



511 Forest Lodge Road
Suite 100
Pacific Grove, CA 93950

P 831.646.3241
F 831.375.4367

www.amwater.com

christopher.cook@amwater.com

April 29, 2020

Erik Ekdahl, Deputy Director
Division of Water Rights
State Water Resources Control Board
1001 I Street
Sacramento, CA 95814

Re: SWRCB Order WR 2016-0016 / WR 2009-0060, 2nd Quarterly Report for the 2019-2020 Water Year Addressing Operations for the Period of January 1, 2020 to March 31, 2020.

Dear Mr. Ekdahl:

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 2nd quarter of Water Year 2020 covering the period of January 1, 2020 to March 31, 2020. 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 ¹ (AF)	Eastwood-Cañada Well (AF)	Seaside Wells ² (AF)	Sand City Desal (AF)	Total Production (AF)
Oct 2019	501.43	3.81	377.54	0.00	882.78
Nov 2019	522.90	1.51	270.83	0.00	795.24
Dec 2019	722.47	0.00	149.89	0.00	872.36
Q1 Total	1,746.80	5.32	798.26	0.00	2,550.39
WYTD	1,746.80	5.32	798.26	0.00	2,550.39
Jan 2020	706.90	0.00	92.11	10.32	809.33
Feb 2020	623.39	8.51	0.00	27.01	658.90
Mar 2020	688.79	8.04	127.89	27.15	851.88
Q2 Total	2,019.07	16.55	220.00	64.48	2,320.11
WYTD	3,765.87	21.88	1,018.27	64.48	4,870.50
Apr 2020					
May 2020					
Jun 2020					
Q3 Total					
WYTD					
Jul 2020					
Aug 2020					
Sep 2020					
Q4 Total					
WYTD					

¹Includes ASR Injection

²Includes ASR Recovery

Note: The volume reported in Table #1 is the actual production from the wells. For December 2019 1.32AF and January 2020 1.37AF of the Carmel Valley Wells production is counted under the Malpasos and Cal-Am Water Distribution System Permits #M15-04-L3 and #M15-05-L3 (see Table #3). This volume has been subtracted from the Carmel Valley Wells (excluding Malpasos) total in Table 5B.

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 ASR Storage Balance (AF)
	Permit 20808A	Permit 20808C	Permit 20808A	Permit 20808C	Permit 20808A	Permit 20808C	Permit 20808A	Permit 20808C				Previous WY (AF) 1,060.25
Oct 2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,060.25
Nov 2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,060.25
Dec 2019	0.00	0.00	108.95	57.22	33.67	0.00	9.70	47.15	256.69	0.00	0.00	1,316.94
Q1 Total	0.00	0.00	108.95	57.22	33.67	0.00	9.70	47.15	256.69	0.00	0.00	
WYTD	0.00	0.00	108.95	57.22	33.67	0.00	9.70	47.15	256.69	0.00	0.00	1,316.94
Jan 2020	0.00	0.00	72.48	25.70	0.00	0.00	36.84	25.74	160.76	0.00	0.00	1,477.70
Feb 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,477.70
Mar 2020	0.00	0.00	69.12	0.00	0.00	7.67	71.34	18.15	166.28	0.00	0.00	1,643.98
Q2 Total	0.00	0.00	141.60	25.70	0.00	7.67	108.18	43.89	327.04	0.00	0.00	
WYTD	0.00	0.00	250.55	82.92	33.67	7.67	117.88	91.04	583.73	0.00	0.00	1,643.98
Apr 2020												
May 2020												
Jun 2020												
Q3 Total												
WYTD												
Jul 2020												
Aug 2020												
Sep 2020												
Q4 Total												
WYTD												

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 Cal-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.

Table Three			
Malpaso Water Company Monthly Production and Product Allocation			
Month	Malpaso Production (AF)	Use by Malpaso Connections* (AF)	Water Used to Reduce Diversions (AF)
Oct 2019	3.81	1.32	2.49
Nov 2019	1.51	1.32	0.19
Dec 2019	1.32**	1.32	0.00
Jan 2020	1.37**	1.37	0.00
Feb 2020	8.51	1.37	7.14
Mar 2020	8.04	1.37	6.68
Apr 2020			
May 2020			
Jun 2020			
Jul 2020			
Aug 2020			
Sep 2020			
Total	21.88	8.07	16.49

*See Attachment Three and Four

** Note: In December 2019 and January 2020 there was no (0.00 AF) production from the Eastwood-Canada Well. Water pumped from Rancho Canada Well #2 is being counted under the Malpaso and Cal-Am Water Distribution System Permits #M15-04-L3 and #M15-05-L3 in order to meet demand from Malpaso customers. The production from Rancho Canada Well #2 is not counted as Eastwood-Canada Well production in Table #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.

