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CLASS A  
WATER UTILITIES

U# \_\_\_\_\_

2015  
ANNUAL REPORT  
OF

---

CALIFORNIA-AMERICAN WATER COMPANY

(NAME UNDER WHICH CORPORATION, PARTNERSHIP, OR INDIVIDUAL IS DOING BUSINESS)

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1033 B Avenue, Suite 200, Coronado, CA 92118

(OFFICIAL MAILING ADDRESS)

ZIP

TO THE  
PUBLIC UTILITIES COMMISSION  
STATE OF CALIFORNIA  
FOR THE  
YEAR ENDED DECEMBER 31, 2015

REPORT MUST BE FILED NOT LATER THAN MARCH 31, 2016

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## GENERAL INSTRUCTIONS

1. Two completed and signed hard copies of this report and one electronic copy must be filed **NOT LATER THAN MARCH 31, 2016**, with:

**CALIFORNIA PUBLIC UTILITIES COMMISSION  
DIVISION OF WATER AND AUDITS  
ATTN: KAYODE KAJOPAIYE  
505 VAN NESS AVENUE, ROOM 3105  
SAN FRANCISCO, CALIFORNIA 94102-3298  
[kok@cpuc.ca.gov](mailto:kok@cpuc.ca.gov)**

2. Failure to file the report on time may subject a utility to the penalties and sanctions provided by the Public Utilities Code.
3. The Oath on Page 61, must be signed by an authorized officer, partner, or owner.
4. The report must be prepared in ink or by the use of a typewriter. Computer generated report forms may be substituted.
5. The report must be filled in, and every question answered. **LEAVE NO SCHEDULE BLANK.** Insert the words "none" or "not applicable" or "n/a" when appropriate.
6. Certain balance sheet and income statement accounts refer to supplemental schedules. The totals of the details in the latter must agree with the balances of the accounts to which they refer.
7. Some schedules provide for a "balance at beginning of year." The amount shown should agree with the "balance at end of year" as shown in the report for the previous year. If there is a difference, it should be explained by footnote.
8. When there is insufficient space in a schedule to permit a complete statement of the requested information, insert sheets should be prepared and identified by the number of the schedule to which it refers. Be certain that the inserts are securely attached to the report. If inserts are needed, prepare all inserts in one separate electronic file in Microsoft Excel format and file it with the electronic file of this report.
9. This report must cover the calendar year from January 1, 2015, through December 31, 2015. Fiscal year reports will not be accepted.
10. Your company's external auditor information, such as external auditor's name, phone number, and address, must be included in Page 12, Item 12, of this report.

# **INSTRUCTIONS**

## **FOR PREPARATION OF SELECTED FINANCIAL DATA SHEET FOR ALL WATER UTILITIES**

To prepare the attached data sheets, refer to the Balance Sheet, Income Statement and supporting detail schedules in the annual report for the required data.

Please follow the instructions below:

1. Common plant allocated to water should be indicated with water plant figures in Net Plant Investment.
2. The capitalization section for those reporting on both California Only and Total System Forms should be identical and completed with Total Company Data. Be sure that Advances for Construction include California water data only.
3. Complete the operation section with California water revenues and expenses, but if necessary, remove interdepartmental revenues and expenses.
4. All other utility and nonutility revenues and expenses are netted on Line No. 38.

# BALANCE SHEET AND CAPITALIZATION DATA

Calendar Year 2015

NAME OF UTILITY California-American Water PHONE 1-619-522-6360

PERSON RESPONSIBLE FOR THIS REPORT Robert MacLean

	1/1/2015	12/31/2015	Average
<b>BALANCE SHEET DATA</b>			
1 Intangible Plant	\$ 1,264,881	\$ 1,314,489	\$ 1,289,685
2 Land and Land Rights	5,992,420	6,286,097	6,139,258
3 Depreciable Plant	796,817,275	842,765,560	819,791,418
4 Gross Plant in Service	804,074,576	850,366,146	827,220,361
5 Less: Accumulated Depreciation	(275,451,362)	(290,846,240)	(283,148,801)
6 Net Water Plant in Service	528,623,214	559,519,905	544,071,560
7 Water Plant Held for Future Use	1,462,195	1,462,195	1,462,195
8 Construction Work in Progress	60,344,772	75,788,591	68,066,682
9 Materials and Supplies	679,413	742,821	711,117
10 Less: Advances for Construction	(15,732,850)	(15,948,679)	(15,840,765)
11 Less: Contributions in Aid of Construction	(59,671,827)	(60,808,360)	(60,240,093)
12 Less: Accumulated Deferred Income and Investment Tax Credits	(56,813,837)	(61,396,978)	(59,105,408)
13 Net Plant Investment	<u>\$ 458,891,080</u>	<u>\$ 499,359,496</u>	<u>\$ 479,125,288</u>
<b>CAPITALIZATION</b>			
14 Common Stock	\$ 92,477,914	\$ 92,477,914	\$ 92,477,914
15 Proprietary Capital (Individual or Partnership)	0	0	0
16 Paid-in Capital	167,548,295	172,708,816	170,128,556
17 Retained Earnings	54,205,309	61,218,624	57,711,966
18 Common Stock and Equity (Lines 14 through 17)	314,231,518	326,405,354	320,318,436
19 Preferred Stock	0	0	0
20 Long-Term Debt	269,014,032	288,632,696	278,823,364
21 Notes Payable	0	0	0
22 Total Capitalization (Lines 18 through 21)	<u>\$ 583,245,550</u>	<u>\$ 615,038,050</u>	<u>\$ 599,141,800</u>

