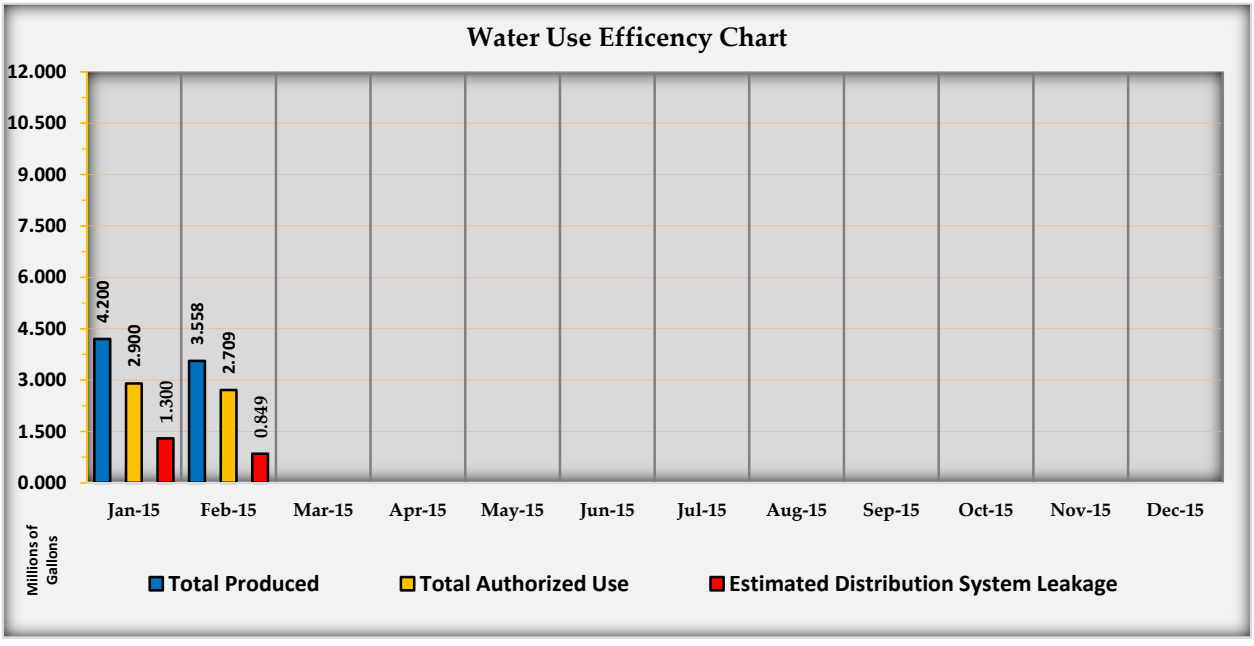
Surfside Water Department
Water System Manager's Report

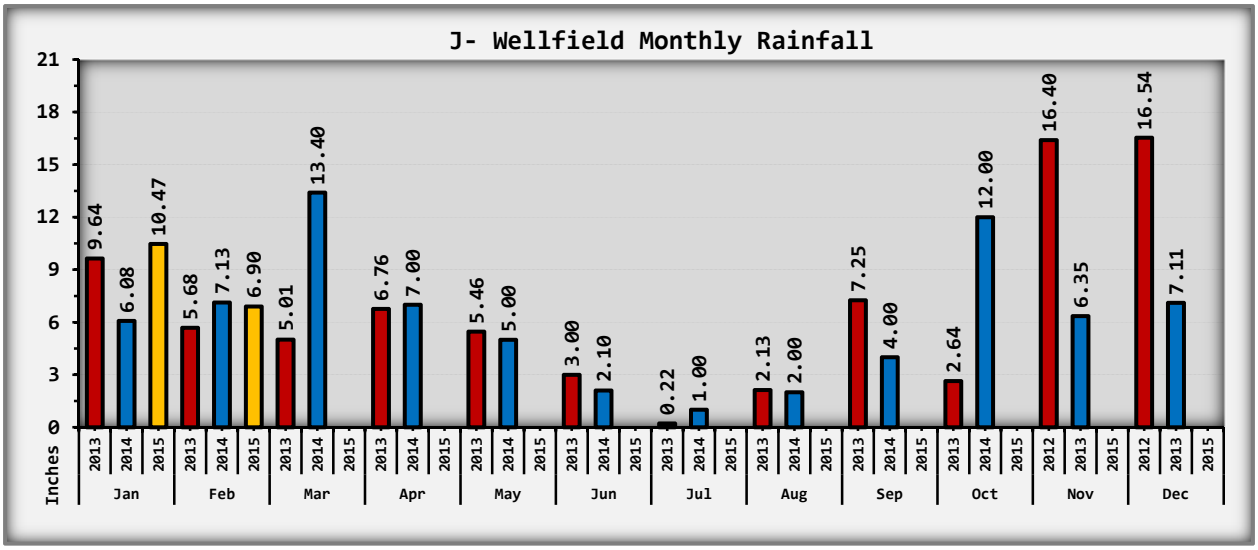
Report On Water System Operations For The Month Of:	**February 2015**

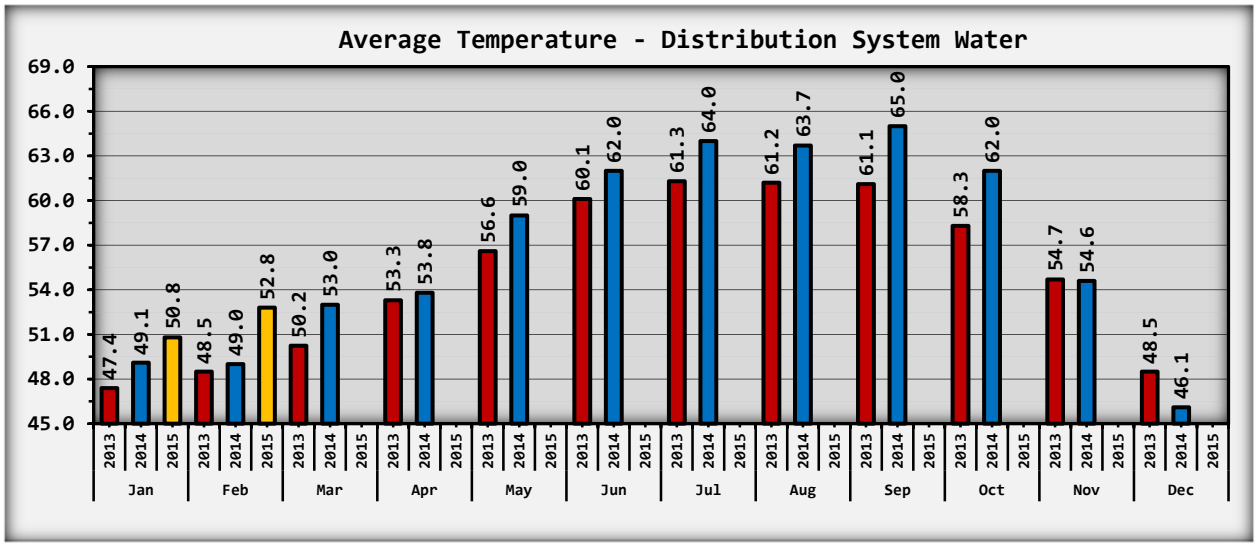
Meter Reading Period For This Report:	**January 30, 2015**	through	**February 27, 2015**

