California American Water Main Distribution System Quarterly Water Supply Strategy and Budget: January - March 2012

SOURCE/USE	MONTH			YEAR-TO-DATE		
	Jan-12	Feb-12	Mar-12	Oct-11 - Nov-11	% of YTD	% of Annual Budget
<u>Source</u>						
San Clemente Reservoir	0	0	0	0	0.0%	0.0%
Carmel Valley Aquifer						
Upper Subunits	0	0	0	0	0.0%	0.0%
Lower Subunits	1,020	1,037	1,202	1,030	107.9%	11.6%
Seaside Groundwater Basin						
Coastal Subareas	0	0	0	38	10.7%	0.3%
Phase 1 ASR Recovery	0	0	0	728	97.7%	65.2%
Sand City Desalination	<u>25</u>	<u>25</u>	<u>25</u>	43	86.0%	14.3%
Total	1,045	1,062	1,227	1,839		
Use						
Customer Service	815	762	887	1,898		
Phase 1 ASR Storage	<u>230</u>	<u>300</u>	<u>340</u>	0		
Total 1,045 1,062 1,227				1,898		

Proposed Production Values by Source in Acre-Feet

Notes:

1. The budget reflects "Normal" inflow conditions and assumes that the monthly unimpaired inflows at the San Clemente Dam site during the December 2011-March 2012 period will equal the 50% exceedence flows, i.e., 2,324, 6,406, 10,990 and 11,771 AF, respectively. The exceedence values are based on simulated flows for the 1902-2011 period of record.

2. The annual budget period corresponds to the Water Year, which begins on October 1 and ends on September 30 of the following Calendar Year.

3. Total monthly production for "Customer Service" in CAW's main system was calculated by multiplying total annual production (12,977 AF) times the average percentage of annual production for January, February and March (6.28%, 5.87%, and 6.83%, respectively). According to District Rule 162, the annual production total was based on the assumption that production from the Coastal Subareas of the Seaside Groundwater Basin would not exceed 2,669 AF and production from Carmel River sources, without adjustments for water produced from water resources projects, would not exceed 10,308 AF in WY 2012. In December 2011, the Seaside Watermaster determined there was 32 AF of native groundwater not produced under the Seaside Basin Ajudication Decision in WY 2011 and this water will carryover to WY 2012. The 32 AF carryover will applied to the next quarterly water budget. The average production percentages were based on monthly data for customer service from WY 2001 to 2010.

4. Maximum daily production values for "Phase 1 and 2 ASR Storage" are based on an average diversion rate of approximately 3,000 gallons per minute (gpm) or 13.3 AF per day and 1,500 gpm or 6.6 AF per day, respectively, from CAW's sources in the Carmel River Basin. Maximum daily production for Phase 1 and 2 ASR sites is 19.9 AF per day. Total monthly production is estimated by multiplying the maximum daily production by operational days per month for "Normal" flow conditions at San Clemente Dam.

5. No surface water diversions from San Clemente Reservoir (SCR) are assumed for this period based on concerns regarding water quality (elevated turbidity) and lowered water levels required by the Division of Dam Safety as part of the San Clemente Reservoir Drawdown Project that usually occur at this time of year.

6. The production targets for CAW's wells in the Upper Subunits of the Carmel Valley Aquifer are set at 0, based on CAW's goal to avoid use of these wells, year round. However, production could be higher under existing State water rights and interagency operating agreements.

7. The production targets for CAW's wells in the Seaside Coastal Subareas (i.e., 0 AF) are based on the assumption that sufficient flow will occur in the Carmel River at the Highway 1 Bridge (i.e., 40 cubic feet per second) to allow CAW to shift all