Note: \_\_\_\_\_  
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# INCOME STATEMENT AND OTHER DATA

Calendar Year 2015

NAME OF UTILITY California-American Water

PHONE 1-619-522-6360

<b>INCOME STATEMENT</b>	Annual Amount
23 Unmetered Water Revenue	-
24 Fire Protection Revenue	<u>3,157,488</u>
25 Irrigation Revenue	-
26 Metered Water Revenue	<u>194,710,381</u>
27 Total Operating Revenue	<u>197,867,870</u>
28 <u>Operating Expenses</u>	<u>112,541,915</u>
29 Depreciation Expense (Composite Rate 3.73%)	<u>19,729,185</u>
30 Amortization and Property Losses	<u>(3,510,671)</u>
31 Property Taxes	<u>4,569,285</u>
32 Taxes Other Than Income Taxes	<u>1,602,494</u>
33 Total Operating Revenue Deduction Before Taxes	<u>62,935,662</u>
34 California Corp. Franchise Tax	<u>101,508</u>
35 Federal Corporate Income Tax	<u>20,895,957</u>
36 Total Operating Revenue Deduction After Taxes	<u>41,938,197</u>
37 Net Operating Income (Loss) - California Water Operations	<u>41,938,197</u>
38 Other Operating and Nonoperating. Income and Exp. - Net (Exclude Interest Expense)	<u>2,922,547</u>
39 Income Available for Fixed Charges	<u>44,860,744</u>
40 Interest Expense	<u>15,321,366</u>
41 Net Income (Loss) Before Dividends	<u>29,539,378</u>
42 Preferred Stock Dividends	-
43 Net Income (Loss) Available for Common Stock	<u>29,539,378</u>

<b>OTHER DATA</b>	Annual Amount
44 Refunds of Advances for Construction	<u>982,336</u>
45 Total Payroll Charged to Operating Expenses	<u>20,090,779</u>
46 Purchased Water	<u>37,622,333</u>
47 Power	<u>5,474,274</u>
<b>48 Class A Water Companies Only:</b>	
a. Pre-TRA 1986 Contributions in Aid of Construction	<u>50,852,200</u>
b. Pre-TRA 1986 Advances for Construction	<u>5,531,353</u>
c. Post TRA 1986 Contributions in Aid of Construction	<u>9,956,160</u>
d. Post TRA 1986 Advances for Construction	<u>12,135,394</u>

<u>Active Service Connections</u>	(Exc. Fire Protect.)	Jan. 1	Dec. 31	Annual Average
49 Metered Service Connections		<u>168,831</u>	<u>168,874</u>	<u>168,853</u>
50 Flat Rate Service Connections		<u>17,978</u>	<u>18,073</u>	<u>18,026</u>
51 Total Active Service Connections		<u>186,809</u>	<u>186,947</u>	<u>186,879</u>



**BALANCE SHEET AND CAPITALIZATION DATA**  
**Adjusted to Exclude Non-Regulated Activity**  
 Calendar Year 2015

NAME OF UTILITY California-American Water PHONE 1-619-522-6360

PERSON RESPONSIBLE FOR THIS REPORT Robert MacLean

	1/1/2015	12/31/2015	Average
<b>BALANCE SHEET DATA</b>			
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<b>CAPITALIZATION</b>			
14 Common Stock	\$ 92,477,914	\$ 92,477,914	\$ 92,477,914
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19 Preferred Stock	0	0	0
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21 Notes Payable	0	0	0
22 Total Capitalization (Lines 18 through 21)	<u>\$ 583,245,550</u>	<u>\$ 615,038,050</u>	<u>\$ 599,141,800</u>

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## INCOME STATEMENT AND OTHER DATA Adjusted to Exclude Non-Regulated Activity

