

LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT

MEMORANDUM

DATE: FEBRUARY 28, 2023

TO: BOARD OF DIRECTORS
Lake Arrowhead Community Services District

FROM: MATT BROOKS, Operations Manager

SUBJECT: OPERATIONS MANAGER'S REPORT

A. RECOMMENDATION

This is an information item.

B. REASON FOR RECOMMENDATION

This is an information item.

C. BACKGROUND INFORMATION

This report is to give an update on water delivered in 2022.

D. FISCAL IMPACT

This is an information item.

E. ENVIRONMENTAL IMPACT

This is an information item.

F. ATTACHMENTS

- 2023 Monthly Report
- 2022 Monthly Report
- January 2023 Water Delivered Annual Analysis

**ARROWHEAD WOODS MONTHLY DATA
ACRE FEET**

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
2023 MONTH	TRANSFER TO GV LAKE (b)	WELLS TO SYSTEM (c)	BERNINA PLANT	CEDAR GLEN PLANT	COMBINED PLANT (b) (c)	COMBINED PLANT BACKWASH (c)	BERNINA RECYCLE (c)	ROTW CLAWA PURCHASE (a)	BRENTWOOD CLAWA PURCHASE (a)	COMBINED PURCHASE (a) (c)	LAKE DRAW (b)	DELIVERED TO DISTRIBUTION (c) (d)	METERED WATER (d)	EMERGENCY TRANSFER TO DLP (d)	STORAGE VOLUME (e)	STORAGE VOLUME CHANGE +/- (d)	UN-METERED WATER (d)
JANUARY	0.00	7.86	64.29	0.00	64.29	5.54	3.50	0.00	0.00	0.00	64.29	70.11	55.40	0.00	27.36	0.01	14.70
FEBRUARY					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
1ST QUARTER	0.00	7.86	64.29	0.00	64.29	5.54	3.50	0.00	0.00	0.00	64.29	70.11	55.40	0.00	27.36	0.01	14.70
APRIL					0.00					0.00	0.00	0.00				0.00	0.00
MAY					0.00					0.00	0.00	0.00				0.00	0.00
JUNE					0.00					0.00	0.00	0.00				0.00	0.00
2ND QUARTER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEMI-ANNUAL	0.00	7.86	64.29	0.00	64.29	5.54	3.50	0.00	0.00	0.00	64.29	70.11	55.40	0.00	27.36	0.01	14.70
JULY					0.00					0.00	0.00	0.00				0.00	0.00
AUGUST					0.00					0.00	0.00	0.00				0.00	0.00
SEPTEMBER					0.00					0.00	0.00	0.00				0.00	0.00
3RD QUARTER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OCTOBER					0.00					0.00	0.00	0.00				0.00	0.00
NOVEMBER					0.00					0.00	0.00	0.00				0.00	0.00
DECEMBER					0.00					0.00	0.00	0.00				0.00	0.00
4TH QUARTER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANNUAL TOTAL	0.00	7.86	64.29	0.00	64.29	5.54	3.50	0.00	0.00	0.00	64.29	70.11	55.40	0.00	27.36	0.01	14.70

(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+14)) - (16)

(e) Storage Volume calculated 8:00 am the 1st of every month.

