

Kathleen Field - 7117

From: Kathleen Field - 7117
Sent: Monday, January 08, 2018 8:56 AM
To: Ralph Wagner
Subject: Public Records Act Request - Wagner LACSD December 2017 Monthly/Annual Water Reports
Attachments: LACSD Dec 2017 Monthly Water Reports.pdf

Hi Ralph,

Per your request, the LACSD December 2017 Monthly/Annual Water Reports are ready for pick-up at the customer service window.

Best regards,

Kathleen Field
Executive Assistant
Lake Arrowhead Community Services District
909 336-7117

Kathleen Field - 7117

From: Matt Brooks - 7163
Sent: Wednesday, January 03, 2018 1:54 PM
To: Catherine Cerri - 7102
Cc: Mike Blackwood - 7134; Aida Hercules-Dodaro - 7155; Marc Lippert - 7113; Kathleen Field - 7117; Steve Papp - 7135; Mica O'Connell - 7133; Mark Lopez - 7109; Kasey Brandenberger - 7120; Tim McIntire - 7161; Tony Carricaburu - 7139; Matt O'Kelly; Jeff Lewis; Natalie Potter - 7112
Subject: December 2017 Monthly/Annual Reports
Attachments: Woods + DLP Monthly Reports.xlsx

Hello everyone,

Attached are the December 2017 Monthly/Annual Reports.

- In December 2017 (82.73 AF), consumption was up 14% when compared to December 2016 (72.59 AF). However, total consumption in 2017 (1433.84 AF) remained almost identical to 2016 (1429.87 AF). These numbers are based off of column (12) on the Report, and only counts water delivered to the Distribution System.
- December 2017 Lake Draw = 72.87 AF vs December 2016 = 0 AF. In 2017 (1072.07 AF) lake withdrawals were down compared to 2016 (1155.91 AF). This can be attributed to the increased CLAWA purchase and increased well production vs 2016, please see below.
- December 2017 Wells to System = 13.38 AF vs December 2016 = 14.10 AF. In 2017 "Wells To System" (163.92 AF) was up when compared to 2016 (116.29). In 2016 the District had the groundwater system off for the 1st Q for maintenance and in anticipation for the El Nino that never came.
- December 2017 total CLAWA purchase = 0 AF vs December 2016 = 58.49 AF. In 2017 CLAWA purchase (235.86 AF) was up compared to 2016 (182.18 AF). This can be attributed to the Bernina Tank re-coating project and the Bernina WTP being off-line for approximately 1.5 months in the beginning of 2017. Bernina is once again off-line as of September 6th due to the North Bay Pump Station Replacement Project, and CLAWA will continue to be purchased as necessary throughout the duration of the project.

Please contact me if you have any questions or comments regarding these reports.

Thank you,
Matt

Matt Brooks

Operations Manager

Lake Arrowhead Community Services District

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**ARROWHEAD WOODS MONTHLY DATA
ACRE FEET**

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
2017 MONTH	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 CHANGE +/-	UN-METERED WATER (d)
JANUARY	0.00	8.58	0.00	8.76	8.76	0.48	0.00	60.76	0.00	60.76	8.76	77.62	52.64	20.36	2.84	22.14
FEBRUARY	0.00	11.07	21.85	13.02	34.87	3.81	0.73	27.64	0.00	27.64	34.87	70.50	48.04	23.20	4.24	18.22
MARCH	0.00	12.96	63.44	0.00	63.44	5.07	2.90	0.00	0.00	0.00	63.44	74.23	51.23	27.44	0.46	22.54
1ST QUARTER	0.00	32.61	85.29	21.78	107.07	9.36	3.63	88.40	0.00	88.40	107.07	222.35	151.91	71.00	7.54	62.90
APRIL	0.00	12.78	67.70	0.00	67.70	5.00	4.02	0.00	0.00	0.00	67.70	79.50	56.31	27.90	-1.07	24.26
MAY	0.00	18.55	115.13	0.00	115.13	7.71	5.59	0.00	1.06	1.06	115.13	132.62	103.13	26.83	1.04	28.45
JUNE	0.00	16.04	163.95	0.00	163.95	9.89	7.20	0.00	2.46	2.46	163.95	179.76	143.71	27.87	0.51	35.54
2ND QUARTER	0.00	47.37	346.78	0.00	346.78	22.60	16.81	0.00	3.52	3.52	346.78	391.88	303.15	82.60	0.48	88.25
SEMI-ANNUAL	0.00	79.98	432.07	21.78	453.85	31.96	20.44	88.40	3.52	91.92	453.85	614.23	455.06	153.60	8.02	151.15
JULY	0.00	15.74	162.62	36.11	198.73	13.31	5.63	0.00	0.00	0.00	198.73	206.79	174.02	28.38	-0.05	32.82
AUGUST	0.00	13.67	119.47	66.13	185.60	11.63	6.05	0.00	0.00	0.00	185.60	193.69	166.28	28.33	0.48	26.93
SEPTEMBER	0.00	13.57	20.99	61.37	82.36	7.22	1.32	13.14	41.56	54.70	82.36	144.73	123.03	28.81	-3.00	24.70
3RD QUARTER	0.00	42.98	303.08	163.61	466.69	32.16	13.00	13.14	41.56	54.70	466.69	545.21	463.33	85.52	-2.57	84.45
OCTOBER	0.00	14.87	0.00	45.53	45.53	2.06	0.00	58.42	0.00	58.42	45.53	116.76	101.27	25.81	-1.34	16.83
NOVEMBER	0.00	12.71	0.00	33.11	33.11	1.73	0.00	30.82	0.00	30.82	33.11	74.91	66.17	24.47	0.06	8.68
DECEMBER	0.00	13.38	0.00	72.89	72.89	3.54	0.00	0.00	0.00	0.00	72.89	82.73	66.31	24.53	3.20	13.22
4TH QUARTER	0.00	40.96	0.00	151.53	151.53	7.33	0.00	89.24	0.00	89.24	151.53	274.40	233.75	74.81	1.92	38.73
ANNUAL TOTAL	0.00	163.92	735.15	336.92	1072.07	71.45	33.44	190.78	45.08	235.86	1072.07	1433.84	1152.14	313.93	7.37	274.33

27.73

(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

	(1)	(2)	(3)	(4)	(5)		(6)	(7)	(8)
2017 MONTH	DLP WELLS	DLP CLAWA	DLP TOTAL (a)	METERED WATER	UN-METERED WATER (b)		RIMFOREST CLAWA	METERED WATER	UN-METERED WATER (b)
JANUARY	0.00	1.79	1.79	1.57	0.22		3.72	2.51	1.21
FEBRUARY	0.00	1.69	1.69	1.54	0.15		2.61	2.37	0.24
MARCH	0.00	1.90	1.90	1.91	-0.01		3.11	2.83	0.28
1ST QUARTER	0.00	5.38	5.38	5.02	0.36		9.44	7.71	1.73
APRIL	0.00	2.30	2.30	2.22	0.08		3.62	2.97	0.65
MAY	0.00	2.76	2.76	2.75	0.01		3.76	3.11	0.65
JUNE	0.00	3.97	3.97	3.63	0.34		4.31	3.27	1.04
2ND QUARTER	0.00	9.03	9.03	8.60	0.43		11.69	9.35	2.34
SEMI-ANNUAL	0.00	14.41	14.41	13.62	0.79		21.13	17.06	4.07
JULY	0.00	4.49	4.49	4.26	0.23		3.60	3.49	0.11
AUGUST	0.16	3.85	4.01	3.89	0.12		3.48	3.44	0.04
SEPTEMBER	0.79	2.89	3.68	3.04	0.64		3.76	2.99	0.77
3RD QUARTER	0.95	11.23	12.18	11.19	0.99		10.84	9.92	0.92
OCTOBER	1.26	1.97	3.23	2.79	0.44		3.52	3.02	0.50
NOVEMBER	1.09	1.30	2.39	2.13	0.26		2.85	2.93	-0.08
DECEMBER	0.94	1.39	2.33	1.97	0.36		3.28	2.92	0.36
4TH QUARTER	3.29	4.66	7.95	6.89	1.06		9.65	8.87	0.78
ANNUAL TOTAL	4.24	30.30	34.54	31.70	2.84		41.62	35.85	5.77

(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

Kathleen Field - 7117

From: Matt Brooks - 7163
Sent: Wednesday, January 03, 2018 2:14 PM
To: Catherine Cerri - 7102
Cc: Mike Blackwood - 7134; Marc Lippert - 7113; Kathleen Field - 7117; Mica O'Connell - 7133; Mark Lopez - 7109; Justin Luck - 7154; Matt O'Kelly; Kasey Brandenberger - 7120; Ronald Bukovac; Monty Wright; cmassey@lakearrowheadcc.com; Jeff Lewis; Natalie Potter - 7112
Subject: December 2017 GV Wells and Recycled Water Monthly/Annual Report
Attachments: GV Wells MonthlyV2 .xlsx

Hello everyone,

Attached is the December 2017 Monthly/Annual GV Wells Production and Recycled Water delivery report.

- December 2017 Wells to System = 13.38 AF vs December 2016 = 14.10 AF. In 2017 total "Wells To System" (163.92 AF) was up when compared to 2016 (116.29). In 2016 the District had the groundwater system off for the 1st Q for maintenance and in anticipation for the El Nino that never came.
- December 2017 ALA Well #8 production = 664,736 gallons = 2.04 AF = 888.68 CCF.
- December 2017 Recycled Water Delivered = 0 AF vs December 2016 = 0 AF. In 2017 total Recycled Water Delivered (211.52 AF) was slightly less when compared to 2016 = 229.65 AF.

Please contact me if you have any questions or comments regarding this report.

Thank you,
Matt

Matt Brooks

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**GRASS VALLEY WELLS MONTHLY DATA
ACRE FEET**

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
2017 MONTH	Well #1 *	Well #2 *	Well #5 *	Well #6 *	ALA Well #8 **	Delivered to Distribution ***	Recycled Water Delivered ****
JANUARY	2.01	0.26	2.90	1.81	1.78	8.58	0.00
FEBRUARY	2.46	0.00	4.28	2.35	2.16	11.07	0.00
MARCH	2.94	0.00	5.00	2.84	2.36	12.96	0.00
1ST QUARTER	7.41	0.26	12.18	7.00	6.30	32.61	0.00
APRIL	6.15	0.57	5.96	1.44	1.94	12.78	7.67
MAY	2.80	5.83	5.27	2.93	1.96	18.55	29.31
JUNE	2.78	4.22	4.99	2.30	1.98	16.04	49.18
2ND QUARTER	11.73	10.62	16.22	6.67	5.88	47.37	86.16
SEMI-ANNUAL	19.14	10.88	28.40	13.67	12.18	79.98	86.16
JULY	2.93	3.71	5.02	2.33	1.94	15.74	51.12
AUGUST	2.18	3.34	4.41	2.05	1.87	13.67	37.65
SEPTEMBER	2.62	3.01	4.33	2.03	1.73	13.57	20.01
3RD QUARTER	7.73	10.06	13.76	6.41	5.54	42.98	108.78
OCTOBER	2.68	3.01	5.07	2.42	1.89	14.87	16.58
NOVEMBER	2.40	2.68	4.71	2.02	1.72	12.71	0.00
DECEMBER	2.74	2.58	4.29	1.99	2.04	13.38	0.00
4TH QUARTER	7.82	8.27	14.07	6.43	5.65	40.96	16.58
ANNUAL TOTAL	34.69	29.21	56.23	26.51	23.37	163.92	211.52

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

** Well #8 ALA Agreement

*** Delivered to Distribution from IX Plant effluent meters

**** Reported by GVWWTP Staff