Calendar Year 2015

NAME OF UTILITY California-American Water

PHONE 1-619-522-6360

	Annual Amount
<b>INCOME STATEMENT</b>	
23 Unmetered Water Revenue	-
24 Fire Protection Revenue	<u>3,157,488</u>
25 Irrigation Revenue	-
26 Metered Water Revenue	<u>194,710,381</u>
27 Total Operating Revenue	<u>197,867,870</u>
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31 Property Taxes	<u>4,569,285</u>
32 Taxes Other Than Income Taxes	<u>1,602,494</u>
33 Total Operating Revenue Deduction Before Taxes	<u>62,935,662</u>
34 California Corp. Franchise Tax	<u>101,508</u>
35 Federal Corporate Income Tax	<u>20,670,356</u>
36 Total Operating Revenue Deduction After Taxes	<u>42,163,798</u>
37 Net Operating Income (Loss) - California Water Operations	<u>42,163,798</u>
38 Other Operating and Nonoperating. Income and Exp. - Net (Exclude Interest Expense)	<u>2,407,945</u>
39 Income Available for Fixed Charges	<u>44,571,743</u>
40 Interest Expense	<u>15,321,366</u>
41 Net Income (Loss) Before Dividends	<u>29,250,377</u>
42 Preferred Stock Dividends	-
43 Net Income (Loss) Available for Common Stock	<u>29,250,377</u>
<b>OTHER DATA</b>	
44 Refunds of Advances for Construction	<u>982,336</u>
45 Total Payroll Charged to Operating Expenses	<u>20,090,779</u>
46 Purchased Water	<u>37,622,333</u>
47 Power	<u>5,474,274</u>
48 <b>Class A Water Companies Only:</b>	
a. Pre-TRA 1986 Contributions in Aid of Construction	<u>50,852,200</u>
b. Pre-TRA 1986 Advances for Construction	<u>5,531,353</u>
c. Post TRA 1986 Contributions in Aid of Construction	<u>9,956,160</u>
d. Post TRA 1986 Advances for Construction	<u>12,135,394</u>

<u>Active Service Connections</u>	(Exc. Fire Protect.)	Jan. 1	Dec. 31	Annual Average
49 Metered Service Connections		<u>167,632</u>	<u>168,874</u>	<u>168,253</u>
50 Flat Rate Service Connections		<u>19,628</u>	<u>18,073</u>	<u>18,851</u>
51 Total Active Service Connections		<u>187,260</u>	<u>186,947</u>	<u>187,104</u>

## Notes to Adjusted Selected Financial Data

Instructions: Provide reasons for each adjustment to the Selected Financial Data due to non-regulated activities. Detail this information by name of line item (Gross Plant, Operating Revenues, etc.), account number, dollar amount, and by point in time (end of year, beginning of year, or average).

Other Operating and Nonoperating Income and Exp. - Net (Exclude Interest Expense), Account Numbers 526 and 522, Dollar Amount \$514,602 is the non-regulated activity as referenced in

1 Excess Capacity schedule.

2 Federal Corporate Income Tax, Account Number 507, Dollar Amount \$225,601 represents tax  
3 effect of reduction of non-regulated revenues.

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### Excess Capacity and Non-Tariffed Services

NOTE: In D.00-07-018, D.03-04-028, and D. 04-12-023, the CPUC set forth rules and requirements regarding water utilities provision of non-tariffed services using excess capacity. These decisions require water utilities to: 1) file an advice letter requesting Commission approval of that service, 2) provide information regarding non-tariffed goods/services in each companies Annual Report to the Commission.

Based on the information and filings required in D.00-07-018, D.03-04-028, and D.04-12-023, provide the following information by each individual non-tariffed good and service provided in 2015:

Applies to All Non-Tariffed Goods/Services that require Approval by Advice Letter											
Row Number	Description of Non-Tariffed Goods/Services	Active or Passive	Total Revenue Derived from Non-tariffed Goods/ Services (by account)	Revenue Account Number	Total Expenses Incurred to Provide Non-tariffed Goods/ Services (by account)	Expense Account Number	Advice Letter and/or Resolution Number Approving Non-tariffed Goods/ Services	Total Income Tax Liability Incurred Because of Non-tariffed Goods/ Services (by account)	Income Tax Liability Account Number	Gross Value of Regulated Assets Used in the Provision of a Non-tariffed Goods/ Services (by account)	Regulated Asset Account Number
	Operating and Maintenance Contracts	Active	See Attached	526	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Antenna Leases	Passive	See Attached	522	N/A	N/A	N/A	N/A	N/A	N/A	N/A

See Attachments for additional detail

**California-American Water Company**  
**Addendum to Schedule Excess Capacity and Non-Tariffed Services**  
**NTP&S Projects**  
**12/31/2015**

