



California American Water – Monterey  
511 Forest Lodge Rd, Suite 100  
Pacific Grove, CA 93950  
[amwater.com](http://amwater.com)

November 3, 2016

Leslie Grober, Deputy Director  
Division of Water Rights  
State Water Resources Control Board  
1001 I Street  
Sacramento, CA 95812

Re: SWRCB Order WR 2016-0016 / WR 2009-0060, 4th Quarterly Report for the 2015-2016 Water Year Addressing Operations for the Period of July 1, 2016 to September 30, 2016.

Dear Ms. Grober:

Pursuant to Condition Eight of Order WR 2016-0016 and Condition Six of Order WR 2009-0060, this letter is California American Water's report for the 4th quarter of Water Year 2016 covering the period of July 1, 2016 to September 30, 2016. This report has been modified from previous quarterly reports submitted in accordance with Order WR 2016-0016. For ease of reference, the requirement of each subsection is summarized, followed by the requested information.

#### **Condition 8(a)**

Condition 8(a) requires California American to provide monthly summaries of the total quantity of water produced from the Carmel River, and other separate sources of water used by Cal-Am within the service area.

#### **Compliance with Condition 8(a):**

Table One summarizes the total quantity of water produced from the Carmel River, and other separate sources of water used by Cal-Am within the service area by month. 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.

**Table One**  
**Total Quantity of Water Produced from Carmel River and other separate sources of water used by Cal-Am within the service area by month**

Month	Carmel Valley Wells <sup>1</sup> (AF)	Seaside Wells <sup>2</sup> (AF)	Sand City Desal (AF)	Total Production (AF)
Oct 2015	567.86	257.59	10.94	836.38
Nov 2015	478.76	165.72	0.29	644.77
Dec 2015	527.10	97.15	0.23	624.47
<b>Q1 Total</b>	<b>1,573.72</b>	<b>520.45</b>	<b>11.45</b>	<b>2,105.62</b>
<b>WYTD</b>	<b>1,573.72</b>	<b>520.45</b>	<b>11.45</b>	<b>2,105.62</b>
Jan 2016	747.47	68.73	2.22	818.43
Feb 2016	675.15	24.90	4.68	704.73
Mar 2016	885.08	119.32	15.70	1,020.10
<b>Q2 Total</b>	<b>2,307.71</b>	<b>212.96</b>	<b>22.59</b>	<b>2,543.26</b>
<b>WYTD</b>	<b>3,881.43</b>	<b>733.41</b>	<b>34.05</b>	<b>4,648.88</b>
Apr 2016	753.51	28.99	27.79	810.29
May 2016	760.78	68.07	21.98	850.84
Jun 2016	613.56	281.84	20.10	915.51
<b>Q3 Total</b>	<b>2,127.86</b>	<b>378.90</b>	<b>69.88</b>	<b>2,576.64</b>
<b>WYTD</b>	<b>6,009.28</b>	<b>1,112.31</b>	<b>103.93</b>	<b>7,225.52</b>
Jul 2016	680.05	260.93	9.34	950.32
Aug 2016	583.19	346.17	23.14	952.50
Sep 2016	432.35	449.36	24.54	906.26
<b>Q4 Total</b>	<b>1,695.59</b>	<b>1,056.47</b>	<b>57.02</b>	<b>2,809.08</b>
<b>WYTD</b>	<b>7,704.87</b>	<b>2,168.78</b>	<b>160.94</b>	<b>10,034.59</b>

<sup>1</sup>Includes ASR Injection

<sup>2</sup>Includes ASR Recovery

**Condition 8(b)**

Condition 8(b) requires California American Water to provide monthly summaries of the total quantity of ASR project water diverted from the river under water right Permit 20808A and Permit 20808C and stored in the Seaside Groundwater Basin, including the separate accounting of the amounts pumped in excess of 600 afa. The monthly reporting shall also state the quantity of ASR water recovered from aquifer storage and beneficially used, and the current balance of ASR water remaining in storage in the Seaside Groundwater Basin.

