



California American Water – Monterey
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Pacific Grove, CA 93950
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January 14, 2011

Barbara Evoy, Division Chief
Division of Water Rights
State Water Resources Control Board
1001 I Street
Sacramento, CA 95812

Re: SWRCB Order WR 2009-0060, 1st Quarterly Report for the 2010-2011 Water Year
Addressing Operations for the Period of October 1, 2010 to December, 2010.

Dear Ms. Evoy:

Pursuant to Condition Six of Order WR 2009-0060, this letter is California American Water's report for the first quarter of Water Year 2011 covering the period of October 1, 2010 to December 31, 2010. Each subsection of Condition Six is represented by a separate heading below. For ease of reference, the requirement of each subsection is summarized, followed by the requested information.

Condition 6(a)

Condition 6(a) requires California American to provide monthly summaries of the quantity of water it diverts from the river.

Compliance with Condition 6(a):

Table One summarizes the water diverted from the Carmel River by month, including all water diverted to storage under Permit 20808A. This data is compiled from meter readings that are collected daily from California American Water's pumps, either through an employee manually reading each meter, or through an employee reading the data from the Supervisory Control and Data Acquisition ("SCADA") system. A California American Water employee manually enters those daily readings into a spreadsheet that is provided to the Monterey system General Manager. The spreadsheet is designed to automatically calculate the monthly total from the daily readings. At the end of each month, this daily summary is cross-checked against SCADA information that is separately maintained for each well.

Month	Quantity Diverted
October 2010	629.3 AF
November 2010	477.2 AF
December 2010	492.9 AF
Total	1,599.4 AF

Condition 6(b)

Condition 6(b) requires California American Water to provide monthly summaries of the quantity of ASR project water diverted from the river under Permit 20808A and stored in the Seaside groundwater basin. The monthly report is to state the quantity of water beneficially used under Permit 20808A and the current balance of water in storage.

Compliance with Condition 6(b):

Table Two summarizes by month the quantity of ASR project water diverted from the Carmel River under Permit 20808A. This summary is from a spreadsheet e-mailed to the General Manager for California American Water's Monterey system by a Monterey Peninsula Water Management District employee each business day during the diversion season. This spreadsheet shows the gallons of water injected into each of the two injection wells. California American Water understands that the daily injection data is a manual reading of the meters on the injection pumps by a Monterey Peninsula Water Management District employee. This spreadsheet also contains a formula that estimates the number of acre-feet based on the gallons injected and also totals the daily readings for the month. The information in Table Two is taken directly from this spreadsheet.

The data regarding ASR water recovered is taken from the Quarterly Water Budget developed cooperatively between California American Water, the Monterey Peninsula Water Management District, NOAA Fisheries, and the California Department of Fish and Game, and represents an accounting of water withdrawn from the Seaside Groundwater Basin. The recovery of ASR project water diverted to storage in Water Year 2010 (1110.4 acre-feet) did not begin until October 1, 2010.

Month	ASR Diverted to Storage	ASR Recovered for Beneficial Use	Month End Storage Balance
October 2010	0.0 AF	420.4 AF	690.0 AF
November 2010	0.0 AF	392.0 AF	298.0 AF
December 2010	65.7 AF	294.3 AF	69.4 AF
Total	65.7 AF	1,106.7 AF	

Condition 6(c)

Condition 6(c) requires California American Water to provide monthly summaries of the quantity of water being produced by the Sand City desalination plant. The report is also to identify new service connections within Sand City and report the quantity of water being delivered to the new connections. The monthly report is also to specify the quantity of water used to reduce diversions from the river during the reporting period.

Compliance with Condition 6(c):

Table Three lists the number of new connections in the City of Sand City by month for the reporting period. This information is taken from Attachment One. Attachment One is manually compiled by a California American Water employee from the water connection permits issued by the Monterey Peninsula Water Management District and subsequently

provided to California American Water by prospective customers. If a listing on Attachment One has no "Installed Date," the customer has provided California American Water with the water connection permit, but has not requested a meter to be installed.