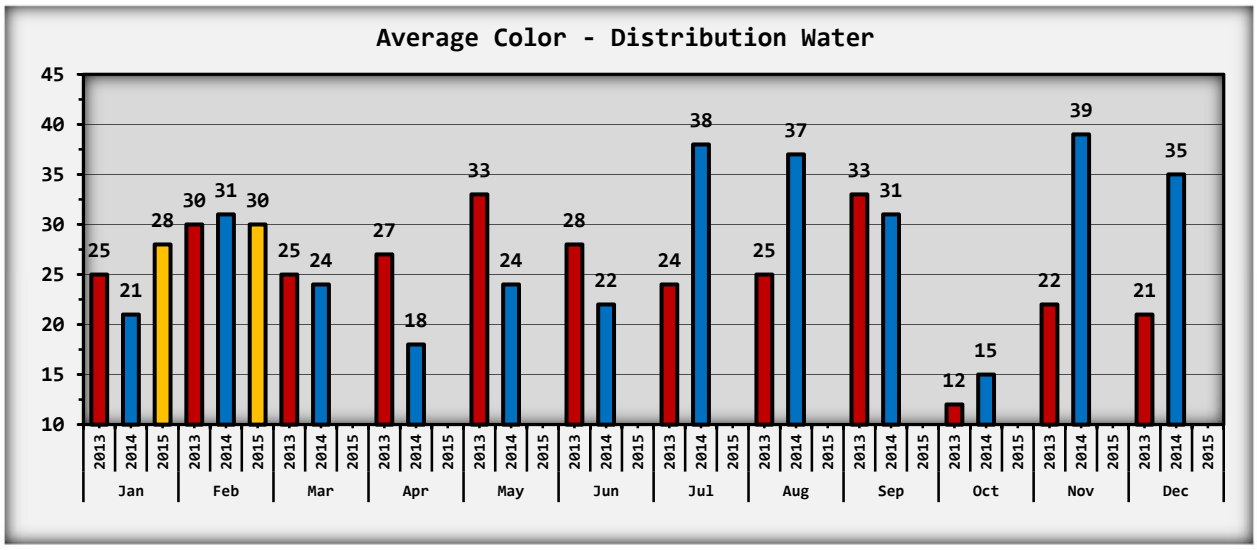
Total Water Pumped From Wells	**3.558**	mg[1]
Total Estimated Authorized Water Use	**2.709**	mg
Total Estimated Distribution System Leakage (DSL) Gallons	**0.849**	mg
Total Estimated DSL (Percentage of Total Water Pumped)	**23.9%**	pct
Total Water Use by Water Department	**0.367**	mg
Full Time Residential Metered Water Use	**0.950**	mg
Part-Time Residential Metered Water Use	**0.231**	mg
Estimated Full Time Residential Unmetered Water Use	**0.923**	mg
Estimated Part Time Residential Unmetered Water Use	**0.129**	mg
Commercial Metered Water Use	**0.109**	mg



[1] Million Gallons


J- Wellfield Monthly Rainfall
Inches
Jan 9.64 6.08 10.47
Feb 5.68 7.13 6.90
Mar 5.01 13.40
Apr 6.76 7.00
May 5.46 5.00
Jun 3.00 2.10
Jul 0.22 1.00
Aug 2.13 2.00
Sep 7.25 4.00
Oct 2.64 12.00
Nov 16.40 6.35
Dec 16.54 7.11


Average Temperature - Distribution System Water
Jan 47.4 49.1 50.8
Feb 48.5 49.0 52.8
Mar 50.2 53.0
Apr 53.3 53.8
May 56.6 59.0
Jun 60.1 62.0
Jul 61.3 64.0
Aug 61.2 63.7
Sep 61.1 65.0
Oct 58.3 62.0
Nov 54.7 54.6
Dec 48.5 46.1

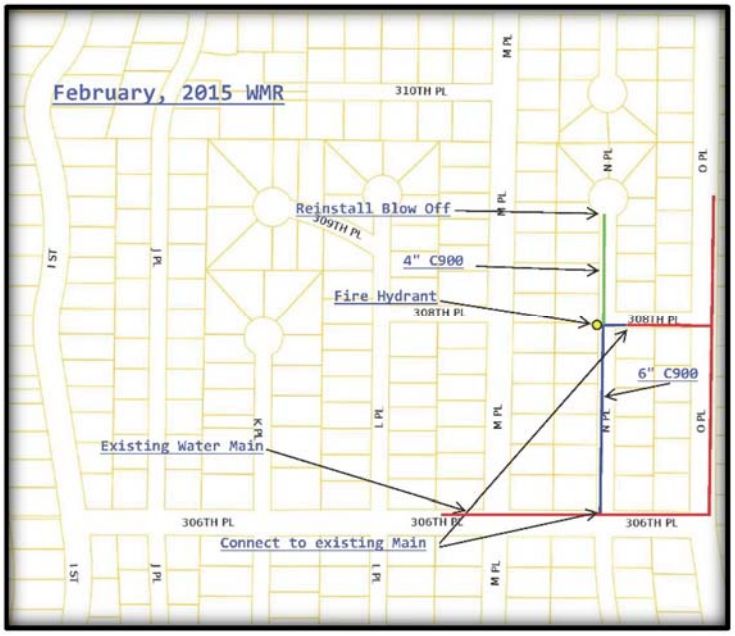

Average Color - Distribution Water
Jan 25 21 28
Feb 30 31 30
Mar 25 24
Apr 27 18
May 33 24
Jun 28 22
Jul 24 38
Aug 25 37
Sep 33 31
Oct 12 15
Nov 22 39
Dec 21 35

Chloroform Reduction Pilot Test:

The final report from the engineer is due in June 2015.

