

GENERAL MANAGER'S REPORT

REPORT ON WATER SYSTEM OPERATIONS FOR THE MONTH OF:

The Meter Period for this report is:			through	
The Billing Period for this Report is:			through	
The Activity Period for this Report is:			through	
1	Total Water Pumped (TWP) from all Wells in Metering Period			mg ¹
2	Total Water Used for Unidirectional Flushing in Metering Period			mg
3	Total Water Used for Reactionary Flushing in Metering Period			mg
4	Total Water Used for Backwashing Filters in Metering Period			mg
5	Total Water Lost and Used Repairing Leaks in Metering Period			mg
6	Total Other Known Water Used in Metering Period			mg
7	Total Water Sold in Metering Period			mg
8	Total Authorized Water Use in Metering Period (sum of 2 through 7)			mg
9	Total Distribution System Leakage (DSL) in Metering Period (difr. between 1 and 8)			mg
10	Percentage of TWP that is DSL			pct
11	Total Water Pumped (TWP) from all Wells in 2015 to date			mg
12	Total Authorized Water Use in 2015 to date			mg
13	Total Distribution System Leakage (DSL) in 2015 to date			mg
14	Percentage of TWP that is DSL in 2015 to date			pct
15	Residential Accounts in Billing Period	TS ² :	TBR ³ :	TMR ⁴ :
16	Commercial Accounts in Billing Period	TS:	TBR:	TMR:
17	Fire Flow Accounts in Billing Period	TS:	TBR:	TMR:
18	Surfside Management in Billing Period	Contract:	REIMB ⁵ :	
19	Other / Total Income in Billing Period	Other:	TI ⁶ :	
20	Past Due Accounts	30 days:	≥60 days:	Locked/Off:
				Liened Prop.:
21	Activity Period	Water Main Locates:	Customer Valves Installed:	
22	Water Quality Complaints:	Customer Service Calls:	Other:	

¹ Million Gallons

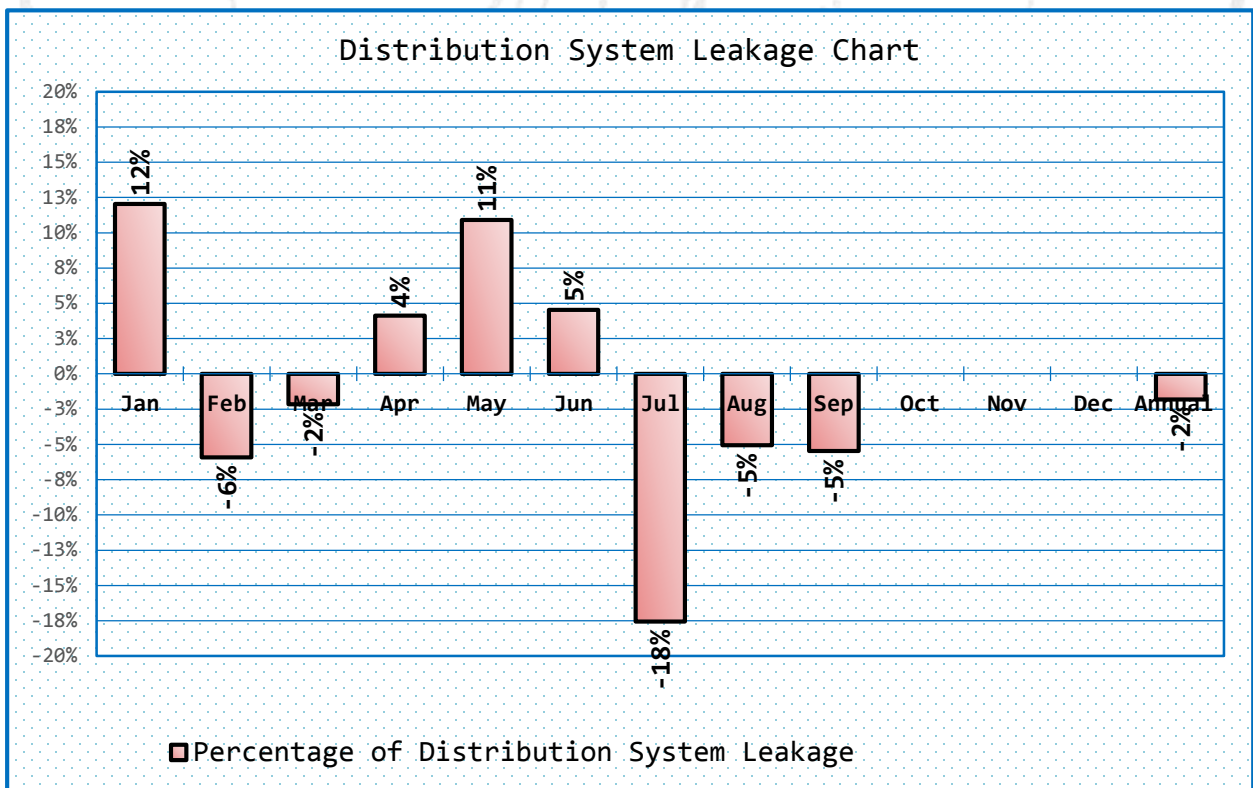
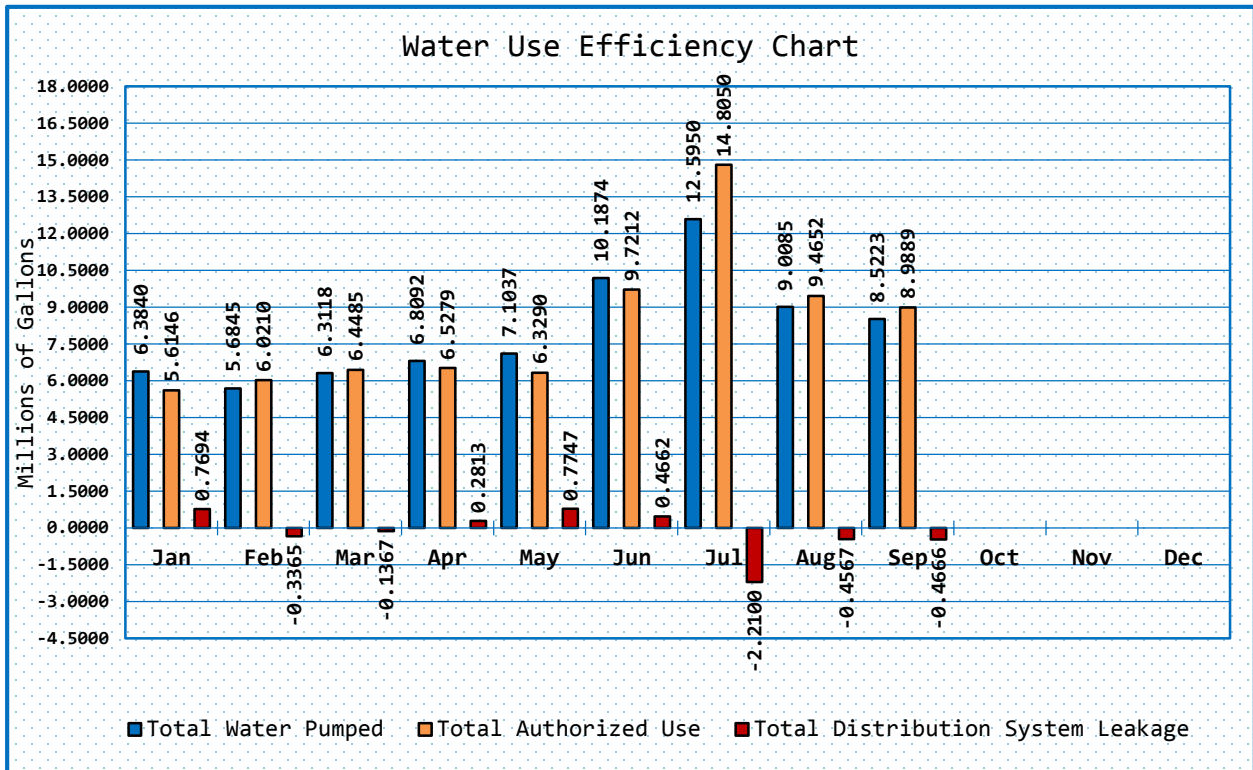
² Total Services