<u>Name of Contract/Service</u>	<u>Active or Passive</u>	<u>Gross Revenue</u>	<u>Revenue Sharing</u>
<b>Operating and Maintenance Contracts</b>			
Wildwings	Active	349,431.90	(34,943.19)
<b>Total O&amp;M Contracts</b>		<b>349,431.90</b>	<b>(34,943.19)</b>
<b>Antenna &amp; Real Property Leases</b>			
Cingular (1)	Passive	(45,863.76)	(13,759.13)
Cricket Communications (2)	Passive	(63,480.00)	(19,044.00)
MetroPCS (3)	Passive	(96,560.88)	(28,968.26)
*Nextel	Passive	(17,280.00)	(5,184.00)
Sprint United Management Co. (1)	Passive	(22,258.92)	(6,677.68)
Sprint (f/k/a Clear Wireless) (1)	Passive	(24,000.00)	(7,200.00)
Verizon Wireless (1)	Passive	(61,486.56)	(18,445.97)
*XM Satellite Radio	Passive	79,900.00	23,970.00
*Real Property Leases	Passive	(9,000.00)	(2,700.00)
<b>Total Antenna &amp; Real Property Leases</b>		<b>(260,030.12)</b>	<b>(78,009.04)</b>

\* Represent accounting errors for billings that continued after contracts were terminated or expired or reversals for prior year billings that continued after contracts were terminated or expired.

2015 Annual Report of California-American Water Company  
to the California Public Utilities Commission

**ATTACHMENT A**

**2015 ANNUAL REPORT OF NTP&S PROJECTS**

In accordance with Rule X.E of the Modified Rules for Water and Sewer Utilities Regarding Affiliate Transactions and the Use of Regulated Assets for Non-Tariffed Utility Services (Appendix A of D.12-01-042) (“Rules”), California-American Water Company (“CAWC”) provides the following information, in addition to the information provided in its Excess Capacity and Non-Tariffed Services schedule, regarding its Non-tariffed Products and Services (“NTP&S”):

**I. Descriptions of NTP&S Activities:**

A. Antenna Leases/License Agreements. During calendar year 2015, CAWC had a total of nine (9) antenna leases/license agreements with six (6) different carriers for various locations in its San Diego, and Monterey County Districts. Under these agreements, cellular service providers install, maintain and operate their antennas and appurtenances on CAWC properties without interference to normal day-to-day operations.

B. Operation and Maintenance Agreements. During calendar year 2015, CAWC had one (1) operation and maintenance (“O&M”) agreement in its Sacramento County District. Under the O&M agreement, CAWC operated and maintained water and water recycling systems for a third party.

**II. Classification of NTP&S Activities**

All NTP&S activities described above were classified as “active” or “passive” in accordance with the table: “Designation of Active and Passive NTP&S Water and Sewer Utility Projects” (see page A-16 of the Rules). All of the above activities pre-dated the effective date of the Rules and therefore no notice was required under Rule X.F.

**III. Regulated Assets and Personnel Used for the NTP&S:**

A. Antenna Leases/License Agreements. Antennas and their associated appurtenances are typically mounted on elevated water tanks, co-located on utility poles with CAWC communications facilities, or installed on the grounds of utility sites. No other regulated assets were used for these agreements. No CAWC personnel provided services for these agreements.

B. Operation and Maintenance Contract. No regulated assets were used for the O&M contract. The equivalent of one full-time Water Treatment Operator III provides services for this activity. The associated labor is not included in the revenue requirement for the Sacramento District.

## GENERAL INFORMATION

- 1 Name under which utility is doing business:  
California-American Water Company
- 2 Official mailing address:  
1033 B Avenue, Suite 200, Coronado, CA ZIP 92118
- 3 Name and title of person to whom correspondence should be addressed:  
Robert MacLean, President Telephone 1-619-522-6360
- 4 Address where accounting records are maintained:  
131 Woodcrest Road, Cherry Hill, NJ 08003
- 5 Service Area (Refer to district reports if applicable):  
See District Reports
- 6 Service Manager (If located in or near Service Area.) (Refer to district reports if applicable.)  
Name: See District Reports  
Address: \_\_\_\_\_ Telephone: \_\_\_\_\_
- 7 OWNERSHIP. Check and fill in appropriate line:  
 Individual (name of owner) \_\_\_\_\_  
 Partnership (name of partner) \_\_\_\_\_  
 Partnership (name of partner) \_\_\_\_\_  
 Partnership (name of partner) \_\_\_\_\_  
 Corporation (corporate name) California-American Water Company  
Organized under laws of (state) California Date: 12/7/1965
- Principal Officers:  
Robert G MacLean President  
Jeffrey Dana VP Finance & Treasurer  
Kevin Tilden VP External Affairs  
Richard Svindland VP Operations  
Lilian Wilkison VP Human Resources  
Anthony Cerasuolo VP Legal - Operations & Secretary  
Deana L. Donohue VP - Engineering  
Sarah Leeper VP Legal - Regulatory & Assistant Secretary  
Lori Girard Assistant Secretary  
Stacey Fulter Assistant Treasurer
- 8 Names of associated companies:  
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\_\_\_\_\_
- 9 Names of corporations, firms or individuals whose property or portion of property have been acquired during the year, together with date of each acquisition:  
Dunnigan Water Works Date: December 31, 2015  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- 10 Use the space below for supplementary information or explanations concerning this report:  
None
- 11 List Name, Grade, and License Number of all Licensed Operators:  
See Attached List
12. List Name, Address, and Phone Number of your company's external auditor:  
Name: PricewaterhouseCoopers, LLP Telephone 267 330-3000  
Address: 2001 Market St. Suite 1700 Philadelphia, PA 19103