Compliance with Condition 8(b):

Table Two summarizes by month the quantity of ASR project water diverted from the Carmel River under Permit 20808A and Permit 20808C, and includes a separate accounting of the amounts pumped in excess of 600 afa. 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 four 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 converts 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 Wildlife, and represents an accounting of water withdrawn from the Seaside Groundwater Basin.

**Table Two  
Monthly Water Diverted to Storage and Storage Balance**

Month	Well 1 Diverted to Storage (AF)		Well 2 Diverted to Storage (AF)		Well 3 Diverted to Storage (AF)		Well 4 Diverted to Storage (AF)		ASR Injection (AF)	ASR Injection Balance in excess of 600 (AF)	ASR Recovery (AF)	Month End Storage Balance (AF)
	Permit 20808A	Permit 20808C	Permit 20808A	Permit 20808C		Permit 20808C	Permit 20808A	Permit 20808C				
Oct 2015	0	0	0	0	0	0	0	0	0	0	0	215.19
Nov 2015	0	0	0	0	0	0	0	0	0	0	0	215.19
Dec 2015	0	0	0	0	0	0	0	0	0	0	0	215.19
<b>Q1 Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>215.19</b>
<b>WYTD</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>215.19</b>
Jan 2016	25.32	0	47.33	84.21	210.60	51.99	0	1.74	210.60	0	0	425.79
Feb 2016	14.07	0	22.10	15.73	59.64	7.74	0	0	59.64	0	0	485.43
Mar 2016	72.05	30.99	4.52	166.69	376.78	99.93	0	2.61	376.78	47.02	0	862.21
<b>Q2 Total</b>	<b>111.44</b>	<b>30.99</b>	<b>73.95</b>	<b>266.63</b>	<b>647.02</b>	<b>159.66</b>	<b>0</b>	<b>4.35</b>	<b>647.02</b>	<b>47.02</b>	<b>0</b>	<b>862.21</b>
<b>WYTD</b>	<b>111.44</b>	<b>30.99</b>	<b>73.95</b>	<b>266.63</b>	<b>647.02</b>	<b>159.66</b>	<b>0</b>	<b>4.35</b>	<b>647.02</b>	<b>47.02</b>	<b>0</b>	<b>862.21</b>
Apr 2016	21.40	0	18.86	7.53	52.16	4.36	0	0	52.16	99.18	0	914.37
May 2016	0	0	0	0	0	0	0	0	0	99.18	0	914.37
Jun 2016	0	0	0	0	0	0	0	0	0	99.18	149.45	764.91
<b>Q3 Total</b>	<b>21.40</b>	<b>0</b>	<b>18.86</b>	<b>7.53</b>	<b>52.16</b>	<b>4.36</b>	<b>0</b>	<b>0</b>	<b>52.16</b>	<b>99.18</b>	<b>149.45</b>	<b>764.91</b>
<b>WYTD</b>	<b>132.84</b>	<b>30.99</b>	<b>92.82</b>	<b>274.16</b>	<b>699.18</b>	<b>164.02</b>	<b>0</b>	<b>4.35</b>	<b>699.18</b>	<b>99.18</b>	<b>149.45</b>	<b>764.91</b>
Jul 2016	0	0	0	0	0	0	0	0	0	99.18	155.00	609.91
Aug 2016	0	0	0	0	0	0	0	0	0	99.18	155.00	454.91
Sep 2016	0	0	0	0	0	0	0	0	0	99.18	150.00	304.91
<b>Q4 Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>99.18</b>	<b>460.00</b>	<b>304.91</b>
<b>WYTD</b>	<b>132.84</b>	<b>30.99</b>	<b>92.82</b>	<b>274.16</b>	<b>699.18</b>	<b>164.02</b>	<b>0</b>	<b>4.35</b>	<b>699.18</b>	<b>99.18</b>	<b>609.45</b>	<b>304.91</b>

**Condition 8(c)**

Condition 8(c) requires California American Water to provide monthly summaries of the quantity of water being supplied by the Malpaso Water Company to Cal-Am and to Malpaso customers supplied using Ca-Am facilities. The reporting shall identify the amount of water used at Cal-Am's existing meter connections and within the Cal-Am service area, and the amounts at new service connections served by Malpaso Water Company. The monthly reports shall specify the quantity of water used to reduce diversions from the river during the reporting period.