Table Four City of Pacific Grove Monthly Production and Product Allocation		
Month	City of Pacific Grove Production (AF)	Water Used to Reduce River Diversions (AF)
Oct 2019	12.88	12.70
Nov 2019	5.46	4.94
Dec 2019	1.42	0.90
Jan 2020	0.56	0.36
Feb 2020	2.76	2.80
Mar 2020	2.30	2.33
Apr 2020		
May 2020		
Jun 2020		
Jul 2020		
Aug 2020		
Sep 2020		
Total	25.40	24.03

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.

Table Five (a) Effective Diversion Limit Adjustment Calculation (AF)	
Effective Diversion Limit	8,310
Penalty for Missed Milestones	(0.00)
Water Produced by Sand City not used by Sand City Customers	(0.00)
Pure Water Monterey Groundwater Replenishment Project Water Recovery	(0.00)
Instream Flow Agreement Carry Over Credit (50%) from previous water year	0.00
Adjusted Effective Diversion Limit	8,310.00

Table Five (b) Adjusted Carmel Valley Well Production Calculation (AF)	
Carmel Valley Well Production (excludes Malpaso Water)	3,763.18
Malpaso Water Produced not served to subscribers	16.49
Water served to Pebble Beach entitlements	(0.00)
ASR Injection in excess of 600AF	(0.00)
Adjusted Carmel Valley Well Production	3,779.67

Table Five (c)	
*Final Quarter Quantification and Basis of Credits earned and Amount Being Carried Over (AF)	
Adjusted EDL (from Table 5a)	
Adjusted Carmel Valley Well Production (from Table 5b)	
Production Exceeding Adjusted EDL	
Carryover Credits from Prior Years applied to offset EDL Exceedance (Max 750 AF per year)	
Adjusted Exceedance EDL	
Production Less Than Adjusted EDL (Carryover Credits)	
Unused Carryover Credits from Prior Years	
Cumulative Carryover credit for Future Years	

* Data in this table only populated in the Final (Fourth) Quarter of the WY.

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):

Past Progress Toward Completion of MPWSP:

- Milestone 1, 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, including the Monterey Pipeline and pump station): Milestone 1 was achieved on September 22, 2016, when the CPUC issued Decision 16-09-021. The SWRCB was provided notice on 9/27/2016.
- Milestone 2, 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): Milestone 2 was achieved, as Cal Am commenced construction of the Monterey pipeline and pump station project as part of the Pure Water Monterey project in October 2016, and commenced installation of the 36-inch pipeline on January 3, 2017.
- Milestone 3, Water Year 2017-2018 (Issuance of a Certificate of Public Convenience and Necessity to Construct the Monterey Peninsula Water Supply Project Desalination Plant ("MPWSP Desalination Plant") by the California Public Utilities Commission): Milestone 3 was achieved on September 13, 2018 when the CPUC issued Decision 18-09-017 that certified the MPWSP Final Environmental Impact Report (FEIR) and issued a CPCN to construct the MPWSP 6.4 MGD desalination project. Since that time, the City of Marina and Marina Coast Water District each filed Applications with the CPUC for Rehearing of the CPUC's decision, which were denied, and Petitions for Writ of Review with the California Supreme Court, which were denied.