Water Main Replacement (WMR):

The crew worked on N Place north of 306th in February 2015. They installed approximately 750 feet of water main, one fire hydrant, four valves, and made two connections to the existing water system. The new line was tested for integrity and disinfection and placed in service. All road restoration is complete.



Meter Installation Project (MIP):

No MIP work was performed in February.

Water System Plan:

The Water System Plan is in the final Draft Stage. The final steps are:

1) Board must adopt Goals and Measures by resolution (March regular meeting);
2) Optional Step: special meeting to present the plan to the membership and accept comments from the membership on the plan. The special meeting could be held just before the April meeting;
3) The Board must approve the plan (motion and majority vote);
4) The Plan must receive a State Environmental Policy Act (SEPA) Determination of Non-Significance from Pacific County;
5) The Plan must receive approval from the Washington State Department of Health;
6) The Board of Trustees must adopt by resolution the State Approved Water System Plan.

Water Main Leaks:

The Crew, with the help of observant members, discovered two significant leaks and one potential leak in February. One has been repaired and one is scheduled to be repaired on March 9, 2015.

The first leak was on the 3/4" transmission line from the water main to the water service located at 1609 320th Place. The leak was caused by pipe

Restoration after repair

failure. The estimated size of the leak was 8,000 gallons per day.

The second leak is at the intersection of 320th Place and K Place. This leak will be much more difficult to address. There is no obvious source of the leak. These kinds of leaks are often a breach in the water main or a coupler that has not yet burst. There have been two water main burst in the general vicinity this winter. Locates have been ordered and the crew will be begin work on this leak on Monday.

The third potential leak will be investigated more fully after the K Place leak is repaired. The third potential leak is on L Place near the intersection of 309th Place. There is significant puddling on the road disproportionate to the amount of rain we have experienced this week. There is no obvious source of a leak nor any obvious streaming or pooling of water consistent with a leak. This water accumulation will be watched to see if it reduces over the weekend as the weather is forecast to be dry.

Water Quality Tests:

The water department submitted two water samples to a state approved water testing laboratory for coliform bacteria testing in February. Both of the samples tested negative for coliform bacteria.

2015 WMR Materials Arriving

New Fire Hydrant-West side of N Place at the intersection of 308th Place

At the request of Chris Hanson, Board Treasurer, I prepared the following report regarding the Water Main Replacement (WMR) project.

Brief Description

Surfside is replacing one mile of Asbestos Cement pipe per year with C-900 PVC pipe. The pipe sizes are 8-inch, 6-inch, and 4-inch. In addition to the pipe, Surfside is replacing all of the fittings, valves, service saddles, corporation stops, fire hydrants, and other below grade infrastructure.

The Board made a significant investment in equipment and tools in 2009 to be able to perform the water main replacement work in-house with a crew that is on the payroll. The main reason for making the investment in equipment and tools and hiring staff to perform the work was cost saving.

Risk

The risk in performing the work in-house is that without skilled tradesmen and oversight of the work it is possible that any cost saving that may be realized in the short term may evaporate in the long term due to a short life cycle of the new water main due to improper installation practices or shoddy work.

Risk Mitigation

The Board has reduced that risk by contracting with an experienced project manager who: 1) Lays out the water main replacement project each year; 2) Estimates the materials required to complete each yearly project; 3) Obtains competitive bids from a minimum of three suppliers for the materials; 4) Periodically inspects the work performed by the Surfside crew, and provides technical assistance as needed for the crew on unforeseen issues as they arise.

As an alternative to the contracted project manager, Surfside could hire an in-house project manager or contract with an engineering firm to provide project management services. Notwithstanding, Surfside's Board of Trustees should continue to provide a qualified project management for the Water Main Replacement project and place quality control as a high priority.

Project Cost for 2014

In 2014 the Surfside crew installed 5,260-feet (.996 miles) of water main, installed 4 fire hydrants, 16 8-inch gate valves, 20 6-inch gate valves, 5 4-inch gate valves, 4540 lbs. of fittings, and reconnected 45 service connections.

Materials:	$106,621
Labor:	$ 55,827
Project Management:	$ 20,000

Total:	$182,448
Cost per lineal foot:	**$34.69**

As a comparison, North Beach Water District contracted the installation of 5020-feet (.951 miles) of water main, installed 5 fire hydrants, 2 12-inch gate valves, 14 8-inch gate valves, 3 6-inch gate valves, 1 2-inch gate valve, 3250 lbs. of fittings, and reconnected 8 service connections.

Contractor:	$438,828
Engineering:	$140,321
Project Management:	$ 38,797
Total:	$617,946
Cost per lineal foot:	**$ 123.10**

As further comparison, the following municipalities installed 6-inch and 8-inch water mains of comparable scope for the following costs per lineal foot.

Napavine – Rush Road (2014)	**$182 per linear foot**[2]
Boistfort Valley Water (2012)	**$89 per linear foot**[3]
City of Kalama (2009)	**$73 per linear foot**[4]
Town of Cathlamet (2009)	**$103 per linear foot**[5]

--END OF REPORT --

[2] As provided by Gray and Osborne, Inc.
[3] As provided by Gray and Osborne, Inc.
[4] As provided by Gray and Osborne, Inc.
[5] As provided by Gray and Osborne, Inc.

Surfside — Monthly Water Use Efficiency Report

Month/Year

Name of Operator Reporting

From:	01/30/2015	To:	02/27/2015		April Reynolds	
Well	Total (Gal.)	Well	Total (Gal.)	Well	Total (Gal.)	Total
J-2	28,000	J-3	28,000	J-4	797,000	853,000
J-5	1,001,000	J-6	849,000	J-7	855,000	2,705,000

J-Well Field Total Water Pumped (TP)	TP	3,558,000
Water Used to Backwash Filters	BWW	172,985
Water Used for Unidirectional Flushing	UDF	0
Water Used for Reactionary Flushing	RAF	0
Water Used for Water Main Replacement Flushing	WMR	137,000
Water Used or Lost for Water Main Breaks	WMB	0
Metered Residential Water Use	MRU	1,181,945
Metered Commercial Water Use	MCU	108,692
Other Authorized Water Use	OAU	57,000
Total Authorized Water Use (AU)	TAU	1,657,622