**Compliance with Condition 8(c):**

Table Three summarizes by month the quantity of water supplied by the Malpaso Water Company, the quantity of water used by new connections, and quantity of water used to reduce river diversions.

<b>Table Three</b>			
<b>Malpaso Water Company Monthly Production and Product Allocation</b>			
<b>Month</b>	<b>Malpaso Production (AF)</b>	<b>Use by New Malpaso Connections<sup>1</sup> (AF)</b>	<b>Water Used to Reduce Diversions (AF)</b>
Oct 2015	0	0	0
Nov 2015	0	0	0
Dec 2015	0	0	0
Jan 2016	0	0	0
Feb 2016	0	0	0
Mar 2016	0	0	0
Apr 2016	0	0	0
May 2016	0	0	0
Jun 2016	0	0	0
Jul 2016	0	0	0
Aug 2016	0.83	0	0.83
Sep 2016	9.52	0	9.52
<b>Total</b>	<b>10.35</b>	<b>0</b>	<b>10.35</b>

<sup>1</sup>See Attachment 1

**Condition 8(d)**

Condition 8(d) requires California American Water to provide monthly summaries of the quantity of water produced by the City of Pacific Grove, and the quantity of water used to reduce diversions from the river during the reporting period. Cal-Am shall not deliver water produced by the City of Pacific Grove unless such use is consistent with Resolution 2015-0070, paragraph 4.

**Compliance with Condition 8(d):**

Table Four summarizes by month the quantity of water produced by the City of Pacific Grove, and the quantity of water used to reduce river diversions.

<b>Table Four City of Pacific Grove Monthly Production and Product Allocation</b>		
<b>Month</b>	<b>City of Pacific Grove Production (AF)</b>	<b>Water Used to Reduce River Diversions (AF)</b>
Oct 2015	0	0
Nov 2015	0	0
Dec 2015	0	0
Jan 2016	0	0
Feb 2016	0	0
Mar 2016	0	0
Apr 2016	0	0
May 2016	0	0
Jun 2016	0	0
Jul 2016	0	0
Aug 2016	0	0
Sep 2016	0	0
<b>Total</b>	<b>0</b>	<b>0</b>

**Condition 8(e)**

Condition 8(e) requires California American Water for the final quarter of each water year to report the quantification and basis of any credits earned and of any amount being carried over for future years.

**Compliance with Condition 8(e):**

Table Five (a) summarizes the Effective Diversion Limit adjustment calculation, Table Five (b) summarizes the adjusted Carmel Valley Well production calculation, and Table Five (c) summarizes the final quarter quantification and basis of credits earned to be carried over for future years.

<b>Table Five (a) Effective Diversion Limit Adjustment Calculation (AF)</b>	
Effective Diversion Limit	8,310
Penalty for Missed Milestones	(0.00)
Water Produced by Sand City not used by Sand City Customers	(81.06)
Pure Water Monterey Groundwater Replenishment Project Water Recovery	(0.00)
Carry over credit from previous water year	0.00
Instream Flow Agreement Carry Over Credit (50%) from previous water year	0.00
<b>Adjusted Effective Diversion Limit</b>	<b>8,228.94</b>

<b>Table Five (b) Adjusted Carmel Valley Well Production Calculation (AF)</b>	
Carmel Valley Well Production (excludes Malpaso Water)	7,694.52
Malpaso Water Produced not served to subscribers	10.35
Water served to Pebble Beach entitlements	(19.20)
ASR Injection in excess of 600AF	(99.18)
<b>Adjusted Carmel Valley Well Production</b>	<b>7,586.50</b>

<b>Table Five (c) Final Quarter Quantification and Basis of Credits earned and Amount Being Carried Over (AF)</b>	
Adjusted EDL (from Table 5a)	8,228.94
Adjusted Carmel Valley Well Production (from Table 5b)	(7,586.50)
<b>Carry over credit for Future Years (not to exceed 750 AF)</b>	<b>642.44</b>

### **Condition 8(f)**

Condition 8(f) requires California American Water to provide an accounting of the progress towards completion of the Water Supply Project MPWSP Desalination Plant and Pure Water Monterey Project that identifies all progressive steps completed during the previous 12 months and the upcoming 12 month's anticipated progress, and discussion of potential setbacks that may be beyond the Applicant's control.

