

LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT

MEMORANDUM

DATE: NOVEMBER 8, 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

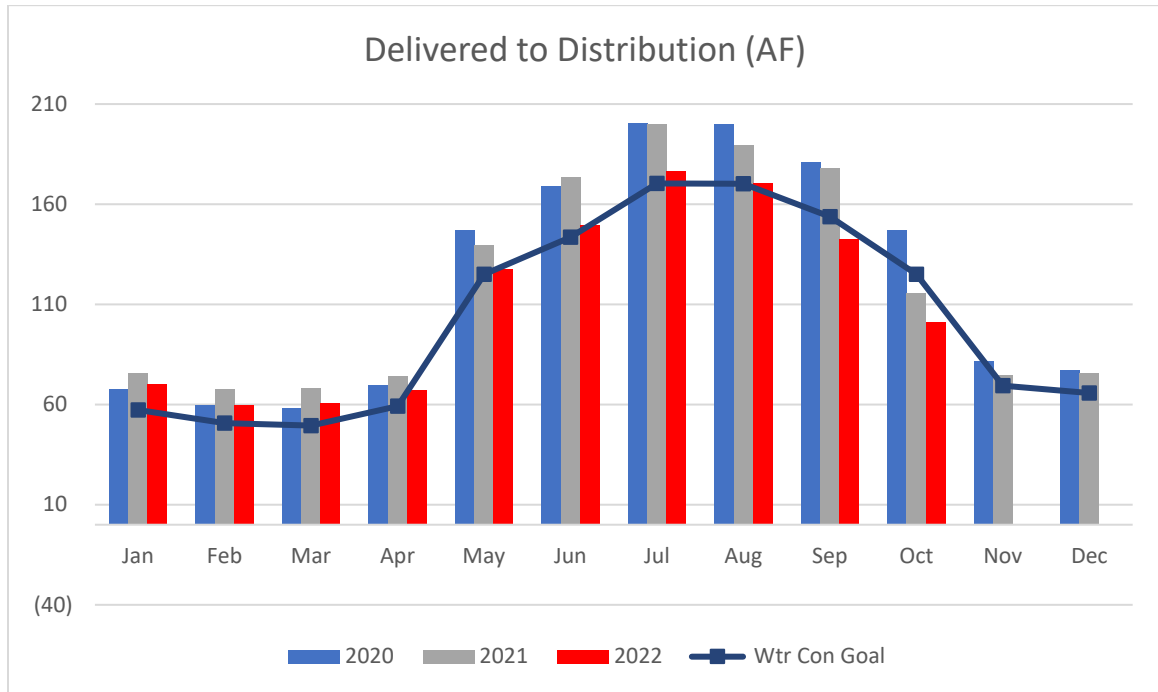
Drought Update

The Lake Arrowhead area ended the 2021-2022 Water Year with 31.44” of precipitation which is 94% of normal. More than half of that was received in December, 2021. Since that time, during the last ten months, the area has only received 13” of rain. These totals are an average of multiple rain gages. An average of 1.4” of rain fell in October, 2022. October typically averages approximately 1.7” of rain. Projections for the next few months are mixed. Some predictions state there is only a 30% chance that we will receive normal amounts of rain in the coming year. Others see potential for atmospheric rivers to reach Southern California. The drought monitor continues to categorize our area as in a “severe drought” which is two levels below the highest level of “exceptional drought”.

The level of Lake Arrowhead is currently at 5100.74’ which is 9.24” higher than the same time last year and above the stated lake level goal of 5,100’. Because LACSD is experiencing a decline in water usage and increased groundwater production, lake draw for the first ten months of 2022 is 13% lower than the same period last year with minimal imported water purchases.

Water usage in September, 2022 was 20% lower than 2021 and 21% lower than 2020. Water usage in October, 2022 was 13% lower than 2021 and 31% lower than 2020. The state of California would like to see a reduction in consumption of 15% compared to 2020.

Current statewide reservoir storage is at 30% of capacity and 57% of the historical average. There are no plans to purchase supplemental water from CLAWA due to the constraints on the state water project.



2022	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Vs 2019	1%	-12%	0%	-2%	29%	10%	-4%	-5%	-11%	-15%
Vs 2020	4%	0%	5%	-4%	-13%	-11%	-12%	-15%	-21%	-31%
Vs 2021	-7%	-12%	-10%	-10%	-9%	-14%	-12%	-10%	-20%	-13%

Water Supply and Demand Summary 2022

	2019	2020	2021	Oct 2022 YTD	Projected	Total 2022
Surface Water	1,106	1,277	1,120	933	133	1,066
Groundwater	198	180	187	174	31	205
Imported Water	47	46	169	53	0	53
Total Supply	1,351	1,503	1,477	1,160	164	1,324
Demand	1,277	1,507	1,507	1,157	183	1,340
Demand Mgmt			(96)	(80)	(20)	(100)
Total	1,277	1,507	1,411	782	163	1,240

Hydrologic Assessment	Projected							
	2017	2018	2019	2020	2021	2022	2023	
	Average	PY-3	PY-2					
Precipitation Gage (in)	Annual	Annual	Annual	Total	Total	Total	Total	
Cedar Glen (SE)	33.06		27.76	66.26	24.52	35.55	14.69	12.2
BJ Admin (SW)	34.26	27.00	28.84	57.74	23.85	30.39	14.42	12.37
Bernina USGS (W)	30.67	25.55	24.67	51.60	20.86	24.03	13.75	13.37
LACC (GV W)	19.72	15.76	12.37	38.61	14.69	25.87	19.97	12.85
Fire Sta #1, 5140 (S)	36.70	31.5	33.68	60.46	28.66	50.04	21.01	29.41
Fire Sta #4, 5280 (W)	28.46	24.13	31.35	59.59	26.57	39.8	16.79	19.58
Precipitation (in)	33.32	24.48	23.22	49.62	20.99	30.66	15.57	15.26
SWP Table A	64%	20-85%	15-35%	10-75%	10-20%	5%	5%	0%

Lake Level Analysis

Lake Level (last day of month)	5102.0	5099.2	5097.5	5104.0	5103.1	5102.4	5099.9	5095.8
Lake Level vs. full	-4.74	-7.55	-9.23	-2.72	-3.56	-4.32	-6.82	-10.91
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	-1.36	-1.36
Precipitation (feet)	2.78	2.04	1.93	4.06	1.71	2.54	1.26	1.27

Corp Yard Progress Pictures





D. FISCAL IMPACT

This is an information item only.

E. ENVIRONMENTAL IMPACT

This is an information item only.

F. ATTACHMENTS

None