Month	Number of New Connections in Sand City
October 2010	0
November 2010	0
December 2010	0

Table Four summarizes by month the quantity of water produced by the Sand City desalination plant, the quantity of water used by new connections, and quantity of water used to reduce river diversions.

Month	Sand City Production	Water Used by New Connections	Water Used to Reduce River Diversions
October 2010	23.2 AF	0.0 AF	23.2 AF
November 2010	12.3 AF	0.0 AF	12.3 AF
December 2010	17.9 AF	0.0 AF	17.9 AF

Condition 6(d)

Condition 6(d) requires California American Water to provide monthly summaries of the quantity of water saved by reducing system losses.

Compliance with Condition 6(d):

Water systems typically calculate losses using a 12-month running average to smooth seasonal variations in the data. Table Five lists the 12-month running average for Monterey Main System losses and compares the losses to an October 2008 through September 2009 base period. The 12-month running average is calculated by subtracting the cumulative metered consumption from the production volume shown in Table One. The cumulative metered consumption is based on the individual monthly meter readings and is obtained from a report generated by our accounting system. The Monterey system General Manager calculates the difference from these two numbers to arrive at the monthly system loss, and then calculates the 12-month running average from the monthly data.

12 Month Period	System Losses	Savings Compared to Base Year
Oct 08 – Sept 09	1,276 AF	(base year)
Nov 09 – Oct 10	1,298 AF	-22 AF
Dec 09 – Nov 10	1,226 AF	50 AF
Jan 09 – Dec 10	1,207 AF	69 AF

It is difficult to identify the actual components of unaccounted-for-water as it is a combination of system leaks and actual water use not captured by meters. A high priority is being given to identifying and repairing leaks, meter replacement, and infrastructure replacement. Table Six presents information on leaks detected and repaired during the reporting period. Each time a leak is detected, a California American Water repair crew responds to repair the leak. The assigned crew leader prepares a "leak report." The information in Table Six is based on a manual count of the leak reports received by the Monterey system General Manager during the reporting period.

Month	Main Leaks	Service Leaks
October 2010	17	32
November 2010	29	33
December 2010	21	23

Table Seven summarizes service, main, meter, and hydrant replacements during the reporting period. Please note that service, main, meter and hydrant replacements are performed by both California American Water's forces and contractors. Service replacements are tracked via work orders for various purposes, including accounting and system management. The service replacements are calculated by a California American Water Operations supervisor from these work orders. The quantity of water mains and fire hydrants replaced is compiled by a California American Water Operations supervisor from Engineering Department records, which in turn are based on information from contractors. California American Water maintains records regarding meter replacements for various purposes, including reporting to the California Public Utilities Commission and inventory control. The number of meters replaced was compiled by a California American Water Operations supervisor from these records. To the extent that the data in Table Seven includes contractor reports or data from invoices for contract services, this information: (a) is based on the representations made by our contractors; (b) may include field estimates for the lengths of pipe replaced.

Month	Service Replacements Number	Main Replacements Feet	Meter Replacements Number	Fire Hydrant Replacements Number
October 2010	91	800	120	4
November 2010	61	75	74	0
December 2010	30	655	50	5

Condition 6(e)

Condition 6(e) requires California American Water to provide monthly summaries of reductions in demand for potable water due to conservation actions such as increased rates, the Monterey Peninsula Water Management District's retrofit program, programs to reduce potable water use for outdoor irrigation, and other demand reduction initiatives.

Compliance with Condition 6(e):

California American Water implemented a new conservation rate structure effective February 1, 2010. The change in the rate structure is shown in Table Eight. The residential tiered conservation rate structure increases were directed at the top tier users and were designed to promote conservation practices and reduce overall water usage.

Tier	Old Rates Per Unit	New Rates Per Unit	Percent Change
1	\$0.268	\$0.275	2.6%
2	\$0.439	\$0.401	-8.6%
3	\$0.609	\$0.801	31.6%
4	\$0.800	\$1.603	105.6%
5	\$1.452	\$2.805	91.9%

A unit of water equals 10 cubic feet or 75 gallons.