#### **Compliance with Condition 8(f):**

##### **Progressive Steps Completed During the Previous 12 Months**

The milestone for Water Year 2015-2016 CPUC approval of (1) the Water Purchase Agreement for Cal-Am's purchase of Pure Water Monterey water, and of (2) construction of the Cal-Am components of the Pure Water Monterey conveyance facilities was achieved on September 22, 2016, when the CPUC issued Decision 16-09-021. The SWRCB was provided notice on 9/27/2016. The milestone for Water Year 2016-2017, start of construction of the Cal-Am components of the Pure Water Monterey project, meaning commencement of physical work after issuance of required regulatory permits and authorizations to begin work must be achieved by 9/30/2017. Progress on the milestone for Water Year 2016-2017 is being made, including potholing along the route to confirm utility locations and subsurface conditions. Cal-Am is engaged with each local jurisdiction along the pipe route to obtain all the necessary permits. Cal-Am has obtained Coastal Development Permits (and/or waivers) for portions of the pipeline within the Coastal Zone.

Additionally, the test slant well for the MPWSP desalination plant has been operating for over 330 days of pumping. Data collected from test well operation and monitoring has been posted and is available for review on the project website.

##### **Anticipated Progress in the Upcoming 12 Months**

- November 2016 - Begin construction of Monterey Pipeline
- Dec. 21 2016 – Anticipated Release draft EIR by CPUC
- Feb. 4 2017 – End of public review period
- Sept. 25 2017 – Anticipated Release of Final EIR/EIS by CPUC
- Nov. 8, 2017 – Anticipated EIR/EIS Approval and CPCN by CPUC

Anticipated actions by the CPUC are beyond Cal-Am's control.

**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):

See Table One, above (compliance with SWRCB Order WR 2016-0016 Condition 8(a))

**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 Permit 20808C and stored in the Seaside groundwater basin. The monthly report is to state the quantity of water beneficially used under Permit 20808A and Permit 20808C and the current balance of water in storage.

Compliance with Condition 6(b):

Condition 6(b) superseded by SWRCB Order WR 2016-0016 Condition 8(b).



**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 Six lists the number of new connections in the City of Sand City by month. 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.

<b>Table Six</b>		
<b>New Connections Within the Sand City</b>		
<b>Month</b>	<b>New Connections</b>	<b>Installed Date</b>
Oct 2015	0	
Nov 2015	0	
Dec 2015	0	
Jan 2016	0	
Feb 2016	0	
Mar 2016	0	
Apr 2016	0	
May 2016	0	
Jun 2016	0	
Jul 2016	0	
Aug 2016	0	
Sep 2016	0	

Table Seven 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.

<b>Table Seven</b>			
<b>Sand City Desalination Facility Monthly Production and Product Allocation</b>			
<b>Month</b>	<b>Sand City Production (AF)</b>	<b>Water Used by New Connections (AF)</b>	<b>Water Used to Reduce River Diversions (AF)</b>
Oct 2015	10.94	0.008	10.94
Nov 2015	0.29	0.011	0.28
Dec 2015	0.23	0.016	0.22
Jan 2016	2.22	0.006	2.22
Feb 2016	4.68	0.006	4.68
Mar 2016	15.70	0.011	15.70
Apr 2016	27.79	0.019	27.79
May 2016	21.98	0.032	21.95
Jun 2016	20.10	0.019	20.10
Jul 2016	9.34	0.030	9.31
Aug 2016	23.14	0.029	23.11
Sep 2016	24.54	0.038	24.51
<b>Total</b>	<b>160.94</b>	<b>0.225</b>	<b>160.81</b>

**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 Eight 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 Monterey Main System production volumes which consist of Carmel Valley, Seaside, and Sand City production. 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.

