

Kathleen Field - 7117

From: Matt Brooks - 7163
Sent: Wednesday, December 07, 2016 1:19 PM
To: Catherine Cerri - 7102
Cc: Mike Blackwood - 7134; Marc Lippert - 7113; Tony Carricaburu - 7139; Kathleen Field - 7117; Mica O'Connell - 7133; Mark Lopez - 7109; Justin Luck - 7154; Kasey Brandenberger - 7120; 'Jim Grant'; Ken Nelsen (KNelsen@ala-ca.org)
Subject: November 2016 Monthly GV Wells Production and Recycled Water Delivery Report
Attachments: GV Wells Monthly.xlsx

Hello Everyone,

Attached is the November 2016 Monthly GV Wells Production and Recycled Water Delivery Report.

- November 2016 Wells to System 15.06 AF vs November 2015 = 10.77 AF. Wells to System through the 1st 11 months of 2016 = 102.19 AF vs 1st 11 months of 2015 = 147.41 AF.
- November 2016 ALA Well #8 production = 798,334.95 gallons = 2.45 AF = 1067.29 CCF.
- November 2016 Recycled water delivered = 0.21 AF vs November 2015 = 0 AF. Recycled water delivered through the 1st 11 months of 2016 = 229.65 AF vs 1st 10 months of 2015 = 219.14 AF. We officially ended delivery of Recycled Water for the season on November 18th.

If you have any questions or comments regarding this report please contact me.

Thank you,
Matt

Matt Brooks

Operations Manager
Lake Arrowhead Community Services District
P.O. Box 700 Lake Arrowhead CA 92352
Office: 909.336.7163
Cell: 909.225.8004
Fax: 909.336.5264

**GRASS VALLEY WELLS MONTHLY DATA
ACRE FEET**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	
2016 MONTH	Well #1 *	Well #2 *	Well #5 *	Well #6 *	ALA Well #8 **	Delivered to Distribution ***	Recycled Water Delivered ****
JANUARY	1.15	0.84	0.01	0.82	1.06	3.85	0.00
FEBRUARY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MARCH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1ST QUARTER	1.15	0.84	0.01	0.82	1.06	3.85	0.00
APRIL	2.21	0.16	0.03	0.52	2.26	4.87	3.05
MAY	2.83	0.00	3.82	2.32	3.41	12.08	28.49
JUNE	2.79	3.89	4.31	2.55	2.46	15.84	47.16
2ND QUARTER	7.83	4.05	8.16	5.39	8.13	32.79	78.70
SEMI-ANNUAL	8.98	4.89	8.17	6.21	9.19	36.64	78.70
JULY	2.98	3.42	4.07	2.80	2.26	15.23	52.46
AUGUST	2.90	3.16	4.19	2.64	2.29	14.98	47.77
SEPTEMBER	2.45	1.85	4.43	2.77	2.20	13.50	37.78
3RD QUARTER	8.33	8.43	12.69	8.21	6.75	43.71	138.01
OCTOBER	1.26	1.28	2.21	1.38	1.15	6.78	12.73
NOVEMBER	2.75	3.09	4.29	2.65	2.45	15.06	0.21
DECEMBER							
4TH QUARTER	4.01	4.37	6.50	4.03	3.60	21.84	12.94
ANNUAL TOTAL	21.32	17.69	27.36	18.45	19.54	102.19	229.65

* Wells #1, #2, #5, #6 LACC Agreement

** Well #8 ALA Agreement

*** Delivered to Distribution from IX Plant effluent meters

**** Reported by GVWWTP Staff

Kathleen Field - 7117

From: Matt Brooks - 7163
Sent: Wednesday, December 07, 2016 1:12 PM
To: Catherine Cerri - 7102
Cc: Mike Blackwood - 7134; Aida Hercules-Dodaro - 7155; Marc Lippert - 7113; Tony Carricaburu - 7139; Kathleen Field - 7117; Steve Papp - 7135; Mica O'Connell - 7133; Mark Lopez - 7109; Kasey Brandenberger - 7120; Justin Luck - 7154
Subject: November 2016 Monthly Reports
Attachments: Woods + DLP Monthly Reports.xlsx

Hello everyone,

Attached are the November 2016 Monthly Reports.