Attachment Two compares the five year historical tier usage with calendar year 2010 actual use. There are several factors that can affect water consumption; including price, weather, and conservation efforts. California American Water assumes that the changes in consumption shown in Attachment Two are, in part, a result of the conservation rates and the other conservation activities. Except for savings estimated by the Monterey Peninsula Water Management District for water appliance retrofitting, California American Water cannot attribute specific portions of reduced consumption to rates, weather, or other conservation efforts.

Table Nine reports the estimated annual water savings from retrofit programs. The monthly rebate costs are dependent on the number and type of water conserving appliances. Examples of rebates include High Efficiency Toilet (\$200), High Efficiency Dishwasher (\$125), High Efficiency Washer (\$250), High Efficiency Urinal (\$200), Cistern Water Tank (\$25 per 100 gallon storage capacity), Cooling Tower Conductivity Controller (\$1,000), and X-ray Film Processor Recirculation System (\$2,000). This information was specifically requested from the Monterey Peninsula Water Management District by California American Water's Monterey system General Manager for the purposes of this report. The data provided by the Monterey Peninsula Water Management District and reported in Table Seven included the retrofit expenditures and estimated water savings in acre-feet by month.

Month	Cost	Annual Savings
October 2010	\$51,534	3.045 AF
November 2010	\$62,975	2.932 AF
December 2010	\$85,373	6.832 AF
Total	\$119,882	12.809 AF

The Monterey Peninsula Water Management District and California American Water conduct water conservation audits for homes, businesses and landscape accounts. Table Ten shows the total number of audits conducted in the reporting period. The information in Table Ten was reported to the Monterey system General Manager by California American Water's local Conservation Manager, who manages the conservation contract with the Monterey Peninsula Water Management District.

Month	Number of Audits
October 2010	19
November 2010	14
December 2010	11
Total	44

Both the Monterey Peninsula Water Management District and California American Water use contractors to perform some audits. Accordingly, the data in Table Ten is based, in part, on: (a) representations by those contractors as to the work performed; and (b) information provided by the Monterey Peninsula Water Management District.

The Monterey Peninsula Water Management District and California American Water conducted the following conservation programs and workshops during the reporting period:

- California American Water and MPWMD staff attended WaterSmart Innovations October conference for water conservation professionals. California American Water and MPWMD staff presented the joint conservation partnership and school retrofit program.
- California American Water and MPWMD hosted a Laundry to Landscape workshop in October.
- California American Water held a Landscape Irrigation Auditor Class in October.
- Held Sprinkler System Scheduling Class (1/2 day) in October.
- Conservation Events – California American Water and MPWMD participated in community fairs and events, by staffing conservation booths, allowing customers to interact with water conservation experts on how to take advantage of free water saving devices and obtain information about indoor water savings appliances and techniques.
 - Monterey County Home Show – October 23rd and 24th.
 - Green Building Expo – November 10.

Condition 6(f)

Condition 6(f) requires California American Water to provide monthly summaries identifying all new service connections. The report is to include the California American Water account number, the service address, the name of each authority granting any approval required for connecting to California American Water's system and the name of each authority granting any approval required before commencing construction; the issuer of each approval and the date of each approval shall be separately listed for each service address.

Compliance with Condition 6(f):

In compliance with Monterey Peninsula Water Management District regulations, California American Water does not connect new customers unless the prospective customer provides California American Water with a water connection permit issued by the Monterey Peninsula Water Management District.

Attachment One is a list of all new connections authorized by the Monterey Peninsula Water Management District. Attachment One is being provided under separate cover as it contains confidential customer account information. California American Water requests the State Water Resources Control Board maintain this information as confidential. As discussed in Section 6(c) above, Attachment One is compiled by California American Water employees from the water connection permits issued by the Monterey Peninsula Water Management District and provided to California American Water by prospective customers. Prospective customers may elect to have a meter installed shortly after presentation of the water connection permit, or may request the meter at a later date. This report includes prospective customers who have presented California American Water with a water connection permit, even if that customer has not requested a meter to be immediately installed. If the customer has provided California American Water with the water connection permit, but has not requested a meter to be installed, the entry on Attachment One has no "Installed Date."