<b>Table Eight</b>		
<b>12-Month Running Average of Unaccounted For Water</b>		
<b>12 Month Period</b>	<b>System Losses (AF)</b>	<b>Savings Compared to Base Year (AF)</b>
Oct 08 - Sep 09	1276 (base year)	NA
Nov 14 - Oct 15	445.53	830.47
Dec 14 – Nov 15	221.29	1054.71
Jan 15 - Dec 15	247.27	1028.73
Feb 15 – Jan 16	108.78	1167.22
Mar 15 – Feb 16	163.38	1112.62
Apr 15 – Mar 16	78.68	1197.32
May 15 – Apr 16	142.65	1133.35
Jun 15 – May 16	80.71	1195.29
Jul 15 – Jun 16	145.99	1130.01
Aug 15 – Jul 16	168.84	1107.16
Sep 15 – Aug 16	131.67	1144.33
Oct 15 – Sep 16	94.86	1181.14

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 Nine presents information on leaks detected and repaired. 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 Nine is based on a manual count of the leak reports received by the Monterey system General Manager.

<b>Table Nine</b>		
<b>Total Main and Service Leak Repairs</b>		
<b>Month</b>	<b>Main Leaks</b>	<b>Service Leaks</b>
Oct 2015	16	26
Nov 2015	29	30
Dec 2015	25	13
Jan 2016	13	19
Feb 2016	13	17
Mar 2016	6	18
Apr 2016	22	26
May 2016	6	27
Jun 2016	12	22
Jul 2016	8	28
Aug 2016	8	30
Sep 2016	6	29
<b>Total</b>	<b>164</b>	<b>285</b>

Table Ten summarizes service, main, meter, and hydrant replacements. 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 Ten 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.

<b>Table Ten</b>				
<b>Monthly Totals of Water Service, Main, Meter and Fire Hydrant Replacements</b>				
<b>Month</b>	<b>Service Replacements Number</b>	<b>Main Replacements Feet</b>	<b>Meter Replacements Number</b>	<b>Fire Hydrant Replacements Number</b>
Oct 2015	6	947	274	3
Nov 2015	4	0	149	4
Dec 2015	3	1150	71	5
Jan 2016	8	29	71	2
Feb 2016	8	58	78	3
Mar 2016	5	65	44	3
Apr 2016	9	13	121	0
May 2016	15	1380	227	2
Jun 2016	12	39	69	0
Jul 2016	7	11	320	0
Aug 2016	38	1195	140	2
Sep 2016	6	47	172	1
<b>Total</b>	<b>124</b>	<b>4,934</b>	<b>1,736</b>	<b>25</b>

**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 Eleven. 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.

<b>Table Eleven</b>			
<b>Main System Residential Rate Structure Effective</b>			
<b>Tier</b>	<b>Old Rates Per Unit February 2009</b>	<b>Current Rates Per 100 Gallons May 2016</b>	<b>Percent Change</b>
1	\$0.2298	\$0.6469	181.51%
2	\$0.4596	\$1.4529	216.12%
3	\$0.6894	\$3.7930	450.19%
4	\$0.9192	\$7.6946	737.10%
5	\$1.8385	\$9.8343	434.91%

A unit of water is equal to 100 gallons.

Table Twelve compares the five year historical tier 4 and 5 usage with actual use. Tier 4 and 5 usage is almost exclusively outdoor watering. 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 Table Twelve 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.

<b>Table Twelve</b>		
<b>Tier 4 and 5 Average Historical Usage (WY 2005 - WY 2009) compared to WY 2016</b>		
<b>Month</b>	<b>Historical Usage (AF)</b>	<b>WY 15-16 (AF)</b>
Oct	91.3	27.03
Nov	92.4	20.47
Dec	64.7	11.08
Jan	43.1	9.76
Feb	37.0	12.30
Mar	31.5	15.47
Apr	44.7	11.71
May	46.2	8.72
Jun	83.4	28.43
Jul	108.6	38.47
Aug	111.3	37.11
Sep	97.9	35.71

Table Thirteen reports the estimated annual water savings from the Monterey district retrofit program. The monthly rebate costs are dependent on the number and type of water conserving appliances. Examples of rebates include High Efficiency Toilet, High Efficiency Dishwasher, High Efficiency Washer, High Efficiency Urinal, Cistern Water Tank, Cooling Tower Conductivity Controller, and X-ray Film Processor Recirculation System. 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 Thirteen included the retrofit expenditures and estimated water savings in acre-feet by month.