**California American Water  
Northern Division  
Certified Water Treatment And Distribution Operators**

Sacramento District and Larkfield		WATER DISTRIBUTION			WATER TREATMENT			WASTEWATER TREATMENT		
As of 4/6/16		SWRCB			SWRCB			SWRCB		
Name	Position (Required Cert)	Grade	Opr #	Exp Date	Grade	Opr #	Exp Date	Grade	Opr #	Exp Date
Avery, Braden	Meter Reader (None)									
Bell, Jared	Water Treatment Foreman (D2 & T3)	D2	8988	4/1/2018	T3	23413	3/1/2017	-	-	-
Biedenbender, Dayton	Distribution System Operator (D2)	D4	36752	2/1/2019	T2	31380	2/1/2019	-	-	-
Burke, Tyler	Distribution System Operator (D2)	D2	41077	5/1/2018	T2	33238	7/1/2017	-	-	-
Casebier, Steve	Water Treatment Operator III (D2 & T3)	D2	14641	12/1/2018	T3	12161	12/1/2016	WW2	11-28594	6/30/2017
Christenson, Dan	Sr. Distribution System Op (D2 & Class A)	D2	14642	8/1/2018	-	-	-	-	-	-
Claxton, Rodney	Sr. Distribution System Op (D2 & Class A)	D2	35736	4/1/2018	-	-	-	-	-	-
Cokley, Jirasak	Sr. Serviceperson (D1)	D2	32983	5/1/2019	-	-	-	-	-	-
Coleman, Terry	Sr. Field CS - Cross Connection (D2/CC/BF)	D2	29308	1/1/2019	T2	29889	7/1/2017	-	-	-
Eastman, Billy	Distribution System Operator (D2)	D3	36614	1/1/2018	-	-	-	-	-	-
Epps, Brian	Water Treatment Operator III (D2 & T3)	D4	5831	4/1/2018	T4	10786	11/1/2016	-	-	-
Fackrell, Orson	Water Treatment Operator III (D2 & T3)	D2	37187	11/1/2018	T3	22768	8/1/2019	WW1	28548	6/30/2017
Fernandez, David	Serviceperson (None)	-	-	-	-	-	-	-	-	-
Folsom, Bryan	Distribution System Operator (D2)	D2	43927	5/1/2017	-	-	-	-	-	-
Fuller, Mike (missing BF)	Serviceperson Foreman (D2/CC/BF)	D2	27713	6/1/2019	T1	27574	7/1/2018	-	-	-
Garcia, Oscar Avalos	Distribution System Opr-Meters (D2)	D2	44699	11/1/2017	-	-	-	-	-	-
Haile, Michael	Field Service Representative									
Hannon, M. "Sonny"	Water Treatment Operator III (D2 & T3)	D4	36062	8/1/2017	T4	29121	3/1/2019	-	-	-
Jones-Wicks, Joseph	Distribution System Opr-Meters (D2)	D2	42391	5/1/2018	-	-	-	-	-	-
Lopez, Arturo	Serviceperson (None)	-	-	-	-	-	-	-	-	-
Magallon Jr., Javier	Serviceperson (None)	-	-	-	-	-	-	-	-	-
Martin, Jose L.	Distribution System Operator (D2)	D2	35984	4/1/2018	-	-	-	-	-	-
Mendez, Vincent A.	Serviceperson (None)	-	-	-	-	-	-	-	-	-
Nylander, Kevin	Distribution System Operator (D2)	D2	43299	12/1/2016	T2	35773	1/1/2017	-	-	-
