

SURFSIDE WATER DEPARTMENT

WATER SYSTEM MANAGER MONTHLY REPORT

REPORT DATE:

March 1, 2018

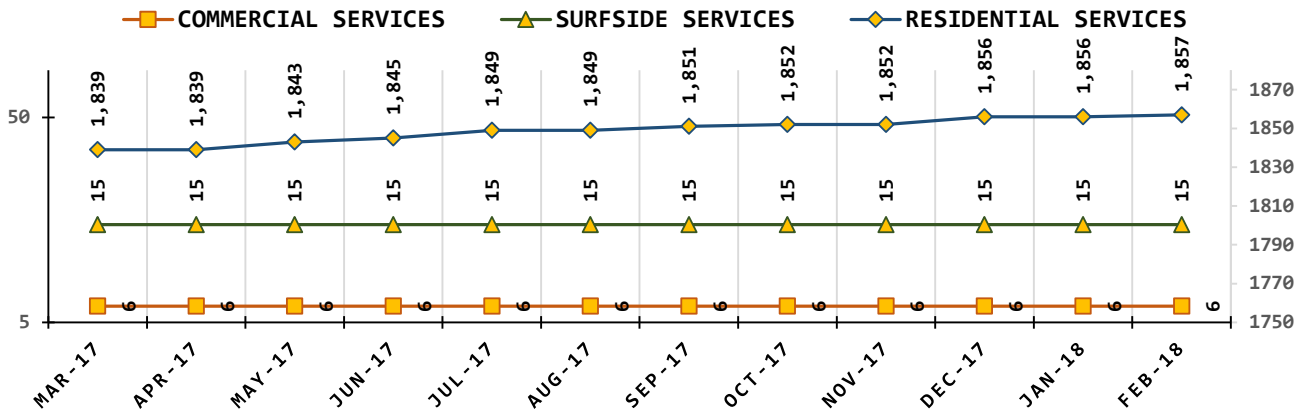
REPORT ON ACTIVITY PERIOD:

1/31/18 THRU 2/28/18

WATER USERS REPORT:

TOTAL RESIDENTIAL WATER SERVICES (AT END OF ACTIVITY PERIOD)	1,857
TOTAL COMMERCIAL WATER SERVICES (AT END OF ACTIVITY PERIOD)	6
TOTAL SURFSIDE WATER SERVICES (AT END OF ACTIVITY PERIOD)	15

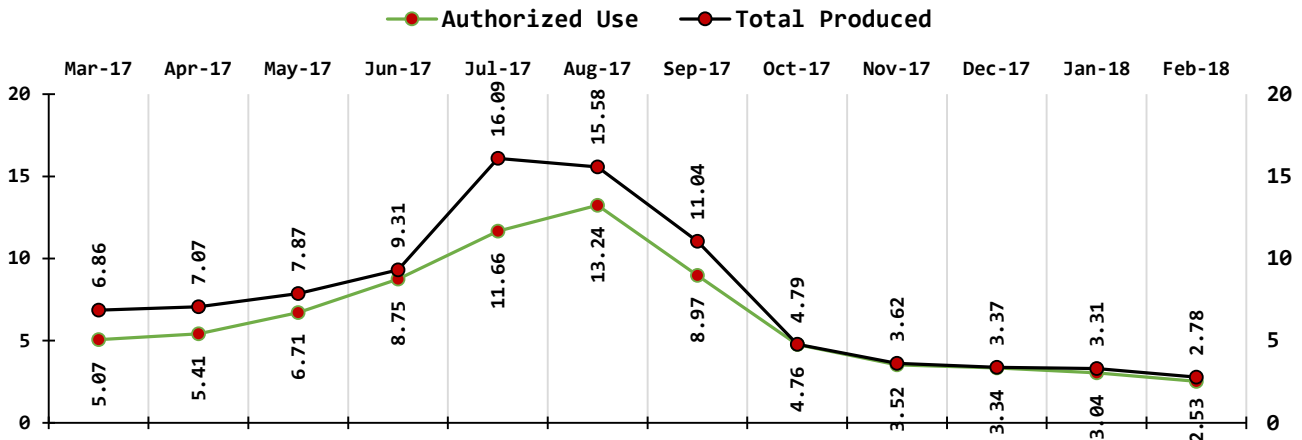
SURFSIDE WATER SERVICES



WATER USE EFFICIENCY REPORT:

TOTAL WATER PRODUCED IN MILLIONS OF GALLONS (2018)	6.09
TOTAL AUTHORIZED WATER USE IN MILLIONS OF GALLONS (2018)	5.56
TOTAL DISTRIBUTION SYSTEM LEAKAGE IN PERCENT (2018)	8.7%

WATER USE EFFICIENCY CHART



CARBON TREATMENT PLANT REPORT:	
RAW WATER COLOR (HU) (ANNUAL AVERAGE)	45
FINISHED WATER COLOR (HU) (ANNUAL AVERAGE)	7
RAW WATER UV-245 (ANNUAL AVERAGE)	0.176
LEAD UV-245 (ANNUAL AVERAGE)	0.078
LAG UV-245 (ANNUAL AVERAGE)	0.028
ATEC TREATMENT PLANT REPORT:	
RAW WATER IRON (MG/L) (ANNUAL AVERAGE)	0.17
FINISHED WATER IRON (MG/L) (ANNUAL AVERAGE)	0.01
RAW WATER MANGANESE (MG/L) (ANNUAL AVERAGE)	0.103
FINISHED WATER MANGANESE (MG/L) (ANNUAL AVERAGE)	0.024
DISINFECTION BYPRODUCTS REPORT:	
SITE 1 - TTHM (UG/L) (RUNNING ANNUAL AVERAGE)	60.0
SITE 1 - HAA5 (UG/L) (RUNNING ANNUAL AVERAGE)	11.4
SITE 2 - TTHM (UG/L) (RUNNING ANNUAL AVERAGE)	70.9
SITE 2 - HAA5 (UG/L) (RUNNING ANNUAL AVERAGE)	1.3
MICROBIAL REPORT:	
ROUTINE COLIFORM BACTERIA SAMPLES (2018)	2
REPEAT COLIFORM BACTERIA SAMPLES (2018)	0
GROUNDWATER RULE COLIFORM BACTERIA SAMPLES (2018)	0
INVESTIGATIVE COLIFORM BACTERIA SAMPLES (2018)	5
CONSTRUCTION COLIFORM BACTERIA SAMPLES (2018)	1
OPERATIONS REPORT:	
CUSTOMER SERVICE CALLS (2018)	23
WATER MAIN LOCATES (2018)	21
DISTRIBUTION LEAK REPAIRS (2018)	0
WATER MAIN BREAKS (2018)	0
NEW SERVICES INSTALLED (2018)	2
EXISTING SERVICES DECOMMISSIONED (2018)	0
CROSS CONNECTION REPORT:	
COMPLIANCE LETTERS SENT OUT (2018)	13
CROSS CONNECTION INVESTIGATIONS (2018)	15
CROSS CONNECTION ONSITE SURVEY (2018)	0
BACKFLOW ASSEMBLIES INSTALLED (2018)	1
BACKFLOW ASSEMBLIES TESTED (2018)	0
BACKFLOW ASSEMBLIES REPLACED (2018)	0
MEMBERS WHO HAVE NOT COMPLETED A WATER USE QUESTIONNAIRE (2018)	8
WATER MAIN REPLACEMENT REPORT:	
LINEAL FEET OF WATER MAIN REPLACED (2018)	680
WATER MAIN VALVES INSTALLED/REPLACED (2018)	4
FIRE HYDRANTS INSTALLED/REPLACED (2018)	0
LINEAL FEET OF RIGHT-OF-WAY RESTORED (2018)	0
MEMBER WATER LEAKS REPORT:	
MEMBER POTENTIAL LEAK LETTERS MAILED (2018)	91
MEMBER LEAK INVESTIGATIONS PERFORMED (2018)	5
MEMBER LEAKS RESOLVED (2018)	16
MEMBER LEAKS UNRESOLVED (Current)	40

TOP WATER USERS REPORT:

PREVIOUS READ DATE:		1/31/2018	CURRENT READ DATE:		2/28/2018
CUBIC FEET	GALLONS	GALLONS PER DAY	COMMENTS		
11,387	85,181	3,042	Continuous Leak 35 Days		
7,370	55,131	1,969	Continuous Leak 3-7 Days		
7,327	54,810	1,957	Intermittent Leak 35 Days		
3,802	28,441	1,016	No Leak 3-7 Days		
3,607	26,982	964	Continuous Leak 35 Days		
3,249	24,304	868	Continuous Leak 35 Days		
2,865	21,432	765	No Leak 3-7 Days		
2,283	17,078	610	Continuous Leak 35 Days		
1,944	14,542	519	Continuous Leak 35 Days		
1,918	14,348	512	Continuous Leak 35 Days		
1,817	13,592	485	Continuous Leak 35 Days		
1,724	12,896	461	Continuous Leak 8-14 Days		
1,642	12,283	439	Continuous Leak 35 Days		
1,590	11,894	425	Intermittent Leak 22-34 Days		
1,422	10,637	380	Continuous Leak 15-21 Days		
1,389	10,390	371	Continuous Leak 35 Days		
1,375	10,286	367	No Leak 1-2 Days		
1,367	10,226	365	Continuous Leak 8-14 Days		
1,351	10,106	361	Continuous Leak 35 Days		
1,313	9,822	351	Intermittent Leak 15-21 Days		
1,186	8,872	317	Continuous Leak 35 Days		
1,173	8,775	313	No Leak 8-14 Days		
1,160	8,677	310	Continuous Leak 35 Days		
1,140	8,528	305	No Leak 15-21 Days		
1,095	8,191	293	Continuous Leak 35 Days		
TOTAL	497,425	GALLONS OF WATER			
IS EQUAL TO	21.6%	OF THE TOTAL METERED RESIDENTIAL WATER			
IS USED BY	1.35%	OF THE RESIDENTIAL METERED SERVICES			

WATER SYSTEM OPERATIONS REPORT: (APRIL GARCIA, TREATMENT PLANT OPERATOR)

BOOSTER PUMP REPLACEMENT PROJECT: In February Ford Electric modified the wiring for the installation of 2 40HP VFD pumps. The pumps were installed March 2nd.

CARBON TREATMENT PLANT: No new complaints about black material in drinking water. Carbon Treatment Plant is operating at peak efficiency.

ATEC: Atec Treatment Plant are working at peak efficiency.

PLANT OPERATIONS: The Water Dept has received a few chlorine taste and odor complaints. We are working with the state on a solution. By keepng chlorine levels higher than normal in the reservoir we have removed the need to rechlorinate before water enters the distribution. We will track the taste and odor complaints for the next few weeks as we determine if this reduction in chlorine will help. Chlorine levels appear to be sustaining and not dropping off quickly, therefore we hope to see our chlorine residuals come up at the far ends of the distribution system even though we are adding less chlorine.

PLANT OPERATIONS: THE Water Dept submitted the following reports to the state: Annual Summary Report for Cross Connection Control and the Water Use Efficiency Annual Performance Report. In March we will update our Water Facility Inventory Report and submit a Water Use Data Report to the Dept of Ecology.

CONSERVATION RATE: The Water Dept prepared special notices for members whose water use has exceeded 10,000 CF in the past 5 years. The letters will be sent in March, along with a general mailing by the business office of postcard notifications for members who own lots with water.

CROSS CONNECTION: Justin is now a certified BAT and will soon take his state exam to become a certified Cross Connection Control Specialist.

CROSS CONNECTION CONTROL REPORT (APRIL GARCIA, CROSS CONNECTION CONTROL COORDINATOR)

Number of DCVA and RPBA protecting system:	147
Number of DCVA and RPBA tested in 2018:	0
Number of members with cross connection hazards pending removal:	6
Number of members with cross connection hazards pending investigation:	5
Number of DCVA and RPBA pending installation:	6
Number of water services locked off for failure to return questionnaire:	8

WATER MAIN REPLACEMENT (WMR) COMMENTS: (GILBERT GONZALEZ, RESPONSIBLE OPERATOR IN CHARGE)

Road Restoration on 324th Place.

OYSTERVILLE LOOP PROJECT: (Bill Neal, Water System Manager)

Working with members to get easements signed.

BOOSTER PUMP REPLACEMENT PROJECT: (Bill Neal, Water System Manager)

All four of the new booster pumps are up and running as of Friday March 2, 2018. We are able to produce up to 2,000 gallons per minute for fire flow and filtration backwash water. The variable speed drives are working as designed. We currently are maintaining 53 psi at the booster station. Depending on elevation, members will notice a variation of less than 10 psi (58 at low elevations and 48 at high elevations). (2.31 feet of elevation equal 1 psi)