- In November 2016 (67.75 AF), consumption was down 6.9% compared to November 2015 (72.41 AF). Through the 1st 11 months of 2016 (1357.28 AF), consumption was up 16.9% compared to the 1st 11 months of 2015 (1,161.04 AF). These numbers are based off of column (12) on the Report, and only counts water delivered to the Distribution System.
- November 2016 Lake Draw = 0 vs November 2015 = 63.37 AF. Lake Draw through the 1st 11 months of 2016 = 1,155.91 vs the 1st 11 months of 2015 = 1,009.
- November 2016 Wells to System = 15.06 AF vs November 2015 = 10.77 AF. Wells to System through the 1st 11 months of 2016 = 102.19 AF vs the 1st 11 months of 2015 = 147.41 AF.
- November 2016 total CLAWA purchase = 52.69 AF. CLAWA purchase through the 1st 11 months of 2016 = 123.69AF vs the 1st 11 months of 2015 = 37.29 AF. **The District is currently purchasing approximately 200 AF of water at the Rim of the World connection (CLAWA 2) while the Bernina Treatment Plant is off-line for the tank re-coating project. The Bernina Plant was shut down on October 17th. The project is nearing completion, but we anticipate taking CLAWA through the end of the year and into 2017.**

If you have any questions or comments regarding this report please contact me.

Thank you,
Matt

Matt Brooks

Operations Manager
Lake Arrowhead Community Services District
P.O. Box 700 Lake Arrowhead CA 92352
Office: 909.336.7163
Cell: 909.225.8004
Fax: 909.336.5264

**ARROWHEAD WOODS MONTHLY DATA
ACRE FEET**

2016 MONTH	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
	TRANSFER TO GV LAKE	WELLS TO SYSTEM	BERNINA PLANT	CEDAR GLEN PLANT	COMBINED PLANT	COMBINED PLANT BACKWASH	BERNINA RECYCLE	ROTW CLAWA PURCHASE (a)	BRENTWOOD CLAWA PURCHASE (a)	COMBINED PURCHASE (a)	LAKE DRAW (b)	DELIVERED TO DISTRIBUTION (c)	METERED WATER	STORAGE VOLUME (e)	STORAGE VOLUME CHANGE +/-	UN-METERED WATER (d)
JANUARY	0.00	3.85	73.88	0.00	73.88	5.02	4.47	0.00	0.00	0.00	73.88	77.18	53.48	26.67	1.05	22.65
FEBRUARY	0.00	0.00	67.81	0.00	67.81	4.34	3.98	0.00	0.00	0.00	67.81	67.45	47.24	27.72	-0.17	20.38
MARCH	0.00	0.00	71.09	0.00	71.09	5.06	3.83	0.00	0.00	0.00	71.09	69.86	50.95	27.55	0.76	18.15
1ST QUARTER	0.00	3.85	212.78	0.00	212.78	14.42	12.28	0.00	0.00	0.00	212.78	214.49	151.67	81.94	1.64	61.18
APRIL	0.00	4.87	49.51	0.00	49.51	3.73	2.65	0.00	11.93	11.93	49.51	65.23	48.22	28.31	-0.19	17.20
MAY	0.00	12.08	91.35	0.00	91.35	5.69	5.20	0.00	12.33	12.33	91.35	115.27	86.00	28.12	-0.62	29.89
JUNE	0.00	15.84	138.66	11.58	150.24	11.00	5.95	0.00	10.44	10.44	150.24	171.47	140.31	27.50	-1.98	33.14
2ND QUARTER	0.00	32.79	279.52	11.58	291.10	20.42	13.80	0.00	34.70	34.70	291.10	351.97	274.53	83.93	-2.79	80.23
SEMI-ANNUAL	0.00	36.64	492.30	11.58	503.88	34.84	26.08	0.00	34.70	34.70	503.88	566.46	426.20	165.87	-1.15	141.41
JULY	0.00	15.23	178.66	17.29	195.95	12.79	7.71	0.00	0.00	0.00	195.95	206.10	160.96	25.52	-0.41	45.55
AUGUST	0.00	14.98	200.86	0.00	200.86	12.92	9.21	0.00	0.00	0.00	200.86	212.13	169.71	25.11	2.89	39.53
SEPTEMBER	0.00	13.50	174.24	0.00	174.24	11.33	8.55	0.00	0.00	0.00	174.24	184.96	150.07	28.00	0.04	34.85
3RD QUARTER	0.00	43.71	553.76	17.29	571.05	37.04	25.47	0.00	0.00	0.00	571.05	603.19	480.74	78.63	2.52	119.93
OCTOBER	0.00	6.78	71.13	9.85	80.98	8.12	3.94	36.30	0.00	36.30	80.98	119.88	100.38	28.04	-5.13	24.63
NOVEMBER	0.00	15.06	0.00	0.00	0.00	0.00	0.00	52.69	0.00	52.69	0.00	67.75	59.95	22.91	-1.10	8.90
DECEMBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.81	0.00	0.00	0.00
4TH QUARTER	0.00	21.84	71.13	9.85	80.98	8.12	3.94	88.99	0.00	88.99	80.98	187.63	160.33	72.76	-6.23	33.53
ANNUAL TOTAL	0.00	102.19	1117.19	38.72	1155.91	80.00	55.49	88.99	34.70	123.69	1155.91	1357.28	1067.27	317.26	-4.86	294.87