Olivarez, Oscar	Distribution Foreman (D2 & Class A)	D2	20175	6/1/2018	-	-	-	-	-	-
Perez, Osvaldo	Distribution Foreman - Meters (D2)	D2	36023	4/1/2018	-	-	-	-	-	-
Pettit, Derek	Water Treatment Operator III (D2 & T3)	D2	39615	6/1/2017	T3	33419	4/1/2018	WW2	39884	9/9/2016
Polillo, Stephen	Distribution System Operator (D2)	D2	40442	12/1/2017	-	-	-	-	-	-
Sanborn, Daniel	Water Treatment Operator II (D2 & T2)	D3	35324	6/1/2017	T2	36204	6/1/2017	-	-	-
Silvas, Jered	Water Treatment Operator II (D2 & T2)	D2	33341	10/1/2019	T2	35725	7/1/2019	-	-	-
Tarp, Ronald D.	Water Treatment Operator II (D2 & T2)	D2	28238	4/1/2019	T2	27634	7/1/2017	-	-	-
Torres, Hector	Distribution System Opr-Meters (D2)	D2	38696	3/1/2017	-	-	-	-	-	-
Trotter, Craig	Sr. Distribution System Op (D2 & Class A)	D5	33347	7/1/2017	T2	29901	7/1/2017	-	-	-
Trush, Daniel	Water Treatment Operator III (D2 & T3)	D3	20176	7/1/2018	T3	27672	4/1/2019	-	-	-
Valtman, Mark	Water Treatment Operator II (D2 & T2)	D2	9805	6/1/2018	T2	26107	7/1/2018	-	-	-
Villasenor, Noe	Water Treatment Operator II (D2 & T2)	D2	20177	1/1/2019	T2	27637	7/1/2018	-	-	-
Webster, Joshua	Water Treatment Foreman (D2 & T3)	D2	33353	10/1/2016	T3	28576	8/1/2018	-	-	-
Wilson, Nick J.	Water Treatment Operator III (D2 & T3)	D4	28338	2/1/2018	T4	29297	6/1/2018	WW1	41940	10/26/2017
Amini, Al	Electrician	-	-	-	33208	7/1/2017	7/1/2017	-	-	-
Baril, Christina	WQ & EC Specialist II	D2	46329	12/1/2018	37442	6/1/2018	6/1/2018	-	-	-
Brunet, Thomas	Sr. Manager, Project Development	-	-	-	33666	12/1/2017	12/1/2017	-	-	-
Cheek, Jason	Water System Operator	D4	35346	6/1/2017	28808	4/1/2017	4/1/2017	-	-	-
Crowther, Chris	Water Systems Operator	D4	26990	12/1/2017	22906	4/1/2018	4/1/2018	-	-	-
DiGenova, Margaret	Operations Superintendent	D3	25883	1/1/2017	25767	4/1/2018	4/1/2018	-	-	-
Diller, John	Sr. Specialist Maint Service	-	-	-	6360	7/1/2017	7/1/2017	-	-	-
Flint, Kevin L.	Supvr Opns I	D3	31038	9/1/2017	-	-	-	-	-	-
Garcia, Gilfourthson	Operations Engineer	D2	37238	1/1/2019	32136	7/1/2019	7/1/2019	-	-	-
Garcia, Mariano	Electrician	-	-	-	33127	7/1/2017	7/1/2017	-	-	-
Kehoe, Casey	Water System Operator	D2	43587	5/1/2017	35132	2/1/2019	2/1/2019	-	-	-
Kunda, Victoria	Mgr, WQ & EC	D2	45911	10/1/2018	37548	7/1/2018	7/1/2018	-	-	-
Whitaker, James	Supvr Opns I	D2	27260	2/1/2019	23603	1/1/2019	1/1/2019	WW5	9973	6/30/2017