³ Total Base Rate

⁴ Total Metered Rate

⁵ Reimbursement

⁶ Total Income



Operations Report:

Water System Plan:

No action to report.

RFP for Birch Place Booster Stations.

This project is on hold until the South Wellfield waterer main loop is complete. When the loop is complete a new hydraulic analysis will be completed on the Distributions System in Sunset Sands to determine what course of action should be taken in that development.

North Wellfield Well:

No failures or maintenance issues to report in September.

North Wellfield Treatment Plant:

A new meter is being installed to measure the water being treated. As the meter replacement project is nearing completion the amount of water being sold each month is more than the water being produced. We cannot sell more water than we produce so our production meters are out of calibration. It is not surprising considering they are all more than 20 years old. The average life of a production meter is 10 years. WAC 173-173-090 (2) states: **"Upon discovery of a malfunctioning measuring device or facility, the responsible party (owner of the well) shall repair the device or facility and make them operable as soon as possible."** Section 3 give the Department of Ecology the authority to order a responsible party to repair or replace the faulty meter within a specified time period. WAC 173-173 provides detailed instructions on when and how meters should be shop calibrated and/or repaired. WAC 246-290-496(3) states: **"Meters must be selected, installed, operated, calibrated, and maintained following generally accepted industry standards and information from the manufacturer."** The Department of Health will want the District to shop calibrate our source meters when they notice the current readings. The cost of shop calibrating 2 and 3 inch meters is cost prohibitive. It is more cost effective to just replace the meters every ten years, of which we are way overdue. We will be replacing the well meters in the December/January.

South Wellfield:

The crew has completed the installation of the 8" water main loop that will allow the District to abandon the 6" steel water main located on Bob Hill's property. The pipe is being pressure tested and disinfected and then the final connection to the 6" water main will be made. It should be on line by December 1, 2015. Parker Hill has completed the restoration of the driveway and construction of the parking area west of the treatment plant. The crew will be building a short retention wall to finish off the parking area in December.

The crew discovered the 12" water main installed in 2006 as an intertie between Ocean Park Water and Pacific Water was never tied into the 6" "hog back" line as previously believed. Knowing this explains the unexplained distribution

hydraulic deficiencies identified in Gray and Osborne's and Gibbs and Olsen's hydraulic analysis of the distribution system. I have placed Gibbs and Olsen on hold until the new 8" water main is on-line. When the 8" water main is on-line Gibbs and Olsen will perform another hydraulic analysis of the distribution system in Sunset Sands. Once that second hydraulic analysis is complete we will reevaluate planned improvements in Sunset Sands to determine the most appropriate action proceeding forward. I have advised Roger Taylor, President of Sunset Sands HOA, of the discovery and our plans. Roger will be invited to attend the field data collection portion of the second hydraulic analysis.

Drinking Water State Revolving Fund Project:

The Office of Drinking Water Approved the Pilot Study for Wiegardt Wells, ODW Project #14-0804, on September 16, 2015.

Pacific County Department of Community Development issued building permits for the Drinking Water State Revolving Fund Loan projects on October 26, 2015. The fees for the permits is \$16,316.85. That was significantly more than anticipated. Mike Johnson is reviewing the Pacific County Permit Invoice looking for errors that will reduce those fees.

The Department of Ecology approved the District's application for Water Rights Change (No. CG-00174@2) on October 22, 2015. The Report of Examination includes all of the conditions applied for by the District. The District has until January 1, 2030 to put the water to full use.

Gray and Osborne responded to the September 30, 2015 comment letter from the ODW on ODW Project #15-0505, Source Approval for the Wiegardt Wells on October 22, 2015. We anticipate source approval from the ODW in November, 2015

Source approval is the last hurdle before we can start the DWSRF project. Considering the nearness of that approval, Mike Johnson is finalizing the bid documents for the project and we hope to send this project out to bidders in December, 2015. Things are going to get very exiting around here!

AMR Meter Installation Project Report:

The crew installed 160 AMR meters in October, 2015. There are a total of 2,489 AMR meters installed as of October 31, 2015. There are 197 meters left to install. We will have to average 98 meters in November and 97 in December to complete the metering project on time.

Office and Equipment Building Report:

The roof is nearly sheeted and the roofing will began on Monday November 16, 2015. There will be several change orders for the Board to consider in the coming weeks. It is my hope we can have ready for the regular meeting but there may need to be special meetings in December. The most significant change order will be for the ground source heat pump. Thermal Technologies provided the District a very competitive bid for a quality Heat Pump. David Jensen and I have been negotiating with our general contractor to achieve an equitable change order for the heat pump. David and I meet with Ryan Helligso on November

12, 2015 and after weeks of negotiation an equitable resolution to the deductive electrical scope and cost along with a plan to provide the additive electrical work at an equitable cost. David Jensen was instrumental in those negotiations. With David Jensen's assistance we have also found a way to trim other costs in the door package and get a higher quality door for the facility area.

I expect Ryan Helligso and David Jensen to have some of the change orders we have been working on ready on Monday November 16, 2015 for the Board's consideration. If that is the case I will ask the Board to add them to the agenda for consideration at the regular meeting. I will ask David Jensen and Ryan Helligso to attend the meeting so they can answer question the Board may have. David Jensen and his assistant Pat Witherbe and I have worked very hard to keep the change orders to a minimum and to make certain they are equitable.