Progressive Steps Completed During the Previous 12 Months

- Milestone 4, Water Year 2018-2019 (Start of construction for any of the Cal-Am Components of the MSWSP Desalination Plant, meaning commencement of physical work after issuance of required regulatory permits and authorizations to begin work. Cal-Am Components of the MPWSP Desalination Plant include: source water production wells; desalination plant; brine disposal system; and transmission pipelines.)
- On July 15, 2019, the County of Monterey approved a combined development permit for construction and operation of the MPWSP desalination plant.
- The Monterey County Planning Commission approved the Use Permit for the construction of the Carmel Valley Pump Station at its August 8, 2019 Meeting.
- On September 10, 2019, the City of Seaside approved an encroachment permit for transmission pipeline installation.
- On September 13, 2019, the CPUC approved Cal-Am's request for a Notice to Proceed with construction and installation of the Seaside Transmission Main.
- Cal-Am commenced construction on the Desalination Transfer Pipeline Project on September 16, 2019 for installation of over 2,500 Linear feet of the 36" diameter pipeline.
- An application for a coastal development permit for those portions of the MPWSP within the City of Marina's coastal zone was submitted to the City of Marina on June 22, 2018. The City's Planning Commission denied the application on March 7, 2019. Cal-Am, two interested parties and three Coastal Commission commissioners appealed the denial to the California Coastal Commission. The California Coastal Commission made a determination at its July 11, 2019 meeting that the City of Marina's Coastal Development Permit action is directly appealable to the Coastal Commission.
- On August 16, 2019, Marina Coast Water District filed a lawsuit challenging the County of Monterey's approval of a combined development permit for construction of the desalination plant and seeking a temporary restraining order and preliminary injunction. The court denied the request for a temporary restraining order and preliminary injunction, but on October 8, 2019, despite Cal-Am's opposition, granted MCWD's request for a brief stay pending the Coastal Commission's determination on Cal-Am's request for a coastal development permit for the desalination plant's slant wells. While the stay is in place, Cal-Am is prohibited from engaging in any physical construction of the desalination plant and from making any further changes to the land but may continue to obtain permits needed for the plant's construction. Currently, the stay remains in place through April 21, 2020, at which time the court will revisit the stay.
- The California Department of Fish and Wildlife approved an Incidental Take Permit for the MPWSP desalination plant site on 12/19/2019.
- Cal-Am completed construction of 5,000 LF of the Desalination Transfer Pipeline Project within the City of Seaside Right of Way on January 17, 2020.
- The California Coastal Commission was scheduled to hear the appeals of the City of Marina's denial of Cal-Am's application for a coastal development permit, as well as Cal-Am's consolidated permit application for those portions of the MPWSP within the Coastal Commission's original jurisdiction and those portions of the MPWSP within the City of Seaside and unincorporated County of Monterey coastal zones, on November 14, 2019. The Coastal Commission issued a staff report on October 28, 2019, and an addendum to the staff report on November 4, 2019 (the addendum was delayed because the Coastal Commission's independent hydrogeologist was impacted by wildfires and was unable to complete a report by the time the original staff report was released). The staff report recommended denial of the project; the addendum recommended additional groundwater modeling be undertaken to assist the Coastal Commission in determining whether the project would conform to the groundwater protection provision of Coastal Act section 30231. Additionally, Coastal Commission staff met with staff of California Public Utilities Commission to discuss the staff report recommendation, and determined that technical

questions about water supply and demand, potential groundwater impacts, and the Pure Water expansion alternative all required further investigation. The Commission therefore opened the public hearing on the proposed project on November 14, 2019, but took no vote to approve or deny the project. Instead, the Commission continued the hearing to a later date.

- On March 11, 2020, the Coastal Commission released a scope and schedule of proposed work for additional groundwater monitoring and data collection. The schedule indicates that the proposed work would not be completed until at least September 2020, although given the extent of work proposed, including the collection of new groundwater data, it is unlikely that such work could even be completed within one year. Both Cal-Am and the Hydrogeologic Working Group have responded to the Coastal Commission's proposal, raising concerns about the need for and extent of additional work. Cal-Am has also requested a meeting to further discuss the proposed work.
- On February 3, 2020 Cal-Am was issued a Notice to Proceed from the Public Utilities Commission for the construction of the Ryan Ranch/Bishop intertie.
- Construction started on the Ryan Ranch/Bishop interconnection on February 17, 2020 and is substantially complete.