FT-Metered[1]	273	PT-Metered[2]	887	FT-Unmetered[3]	265	PT-Unmetered[4]	495

Total Water Use This Month by Full Time Metered Members	TFTM	950,095
Average Water Use This Month per Full Time Metered Member	FTM	3,480
Total Water Use This Month by Part Time Metered Members	TPTM	231,850
Average Use This Month per Part Time Metered Member	PTM	261
Estimated Total Use This Month by Full Time Unmetered Members	TFTU	922,253
Estimated Average Use This Month per Full Time Unmetered Member	FTU	3,480
Estimated Total Use This Month by Part Time Unmetered Members	TPTU	129,386
Estimated Average Use This Month per Part Time Unmetered Member	PTU	261
Estimated Distribution System Leakage (DSL) This Month (Gallons)	DSLG	848,738
Estimated DSL (Percentage of Total Water Pumped)	DSLP	23.9%

April Reynolds — Operator Signature — 3-9-15 — Date

Operator Signature — 3-9-15 — Date

Operator Signature — 3/9/15 — 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

FEBRUARY 2015 HIGH AND MEDIAN WATER USERS

Excludes zero use and commercial water accounts

D-B-L	ADDRESS	CUBIC FT.	GALLONS	LEAK STATUS	NO. OF DAYS
17-08-13	34404 J PLACE	120	898		
04-01-01	31001 G STREET	120	898		
18-01-16	510 352ND PLACE	120	898		
11-01-23	33411 G STREET	121	905		
12-04-10	706 336TH PLACE	123	920		
10-09-13	32710 J PLACE	123	920		
14-01-01	32411 K PLACE	124	928		
19-03-08	810 355TH PLACE	125	935		
10-04-14	817 325TH PLACE	125	935	Continuous Leak	8-14 Days
15-05-04	1900 324TH PLACE	127	950		
01-01-10	30205 G STREET	127	950		
04-02-05	31105 H STREET	127	950		
11-03-22	33404 G STREET	128	957		
14-05-02	1302 324TH PLACE	128	957		
11-02-09	33007 G PLACE	128	957		
11-05-01	33113 H PLACE	129	965		
04-05-18	31405 I STREET	129	965		
20-01-22-N	(35210 J Pl)	130	972		
20-02-41	35504 I PLACE	131	980		
12-08-11	33704 J PLACE	135	1010		
03-02-12	30801 I STREET	136	1017		
11-08-06	33100 J PLACE	136	1017		
02-04-14	30804 H STREET	138	1032		
04-02-07	31111 H STREET	138	1032		
01-02-04	30511 G STREET	138	1032		
14-01-09	32209 K PLACE	805	6021		
SS-00-06	33802 I STREET	817	6111		
20-02-40	35503 J PLACE	824	6164		
06-04-08	31710 H PLACE	917	6859		
SRFVW-04	31902 J PLACE	926	6926	Continuous Leak	8-14 Days
14-06-04	1500 324TH PLACE	940	7031	Continuous Leak	35 Days
12-07-08	33612 I STREET	942	7046		
20-02-35	35404 I PLACE	967	7233	Continuous Leak	35 Days
17-07-26	34409 J PLACE	986	7375		
11-06-07	33106 I STREET	992	7420		
01-01-19	30403 G STREET	1008	7540		
11-03-23	33406 G STREET	1072	8019	Continuous Leak	35 Days
12-02-14	809 338TH PLACE	1077	8056	Continuous Leak	22-34 Days
10-08-15	32805 J PLACE	1124	8408		
09-06-04	32306 H PLACE	1278	9559		
10-08-11	32909 J PLACE	1343	10046		
02-02-08	30511 H STREET	1353	10120	Continuous Leak	22-34 Days
18-01-20	34907 G STREET	1648	12327		
11-05-14	33415 I STREET	1673	12514	Continuous Leak	35 Days
02-05-09	30200 H STREET	1714	12821	Continuous Leak	35 Days
13-05-11	31102 O PLACE	1813	13561	Continuous Leak	35 Days
09-05-10	810 324TH PLACE	1992	14900		
12-08-07	33611 J PLACE	2499	18693	Continuous Leak	35 Days
17-01-41	34107 G STREET	3099	23181	Continuous Leak	22-34 Days
09-10-03	1000 320TH PLACE	3413	25529		

FEBRUARY 2015 WATER LEAK REPORT

ADDRESS	LEAK STATUS	# OF DAYS	WATER USE CUBIC FT.	WATER USE GALLONS
1411 324TH PLACE	Continuous Leak	22-34 Days	39	292
35410 G STREET	Continuous Leak	3-7 Days	59	441
32709 G STREET	Continuous Leak	8-14 Days	112	838
817 325TH PLACE	Continuous Leak	8-14 Days	125	935
32606 G STREET	Continuous Leak	35 Days	140	1047
2204 304TH PLACE	Continuous Leak	35 Days	165	1234
35401 G STREET	Continuous Leak	35 Days	182	1361
32201 G STREET	Continuous Leak	35 Days	206	1541
30715 G STREET	Continuous Leak	22-34 Days	239	1788
33101 J PLACE	Continuous Leak	35 Days	273	2042
812 347TH PLACE	Continuous Leak	35 Days	299	2237
33205 I STREET	Continuous Leak	35 Days	338	2528
30103 H STREET	Continuous Leak	35 Days	341	2551
33600 I STREET	Continuous Leak	35 Days	355	2655
35313 I PLACE	Continuous Leak	35 Days	380	2842
32404 G STREET	Continuous Leak	35 Days	405	3029
35405 J PLACE	Continuous Leak	35 Days	491	3673
30011 I STREET	Continuous Leak	35 Days	496	3710
33304 J PLACE	Continuous Leak	35 Days	500	3740
35109 J PLACE	Continuous Leak	35 Days	556	4159
704 357TH STREET	Continuous Leak	15-21 Days	585	4376
1405 324TH PLACE	Continuous Leak	35 Days	639	4780
1211 324TH PLACE	Continuous Leak	35 Days	687	5139
33612 J PLACE	Continuous Leak	35 Days	708	5296
33210 I STREET	Continuous Leak	35 Days	718	5371
34709 J PLACE	Continuous Leak	22-34 Days	721	5393
31902 J PLACE	Continuous Leak	8-14 Days	926	6926
1500 324TH PLACE	Continuous Leak	35 Days	940	7031
35404 I PLACE	Continuous Leak	35 Days	967	7233
33406 G STREET	Continuous Leak	35 Days	1072	8019
809 338TH PLACE	Continuous Leak	22-34 Days	1077	8056
30511 H STREET	Continuous Leak	22-34 Days	1353	10120
33415 I STREET	Continuous Leak	35 Days	1673	12514
30200 H STREET	Continuous Leak	35 Days	1714	12821
31102 O PLACE	Continuous Leak	35 Days	1813	13561
33611 J PLACE	Continuous Leak	35 Days	2499	18693
34107 G STREET	Continuous Leak	22-34 Days	3099	23181
32605 G STREET	Intermittent Leak	8-14 Days	206	1541
30706 H STREET	Intermittent Leak	8-14 Days	229	1713
34310 J PLACE	Intermittent Leak	8-14 Days	269	2012
34405 J PLACE	Intermittent Leak	22-34 Days	355	2655
802 346TH PLACE	Intermittent Leak	35 Days	473	3538
34303 G STREET	Intermittent Leak	35 Days	722	5401
29523 G STREET	Intermittent Leak	35 Days	788	5894
33208 H PLACE	Intermittent Leak	15-21 Days	798	5969
WORLDMARK 1005 315th	Intermittent Leak	22-34 Days	10841	81091