Water Quality Reports:

I have attached copies of the water samples the District submitted for analysis in September, 2015. They were:

Routine S-01	----	10/12/2015	-----	Coliform Bacteria	-----	Unsatisfactory
Routine S-02	----	10/12/2015	-----	Coliform Bacteria	-----	Satisfactory
Routine S-03	----	10/12/2015	-----	Coliform Bacteria	-----	Satisfactory
Repeat	-----	10/15/2015	-----	GWR Well #1	-----	Satisfactory
Repeat	-----	10/15/2015	-----	GWR Well #4	-----	Satisfactory
Repeat	-----	10/15/2015	-----	GWR Well #8	-----	Satisfactory
Repeat S-01	----	10/15/2015	-----	Distribution	-----	Satisfactory
Repeat 3307	----	10/15/2015	-----	Distribution	-----	Satisfactory
Repeat 3315	----	10/15/2015	-----	Distribution	-----	Satisfactory
Routine S-16	---	10/26/2015	-----	Coliform Bacteria	-----	Satisfactory
Routine S-19	----	10/26/2015	-----	Coliform Bacteria	-----	Satisfactory
Routine S-09	----	10/26/2015	-----	Coliform Bacteria	-----	Satisfactory
Routine S-13	---	10/26/2015	-----	Coliform Bacteria	-----	Satisfactory
Routine S-18	----	9/21/2015	-----	Coliform Bacteria	-----	Satisfactory
Routine	-----	10/09/2015	-----	Arsenic	-----	Satisfactory

End of Report

Report Date: 13-November-2015**Bond Project Fund Summary**

Trans. #	Date	Debit	Credit	Balance	Description
	22-June-2013		1,162,392.64	1,162,392.64	Deposit Bond Project Funds
681	23-July-2013	14,900.00		1,147,492.64	K & L Gates
684	24-July-2013	1,500.00		1,145,992.64	Martin Nelson & Company
701	25-July-2013	9,375.00		1,136,617.64	Standard & Poors
1498	18-November-2013	116,874.39		1,019,743.25	Weigardt Property Purchase
1530	18-November-2013	1,606.56		1,018,136.69	Driftmier Architects P.S.
1718	16-December-2013	4,775.45		1,013,361.24	Driftmier Architects P.S.
146	21-January-2014	535.46		1,012,825.78	Driftmier Architects P.S.
1878	24-October-2014	1,950.00		1,010,875.78	David E Jensen Architects. P.S.
2054	17-November-2014	4,806.25		1,006,069.53	David E Jensen Architects. P.S.
2261	22-December-2014	3,197.50		1,002,872.03	David E Jensen Architects. P.S.
109	26-January-2015	1,807.50		1,001,064.53	David E Jensen Architects. P.S.
287	23-February-2015	9,640.50		991,424.03	David E Jensen Architects. P.S.
293	23-February-2015	4,977.64		986,446.39	Ford Electric Co.
440	16-March-2015	415.00		986,031.39	Robert Boger
448	16-March-2015	12,252.00		973,779.39	David E Jensen Architects. P.S.
676	20-April-2015	17,134.40		956,644.99	David E Jensen Architects. P.S.
697	20-April-2015	1,275.00		955,369.99	PUD #2 of Pacific County
863	18-May-2015	17,966.60		937,403.39	David E Jensen Architects. P.S.
864	18-May-2015	890.00		936,513.39	Pacific County DCD
896	18-May-2015	930.00		935,583.39	Uitti & Associates
899	18-May-2015	7,127.16		928,456.23	David E Jensen Architects. P.S.
1091	22-June-2015	5,919.17		922,537.06	David E Jensen Architects. P.S.
1098	22-June-2015	4,184.71		918,352.35	Ford Electric Co.
1117	22-June-2015	3,177.99		915,174.36	Peninsula Sanitation
1285	20-July-2015	4,975.92		910,198.44	David E Jensen Architects. P.S.

1476	17-August-2015	2,603.75		907,594.69	David E Jensen Architects. P.S.
1489	17-August-2015	1,926.51		905,668.18	JG & A Inc.
1707	21-September-2015	1,975.00		903,693.18	David E Jensen Architects. P.S.
1716	21-September-2015	17,224.26		886,468.92	Helligso Construction
1748	21-September-2015	62,420.00		824,048.92	Helligso Construction
1905	19-October-2015	2,007.35		822,041.57	DPR Builders & Devlopers
1907	19-October-2015	1,975.00		820,066.57	David E Jensen Architects. P.S.
1920	19-October-2015	73,949.47		746,117.10	Helligso Construction

Current Date:	Monday, July 13, 2015	Current Estimated Design Cost:		\$ 868,419.00	Bid Alt. Design	\$ 115,000.00
Date	Description	Contract	Reimbursables	Total	Contract Amount	\$ 753,419.00
10/6/2014	David E Jensen	\$ 1,950.00	\$ -	\$ 1,950.00	Change Order #1	
11/5/2014	David E Jensen	\$ 4,806.25	\$ -	\$ 4,806.25	Change Order #2	
12/5/2014	David E Jensen	\$ 3,197.50	\$ -	\$ 3,197.50	Change Order #3	
1/5/2015	David E Jensen	\$ 1,807.50	\$ -	\$ 1,807.50	Change Order #4	
2/6/2015	David E Jensen	\$ 9,615.00	\$ 25.50	\$ 9,640.50	Change Order #5	
3/5/2015	David E Jensen	\$ 12,252.00	\$ -	\$ 12,252.00		
4/2/2015	David E Jensen	\$ 17,134.40	\$ -	\$ 17,134.40		
5/18/2015	David E Jensen	\$ 17,794.60	\$ 172.00	\$ 17,966.60		
5/18/2015	David E Jensen (BP)	\$ -	\$ 7,127.16	\$ 7,127.16		
6/9/2015	David E Jensen	\$ 5,682.50	\$ 236.67	\$ 5,919.17		
7/8/2015	David E Jensen	\$ 3,585.00	\$ 1,390.92	\$ 4,975.92		
8/10/2015	David E Jensen	\$ 2,303.75	\$ 300.00	\$ 2,603.75		
9/10/2015	David E Jensen	\$ 1,975.00	\$ -	\$ 1,975.00		
10/10/2015	David E Jensen	\$ 1,975.00	\$ -	\$ 1,975.00		
11/10/2015	David E Jensen	\$ 2,285.00	\$ -	\$ 2,285.00		
12/10/2015	David E Jensen					
1/10/2016	David E Jensen					
2/10/2016	David E Jensen					
3/10/2016	David E Jensen					
4/10/2016	David E Jensen					
Total		\$ 86,363.50	\$ 9,252.25	\$ 95,615.75	Total	\$ 868,419.00
10.5% of Estimated Design Cost:		\$ 91,184.00				
Remaining		\$ 4,820.50				

