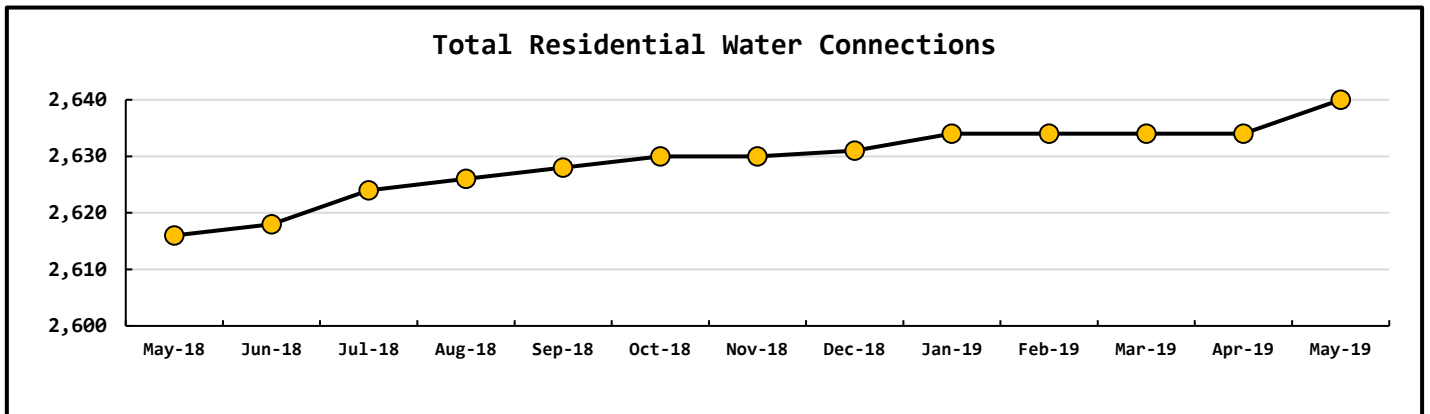
Metering Period		Water Consumption		
May 1, 2019	to	June 1, 2019	Total Water Sold	7.9707 mg
			NWF Backwash	0.1530 mg
			SWF Backwash	0.3332 mg
			Distribution Flushing	0.2653 mg
			Total Authorized Consumption	8.7222 mg
			Distribution Leakage	0.1699 mg
			Percent of DSL	1.9% %