CALIFORNIA AMERICAN WATER  
System Permit Requirements  
Operator Certifications

Monterey County District		WATER DISTRIBUTION				WATER TREATMENT				WASTEWATER			
		State Water Resources Control Board				State Water Resources Control Board				State Water Resources Control Board			
Name	Classification	Number	Grade	Renewal	Expiration	Number	Grade	Renewal	Expiration	Number	Grade	Renewal	Expiration
Adams, Erik	Laboratory Technician												
Aguilera, Veronica	CSR/Teller	46694	2	1/1/2019	5/1/2019	38079	2	9/1/2018	1/1/2019				
Aliganga, Alexander M.	Customer Serviceperson	38706	2	2/1/2017	6/1/2017					42552	OIT -I	3/20/2015	3/20/2017
Almanza, Salvador S.	Utility Worker II	10261	2	11/1/2017	3/1/2018								
Alvarez, Antonio	Treatment Plant Operator II	42938	2	7/1/2016	11/1/2016	36509	2	3/1/2017	7/1/2017				
Andalon, Gerardo	Customer Serviceperson	46386	1	8/1/2018	12/1/2018								
Arveson, Leonard	Treatment Plant Operator II	5639	3	11/1/2017	3/1/2018	15717	2	2/1/2019	6/1/2019				
Barber, Mark L.	Pump Operator	30292	1	9/1/2017	1/1/2018								
Beltran, Jaime	Meter Repair Tech	46204	1	7/1/2018	11/1/2018								
Benson, Michael	Customer Service Rep/Teller												
Bricker Jr., James P.	Wastewater Foreman	25659	2	9/1/2018	1/1/2019	25090	2	9/1/2018	1/1/2019	10743	3		6/30/2017
Burritt, George V.	Treatment Plant Operator II	15007	4	8/1/2017	12/1/2017	23813	3	4/1/2017	8/1/2017	10381	2		12/31/2017
Bustamante, Sergio	Treatment Plant Operator III	28246	2	8/1/2016	12/1/2016	27682	3	6/1/2017	10/1/2017				
Ceballos, Raymond M.	Utility Worker I	31501	1	6/1/2018	10/1/2018								
Cervantes, Jose	Meter Reader												
Chargin, Brenda S.	Wastewater Plant Operator II	27892	2	12/1/2016	4/1/2017	26213	2	9/1/2016	1/1/2017	28734	2	8/31/2017	12/31/2017
Companion, Jason	Engineering Tech												
Coppla, Robert T.	Treatment Plant Operator Foreman	4944	4	11/1/2017	3/1/2018	14839	4	10/1/2016	2/1/2017				
Corda, Martin	Sr. Specialist ORM	23007	2	7/1/2017	11/1/2017	27885	2	4/1/2018	8/1/2018				
Crooks, Ian	Mrg Engineering - Project Delivery												
Cruz-Gonzalez, Ronaldo	Wastewater Plant Operator II	37408	2	1/1/2019	5/1/2019	31644	1	10/1/2018	2/1/2019	28727	2		6/30/2018
Curtice, Luke E.	Utility Worker II	9606	2	4/1/2018	8/1/2018								
Daniels, Gregory S.	Wastewater Plant Operator II	31348	2	3/1/2018	7/1/2018					10191	2		6/30/2016
De Ocampo, Raymond T.	Laboratory Technician Grade III												
Deese, Joshua J.	Utility Worker I	38093	1	2/1/2019	6/1/2019								
DiMaggio, Joseph L.	Operations Supervisor	9607	2	4/1/2018	8/1/2018								
Dolor, Raymundo C.	Water Conservation Specialist, Lead												
Dorsey, Nester T.	Pump Operator II	7178	2	4/1/2018	8/1/2018								
Draeger, Randal M.	Utility Worker II	9837	3	4/1/2018	8/1/2018								
Eldridge, Ron L.	Pump Operator II	4547	2	4/1/2018	8/1/2018								
Fox, Harriet	Water Conservation Specialist	43219	1	7/1/2016	11/1/2016								
Fugitt, David A.	Pump Operator III	4549	4	12/1/2017	4/1/2018	9697	3	1/1/2019	5/1/2019				
Gamboa, Tino M.	Utility Worker II	7356	3	3/1/2018	7/1/2018								
Garza, Ernesto	Sr Specialist Maint Service	27751	1	2/1/2019	6/1/2019								
Glass, Patricia M.	Production Specialist	29978	1	8/1/2017	12/1/2017	27417	1	11/1/2017	3/1/2018				
Gonzalez, Julio Aman	Sr. Project Engineer												
Hartley, Jeffery	Wastewater Plant Operator IV	6859	3	11/1/2017	3/1/2018	9700	2	2/1/2019	6/1/2019	4477	4		12/31/2017
Hosfelt, Michael E.	Pump Operator II	14991	2	1/1/2018	5/1/2018	9856	2	3/1/2019	7/1/2019				
Jacobson, Susan	Specialist Water Quality II	25707	1	5/1/2018	9/1/2018	25344	2	2/1/2017	6/1/2017				
James, Robert	Operations Supervisor					11633	3	4/1/2017	8/1/2017				
Jaquay, Preston	Operations Supervisor												
Johns, Arzell	Pump Operator II	14992	2	4/1/2018	8/1/2018	16246	1	7/1/2017	11/1/2017				
Kendrick, Bowen	Operations Supervisor	43619	2	1/1/2017	5/1/2017								
Kolonics, Andrew J.	Backhoe Operator	14940	2	4/1/2018	8/1/2018	12828	1	11/1/2016	3/1/2017				
La Sala, Vincent B.	Small Crew Foreman	9603	3	8/1/2018	12/1/2018								
Lashley, Charles E.	Utility Worker I	28813	1	10/1/2016	2/1/2017								
Lau, Helen	Environmental Quality Specialist II	41637	2	1/1/2018	5/1/2018	35831	2	2/1/2018	6/1/2018				
Lemon, Edie	Administrative Assistant - Operations	43143	1	7/1/2016	11/1/2016								
Little, Rose	Administrative Assistant												
Magretto, Mike	Business Performance Manager	4552	5	10/1/2018	2/1/2019	12255	5	5/1/2018	9/1/2018	43059	OIT-I		8/31/2017
Marseguerra, Michael	Warehouse Technician	4553	3	3/1/2018	7/1/2018	15837	1	12/1/2016	4/1/2017				
Martignoni, Michael	Wastewater Plant Operator II									28691	2		6/30/2018