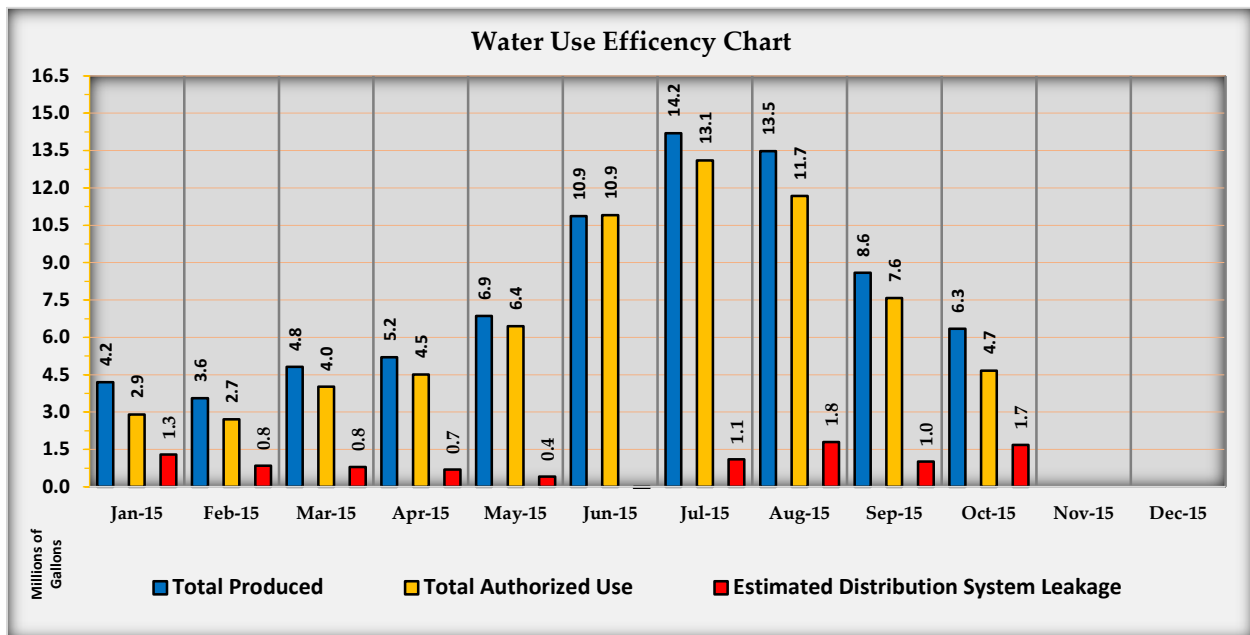


Surfside Water Department Water System Manager's Report

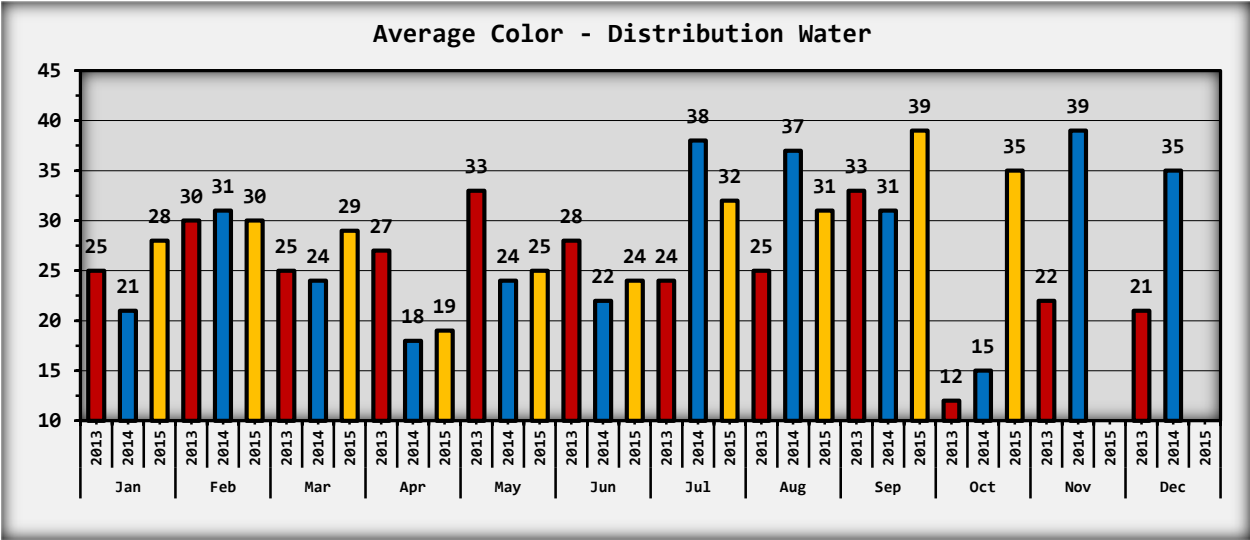
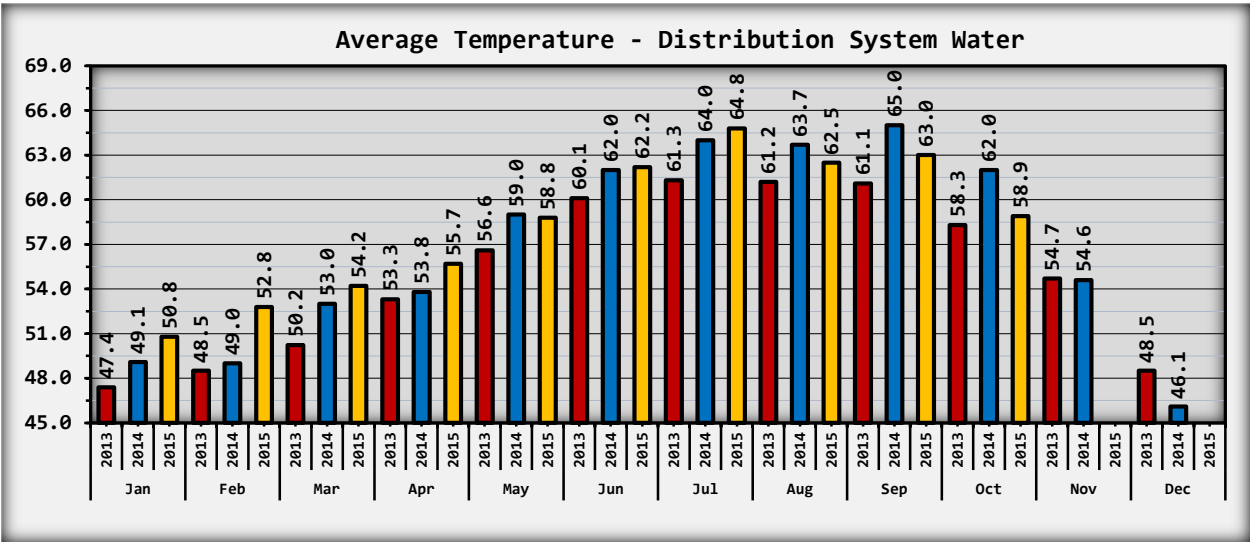
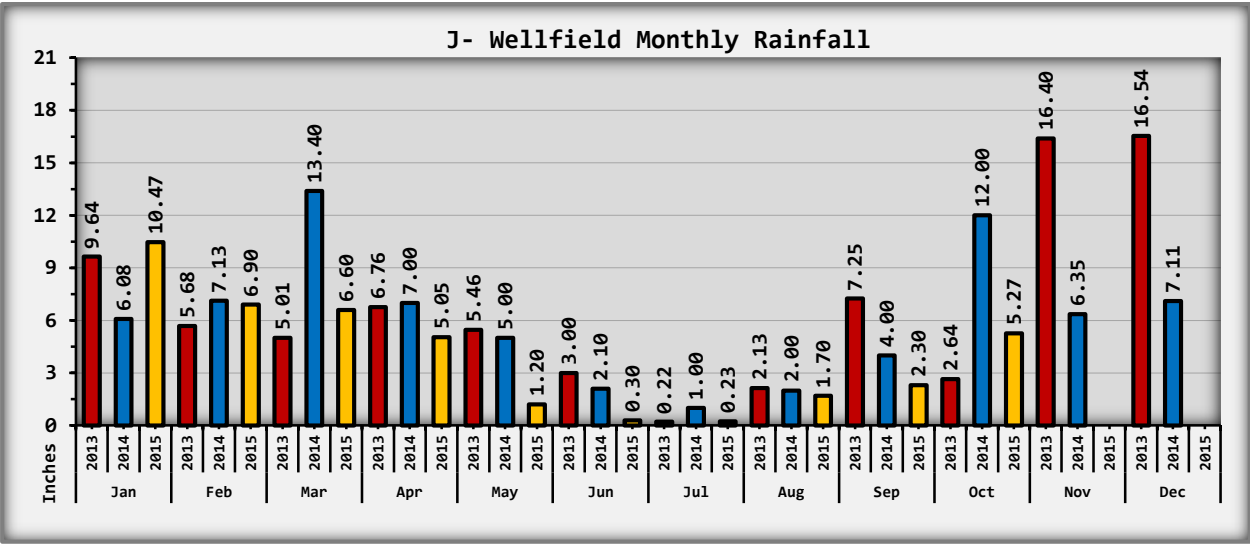
Report On Water System Operations For The Month Of: **November 2015**

Meter Reading Period For This Report: **September 30, 2015** through **October 30, 2015**

Total Water Pumped From Wells	6.348	mg ¹
Total Estimated Authorized Water Use	4.669	mg
Total Estimated Distribution System Leakage (DSL) Gallons	1.679	mg
Total Estimated DSL (Percentage of Total Water Pumped)	26.4%	pct
Total Water Use by Water Department	1.129	mg
Full Time Residential Metered Water Use	1.549	mg
Part-Time Residential Metered Water Use	1.169	mg
Estimated Full Time Residential Unmetered Water Use	0.531	mg
Estimated Part Time Residential Unmetered Water Use	0.292	mg
Commercial Metered Water Use	0.200	mg



¹ Million Gallons



Water Main Replacement (WMR):

No work on WMR in October, 2015.

Meter Installation Project (MIP):

Installed 51 meters in Divisions 13, & Division 08 in October, 2015.

Metering Project to Date by Division:

Complete:

Division:01

Division:02

Division:04

Division:06

Division:10

Division:11

Division:12

Division:14

Division:15

Division:Ocean Crest

Division:Sea Dunes

Division:..... Sunny Slopes

Division:..... Surf View

Division.....03

Division:.....07

Division:..... Ocean Villa

Working In:

Division:.....13

Division:.....08

Pending:

Division:.....16

Division:..... Ocean Woods

Water Main Breaks:

There were zero water main breaks in October, 2015.

Water Main Leaks:

The Crew, with the assistance of attentive members, have found and repaired 14 water main leaks in 2015. They are listed below:

Date	Near	Gallon per Minute	Gallons per Year
February 26, 2015	1609 320 th	10 gpm	5,256,000
March 6, 2015	30711 M Place	20 gpm	10,512,000
March 10, 2015	32011 K Place	20 gpm	10,512,000
March 17, 2015	31902 J Place	10 gpm	5,256,000
April 1, 2015	31305 N Place	15 gpm	7,884,000
April 6, 2015	33006 G Place	5 gpm	2,628,000
April 9, 2015	32217 R Place	15 gpm	7,884,000
April 27, 2015	30514 L Place	10 gpm	5,256,000
May 22, 2015	1106 309 th	15 gpm	7,884,000
May 29, 2015	802 346 th	1 gpm	525,600
June 2, 2015	1413 324 th	10 gpm	5,256,000
June 10, 2015	1607 324 th Place	10 gpm	5,256,000
June 10, 2015	30905 G Street	4 gpm	2,102,400
June 29, 2015	30209 O Place	10 gpm	5,256,000
July 8, 2015	33205 I Street	6 gpm	3,153,600
July 31, 2015	31400 I Street	7.5 gpm	3,942,000
September 10, 2015	1405 324 th Street	8 gpm	4,204,800
September 24, 2015	812 341 st Street	10 gpm	5,256,000
Totals		186.5 gpm	98,025,000



September 24, 2015 - 10 GPM



September 10, 2015 - 8 GPM

Water Quality Tests:

Coliform Samples:

Routine Sample [1407 314th] Date Collected: 10/05/15 Satisfactory
Routine Sample [30705 N Pl.] Date Collected: 10/05/15 Unsatisfactory
Repeat [30611 N Pl.] Date Collected: 10/08/15 Satisfactory
Repeat [30705 N Pl.] Date Collected: 10/08/15 Satisfactory
Repeat [30901 N Pl.] Date Collected: 10/08/15 Satisfactory
GWR [J-4] Date Collected: 10/08/15 Satisfactory
GWR [J-5] Date Collected: 10/08/15 Satisfactory
GWR [J-6] Date Collected: 10/08/15 Satisfactory
GWR [J-7] Date Collected: 10/08/15 Satisfactory
Routine Sample [1205 310th] Date Collected: 10/19/15 Satisfactory
Routine Sample [1310 300th] Date Collected: 10/19/15 Satisfactory

Disinfection By-products: TTHM - MCL 80 Ug/L HAA5 MCL 60 Ug/L

Sample Site 1 - TTHM Date Collected 09/22/15 68.86 Ug/L
Sample Site 1 - HAA5 Date Collected 09/22/15 4.1 Ug/L
Sample Site 2 - TTHM Date Collected 09/22/15 54.16 Ug/L
Sample Site 2 - HAA5 Date Collected 09/22/15 6.1 Ug/L

Cross Connection Control Activity in October, 2015:

CCC Questionnaires Mailed	0
CCC Questionnaires Received	4
Cross Connection Service Calls	14
Backflow Assemblies Installed	1
Backflow Assemblies Tested	9
Compliance Letters Mailed	15
Investigation of Meters/Backflow Assemblies	8

Cross Connection Control Activity for 2015 to Date:

CCC Questionnaires Mailed	0
CCC Questionnaires Received	434
Cross Connection Service Calls	139
Backflow Assemblies Installed	15
Backflow Assemblies Tested	55
Compliance Letters Mailed	181
Investigation of Meters/Backflow Assemblies	85

Cross Connection Control Totals:

Installed Backflow Assemblies	65
Backflow Assemblies To Be Installed (based on returned questionnaires).....	100
Compliant Backflow Assemblies (testing complete)	58
Non-Compliant Backflow Assemblies (scheduled to be tested).....	13
Questionnaires Mailed (first and second notices).....	4000
Members Who Have Not Responded to Questionnaires	626

Water System Activity September, 2015:

Member Potential Leak Letters	11
Member New Leaks 33 Resolved Leaks.... 36 Unresolved Leaks	51
Member Leaks Investigations by Crew:	06
Service Calls	07
Locates	12
New Services	Extraordinary!.....07
Main Breaks	0

Water System Plan:

Karl Johnson with Gray and Osborne has responded to Department of Health comments to the Water System Plan. I expect approve of the plan in December, 2015.

Chloroform Reduction Pilot Test:

The Department of Health has approved the Chloroform (disinfection byproducts) Reduction Pilot Test. I have asked Gray and Osborne to provide an estimate and contract to design a treatment plant per the pilot test for the Boards consideration.

Disinfection By-product Maximum Contaminant Level (MCL) Violation:

The automatic flushing devices have arrived and the crew is installing and calibrating them. I anticipate they will be fully functional by the first of December, 2015.