The new connection count does not include emergency fire service connections or the splitting of master meter connections into individual accounts, as neither of these activities increases water use.

Condition 6(g)

Condition 6(g) requires California American Water to provide monthly summaries identifying existing service addresses that receive an increased supply of water due to a change in zoning or use. The report is to include Cal-Am account number, the service address and the name of each authority authorizing a change of use or of zoning and the date of such change.

Compliance with Condition 6(g):

Attachment Three is a list of permits issued by the Monterey Peninsula Water Management District authorizing changes to existing service addresses that will result in an increased use of water through a change in zoning or use. Attachment Three is being provided under separate cover as it contains confidential customer account information. California American Water requests the State Water Resources Control Board maintain this information as confidential. Although not clearly a "change in zoning or use," Attachment Three includes permits issued for additions to, or remodeling of, an existing

service address where that addition or remodel has been determined by the Monterey Peninsula Water Management District to result in increased water consumption. California American Water requested this information from the Monterey Peninsula Water Management District specifically for this report. The Monterey Peninsula Water Management District provided a spreadsheet that the data from which is included in Attachment Three. This spreadsheet tracks the information by Assessor's Parcel Number. A California American Water employee correlated California American Water's records to the Monterey Peninsula Water Management District's spreadsheet based on Assessor's Parcel Number to obtain the California American Water account number and service address. Other than California American Water account number and service location, all data in Attachment Three was compiled or calculated by the Monterey Peninsula Water Management District.

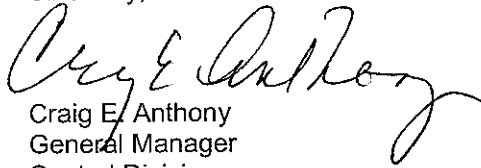
Conclusion

This concludes our report for the first quarter of Water Year 2011. Should you or your staff have any questions please call me at (831) 646-3214.

Compliance with Condition 6(h)

I declare under penalty of perjury, under the laws of the State of California, that all statements contained in this report and any accompanying documents are true and correct, with full knowledge that all statements made in this report are subject to investigation and that any false or dishonest statements may be grounds for prosecution.

Sincerely,



Craig E. Anthony
General Manager
Central Division
California American Water

Attachments



California American Water – Monterey
511 Forest Lodge Rd, Suite 100
Pacific Grove, CA 93950
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State Water Resources Control Board Water Rights Order WR-2009-0060

Report by California American Water
For The First Quarter
Water Year 2011

Attachment Two
Tier Water Use

Attachment Two
Comparison of Tier Historical Use with 2010 Actual Usage
All values in acre-feet



CALIFORNIA
AMERICAN WATER

Month	Tier One		Tier Two		Tier Three		Tier Four		Tier Five	
	Five Year Historical Use	2010 Actual Usage	Five Year Historical Use	2010 Actual Usage	Five Year Historical Use	2010 Actual Usage	Five Year Historical Use	2010 Actual Usage	Five Year Historical Use	2010 Actual Usage
January	547	793	171	215	42	51	18	18	25	31
February	572	471	154	75	34	30	14	7	23	11
March	554	540	153	86	35	35	14	7	18	16
April	620	620	177	112	42	43	18	11	27	21
May	722	631	186	133	46	62	20	13	27	17
June	833	674	237	152	75	79	34	23	50	36
July	871	734	255	183	88	110	42	36	67	50
August	871	756	250	189	86	104	40	34	71	47
September	842	726	255	185	82	107	39	34	59	43
October	797	763	230	157	73	86	35	28	57	36
November	614	588	195	132	62	50	31	18	61	32
December	557	559	180	109	51	42	24	12	41	18