- (a) CLAWA consumption numbers are based upon monthly billing statements provided by CLAWA. CLAWA reads these meters on or near the 24th of each month, so the numbers may not be an actual representation of water consumed for said calendar month.
- (b) Lake Draw = (1) + (5)
- (c) Delivered to Distribution = (2) + (5) - (6) + (7) + (10)
- (d) Un-Metered Water = ((12) - (13)) - (15)
- (e) Storage Volume calculated 8:00 am the 1st of every month.

**DEER LODGE PARK/RIMFOREST MONTHLY DATA
ACRE FEET**

2016 MONTH	(1) DLP WELLS	(2) DLP CLAWA	(3) DLP TOTAL (a)	(4) METERED WATER	(5) UN-METERED WATER (b)	(6) RIMFOREST CLAWA	(7) METERED WATER	(8) UN-METERED WATER (b)
JANUARY	0.55	1.44	1.99	1.70	0.29	4.08	2.72	1.36
FEBRUARY	0.44	1.41	1.85	1.64	0.21	3.07	2.54	0.53
MARCH	1.91	0.06	1.97	1.78	0.19	2.96	2.72	0.24
1ST QUARTER	2.90	2.91	5.81	5.12	0.69	10.11	7.98	2.13
APRIL	2.00	0.00	2.00	1.77	0.23	2.72	2.64	0.08
MAY	2.65	0.00	2.65	2.40	0.25	3.62	2.95	0.67
JUNE	2.35	1.76	4.11	3.59	0.52	4.45	3.33	1.12
2ND QUARTER	7.00	1.76	8.76	7.76	1.00	10.79	8.92	1.87
SEMI-ANNUAL	9.90	4.67	14.57	12.88	1.69	20.90	16.90	4.00
JULY	1.80	2.59	4.39	3.91	0.48	4.79	3.36	1.43
AUGUST	1.39	2.97	4.36	3.99	0.37	4.82	3.58	1.24
SEPTEMBER	1.16	2.48	3.64	3.47	0.17	4.03	3.37	0.66
3RD QUARTER	4.35	8.04	12.39	11.37	1.02	13.64	10.31	3.33
OCTOBER	0.86	2.23	3.09	2.76	0.33	3.52	2.82	0.70
NOVEMBER	0.39	1.44	1.83	1.97	-0.14	2.83	2.64	0.19
DECEMBER			0.00		0.00			0.00
4TH QUARTER	1.25	3.67	4.92	4.73	0.19	6.35	5.46	0.89
ANNUAL TOTAL	15.50	16.38	31.88	28.98	2.90	40.89	32.67	8.22

(a) DLP Total = (1) + (2)

(b) Un-Metered Water = (3) - (4) DLP, (6) - (7) RF

(c) Un-Metered % = (5)/(3) X 100

** Structure fire in Rim Forest which accounts for some of the Un-metered water