Anticipated Progress in the Upcoming 12 Months

- Milestone 5, Water Year 2019-2020 ((1) Drilling activity for at least one MPWSP Desalination Plant source water production well complete; (2) foundation and structural framing complete for MPWSP Desalination Plant pretreatment seawater reverse osmosis, and administration buildings at desalination plant; (3) excavation complete for MPWSP Desalination Plant brine and backwash storage basins; and (4) 25% of Desalination Plant transmission pipelines installed based on total length, including 100% installation of the "Monterey Pipeline and other ASR related improvements".)
- The stay on physical construction of the desalination plant imposed by the Monterey Superior Court currently remains in place until at least April 21, 2020. Although Cal-Am had been on track to complete permitting and begin construction activities at the site, the court's stay precludes Cal-Am from starting the necessary activities at the plant site in order to be able to complete construction of the various plant facilities required under Milestone 5 by September 30, 2020. It is therefore unlikely that Cal-Am will be able to complete all of the activities required under Milestone 5 by September 30, 2020. This setback resulting from the court's stay is beyond Cal-Am's control.
- The Coastal Commission has not set a date for the continued hearing and determination on Cal-Am's application for a coastal development permit for the project's slant wells. Without a permit, Cal-Am cannot begin the necessary activities in order to complete drilling activities for a slant well, as required under Milestone 5. The delay caused by the Coastal Commission's decision to continue the hearing, based on a determination made just 10 days before the scheduled hearing that additional investigation was required, is beyond Cal-Am's control.
- Cal-Am has submitted an application to the State Lands Commission for a lease of state lands at the slant well site. The State Lands Commission is expected to consider the lease application in 2020.
- Cal-Am anticipates beginning construction of the Carmel Valley Pump Station in mid-2020.
- The Water Purchase Agreement for the Pure Water Monterey Project (Phase 1, 3,500 afy) among Cal-Am, Monterey One Water, and the Monterey Peninsula Water Management District provides for a Delivery Start Date of July 1, 2019 (the date that the District commences delivery of advanced treated recycled water to the delivery point), and a Performance Start Date of January 1, 2020 (the date the District's performance obligations commence). These milestones were not achieved, and Cal-Am has notified

the Monterey Peninsula Water Management District and Monterey One Water that these events of default occurred. Cal-Am understands that some water from the Pure Water Monterey project is now being injected into the Seaside groundwater basin. Cal-Am has requested, but has not yet received, an official Performance Start Date.

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.

Table Six New Connections Within the Sand City		
Month	New Connections	Installed Date
Oct 2019	0	
Nov 2019	2	11-21-19
Dec 2019	0	
Jan 2020	0	
Feb 2020	0	
Mar 2020	0	
Apr 2020		
May 2020		
Jun 2020		
Jul 2020		
Aug 2020		
Sep 2020		

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.

Table Seven			
Sand City Desalination Facility Monthly Production and Product Allocation			
Month	Sand City Production (AF)	Water Used by New Connections (AF)	Water Used to Reduce River Diversions (AF)
Oct 2019	0.00	0.184	-0.18
Nov 2019	0.00	0.142	-0.14
Dec 2019	0.00	0.129	-0.13
Jan 2020	10.32	0.091	10.23
Feb 2020	27.01	0.144	26.86
Mar 2020	27.15	0.152	27.00
Apr 2020			
May 2020			
Jun 2020			
Jul 2020			
Aug 2020			
Sep 2020			
Total	64.48	0.842	63.64

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.

Table Eight		
12-Month Running Average of Unaccounted For Water		
12 Month Period	System Losses (AF)	Savings Compared to Base Year (AF)
Oct 08 - Sep 09	1276 (base year)	NA
Nov 18 - Oct 19	489.24	786.76
Dec 18 – Nov 19	440.02	835.98
Jan 19 - Dec 19	372.67	903.33
Feb 19 – Jan 20	501.87	774.13
Mar 19 – Feb 20	505.98	770.02
Apr 19 – Mar 20	455.66	820.34
May 19 – Apr 20		
Jun 19 – May 20		
Jul 19 – Jun 20		
Aug 19 – Jul 20		
Sep 19 – Aug 20		
Oct 19 – Sep 20		

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.

Table Nine		
Total Main and Service Leak Repairs		
Month	Main Leaks	Service Leaks
Oct 2019	8	19
Nov 2019	7	13
Dec 2019	8	6
Jan 2020	8	17
Feb 2020	5	18
Mar 2020	12	16
Apr 2020		
May 2020		
Jun 2020		
Jul 2020		
Aug 2020		
Sep 2020		
Total	48	89

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.