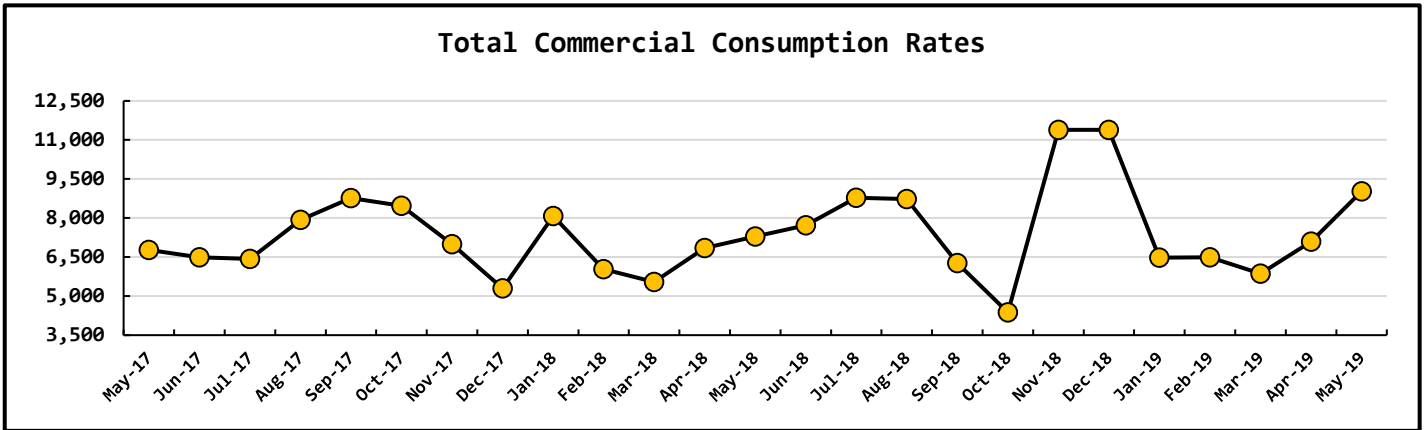
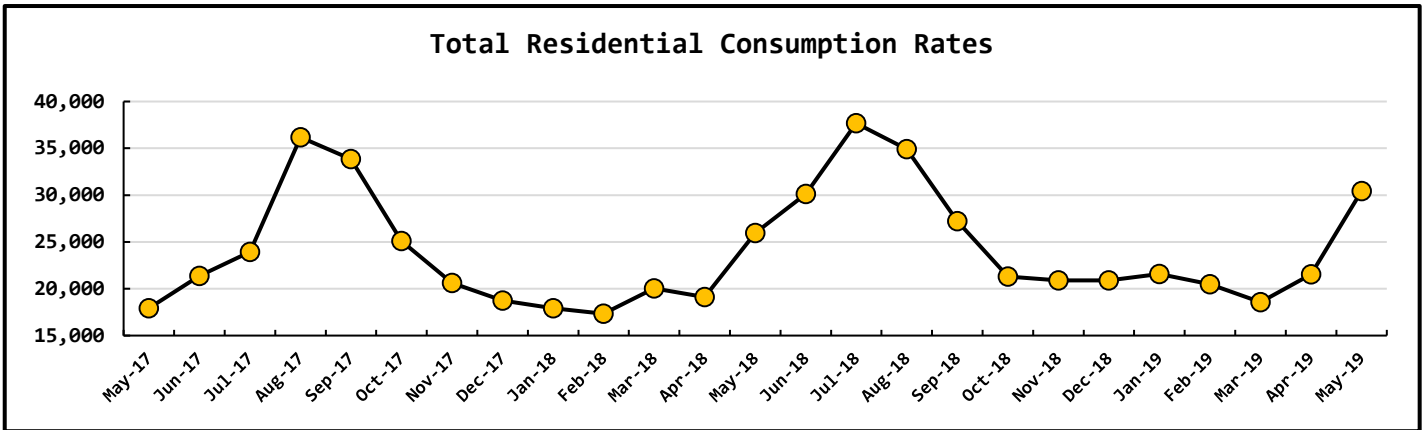
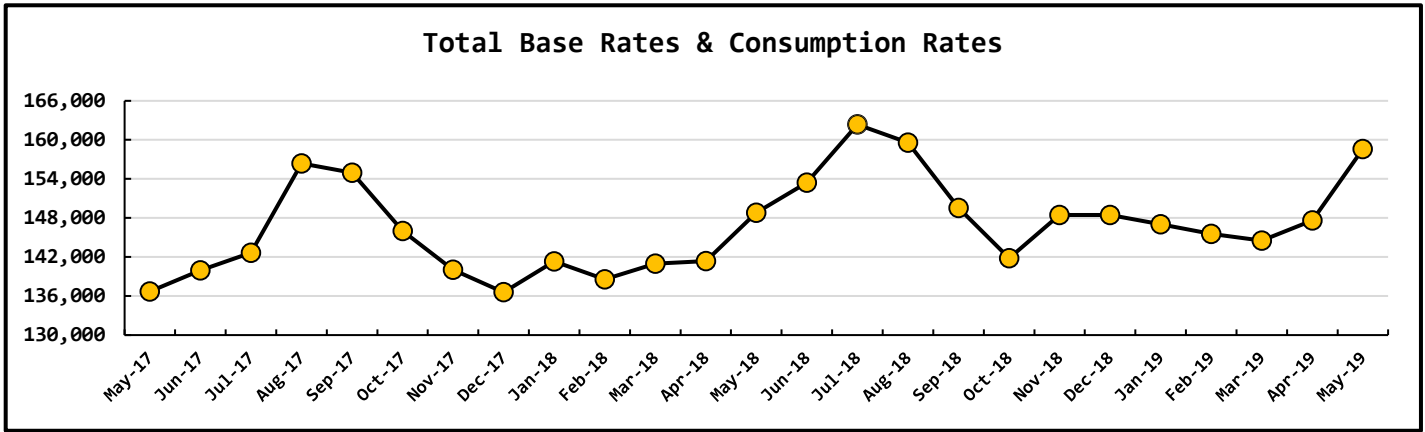