CALIFORNIA AMERICAN WATER  
System Permit Requirements  
Operator Certifications

Monterey County Distict		WATER DISTRIBUTION				WATER TREATMENT				WASTEWATER			
		State Water Resources Control Board				State Water Resources Control Board				State Water Resources Control Board			
Name	Classification	Number	Grade	Renewal	Expiration	Number	Grade	Renewal	Expiration	Number	Grade	Renewal	Expiration
Martin, James E.	Utility Worker II	6709	3	12/1/2017	4/1/2018								
Martin, James A.	Meter Reader	46991	1	1/1/2019	5/1/2019								
Maschmeyer, Kelly	Water Conservation Specialist	43208	2	1/1/2019	5/1/2019	37976	2	9/1/2018	1/1/2019				
Mathews, Christian	Operations Supervisor	32693	3	3/1/2018	7/1/2018								
McBride, Nate	Treatment Plant Operator IV	33766	3	7/1/2017	11/1/2017	29974	4	6/1/2017	10/1/2017				
McCarter, Jason	Utility Worker II	42903	2	8/1/2017	12/1/2017	37995	2	9/1/2018	1/1/2019				
McKenzie, Thomas G.	Utility Worker II	10262	2	3/1/2018	7/1/2018								
Miller, Nina	WQ/EC Manager	46275	1	7/1/2018	11/1/2018								
Moreno, Cleotilde J.	Pump Operator	29846	2	12/1/2018	4/1/2019	28785	1	3/1/2019	7/1/2019				
Moss, Robert	Wastewater Plant Operator II	43035	2	1/1/2019	5/1/2019	35056	2	9/1/2018	1/1/2019	41116	2		11/20/2016
Munguia, Victor	Customer Serviceperson	37969	1	2/1/2019	6/1/2019								
Murdock, Mitchell E.	Wastewater Plant Operator III					25192	2	3/1/2017	7/1/2017	6228	3		1/30/2018
Navar, Sal	Meter Reader Coordinator												
Nichols, James G. M.	Production Foreman IV	4555	4	4/1/2018	8/1/2018	18498	2	9/1/2018	1/1/2019				
Olis, Danny	Customer Serviceperson												
Phillips, Christopher	Meter Reader												
Phillips, George F.	Small Crew Foreman II	14947	2	1/1/2018	5/1/2018								
Ramirez, Justin P.	Utility Worker II	36850	2	10/1/2016	2/1/2017								
Rappa, Paul M.	Small Crew Foreman III	4954	3	4/1/2018	8/1/2018								
Rea, Andres	Draftsperson	43037	2	7/1/2018	11/1/2018	38098	1	9/1/2018	1/1/2019				
Reynoso, Jesus A.	Customer Serviceperson	37636	1	1/1/2019	5/1/2019								
Richins, Michael J.	Sr Specialist Maint Service	25765	1	12/1/2017	4/1/2018	24822	1	8/1/2017	12/1/2017				
Riso, Joseph J.	Small Crew Foreman III	5407	3	11/1/2017	3/1/2018								
Rudolph, Christopher	Treatment Plant Operator II	46053	2	1/1/2019	5/1/2019	37326	2	9/1/2018	1/1/2019				
Russo, David W.	Pump Operator II	15548	2	4/1/2018	8/1/2018	10963	1	6/1/2017	10/1/2017				
Sabolsice, Eric	Director of Operations												
Silva, Lesley	Project Manager Engineering	5410	5	12/1/2018	4/1/2019	35398	2	3/1/2019	7/1/2019				
Smith, Matthew A.	Treatment Plant Operator II	44402	2	7/1/2018	11/1/2018	36985	2	3/1/2018	7/1/2018				
Terry, Ryan	Treatment Plant Operator	44069	2	2/1/2017	6/1/2017	33948	2	5/1/2016	9/1/2016				
Torrente, Vincent	Small Crew Foreman III	4958	3	4/1/2018	8/1/2018								
Ward, Melissa	Water Conservation Specialist	43254	2	1/1/2019	5/1/2019	37841	2	9/1/2018	1/1/2019				
Wigg, Cornelius	Customer Serviceperson	38796	1	11/1/2016	3/1/2017								

California-American Water  
System Permit Requirements  
Operator Certifications

Los Angeles		WATER DISTRIBUTION			WATER TREATMENT		
		California Department of Public Health			DPH		
Name	Classification	Number	Grade	Expiration	Number	Grade	Expiration
Amarillas, Daniel	Utility Worker	37541	3	11/1/2017	37624	2	1/1/2019
Anderson, William	Sr Customer Service Representative	15392	2	8/1/2018			
Arenas, Raymond	Meter Reader	39788	1	8/1/2017			
Baker, Aimee	Administrative Assistant	45270	1	5/1/2018			
Calderon-Flores, Adrian	Water Conservation Rep II	42184	2	5/1/2019	35338	2	7/1/2019
Cruz, Joe	Utility Worker II	29086	2	8/1/2016			
Echevarria, