

LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT

MEMORANDUM

DATE: MARCH 22, 2022

TO: BOARD OF DIRECTORS
Lake Arrowhead Community Services District

FROM: CATHERINE CERRI, General Manager

SUBJECT: GENERAL MANAGERS REPORT

A. RECOMMENDATION

This is an information item only.

B. REASON FOR RECOMMENDATION

This is an information item only.

C. BACKGROUND INFORMATION

District Update

This is the time of year when we prepare our public information campaign for the upcoming irrigation season. The District is currently in a declared Level 3 Water Shortage which allows for 3 days of irrigation per week. Current hydrologic conditions indicate very similar conditions to last year. If we continue to see below average precipitation for the rest of the water year, the lake will be approximately 7' below full by November, 2022. Below is a summary of the various levels from Ordinance 83.

Level	Permanent Restrictions	Irrigation Days	Turf	Enforcement	Public Info	Drought Rates	Connection Moratorium	Reduction
1	X	3	No new	Maintain	Maintain			10%
2	X	3	Reduce	Maintain	Maintain			20%
3	X	3	Reduce	Increased	Increased			30%
4	X	2	Reduce	Increased	Increased			40%
5	X	1	Reduce	Strict	Persistent	X		50%
6	X	0	No Irrig	Strict	Persistent	X	X	50%+

State Water Supply Conditions

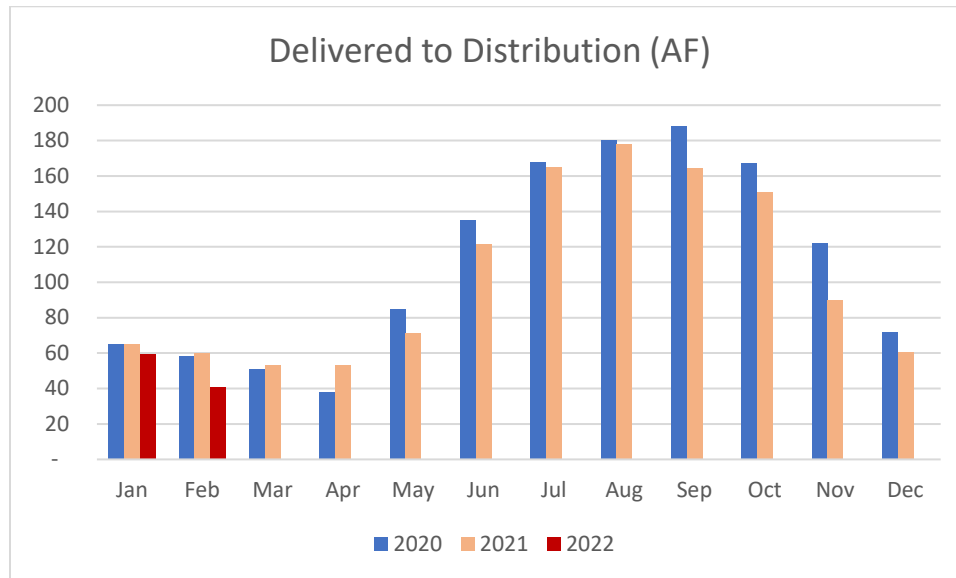
State Water Project allocations remain at 15%. Reservoir levels have improved since last month from 39% of capacity to 46% which is 9% lower than the same time last year.

Hydrologic Analysis

The drought outlook for the Lake Arrowhead area remains at “Moderate to Severe Drought.” We received nearly 3” of precipitation in February. Normally, we receive more than 6”. Lake level is currently at 5,103.7’ which is nearly 5” higher than last year at this time. Because we received a significant amount of rain in December, 2021, we have received 3” more than normal in the first five months of the water year which begins October 1st.

Demand Analysis

Another factor to consider is customer demand. The District has seen a steady decline over the last year compared to 2020. Water usage in January, 2022 was 7% lower than the same month last year and in February, 2022, usage was 12% lower.



Water Supply and Demand Summary 2022

	2019	2020	2021	Feb 2022 YTD	Projected	Total 2022
Surface Water	1,106	1,277	1,120	65	1,046	1,111
Groundwater	198	180	187	14	189	203
Imported Water	47	46	169	-	45	45
Total Supply	1,351	1,503	1,477	79	1,280	1,359
Demand	1,277	1,507	1,411	75	1,331	1,406
Demand Mgmt			(96)	-	(150)	(150)
Total	1,277	1,507	1,507	75	1,181	1,256

Hydrologic Assessment	2017 Average	2018 PY-3	2019 PY-2	2020	2021	<u>Projected</u>		
						2022	2023	
Precipitation Gage (in)	Annual	Annual	Annual	Total	Total	Total	Total	Total
Cedar Glen (SE)	33.06		27.76	66.26	24.52	35.55	11.92	12.2
BJ Admin (SW)	34.26	27.00	28.84	57.74	23.85	30.39	12.77	12.37
Bernina (W)	30.67	25.55	24.67	51.60	20.86	24.03	12.07	13.37
LACC (GV W)	19.72	15.76	12.37	38.61	14.69	25.87	9.84	12.85
Lake Arrowhead 1.5 SE, CA	39.16	31.61	29.2	68.73	27.08		6.61	12.78
Fire Sta #1, 5140 (S)	36.70	31.5	33.68	60.46	28.66	50.04	22.96	29.41
Fire Sta #4, 5280 (W)	28.46	24.13	31.35	59.59	26.57	39.8	16.01	19.58
Precipitation (in)	33.32	25.93	26.84	57.57	23.75	34.28	11.60	14.37
SWP Table A	64%	20-85%	15-35%	10-75%	10-20%	5%	0%	0%
<u>Lake Level Analysis</u>								
Lake Level (last day of mo)	5101.96	5099.15	5097.47	5103.98	5103.1	5102.4	5099.4	5096.6
Lake Level vs. full	-4.74	-7.55	-9.23	-2.72	-3.56	-4.32	-7.27	-10.08
Evaporation losses	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00
Lake withdrawals (feet)	-2.19	-1.37	-1.23	-1.41	-1.63	-1.43	-1.40	0.00
Precipitation (feet)	2.78	2.16	2.24	4.65	1.92	2.81	1.03	1.20

D. FISCAL IMPACT

This is an information item only.

E. ENVIRONMENTAL IMPACT

This is an information item only.

F. ATTACHMENTS

None