Surfside

Monthly Water System Data Report

Month/Year	Name of Operator Reporting
February-2015	APRIL GARCIA

Data	Reading	Unit	Target
Avg. Raw Water Iron (Fe)	0.34	mg/L	N/A
Avg. Finished Water Iron (Fe)	0.08	mg/L	≤ 0.3
Avg. Raw Water Manganese (Mn)	0.100	mg/L	N/A
Avg. Finished Water Manganese (Mn)	0.016	mg/L	≤ 0.05
Avg. Raw Water pH	7.4	pH	7.5-8.5
Avg. Finished Water pH	6.5	pH	7.2-7.8
Avg. Raw Water Color (HU)	50	HU	≤ 60
Avg. Finished Water Color (HU)	35	HU	≤ 15
Avg. Raw Water Temperature (°F)	53.1	°F	N/A
Avg. Finished Water Temperature (°F)	53.2	°F	N/A
Avg. Raw Water Ammonia (NH3)	0.20	mg/L	≤ 30
Avg. Finished Ammonia (NH3)	0.03	mg/L	≤ 15
Avg. Raw Water Silica (Sio2)	20.3	mg/L	≤ 70
Avg. Finished Silica (Sio2)	16.8	mg/L	≤ 70
Avg. Raw Water Tannin	0.8	mg/L	≤ 1
Avg. Finished Tannin	0.3	mg/L	≤ 0.5
Avg. Raw Water Conductivity (µhos/cm)	442	µhos/cm	≤ 800
Avg. Raw Water TDS	314	mg/L	≤ 400
Avg. Raw Water Chloride (Cl)	43	mg/L	≤ 250
Avg. Green Pipe Water Total Chlorine (CL2) (Treated Water)	2.02	mg/L	≤ 2.50 ≥ 1.70
Avg. Green Pipe Water Free Chlorine (CL2) (Treated Water)	1.01	mg/L	≤ 1.50 ≥ 0.50
Avg. Blue Pipe Water Total Chlorine (CL2) (Finished Water)	0.84	mg/L	≤ 1.20 ≥ 0.50
Avg. Blue Pipe Water Free Chlorine (CL2) (Finished Water)	0.39	mg/L	≤ 0.75 ≥ 0.20
Avg. Reservoir Water Total Chlorine (CL2) (Stored Water)	0.28	mg/L	≤ 0.80 ≥ 0.30
Avg. Reservoir Water Free Chlorine (CL2) (Stored Water)	0.05	mg/L	≤ 0.20 ≥ 0.05

Continued on Reverse Side

Avg. Rechlorinated Water Total Chlorine (CL2)	1.27	mg/L	≤ 1.00 ≥ 0.50
Avg. Rechlorinated Water Free Chlorine (CL2)	1.04	mg/L	≤ 0.50 ≥ 0.30
Avg. Distribution Water Total Chlorine (CL2)	0.07	mg/L	≤ 0.80 ≥ 0.20
Avg. Distribution Water Free Chlorine (CL2)	0.03	mg/L	≤ 0.50 ≥ 0.05
Avg. Distribution Water Color (HU)	30	HU	≤ 15
Avg. Distribution Water Temperature (°F)	52.8	°F	N/A
Avg. Distribution Water pH	7.9	pH	7.2-7.8
Jar Test	1.60	mg/L	≤ 1.80 ≥ 1.20
J-1 Idle Measure from TOP	9.9	Ft/In.	N/A
J-1 Measure from TOP	12	Ft/In.	N/A
J-2 Measure from TOP	15.8	Ft/In.	N/A
J-3 Measure from TOP	17.2	Ft/In.	N/A
J-4 Measure from TOP	45.7	Ft/In.	N/A
J-5 Measure from TOP	49.9	Ft/In.	N/A
J-6 Measure from TOP	41.4	Ft/In.	N/A
J-7 Measure from TOP	40.4	Ft/In.	N/A
Rainfall	6.90	In.	N/A
Locates	5	N/A	N/A
Service Calls (contacts with members about water concerns)	5	N/A	N/A
New Service(s)	1	N/A	N/A
Water Main Breaks	0	N/A	N/A
New Backflow Assemblies Installed	0	N/A	N/A
Backflow Assemblies Tested	0	N/A	N/A
Cross Connection Questionnaires Received	69	N/A	N/A
Cross Connection Calls (contacts with members about CCC)	3	N/A	N/A

Neil Reynolds — Operator Signature — 3-4-15 — Date

Neil Hogaly — Field Superintendent Signature — 3-4-15 — Date

Water System Manager Signature — 3-4-15 — Date

Surfside — Monthly Water Use Data Report

Month/Year	Name of Operator Reporting
FEBRUARY 2015	APRIL GARCIA

Description	Cu. Ft.
Total Metered Water (TMW)	172,545
Total Metered Commercial (TMC)	14,531
Total Metered Residential① (TMR)	158,014
Total Continuous Leak (TCL)	37
Total Intermittent Leak (TIL)	9
Total Serious Leak (Meter reports both abnormal water use pattern and high water use) (TSL)	11

Commercial Water Use Detail	Cu. Ft.	Rate	Charge
Washington State Parks (Great Day Deli)	43	0.0180	$ 0.77
Washington State Parks (Surfside Golf Shop)	294	0.0180	$ 5.29
Kaino Holdings Inc. (Lighthouse Reality)	70	0.0180	$ 1.26
Surfside Mini Mall	851	0.0180	$ 15.32
Surfside Condo #1 Owners (Surfside Inn Pool and Irrigation)	2,432	0.0180	$ 43.78
Worldmark® by Wyndham (Surfside Inn Condominiums)	10,841	0.0180	$ 195.14