--END OF REPORT --



OCTOBER 2015 HIGH-MEDIAN WATER USE

ZERO USE AND COMMERCIAL ACCOUNTS EXCLUDED

ADDRESS	CU. FT.	GALLONS	GALLONS PER DAY	LEAK STATUS	
810 355TH PLACE	128	958	32		
29918 M PLACE	129	965	32		
32316 N PLACE	129	965	32		
33015 I STREET	129	965	32		
32008 G STREET	130	972	32	No Leak	1-2 Days
30504 K PLACE	131	980	33		
32108 K PLACE	134	1002	33		
806 324TH PLACE	134	1002	33		
32917 G STREET	138	1032	34	No Leak	3-7 Days
30207 G STREET	139	1040	35		
32505 G STREET	139	1040	35		
32110 K PLACE	139	1040	35		
34604 F PLACE	140	1047	35	No Leak	1-2 Days
29610 I STREET	141	1055	35		
35306 J PLACE	143	1070	36		
1107 302ND PLACE	149	1115	37	Continuous Leak	1-2 Days
1309 303RD PLACE	149	1115	37		
30204 G STREET	150	1122	37		
30200 M PLACE	150	1122	37		
33203 G STREET	150	1122	37	No Leak	1-2 Days
1410 323RD PLACE	151	1130	38	Continuous Leak	15-21 Days
35010 J PLACE	151	1130	38	No Leak	1-2 Days
32507 G STREET	151	1130	38		
32609 J PLACE	153	1145	38	No Leak	1-2 Days
30211 G STREET	154	1152	38		
30811 J PLACE	2243	16779	559		
35313 I PLACE	2267	16958	565	No Leak	3-7 Days
30200 H STREET	2270	16981	566	Intermittent Leak	1-2 Days
30809 K PLACE	2420	18103	603	Continuous Leak	35 Days
35206 G STREET	2469	18469	616	No Leak	8-14 Days
30707 L PLACE	2491	18634	621	No Leak	1-2 Days
1000 320TH PLACE	2554	19105	637		
31001 G STREET	2713	20295	676	No Leak	3-7 Days
30700 N PLACE	2986	22337	745	Continuous Leak	35 Days
1901 322ND PLACE	3206	23983	799	No Leak	15-21 Days
32708 G STREET	3286	24581	819		
30500 G STREET	3413	25531	851		
30707 G STREET	3509	26249	875	No Leak	15-21 Days
30506 I STREET	3596	26900	897	No Leak	3-7 Days
30701 G STREET	3721	27835	928	No Leak	3-7 Days
30211 O PLACE	3764	28157	939	Continuous Leak	35 Days
31714 G STREET	3841	28733	958	No Leak	15-21 Days
34700 J PLACE	3929	29391	980	No Leak	8-14 Days
31012 H STREET	4198	31403	1047	No Leak	3-7 Days
31305 H STREET	5804	43417	1447	No Leak	8-14 Days
30610 M PLACE	6364	47606	1587	No Leak	3-7 Days
30715 G STREET	6500	48623	1621	Continuous Leak	35 Days
32310 K PLACE	8011	59926	1998	Continuous Leak	35 Days
31309 H STREET	8209	61408	2047		
33707 I STREET	12065	90252	3008	No Leak	8-14 Days

OCTOBER 2015 WATER LEAK REPORT

Continuous Leaks

Address	Days of Leak	CU FT.	Gallons	Gallons per day	NO. OF MONTHS OF LEAK	Response due	Leak status
32310 K PLACE	35 Days	8011	59926	1998	4	11/12/2015	MEMBER KNOWS THEY HAVE A LEAK
30715 G STREET	35 Days	6500	48623	1621	5	11/12/2015	
30211 O PLACE	35 Days	3764	28157	939	3		
30700 N PLACE	35 Days	2986	22337	745	5	11/12/2015	
30809 K PLACE	35 Days	2420	18103	603	6	11/12/2015	
32709 G STREET	35 Days	2133	15956	532	1		
29621 K STREET	35 Days	2085	15597	520	1		
32210 K PLACE	35 Days	1918	14348	478	1		
34613 I PLACE	3-7 Days	1821	13622	454	3	11/12/2015	
32805 J PLACE	15-21 Days	1806	13510	450	1		
33101 J PLACE	35 Days	1747	13068	436	7	11/12/2015	
33611 J PLACE	35 Days	1740	13016	434	2		
35410 G STREET	22-34 Days	1614	12074	402	2		
32708 H PLACE	35 Days	1308	9785	326	4	9/15/2015	NO RESPONSE
32908 G PLACE	35 Days	1188	8887	296	1		
30706 H STREET	35 Days	1126	8423	281	9		IRRIGATION LEFT ON
2006 320TH PLACE	35 Days	937	7009	234	4		
706 OYSTERVILLE RD	22-34 Days	908	6792	226	4		REPAIRED TOILET
30517 K PLACE	35 Days	781	5842	195	8	9/15/2015	NO RESPONSE
GOLF SHOP 1009 315TH	22-34 Days	729	5453	182	7		
31206 J PLACE	22-34 Days	686	5132	171	1		
33210 I STREET	35 Days	670	5012	167	4	9/15/2015	NO RESPONSE
33612 J PLACE	35 Days	661	4945	165	1		
33307 H PLACE	0 Days	594	4443	148	2		
1100 322ND STREET	35 Days	592	4428	148	3		
30516 O PLACE	22-34 Days	557	4167	139	2		
32418 I STREET	3-7 Days	547	4092	136	2		
1400 322ND PLACE	35 Days	538	4025	134	2		
30011 I STREET	35 Days	522	3905	130	1		
29518 H STREET	35 Days	517	3867	129	6	9/15/2015	NO RESPONSE
33415 I STREET	35 Days	512	3830	128	5		
34503 J PLACE	3-7 Days	509	3808	127	5		
33015 J PLACE	35 Days	496	3710	124	4		
32209 K PLACE	35 Days	486	3636	121	5	9/15/2015	NO RESPONSE
33408 J PLACE	35 Days	475	3553	118	5		CAN'T FIND
1602 320TH PLACE	35 Days	450	3366	112	3		
812 347TH PLACE	35 Days	386	2887	96	2		
33600 I STREET	35 Days	367	2745	92	1		
29805 K STREET	35 Days	365	2730	91	1		
817 325TH PLACE	35 Days	361	2700	90	1		
35303 I PLACE	15-21 Days	345	2581	86	4	9/15/2015	NO RESPONSE
35504 I PLACE	8-14 Days	323	2416	81	3		
1209 303RD STREET	8-14 Days	271	2027	68	5		IRRIGATION ON A TIMER

OCTOBER 2015 WATER LEAK REPORT

2005 324TH PLACE	35 Days	266	1990	66	2		
35601 G STREET	35 Days	265	1982	66	5	9/15/2015	NO RESPONSE
30505 L PLACE	35 Days	256	1915	64	1		
33705 G STREET	22-34 Days	211	1578	53	1		
1813 324TH PLACE	35 Days	202	1511	50	5	9/15/2015	NO RESPONSE
1410 323RD PLACE	15-21 Days	151	1130	38	1		
1107 302ND PLACE	1-2 Days	149	1115	37	1		
1411 324TH PLACE	35 Days	101	756	25	1		
32603 H PLACE	3-7 Days	87	651	22	2		
34501 F PLACE	3-7 Days	75	561	19	1		
1407 303RD PLACE	3-7 Days	51	382	13	1		
1605 320TH PLACE	35 Days	48	359	12	1		