**ARROWHEAD WOODS MONTHLY DATA
ACRE FEET**

2022 MONTH	(1) TRANSFER TO GV LAKE (b)	(2) WELLS TO SYSTEM (c)	(3) BERNINA PLANT	(4) CEDAR GLEN PLANT	(5) COMBINED PLANT (b) (c)	(6) COMBINED PLANT BACKWASH (c)	(7) BERNINA RECYCLE (c)	(8) ROTW CLAWA PURCHASE (a)	(9) BRENTWOOD CLAWA PURCHASE (a)	(10) COMBINED PURCHASE (a) (c)	(11) LAKE DRAW (b)	(12) DELIVERED TO DISTRIBUTION (c) (d)	(13) METERED WATER (d)	(14) EMERGENCY TRANSFER TO DLP (d)	(15) STORAGE VOLUME (e)	(16) STORAGE VOLUME CHANGE +/- (d)	(17) UN-METERED WATER (d)
JANUARY	0.00	16.52	55.25	0.00	55.25	4.26	2.94	0.00	0.00	0.00	55.25	70.45	55.62	0.00	26.62	-0.12	14.95
FEBRUARY	0.00	15.73	44.80	0.00	44.80	3.41	2.45	0.00	0.00	0.00	44.80	59.57	47.70	0.00	26.50	0.20	11.67
MARCH	0.00	15.16	47.07	0.00	47.07	3.51	2.29	0.00	0.00	0.00	47.07	61.01	47.10	0.00	26.70	0.28	13.63
1ST QUARTER	0.00	47.41	147.12	0.00	147.12	11.18	7.68	0.00	0.00	0.00	147.12	191.03	150.42	0.00	79.82	0.36	40.25
APRIL	0.00	18.57	48.98	0.00	48.98	3.59	3.02	0.03	0.03	0.06	48.98	67.04	54.25	0.00	26.98	-0.78	13.57
MAY	0.00	21.32	109.47	0.00	109.47	8.20	4.85	0.00	0.05	0.05	109.47	127.49	108.73	0.00	26.20	-0.69	19.45
JUNE	0.00	19.97	98.89	14.72	113.61	8.72	4.97	0.00	20.01	20.01	113.61	149.84	132.46	0.00	25.51	-0.91	18.29
2ND QUARTER	0.00	59.86	257.34	14.72	272.06	20.51	12.84	0.03	20.09	20.12	272.06	344.37	295.44	0.00	78.69	-2.38	51.31
SEMI-ANNUAL	0.00	107.27	404.46	14.72	419.18	31.69	20.52	0.03	20.09	20.12	419.18	535.40	445.86	0.00	158.51	-2.02	91.56
JULY	0.00	17.34	106.06	31.73	137.79	10.38	4.67	0.00	27.34	27.34	137.79	176.76	158.90	0.00	24.60	0.18	17.68
AUGUST	0.00	17.14	93.60	62.76	156.36	11.97	3.70	0.00	5.33	5.33	156.36	170.56	153.37	0.00	24.78	1.10	16.09
SEPTEMBER	0.00	15.71	63.75	67.79	131.54	8.61	4.02	0.00	0.00	0.00	131.54	142.66	125.99	0.00	25.88	1.93	14.74
3RD QUARTER	0.00	50.19	263.41	162.28	425.69	30.96	12.39	0.00	32.67	32.67	425.69	489.98	438.26	0.00	75.26	3.21	48.51
OCTOBER	0.00	16.82	44.37	43.63	88.00	6.20	2.47	0.00	0.00	0.00	88.00	101.09	87.74	0.00	27.81	-0.28	13.63
NOVEMBER	0.00	13.32	50.10	4.68	54.78	5.26	2.85	0.00	0.00	0.00	54.78	65.69	52.19	0.00	27.53	-0.18	13.68
DECEMBER	0.00	13.61	63.97	0.00	63.97	5.77	3.52	0.00	0.00	0.00	63.97	75.33	57.99	0.00	27.35	1.15	16.19
4TH QUARTER	0.00	43.75	158.44	48.31	206.75	17.23	8.84	0.00	0.00	0.00	206.75	242.11	197.92	0.00	82.69	0.69	43.50
ANNUAL TOTAL	0.00	201.21	826.31	225.31	1051.62	79.88	41.75	0.03	52.76	52.79	1051.62	1267.49	1082.04	0.00	316.46	1.88	183.57

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(b) Lake Draw = (1) + (5)

(c) Delivered to Distribution = (2) + (5) - (6) + (7) + (10)

(d) Un-Metered Water = ((12) - (13+14)) - (16)

(e) Storage Volume calculated 8:00 am the 1st of every month.

February 28, 2023

January 2023 Water Delivered Annual Analysis

- In January 2023 (70.11 AF), consumption was about the same compared to January 2022 (70.45 AF). These numbers are based off column (12) on the Report, and only counts water delivered to the Distribution System, and only counts water delivered to the Distribution System.
- January 2023 Lake Draw 64.29 = AF vs January 2022 = 55.25 AF.
- January 2023 Wells to System = 7.86 AF vs January 2022 = 16.52 AF. Production is less than usual because the system was offline for 16 days for pump and piping upgrades.
- January 2023 total CLAWA purchase = 0 AF vs January 2022 = 0 AF.
- January 2023 Recycled Water delivered = 0 AF vs January 2022 = 0 AF.