Residential Water Use Detail	%TM②	TSIC③	TCF④	%TMR①
Total Unmetered Connections (estimated) (less estimated DSL⑤)		760		
Total Metered Connections② (TM)		1160	158,014	
Total Registered – 0 Cu. Ft. (0 gpd)	38.0%	441	0	0.0%
Total Registered - 1 to 150 Cu. Ft. (0-37 gpd) Very Low Water Use	33.5%	389	21,165	13.4%
Total Registered - 151 to 300 Cu. Ft. (37-75 gpd) Low Average Water Use	12.8%	149	32,587	20.6%
Total Registered - 301 to 600 Cu. Ft. (75-150 gpd) Average Water Use	11.4%	132	52,537	33.2%
Total Registered - 601 to 900 Cu. Ft. (150-225 gpd) High Average Use	2.3%	27	18,949	12.0%
Total Registered - 901 to 1200 Cu. Ft. (225-300 gpd) High Water Use	0.9%	11	10,951	6.9%
Total Registered - 1201 to 2400 Cu. Ft. (300-600 gpd) Very High Use	0.7%	8	12,814	8.1%
Total Registered – ≥ Than 2401 Cu. Ft. (≥ 601 gpd) Extreme High Use	0.3%	3	9,011	5.7%

April Reynolds — Operator Signature — 3-4-15 — Date

Mil Morales — Field Superintendent Signature — 3-4-15 — Date

Water System Manager Signature — 3-4-15 — Date

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

Surfside Monthly Activity Data Report

Month/Year	Name of Operator Reporting
FEBRUARY 2015	APRIL GARCIA

Maintenance & Operation (M&O)		Employee	R-Hrs. / OT Hrs.
Vender:	Amount	R-Hrs/Comp-Hrs	95.0 / 1.0
HD FOWLER #3837286 1-30-15	$ 147.10	Gil	4.0
HACH #9226833 #9223263 2-4-15	$ 135.59	Aaron	128.0
ALS #51-290555-0 2-18-15	$ 28.00		2.0
CASCADE COLUMBIA #633915 2-22-15	$ 374.60	Larry	157.5
CASCADE COLUMBIA #635351 2-11-15	$ 368.20		0.0
CASCADE COLUMBIA #635615 2-17-15	$ 637.42	April	160.0
AMAZON 1-7-15 BATTERIES	$ 9.49		0.0
AWWA 1-8-15 BOOK	$ 76.00	Chris	85.0
STAPLES 1-13-15 INK & PAPER	$ 175.14		2.0
BUILDASIGN 1-16-15 METER READ SIGN	$ 62.97	Joshua	15.5
DIRECT CRAFT 1-16-15 WAREHOUSE SIGN	$ 68.77		0.0
STAPLES 2-3-15 FILE TABS	$ 12.91	Shanen & Taylor	32.0
STAPLES 2-4-15 BATTERIES	$ 15.40		0.0
		Total R Hrs.	673.0
Total	$ 2,111.59	Total OT Hrs.	9.0

Water Main Replacement (WMR)		Employee	R-Hrs. / OT Hrs.
Vender:	Amount	Gil	62.5
HD SUPPLY #D466049 2-6-15	$ 64,262.79		0.0
PLANTER BOX #45 2-18-15	$ 274.94	Aaron	32.0
ALL RENTS #1-500502 2-2-15	$ 685.98		0.0
		Larry	2.5
			0.0
		April	0.0
			0.0
		Chris	75.0
			0.0
		Joshua	24.5
			0.0
		John	0.0
			0.0
		Total R Hrs.	196.5
Total	$ 65,223.71	Total OT Hrs.	0.0

Meter Installation Project (MIP)		Employee	R-Hrs. / OT Hrs.
Vender:	Amount	Gil	0.0
HD SUPPLY #D482694 2-16-15	$ 134,606.06		0.0
		Aaron	0.0
			0.0
		Larry	0.0
			0.0
		April	0.0
			0.0
		Chris	0.0
			0.0
		Joshua	0.0
			0.0
		John	0.0
			0.0
		Total R Hrs.	0.0
Total	$ 134,606.06	Total OT Hrs.	0.0

Lands and Buildings (L&B)		Employee	R-Hrs. / OT Hrs.
Vender:	Amount	Gil	1.5
			0.0
		Aaron	0.0
			0.0
		Larry	0.0
			0.0
		April	0.0
			0.0
		Chris	0.0
			0.0
		Joshua	0.0
			0.0
		John	0.0
			0.0
		Total R Hrs.	1.5
Total	$ 0.00	Total OT Hrs.	0.0

Surfside

Monthly Activity Data Report

Special Project:		Employee	R-Hrs. / OT Hrs.
Vender:	Amount	Gil	0.0 / 0.0
GRAY & OSBORNE INC. #13546.00-0000015 2-2-15(DBP PILOT TEST)	$ 420.21		
		Aaron	0.0 / 0.0
		Larry	0.0 / 0.0
		April	0.0 / 0.0
		Chris	0.0 / 0.0
		Joshua	0.0 / 0.0
		John	0.0 / 0.0
		Total R Hrs.	0.0
Total	$ 420.21	Total OT Hrs.	0.0

Description of Materials Used By Crew During Month	Amount	For
3/4" MIP SERVICE W/ METER	1	MIP
3/4" MIP SERVICE W/ METER - NEW	1	O&M
6" C900 W/ TRACER WIRE & TAPE	505 FT	WMR
3/4" SERVICE TAP	14	WMR
6" HYMAX	3	WMR
6" BELL RESTRAINT	1	WMR
4" C900 W/ TRACER WIRE & TAPE	315 FT	WMR
6" GATE VALVE	3	WMR
4" GATE VALVE	1	WMR
6" MEGA LUG SET	4	WMR
4" MEGA LUG SET	1	WMR
VALVE CANS W/ LIDS	4	WMR
6" CROSS FLG X FLG	1	WMR

6" X 4" REDUCER	1	WMR
4" NUT & BOLT SET W/ RED RUBBER GSKT	1	WMR
6" NUT & BOLT SET W/ RED RUBBER GSKT	4	WMR
HYDRANT W/ GRADELOCK	1	WMR
16" X 16" BLOCKS	6	WMR
BAGS OF CEMENT	2	WMR
2" KUPFERLE TAP (4X2 CAP, 2"CORP STOP, 2"BRASS 90, 2X12" NIPPLE)	1	WMR
		-
		-
		-
		-
		-
		-
		-
		-
		-
		-
		-
		-