<b>Table Thirteen</b>		
<b>Total Retrofit Rebate Payments and Estimated Water Savings by Month</b>		
<b>Month</b>	<b>Cost (\$)</b>	<b>Annual Savings (AF)</b>
Oct 2015	60,624	2.81
Nov 2015	42,159	2.46
Dec 2015	38,621	1.40
<b>Q1 Total</b>	<b>141,404</b>	<b>6.67</b>
Jan 2016	60,586	2.632
Feb 2016	64,839	2.887
Mar 2016	44,964	1.853
<b>Q2 Total</b>	<b>170,389</b>	<b>7.372</b>
Apr 2016	44,520	3.11
May 2016	49,358	3.30
Jun 2016	38,809	2.09
<b>Q3 Total</b>	<b>132,687</b>	<b>8.50</b>
Jul 2016	36,879	2.27
Aug 2016	24,222	1.84
Sep 2016	44,606	2.55
<b>Q4 Total</b>	<b>105,707</b>	<b>6.66</b>



The Monterey Peninsula Water Management District and California American Water conduct water conservation audits for homes, businesses and landscape accounts. Table Fourteen shows the total number of audits conducted. The information in Table Fourteen 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.

<b>Table Fourteen</b>	
<b>Total Water Conservation Audits By Month</b>	
<b>Month</b>	<b>Number of Audits</b>
Oct 2015	66
Nov 2015	37
Dec 2015	44
<b>Q1 Total</b>	<b>147</b>
Jan 2016	28
Feb 2016	28
Mar 2016	34
<b>Q2 Total</b>	<b>90</b>
Apr 2016	20
May 2016	41
Jun 2016	61
<b>Q3 Total</b>	<b>122</b>
Jul 2016	50
Aug 2016	67
Sep 2016	71
<b>Q4 Total</b>	<b>188</b>

Both the Monterey Peninsula Water Management District and California American Water use contractors to perform some audits. Accordingly, the data in Table Fifteen 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 (CAW) in conjunction with the Monterey Peninsula Water Management District (MPWMD), continues to offer and provide conservation programs to its customers, including residential water audits, landscape water audits and water budgets, a rebate program, residential plumbing retrofit program, large landscape workshop program, and a public program.

California American Water Activities:

- 188 Residential Water Audits
- 119 High Low Service Order Inspections

- 157 Non Residential Landscape Compliance Inspections
- 1 Commercial Audit
- 28 Rain Sensor Installations
- California American Water's Conservation and Customer Service staff delivered 45 Violation door hangers for customers to repair their leaks within 72 hours.
- 3 Conservation Meetings with the MPWMD
- 3 Meetings with the Monterey County Water Awareness Committee
- California American Water's Conservation Staff entered in the Monterey County Fair's Annual Landscape Contest and won 2 first place awards. Theme: Rainwater catchment to landscape.
- California American Water sponsored the Monterey County Fair over a four-day period, August 31 to September 3, 2016, where customers were educated on the importance of conserving water, how to read their meters, update on the desalt plant project, water quality, and the distribution of water. Customers were given water saving devices and conservation materials.

Monterey Peninsula Water Management District Activities:

- Aug 26<sup>th</sup>, Golf Event – Hospitality Association
- Aug 27<sup>th</sup> and 28<sup>th</sup>, West End Festival
- Sept 3<sup>rd</sup> Monterey Country Fair Water Awareness Day
- Sept 1-5<sup>th</sup> Monterey County Fair Garden Display
- Conducted 151 CII inspections

**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 the California American Water account number, the service address and the name of each authority authorizing the change of use or zoning and the date of such change.

**Compliance with Condition 6(g):**

Attachment Two 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 Two 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 Two 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 Two. 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 Two was compiled or calculated by the Monterey Peninsula Water Management District. Where there were clear clerical errors in data entry, California American Water corrected those errors in compiling this report.

**Conclusion**

This concludes our report for the 4th quarter of Water Year 2016. Should you or your staff have any questions please call me at your earliest convenience at (831) 646-3291.

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,



Eric Sabolsice  
Director, Operations  
Coastal Division  
California American Water

Attachments (2)