Data Period	Booster System Data		
June, 2019	North Wellfield Booster High	731	<i>gpm</i>
	North Wellfield Booster Low	0	<i>gpm</i>
	North Wellfield Booster Average	157	<i>gpm</i>
	South Wellfield Booster High	986	<i>gpm</i>
	South Wellfield Booster Low	0	<i>gpm</i>
	South Wellfield Booster Average	41	<i>gpm</i>
	North Wellfield Booster High	76	<i>psi</i>
	North Wellfield Booster Low	48	<i>psi</i>
	North Wellfield Booster Average	62	<i>psi</i>
	South Wellfield Booster High	73	<i>psi</i>
	South Wellfield Booster Low	46	<i>psi</i>
	South Wellfield Booster Average	63	<i>psi</i>

Data Period	Well Field Data		
June, 2019	North Wellfield Total	7.3127	<i>mg</i>
	South Wellfield Total	1.8407	<i>mg</i>

Data Period			Accounts Data		
June, 2019			Residential Base Rate	111,029	\$
			Residential Consumption	30,420	\$
			Commercial Base Rate	8,134	\$
Residential Accounts	2,640	<i>ea</i>	Commercial Consumption	9,028	\$
Commercial Accounts	102	<i>ea</i>	Fire Flow Rate	1,035	\$
Fire Flow Accounts	4	<i>ea</i>	Backflow Assembly Rates	177	\$
Backflow Accounts	29	<i>ea</i>	Surfside Contract	5,454	\$
			Surfside Reimbursement	186	\$
			Other Fees & Charges	3,740	\$
			Total	169,202	\$