Neil Reynolds
Reporting Operator Signature

3-4-15
Date

Gil Morales
Field Superintendent Signature

3-4-15
Date

Water System Manager Signature

3-4-15
Date

SR# 1366-1

ALS Environmental
1317 S. 13th Avenue • Kelso, WA 98626

COLIFORM BACTERIA ANALYSIS

Date Sample Collected	Time Sample Collected	County
2 / 10 / 2015 (Month / Day / Year)	11:44 ☒ AM	Pacific

Type of Water System (check only one box) ☐ Private Household
☒ Group A ☐ Group B ☐ Other _____

Group A and Group B Systems – Provide from Water Facilities Inventory (WFI):
ID# 8 6 4 7 6 Y
System Name: Surfside Homeowners Assoc.
Contact Person: Gil Gonzalez
Day Phone: 360 665-4171 Cell Phone: 360 783-2393
Eve. Phone: 360 783-2393 FAX: ( )
Email: water@surfside online.org
Send results to: (Print full name, address and zip code)
Surfside HOA
31402 H St.
Ocean Park, WA 98640

SAMPLE INFORMATION

Sample collected by (name): ~~Gil Gonzalez~~ April Reynolds

Specific location where sample collected: 1104 309th faucet in W. Center of lot

Special instructions or comments:

Type of Sample (MUST CHECK ONLY ONE BOX OF #1 THROUGH #4 LISTED BELOW)

#1. ☒ **Routine Distribution Sample**
Chlorinated: Yes ☒ No ☐
Chlorine Residual: Total .12 Free .05

#2. Repeat Sample (after unsat. routine)
☐ Distribution System
☐ Source Groundwater Rule (GWR) (Population of 1,000 or less)
Unsatisfactory routine lab number: 0 1 7 - _ _ _ _ _
Unsatisfactory routine collect date: ____/____/____
Chlorinated: Yes ____ No ____
Chlorine Residual: Total____ Free____

#3. Raw Water Source Sample
☐ *E.coli* – GWR source sample
☐ Fecal –Surface, GWI, some springs
☐ Other
S
Public systems must provide source number from WFI

#4. ☐ **Sample Collected for Information Only**
Investigative ____ Construction / Repairs ____ Other ____

LAB USE ONLY **DRINKING WATER RESULTS** LAB USE ONLY

☐ **Unsatisfactory** Total Coliform Present **and** ☑ **Satisfactory**
☐ *E.coli* present ☐ *E.coli* absent

Replacement Sample Required:
☐ Sample too old (>30 hours) ☐ TNTC ☐ _____
☐ Improper Container ☐ Turbid culture

Bacterial Density Results: Plate Count_____/ml. *E.coli*_____/100ml.
Total Coliform_____/100ml. Fecal Coliform_____/100ml.

Method Code:	Date/Time and Temp Received:
MICR- 5 M 9 2 2 3 B	2/11/15 1030 SW
Date Analyzed 2.11.15 MB	Date Reported: 2.12.15
Sample Number (DOH number plus five digits) 0 1 7 - 1 3 6 6 1	Lab Use Only: 2/13/15

INTERPRETATION OF RESULTS FOR DRINKING WATER

The analysis performed on this drinking water sample is an examination for the presence of coliform organisms in the water and indicates the bacteriological quality of the sample. The presence of coliform organisms is used by health organizations worldwide as an indicator for the possible presence of other disease causing organisms.

REPORTING OF RESULTS:
Group A Public Water Systems must report the results of Drinking Water Analysis to the State as specified in WAC 246-290-480.

SATISFACTORY RESULTS:
The absence of coliforms from any sample is satisfactory. Proper system maintenance and bacteriological monitoring should be continued routinely to insure the safety of the water supply.

UNSATISFACTORY RESULTS:
Any coliform presence is unsatisfactory.

The presence of coliforms indicates the system is not properly protected against contamination and may be unsafe for human consumption. Unsatisfactory samples should be investigated IMMEDIATELY and repeat samples submitted. Contact your local health department or DOH Regional Office for assistance in determining the source of contamination and corrective procedures.

When fecal coliforms or E. coli are reported present in a sample, the **IMMEDIATE ACTION REQUIRED** by a Public System is:

1. Investigate to determine the cause and correct the situation. Your local health department or DOH Regional Office can assist you.
2. Submit repeat samples as specified in WAC 246-290-480
3. Publicly notify the users of public water systems as specified in WAC 246-290-480
4. Contact your local health department or DOH Regional Office as specified in WAC 246-290-480.

TEST UNSUITABLE: Resample Immediately
"Confluent Growth" means bacteria have grown into a continuous mass which makes counting impossible, **"TNC"** means bacteria are too numerous to count. **"Excess Debris"** means that particulates in the water interfere with the interpretation of test results, **"Turbid Culture"** means overgrowth of other bacteria can interfere with coliform analysis. If any box indicating an unsuitable test is checked, the presence of coliform bacteria could not be determined and a new sample must be obtained for testing.

RESAMPLE:
Sample too old. (Sample to be tested must be received within 30 hours). Not in proper container. (Bottle to be used for testing must be purchased from a certified lab within 6 months.)
Insufficient volume. (Sample must be at least 100 ml)
If not tested, a new sample must be submitted for analysis.

FOR ADDITIONAL INFORMATION:
Contact your local health department **OR** the laboratory where this sample was tested **OR** the Department of Health, Drinking Water Program Regional Office.

Regional DOH - (360) 236-3030
Cowlitz County - (360) 414-5599
Lewis County - (800) 562-6130
Pacific County - (360) 875-9356

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SR# KIS01615-001

ALS Environmental
1317 S. 13th Avenue • Kelso, WA 98626

COLIFORM BACTERIA ANALYSIS

Date Sample Collected (Month / Day / Year)	Time Sample Collected	County
2 / 17 / 2015	12 : 51 ☐ AM ☒ PM	Pacific

Type of Water System (check only one box): ☒ Group A ☐ Group B ☐ Private Household ☐ Other _____

Group A and Group B Systems – Provide from Water Facilities Inventory (WFI):

ID# 8 6 4 7 0 Y

System Name: Surfside Homeowners Assoc.