Intermittent Leaks

Address	Days of Leak	Gallons	Gallons per day	NO. OF MONTHS OF LEAK	Response due	Leak status
WORLDMARK 1005 315th	35 Days	11590	386	3		
30200 H STREET	1-2 Days	2270	76	1		
31902 J PLACE	22-34 Days	1474	49	3		
1212 320TH PLACE	8-14 Days	1127	38	1		
29605 K STREET	22-34 Days	1076	36	3		
29536 I STREET	35 Days	1068	36	2		
1304 322ND PLACE	35 Days	979	33	5		SOAKER HOSES
32909 J PLACE	8-14 Days	972	32	2		
810 OYSTERVILLE RD	22-34 Days	895	30	5		REPAIRED A CONTINUOUS LEAK
29615 K STREET	8-14 Days	887	30	1		
2204 304TH PLACE	35 Days	855	29	1		
31006 G STREET	22-34 Days	655	22	2		
30504 L PLACE	8-14 Days	647	22	1		
30711 O PLACE	22-34 Days	645	22	1		
30005 G STREET	22-34 Days	629	21	4		IRRIGATION
1904 320TH PLACE	8-14 Days	578	19	1		
510 345TH PLACE	3-7 Days	576	19	5		
33609 G STREET	22-34 Days	527	18	5		
703 354TH PLACE	1-2 Days	354	12	1		
30103 H STREET	22-34 Days	326	11	3		
30801 I STREET	35 Days	275	9	1		
33211 G STREET	3-7 Days	251	8	5		
30507 L PLACE	22-34 Days	216	7	9		LEAK ON OUR SIDE REPAIRED 9-10-15
800 324TH PLACE	35 Days	216	7	2		
35405 J PLACE	35 Days	189	6	3		
1400 320TH PLACE	35 Days	183	6	1		
1405 324TH PLACE	22-34 Days	167	6	1		
30007 G STREET	35 Days	59	2	1		
1000 338TH PLACE	3-7 Days	48	2	1		
30205 G STREET	15-21 Days	43	1	1		



Surfside Water Department Cross Connection Control Report

Cross Connection Control Activity in the Month of October:

CCC Questionnaires Mailed.....	0
CCC Questionnaires Received.....	4
Cross Connection Service Calls.....	14
Backflow Assemblies Installed.....	1
Backflow Assemblies Tested.....	9
Compliance Letters Mailed.....	15
Investigation of Meters/Backflow Assemblies.....	8

Cross Connection Control Activity for 2015 January - October:

CCC Questionnaires Mailed.....	0
CCC Questionnaires Received.....	439
Cross Connection Service Calls.....	139
Backflow Assemblies Installed.....	15
Backflow Assemblies Tested.....	55
Compliance Letters Mailed.....	181
Investigation of Meters/Backflow Assemblies.....	85

Cross Connection Control Totals (All Years)

Installed Backflow Assemblies.....	65
Backflow Assemblies To Be Installed (based on returned questionnaires)	100
Compliant Backflow Assemblies (testing complete)	58
Non-Compliant Backflow Assemblies (scheduled to be tested)	13
Questionnaires Mailed (first and second notices)	4000
Members Who Have Not Responded to Questionnaires	626


Cross Connection Coordinator

10-30-2015
Date

Water System Manager

Date



MONTHLY WATER SYSTEM DATA REPORT

Month/Year	Name of Operator Reporting		

Data	Reading	Unit	Target
Avg. Raw Water Iron (Fe)		mg/L	N/A
Avg. Finished Water Iron (Fe)		mg/L	≤ 0.3
Avg. Raw Water Manganese (Mn)		mg/L	N/A
Avg. Finished Water Manganese (Mn)		mg/L	≤ 0.05
Avg. Raw Water pH		pH	7.5-8.5
Avg. Finished Water pH		pH	7.2-7.8
Avg. Raw Water Color (HU)		HU	≤ 60
Avg. Finished Water Color (HU)		HU	≤ 15
Avg. Raw Water Temperature (°F)		°F	N/A
Avg. Finished Water Temperature (°F)		°F	N/A
Avg. Raw Water Ammonia (NH3)		mg/L	≤ 30
Avg. Finished Ammonia (NH3)		mg/L	≤ 15
Avg. Raw Water Silica (Sio2)		mg/L	≤ 70
Avg. Finished Silica (Sio2)		mg/L	≤ 70
Avg. Raw Water Tannin		mg/L	≤ 1
Avg. Finished Tannin		mg/L	≤ 0.5
Avg. Raw Water Conductivity (μhos/cm)		μhos/cm	≤ 800
Avg. Raw Water TDS		mg/L	≤ 400
Avg. Raw Water Chloride (Cl)		mg/L	≤ 250
Avg. Green Pipe Water Total Chlorine (CL2) (Treated Water)		mg/L	≤ 2.50 ≥ 1.70
Avg. Green Pipe Water Free Chlorine (CL2) (Treated Water)		mg/L	≤ 1.50 ≥ 0.50
Avg. Blue Pipe Water Total Chlorine (CL2) (Finished Water)		mg/L	≤ 1.20 ≥ 0.50
Avg. Blue Pipe Water Free Chlorine (CL2) (Finished Water)		mg/L	≤ 0.75 ≥ 0.20
Avg. Reservoir Water Total Chlorine (CL2) (Stored Water)		mg/L	≤ 0.80 ≥ 0.30
Avg. Reservoir Water Free Chlorine (CL2) (Stored Water)		mg/L	≤ 0.20 ≥ 0.05

Continued on Reverse Side

Avg. Rechlorinated Water Total Chlorine (CL2)		mg/L	≤ 1.00 ≥ 0.50
Avg. Rechlorinated Water Free Chlorine (CL2)		mg/L	≤ 0.50 ≥ 0.30
Avg. Distribution Water Total Chlorine (CL2)		mg/L	≤ 0.80 ≥ 0.20
Avg. Distribution Water Free Chlorine (CL2)		mg/L	≤ 0.50 ≥ 0.05
Avg. Distribution Water Color (HU)		HU	≤ 15
Avg. Distribution Water Temperature (°F)		°F	N/A
Avg. Distribution Water pH		pH	7.2-7.8
Jar Test		mg/L	≤ 1.80 ≥ 1.20
J-1 Idle Measure from TOP		Ft/In.	N/A
J-1 Measure from TOP		Ft/In.	N/A
J-2 Measure from TOP		Ft/In.	N/A
J-3 Measure from TOP		Ft/In.	N/A
J-4 Measure from TOP		Ft/In.	N/A
J-5 Measure from TOP		Ft/In.	N/A
J-6 Measure from TOP		Ft/In.	N/A
J-7 Measure from TOP		Ft/In.	N/A
Rainfall		In.	N/A
Locates		N/A	N/A
Service Calls (contacts with members about water concerns)		N/A	N/A
New Service(s)		N/A	N/A
Water Main Breaks		N/A	N/A
		N/A	N/A
		N/A	N/A
		N/A	N/A
		N/A	N/A

Operator Signature

11-9-15

Date

Field Superintendent Signature

Date

Water System Manager Signature

Date



AUGUST water leaks: 57/56 (continuous/intermittent)



