

ITEM: INFORMATIONAL ITEM/STAFF REPORT

21. MONTHLY WATER SUPPLY AND CALIFORNIA AMERICAN WATER PRODUCTION REPORT

Meeting Date: March 15, 2021 **Budgeted:** N/A

From: David J. Stoldt, **Program/** N/A
 General Manager **Line Item No.:**

Prepared By: Jonathan Lear **Cost Estimate:** N/A

General Counsel Review: N/A

Committee Recommendation: N/A

CEQA Compliance: Exempt from environmental review per SWRCB Order Nos. 95-10 and 2016-0016, and the Seaside Basin Groundwater Basin adjudication decision, as amended and Section 15268 of the California Environmental Quality Act (CEQA) Guidelines, as a ministerial project; Exempt from Section 15307, Actions by Regulatory Agencies for Protection of Natural Resources.

Exhibit 21-A shows the water supply status for the Monterey Peninsula Water Resources System (MPWRS) as of **March 1, 2021**. This system includes the surface water resources in the Carmel River Basin, the groundwater resources in the Carmel Valley Alluvial Aquifer and the Seaside Groundwater Basin. **Exhibit 21-A** is for Water Year (WY) 2021 and focuses on four factors: rainfall, runoff, and storage. The rainfall and Streamflow values are based on measurements in the upper Carmel River Basin at Sleepy Hollow Weir.

Water Supply Status: Rainfall through **February** 2021 totaled **.041 inches** and brings the cumulative rainfall total for WY 2021 to **9.85 inches**, which is **64%** of the long-term average through **February**. Estimated unimpaired runoff through **February** totaled **3,067 acre-feet (AF)** and brings the cumulative runoff total for WY 2021 to **11,123 AF**, which is **30%** of the long-term average through **February**. Usable storage for the MRWPRS was **29,850 acre-feet**, which is **96%** of average through **February**, and equates to **90%** percent of system capacity.

Production Compliance: Under State Water Resources Control Board (SWRCB) Cease and Desist Order No. 2016-0016 (CDO), California American Water (Cal-Am) is allowed to produce no more than 7,310 AF of water from the Carmel River in WY 2021. Through **February**, using the CDO accounting method, Cal-Am has produced **1,822 AF** from the Carmel River (including ASR capped at 600 AF, Table 13, and Mal Paso.) In addition, under the Seaside Basin Decision, Cal-Am is allowed to produce 1,474 AF of water from the Coastal Subareas and 0 AF from the Laguna Seca Subarea of the Seaside Basin in WY 2021. Through **February**, Cal-Am has produced **896 AF** from the Seaside Groundwater Basin. Through **February**, **66 AF** of Carmel River Basin groundwater have been diverted for Seaside Basin injection; **0 AF** have been recovered for customer use, **17 AF** have been diverted under Table 13 water rights, and **902 AF** of Pure Water Monterey recovered. Cal-Am has produced **3,603 AF** for customer use from all sources through **February**. **Exhibit 21-B** shows production by source. Some of the values in this report may be revised in the future as Cal-Am finalizes their production values and monitoring data.

EXHIBITS

21-A Water Supply Status: **March 1, 2021**

21-B Monthly Cal-Am production by source: WY 2021

EXHIBIT 21-A

**Monterey Peninsula Water Management District
Water Supply Status
March 1, 2021**

Factor	Oct – Feb 2021	Average To Date	Percent of Average	Oct - Feb 2020
Rainfall (Inches)	9.85	15.46	64%	11.48
Runoff (Acre-Feet)	11,123	36,789	30%	23,235
Storage ⁵ (Acre-Feet)	29,850	31,150	96%	31,420

Notes:

1. Rainfall and runoff estimates are based on measurements at San Clemente Dam. Annual rainfall and runoff at Sleepy Hollow Weir average 21.22 inches and 67,246 acre-feet, respectively. Annual values are based on the water year that runs from October 1 to September 30 of the following calendar year. The rainfall and runoff averages at the Sleepy Hollow Weir site are based on records for the 1922-2020 and 1902-2020 periods respectively.
2. The rainfall and runoff totals are based on measurements through the dates referenced in the table.
3. Storage estimates refer to usable storage in the Monterey Peninsula Water Resources System (MPWRS) that includes surface water in Los Padres and San Clemente Reservoirs and ground water in the Carmel Valley Alluvial Aquifer and in the Coastal Subareas of the Seaside Groundwater Basin. The storage averages are end-of-month values and are based on records for the 1989-2020 period. The storage estimates are end-of-month values for the dates referenced in the table.
4. The maximum storage capacity for the MPWRS is currently 33,130 acre-feet.

EXHIBIT 21-B

Production vs. CDO and Adjudication to Date: WY 2021

(All values in Acre-Feet)

Year-to-Date Values	MPWRS					Water Projects and Rights				Water Projects and Rights Total
	Carmel River Basin ^{2,6}	Seaside Groundwater Basin		MPWRS Total	ASR Recovery	Table 13 ⁷	Pure Water Monterey	Sand City ³		
		Coastal	Laguna Seca						Ajudication Compliance	
Target	2,140	773	0	773	2,913	0	114	1,000	125	1,239
Actual ⁴	1,822	808	88	896	2,718	0	17	902	49	968
Difference	318	-35	-88	-123	195	0	97	98	76	271
WY 2020 Actual	3,106	890	123	1,013	4,126	0	88	0	37	125

1. This table is current through the date of this report.
2. For CDO compliance, ASR, Mal Paso, and Table 13 diversions are included in River production per State Board.
3. Sand City Desal, Table 13, and ASR recovery are also tracked as water resources projects.
4. To date, 66 AF and 17 AF have been produced from the River for ASR and Table 13 respectively.
5. All values are rounded to the nearest Acre-Foot.
6. For CDO Tracking Purposes, ASR production for injection is capped at 600 AFY.
7. Table 13 diversions are reported under water rights but counted as production from the River for CDO tracking.

Monthly Production from all Sources for Customer Service: WY 2021

(All values in Acre-Feet)

	Carmel River Basin	Seaside Basin	ASR Recovery	Table 13	Sand City	Mal Paso	Pure Water Monterey	Total
Oct-20	293	266	0	0	10	5	300	874
Nov-20	233	219	0	0	0	5	300	757
Dec-20	314	276	0	0	7	6	100	703
Jan-21	343	130	0	13	12	5	150	652
Feb-21	531	6	0	4	20	5	52	617
Mar-21								
Apr-21								
May-21								
Jun-21								
Jul-21								
Aug-21								
Sep-21								
Total	1,714	896	0	17	49	26	902	3,603
WY 2020	2,586	1,013	0	88	37	15	0	3,739

1. This table is produced as a proxy for customer demand.
2. Numbers are provisional and are subject to correction.