Contact Person: Gil Gonzalez

Day Phone: 360 665-4711 Cell Phone: 360 783-2393

Eve. Phone: 360 783-2393 FAX: ( )

Email: water@surfsideonline.org

Send results to: (Print full name, address and zip code)
Surfside Homeowners Assoc.
31402 H St.
Ocean Park WA 98640

SAMPLE INFORMATION

Sample collected by (name): Larry Hampton

Specific location where sample collected: 1407 314th faucet in SE Center of lot

Special instructions or comments: breezy

Type of Sample (MUST CHECK ONLY ONE BOX OF #1 THROUGH #4 LISTED BELOW)

#1. ☒ **Routine Distribution Sample**
Chlorinated: Yes X No ____
Chlorine Residual: Total .23 Free .12

#2. Repeat Sample (after unsat. routine)
☐ Distribution System
☐ Source Groundwater Rule (GWR) (Population of 1,000 or less)
Unsatisfactory routine lab number: 0 1 7 - _ _ _ _ _
Unsatisfactory routine collect date: ____/____/____
Chlorinated: Yes ____ No ____
Chlorine Residual: Total____ Free____

#3. Raw Water Source Sample
☐ *E.coli* – GWR source sample
☐ Fecal –Surface, GWI, some springs
☐ Other
S | | |
Public systems must provide source number from WFI

#4. ☐ **Sample Collected for Information Only**
Investigative ____ Construction / Repairs ____ Other ____

LAB USE ONLY **DRINKING WATER RESULTS** LAB USE ONLY

☐ **Unsatisfactory** Total Coliform Present **and** ☐ *E.coli* present ☐ *E.coli* absent

☒ **Satisfactory**

Replacement Sample Required:
☐ Sample too old (>30 hours) ☐ TNTC ☐ _____
☐ Improper Container ☐ Turbid culture

Bacterial Density Results: Plate Count_____/ml. *E.coli*_____/100ml.
Total Coliform_____/100ml. Fecal Coliform_____/100ml.

Method Code: MICR- 5 M 9 2 2 3 6	Date/Time and Temp Received: 2/18/15 0930 Sav
Date Analyzed 2.18.15 NB	Date Reported: 2.19.15
Sample Number (DOH number plus five digits) 0 1 7 - 1 5 1 5 1	Lab Use Only: OK 2/20/15

INTERPRETATION OF RESULTS FOR DRINKING WATER

The analysis performed on this drinking water sample is an examination for the presence of coliform organisms in the water and indicates the bacteriological quality of the sample. The presence of coliform organisms is used by health organizations worldwide as an indicator for the possible presence of other disease causing organisms.

REPORTING OF RESULTS:
Group A Public Water Systems must report the results of Drinking Water Analysis to the State as specified in WAC 246-290-480.

SATISFACTORY RESULTS:
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RESAMPLE:
Sample too old. (Sample to be tested must be received within 30 hours). Not in proper container. (Bottle to be used for testing must be purchased from a certified lab within 6 months.)
Insufficient volume. (Sample must be at least 100 ml)
If not tested, a new sample must be submitted for analysis.

FOR ADDITIONAL INFORMATION:
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Regional DOH - (360) 236-3030
Cowlitz County - (360) 414-5599
Lewis County - (800) 562-6130
Pacific County - (360) 875-9356

SURFSIDE HOMEOWNERS ASSOCIATION
PACIFIC COUNTY, WASHINGTON

RESOLUTION NO. _____

A RESOLUTION OF THE BOARD OF TRUSTEES OF THE SURFSIDE HOMEOWNERS ASSOCIATION, PACIFIC COUNTY, WASHINGTON, ADOPTING UPDATED WATER USE EFFICIENCY GOALS FOR THE TIME PERIOD 2015-2020.

WHEREAS, in 2003 the Washington State Legislature enacted Engrossed Second Substitute House Bill 1338, known as the Municipal Water Law, to address the increasing demand on the State's water resources; and the Municipal Water Law established that all municipal water suppliers must use water more efficiently and required the Washington State Department of Health (DOH) to adopt a water use efficiency program to promote and require the efficient use of the State's water resources; and

WHEREAS, DOH adopted a Water Use Efficiency Rule (WUER) codified as WAC 246-290-800 et. seq. which was effective January 22, 2007, and WAC 246-290-830 requires the elected governing board of a municipal water supplier to establish by January 22, 2008 water use efficiency goals to enhance the efficient use of water by the water system and its consumers; and

WHEREAS, WAC 246-290-830(4) requires municipal water suppliers to establish water conservation goals in a public forum that provides the opportunity for consumers and the public to participate and comment on the proposed water use efficiency goals; and

WHEREAS, The Board of Trustees of Surfside Homeowners Association held a public hearing on February 21, 2015 at 9:00 a.m. at the Ocean Park Elementary School, 25701 Vernon Avenue Ocean Park, WA 98640, pursuant to published notice regarding the proposed adoption of an upgraded water use efficiency goal and having considered the comments of Association membership and public thereon, if any; now, therefore,

BE IT RESOLVED by the Board of Trustees of the Surfside Homeowners Association adopts the following

Water Use Efficiency Goals and Measures:

1. **Statutorily Mandatory Measures**
   a. Install production (source) meters (WAC 246-290-496(1)
   b. Install consumptive (service) meters (WAC 246-290-496(2)
   c. Perform meter calibration (WAC 246-290-496(3)
   d. Implement a Water Loss Control Action Plan to control leakage (WAC 246-290-820(4)
2. **Supply Side Goal:**
   a. Reduce Distribution System Leakage to below 10%
3. **Supply Side Measures**
   a. Replace failing water mains and actively find and repair leaks
   b. Meter all services by January 1, 2017
   c. Continue to improve record keeping of all unmetered water use including water main flushing, construction water use, and fire hydrant use.
   d. Reduce water main flushing volume by 1.5% per year from 2015-2020.
4. **Demand Side Goals**
   a. Reduce Average Day water Demand (ADD) per Equivalent Residential Unit (ERU) by one (1%) percent per year from 2015-2020.
   b. Reduce Maximum Day water Demand (MDD) per Equivalent Residential Unit (ERU) by two and one half (2.5%) percent per year from 2015-2020.
5. **Demand Side Measures**
   a. Member awareness of water use will be accomplished by providing an annual statement water consumption history in comparison to the average median member usage.

b. Member education of water conservation benefits and practices will be will be provided by including educational materials on the Association's website, newsletters, new member packets, and stocking water conservation materials at the business office.

c. The Board of Trustees will establish a conservation charge for residential connections based on metered water use that is excessively disproportionate and wasteful. The rate will be adopted by the Board of Trustees no later than the June, 2017 regular board meeting and will become effective on January 1, 2018.

ADOPTED by the Board of Trustees of the Surfside Homeowners Association, Pacific County, Washington, at its regular meeting held on the 21st day of March, 2015.

_____
Kirby Smith, President

_____
John Williams, Secretary

Motion By: _____

Second By: _____

Yea: _____ Nay: _____ Abstain: _____