SEPTEMBER leak letters sent: 0



SEPTEMBER leak inspections: 18



Leaks resolved in SEPTEMBER: 56

AUGUST UNRESOLVED LEAKS

2 MONTHS OLD: 19

3 MONTHS OLD: 26

4 MONTHS OLD: 6

5 MONTHS OLD: 2

6 MONTHS OLD: 2

7 MONTHS OLD: 3



SEPTEMBER water leaks: 50/38 (continuous/intermittent)



OCTOBER leak letters sent: 11



OCTOBER leak inspections: 6



Leaks resolved in OCTOBER: 36

SEPTEMBER UNRESOLVED LEAKS

NEW LEAKS: 31

2 MONTHS OLD: 18

3 MONTHS OLD: 10

4 MONTHS OLD: 20

5 MONTHS OLD: 2

6 MONTHS OLD: 2

7 MONTHS OLD: 2

8 MONTHS OLD: 3



OCTOBER water leaks: 55/30 (continuous/intermittent)



NOVEMBER leak letters sent: 16



NOVEMBER leak inspections: 8 and counting



Leaks resolved in OCTOBER: PENDING

OCTOBER UNRESOLVED LEAKS

NEW LEAKS: 33

2 MONTHS OLD: 13

3 MONTHS OLD: 10

4 MONTHS OLD: 8

5 MONTHS OLD: 14

6 MONTHS OLD: 2

7 MONTHS OLD: 2

8 MONTHS OLD: 2

9 MONTHS OLD: 2



MONTHLY WATER USE EFFICIENCY REPORT

Month/Year

Name of Operator Reporting

From:		To:					
Well	Total (Gal.)	Well	Total (Gal.)	Well	Total (Gal.)	Total	
J-2		J-3		J-4			
J-5		J-6		J-7			
J-Well Field Total Water Pumped (TP)						TP	
Water Used to Backwash Filters						BWW	
Water Used for Unidirectional Flushing						UDF	
Water Used for Reactionary Flushing						RAF	
Water Used for Water Main Replacement Flushing						WMR	
Water Used or Lost for Water Main Breaks						WMB	
Residential Water Use						MRU	
Commercial Water Use						MCU	
Other Authorized Water Use						OAU	
Total Authorized Water Use (AU)						TAU	
FT-Metered ¹		PT-Metered ²		FT-Unmetered ³		PT-Unmetered ⁴	
Total Water Use This Month by Full Time Metered Members						TFTM	
Average Water Use This Month per Full Time Metered Member						FTM	
Total Water Use This Month by Part Time Metered Members						TPTM	
Average Use This Month per Part Time Metered Member						PTM	
Estimated Total Use This Month by Full Time Unmetered Members						TFTU	
Estimated Average Use This Month per Full Time Unmetered Member						FTU	
Estimated Total Use This Month by Part Time Unmetered Members						TPTU	
Estimated Average Use This Month per Part Time Unmetered Member						PTU	
Estimated Distribution System Leakage (DSL) This Month (Gallons)						DSL _G	
Estimated DSL (Percentage of Total Water Pumped)						DSL _P	

Operator Signature

Date

Operator Signature

Date

Operator Signature

Date

¹ Water use more than 1,500 gallons per month - Considered Full-Time

² Water use less than 1,500 gallons per month - Considered Part-Time

³ Water Service without a meter that has a local address - Considered Full-Time

⁴ Water Service without a meter that does not have a local address - Considered Part-Time



MONTHLY WATER USE DATA REPORT

Month/Year		Name of Operator Reporting			
Description					Cu. Ft.
Total Metered Water (TMW)					
Total Metered Commercial (TMC)					
Total Metered Residential ^③ (TMR)					
Total Continuous Leak (TCL)					
Total Intermittent Leak (TIL)					
Total Serious Leak (Meter reports both abnormal water use pattern and high water use) (TSL)					
Commercial Water Use Detail				Cu. Ft.	Rate
Washington State Parks (Great Day Deli)					
Washington State Parks (Surfside Golf Shop)					
Kaino Holdings Inc. (Lighthouse Reality)					
Surfside Mini Mall					
Surfside Condo #1 Owners (Surfside Inn Pool and Irrigation)					
Worldmark® by Wyndham (Surfside Inn Condominiums)					
Residential Water Use Detail				%TM^②	TSIC^③
Total Unmetered Connections (estimated) (less estimated DSL ^⑤)					
Total Metered Connections ^② (TM)					
Total Registered - 0 Cu. Ft. (0 gpd)					
Total Registered - 1 to 150 Cu. Ft. (0-37 gpd) Very Low Water Use					
Total Registered - 151 to 300 Cu. Ft. (37-75 gpd) Low Average Water Use					
Total Registered - 301 to 600 Cu. Ft. (75-150 gpd) Average Water Use					
Total Registered - 601 to 900 Cu. Ft. (150-225 gpd) High Average Use					
Total Registered - 901 to 1200 Cu. Ft. (225-300 gpd) High Water Use					
Total Registered - 1201 to 2400 Cu. Ft. (300-600 gpd) Very High Use					
Total Registered - ≥ Than 2401 Cu. Ft. (≥ 601 gpd) Extreme High Use					

Operator Signature

Date

Field Superintendent Signature

Date

Water System Manager Signature

Date

③-TSIC, means total services in the category. ④-TCF means total cubic feet. ⑤-DSL means Distribution System Leakage.



MONTHLY ACTIVITY DATA REPORT

Month/Year

Name of Operator Reporting

Maintenance & Operation (M&O)		Employee	R-Hrs.
Vender:	Amount	R-Hrs/Comp-Hrs	OT Hrs.
		Gil	
		Aaron	
		Larry	
		April	
		Chris	
		Caleb	
		John	
		Total R Hrs.	
Total		Total OT Hrs.	

Water Main Replacement (WMR)		Employee	R-Hrs.
Vender:	Amount	R-Hrs/Comp-Hrs	OT Hrs.
		Gil	
		Aaron	
		Larry	
		April	
		Chris	
		Caleb	
		John	
		Total R Hrs.	
Total		Total OT Hrs.	

Monthly Activity Data Report

Meter Installation Project (MIP)		Employee	R-Hrs.
			OT Hrs.
Vender:	Amount	Gil	
		Aaron	
		Larry	
		April	
		Chris	
		Caleb	
		John	
		Total R Hrs.	
Total		Total OT Hrs.	

Common Property (L&B)		Employee	R-Hrs.
			OT Hrs.
Vender:	Amount	Gil	
		Aaron	
		Larry	
		April	
		Chris	
		Caleb	
		John	
		Total R Hrs.	
Total		Total OT Hrs.	



MONTHLY ACTIVITY DATA REPORT

Special Project:		Employee	R-Hrs.
			OT Hrs.
Vender:	Amount	Gil	
		Aaron	
		Larry	
		April	
		Chris	
		Caleb	
		John	
		Total R Hrs.	
Total		Total OT Hrs.	

Description of Materials Used By Crew During Month	Amount	For

Monthly Activity Data Report

[illegible]

11-9-15

Reporting Operator Signature

Date _____

Field Superintendent Signature

Date _____

Water System Manager Signature

Date _____