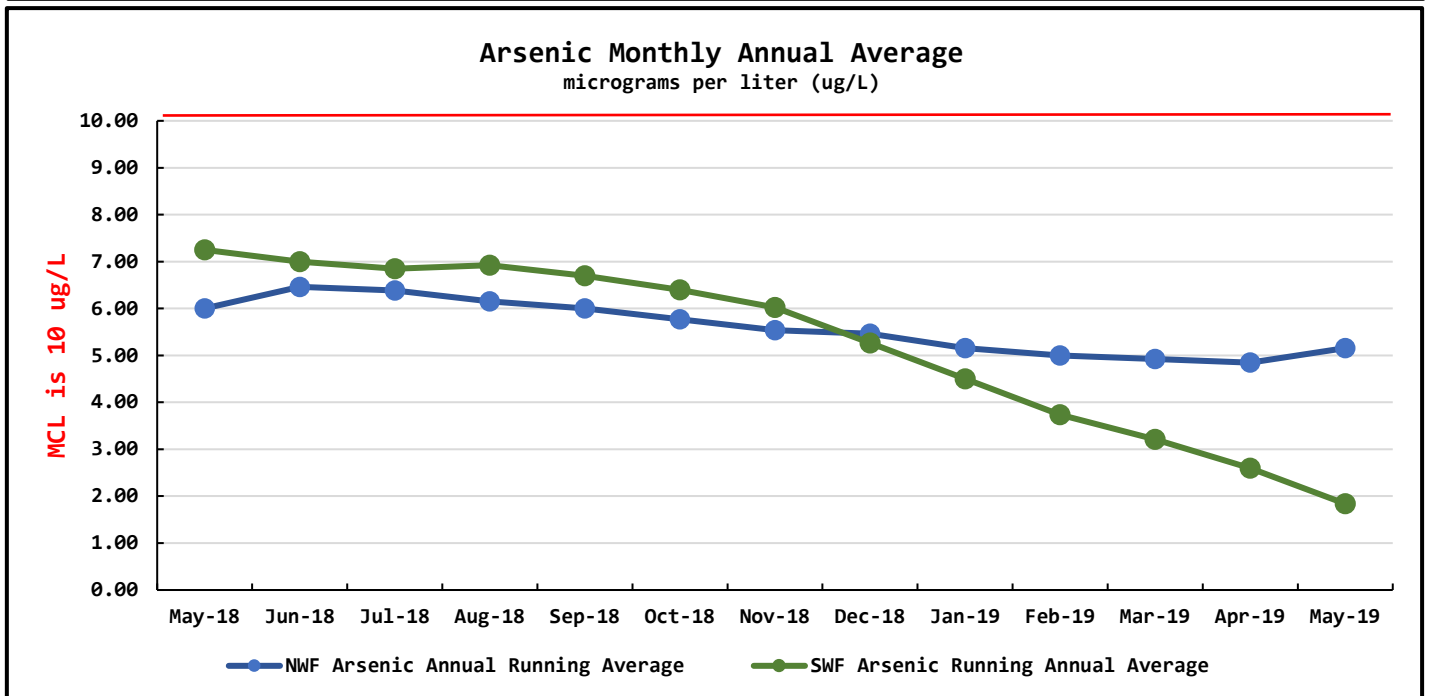
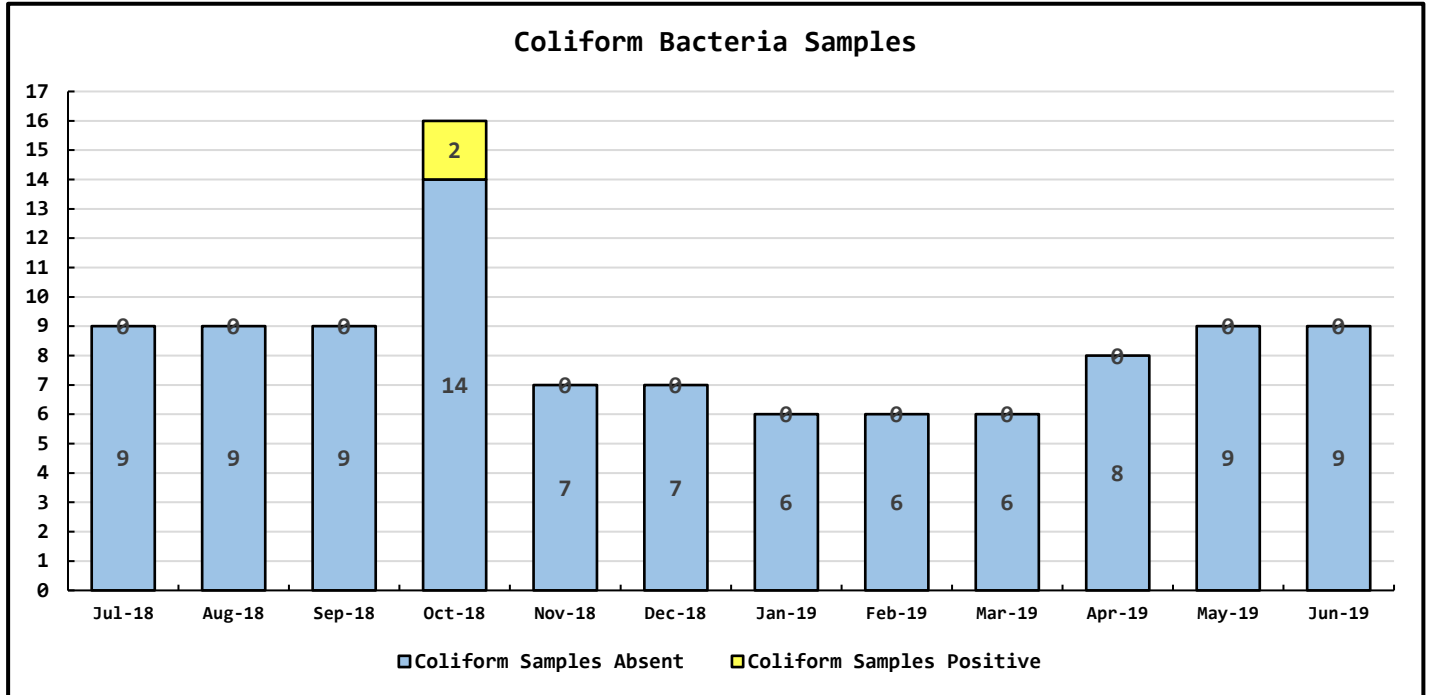
Data Period	Operations Data		
June, 2019	Past Due Accounts	244	<i>ea</i>
	Properties with Liens	32	<i>ea</i>
	Accounts Locked Off	6	<i>ea</i>
	Water Main Locates	29	<i>ea</i>
	Water Quality Complaints	0	<i>ea</i>
	Customer Service Calls	61	<i>ea</i>
	Customer Valves Installed	1	<i>ea</i>
	New Services Installed	1	<i>ea</i>