Table Ten				
Monthly Totals of Water Service, Main, Meter and Fire Hydrant Replacements				
Month	Service Replacements Number	Main Replacements Feet	Meter Replacements Number	Fire Hydrant Replacements Number
Oct 2019	98	2,732	310	1
Nov 2019	14	656	180	1
Dec 2019	3	8	95	4
Jan 2020	6	0	363	1
Feb 2020	13	6	382	2
Mar 2020	8	31	549	5
Apr 2020				
May 2020				
Jun 2020				
Jul 2020				
Aug 2020				
Sep 2020				
Total	142	3,433	1,879	14

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.

Table Eleven			
Main System Residential Rate Structure Effective			
Tier	Old Rates Per Unit February 2009	Current Rates Per 100 Gallons January 17, 2020	Percent Change
1	\$0.2298	\$1.0078	338.56%
2	\$0.4596	\$1.5117	228.92%
3	\$0.6894	\$3.5274	411.66%
4	\$0.9192	\$6.5508	612.66%
5	\$1.8385	\$8.0625	338.54%

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.

Table Twelve		
Tier 4 and 5 Average Historical Usage (WY 2005 - WY 2009) compared to WY 2019		
Month	Historical Usage (AF)	WY 19-20 (AF)
Oct	91.3	31.36
Nov	92.4	36.45
Dec	64.7	23.13
Jan	43.1	8.27
Feb	37.0	9.63
Mar	31.5	16.90
Apr	44.7	
May	46.2	
Jun	83.4	
Jul	108.6	
Aug	111.3	
Sep	97.9	

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.

Table Thirteen		
Total Retrofit Rebate Payments and Estimated Water Savings by Month		
Month	Cost (\$)	Annual Savings (AF)
Oct 2019	20,250	0.69
Nov 2019	16,142	0.75
Dec 2019	26,750	0.86
Q1 Total	63,142	2.30
Jan 2020	20,074	*
Feb 2020	22,175	*
Mar 2020	11,325	0.38
Q2 Total	53,574	*
Apr 2020		
May 2020		
Jun 2020		
Q3 Total		
Jul 2020		
Aug 2020		
Sep 2020		
Q4 Total		

*At the submittal time of this report, data from MPWMD not available.

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.

Table Fourteen	
Total Water Conservation Audits By Month	
Month	Number of Audits
Oct 2019	43
Nov 2019	51
Dec 2019	55
Q1 Total	149
Jan 2020	31
Feb 2020	33
Mar 2020*	12
Q2 Total	76
Apr 2020	
May 2020	
Jun 2020	
Q3 Total	
Jul 2020	
Aug 2020	
Sep 2020	
Q4 Total	

* Due to COVID-19 all Water Audits were suspended as of 3-15-2020

Both the Monterey Peninsula Water Management District and California American Water use contractors to perform some audits. Accordingly, the data in Table Fourteen 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:

- 76 Residential Water Audits
- 2 Conservation Inspections
- 2 Conservation Meetings with the MPWMD

- 141 Data Logs – Customer hourly usage reports downloaded from meters
- 3 Meetings with the Monterey County Water Awareness Committee
- 69 Residential Rain Sensors Installed

California American Water Activities:

- CAW – MPWMD had several events scheduled to promote Fix a Leak Week and then were cancelled due to COVID-19. The following was the planned and scheduled events that were cancelled until further notice.
 - Farmers Market – Pacific Grove 3-16-20
 - Farmers Market – Monterey Alvarado Street 3-17-20
 - Farmers Market – Monterey Peninsula College 3-20-20
 - Class for Residential Customers on how to identify leaks – Pacific Grove office San Clemente Room 3-17-20
- Each year during the Spring season, California American Water sends a postcard to its residential customers offering free sprinkler check-ups. Due to COVID19, the sending of the postcard was postponed until we can once again resume water wise house calls.

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

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):

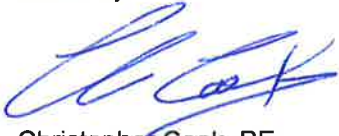
Attachment Two is a list of permits issued by the Monterey Peninsula Water Management District authorizing changes to existing service addresses that will result in an increased use of water through a change in zoning or use. Attachment Two is being provided under separate cover as it contains confidential 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 2nd quarter of Water Year 2020. Should you or your staff have any questions please call me at your earliest convenience at (831) 646-3241.

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,



Christopher Cook, PE
Director, Operations
Coastal Division
California American Water

Attachments (4)