

# LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT

## MEMORANDUM

**DATE:** December 14, 2021

**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

#### Regulatory Update

In 2018, significant legislation was passed that will create a water budget for each water agency in California (SB 606 and AB 1668). This legislation suggested that efficient residential indoor water use should be set at 55 gallons per person per day (GPCD), reducing to 52.5 GPCD in 2025 and 50 GPCD by 2030. The Department of Water Resources (DWR) and the State Water Resources Control Board (SWRCB) were tasked with preparing studies to determine if these standards were appropriate. Last week, DWR and SWRCB released their recommendations to the legislature, requiring water agencies to achieve a lower standard of 47 GPCD by 2025 and 42 GPCD by 2030. Water agencies may be fined if they do not achieve these standards.

Preliminary data suggests that LACSD is already meeting these standards in non-irrigation months. The District has been working with the UC Davis Center for Water-Energy Efficiency to estimate total population and remove irrigation from total residential water usage. Once this model is available, we will be able to calculate residential water usage without irrigation.

State Water Supply Conditions

Every year on December 1<sup>st</sup>, DWR announces the initial allocations for water from the State Water Project (SWP). Last week, it was announced that, due to the low levels of water in storage, the only water that will be guaranteed from the SWP will be for health and safety. Essentially, this means that agencies such as the Crestline-Lake Arrowhead Water Agency (CLAWA) may not have access to their annual contracted water supply unless hydrologic conditions change. SWP contractors will need to rely on other local supplies or water that was stored or contracted in previous years. For LACSD, this means that access to imported water will most likely be limited.

Hydrologic Analysis

The new water year started on October 1<sup>st</sup>. During the month of November, 2021, there was essentially no precipitation. The historic average precipitation for the month of November is between 3-4". Lake level is at 5,099.49', 7.21 feet below full. There is some precipitation forecasted for the second week in December.

Water Supply and Demand Summary 2021 YTD

	2019	2020	Nov-2021 YTD	Projected Dec	Total 2021
Surface Water	1,106	1,277	1,086	39	1,125
Groundwater	198	180	172	21	193
Imported	47	46	141	30	171
Total Supply	1,351	1,503	1,399	90	1,489
Demand	1,277	1,507	1,407	87	1,493
Demand Mgmt			(71)	(2)	(73)
Total	1,277	1,507	1,336	85	1,420

<b>Hydrologic Assessment</b>	2017	2018	2019	2020	<u>Projected</u>		
					2021	2022	
Average	PY-3	PY-2					
<b>Precipitation Gage (in)</b>	Annual	Annual	Annual	Total	Total	Total	Total
Cedar Glen (SE)	33.06		27.76	66.26	24.52	12.2	12.2
BJ Admin (SW)	34.26	27.00	28.84	57.74	23.85	12.37	12.37
Bernina (W)	30.67	25.55	24.67	51.60	20.86	13.37	13.37
LACC (GV W)	19.72	15.76	12.37	38.61	14.69	12.85	12.85
Lake Arrowhead 1.5 SE, CA	39.16	31.61	29.2	68.73	27.08	12.78	12.78
Fire Sta #1, 5140 (S)	36.70	31.5	33.68	60.46	28.66	29.41	29.41
Fire Sta #4, 5280 (W)	28.46	24.13	31.35	59.59	26.57	19.58	19.58
<b>Precipitation (in)</b>	<b>33.32</b>	<b>25.93</b>	<b>26.84</b>	<b>57.57</b>	<b>23.75</b>	<b>14.37</b>	<b>14.37</b>

Atmospheric river

SWP Table A	64%	20-85%	15-35%	10-75%	10-20%	5%	0%
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Lake Level Analysis

Lake Level (last day of month)	5101.96	5099.15	5097.47	5103.98	5103.14	5099	5095
Lake Level vs. full	-4.74	-7.55	-9.23	-2.72	-3.56	-7.37	-11.77
Evaporation losses	-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	-1.44	-1.60
Precipitation (feet)	2.78	2.16	2.24	4.65	1.92	1.34	1.20
GV Tunnel Inflow (AF)	524	1267	321	1147	249		

**D. FISCAL IMPACT**

This is an information item only.

**E. ENVIRONMENTAL IMPACT**

This is an information item only.

**F. ATTACHMENTS**

None