**Data Period**

**Water Quality Data**

June, 2019

Coliform Samples Collected	9	ea
Coliform Samples Absent	9	ea
Coliform Samples Positive	0	ea
Coliform Sample Positive E. coli	0	ea
NWF Arsenic Annual Running Average	5.15	ug/L
SWF Arsenic Running Annual Average	0.77	ug/L



## General Manager's Report - July 2019

### **Bay Avenue Water Main Replacement Project**

The project is complete. Big River has requested a meeting to present justification for a change order based on changed conditions. On Friday July 19, 2019 Joe Plahuta, project engineer, and myself will meet with Big River to discuss their request. If a change order seems to be appropriate, I will present it to the Board at the August 2019 regular meeting.

### **Emond Easement Water Main Improvements**

Work on the Emond Easement Water Main Improvement project has started. The water main has been installed and pressure tested. We are awaiting the coliform bacteria results before the final connections are completed.

### **Marshall Water Main Extension Agreement**

The Marshall water main extension is complete. The first coliform bacteria sample failed. We disinfected the system again and collected a second that failed. The third sample passed.

It is my hope to have the resolution to approve and accept the infrastructure and to approve a latecomer's agreement with the Marshalls for the July 2019 regular meeting.

### **North Wellfield Treatment Plant**

The NWF treatment plant is removing all contaminants to below the maximum contaminant levels (MCL). The arsenic level, although below the MCL, was slightly elevated in June 2019.

### **Continuous Chlorination**

Teresa Walker has requested a meeting with me to discuss the issue of mandatory continuous chlorination of the distribution system. The meeting is scheduled for Thursday July 18, 2019 at 10:30 am. I will have a supplemental report on the meeting in time for the July Regular Board meeting.

### **Accredited Drinking Water Bacteria Laboratory**

The Board will be considering a Resolution to contract with Professional Training Associates. The scope of work is based on criteria required by the Washington State Department of Ecology Laboratory Accreditation Unit, Rebecca Wood, Supervisor. I have included a copy of the correspondence from Rebecca. The Contract is for a total of \$45,575.00. The Contract time is 17 months. It will take four or five months after project commencement to achieve DOE accreditation. Much of the Contract amount is in the ongoing supervision and training. The Contract amount does not include costs for equipment and supplies. We have estimated \$6,000 will be needed for equipment and supplies. Currently we are required to submit nine routine coliform bacteria samples a month. We collect three samples the first week of the month, two the second week of the month, two the third week of the month and two the fourth week of the month. Taking samples throughout the month provides greater protection for the ratepayers. A routine coliform bacteria analysis cost \$75.00 each. Overnight shipping to the laboratory or two

or three samples is approximately \$30.00. In the winter months (January, February, March) we are required to take six samples per month. Currently, the annual cost for routine coliform water sample analysis is approximately \$8,500.00 per month. As an accredited laboratory the annual cost for analysis of routine coliform bacteria analysis will be approximately \$600.00.

The real value to operating our own laboratory will not be reduced operating cost only. When the District needs to take test the water after distribution repairs, to end a boil water advisory or for new construction the cost per sample can easily be \$300.00 or more. The closest laboratory that will perform an afterhours or emergency test is in Vancouver Washington. The samples, usually two or three, need to be transported by a paid employee to the laboratory. The laboratory charges an afterhours fee of \$150.00 per sample.

The real value in operating an in-house laboratory for E-coli and coliform presence or absent analysis will be in reducing the time our ratepayers will be unable to use their water after a repair or a boil water advisory awaiting for the results of a coliform bacteria test.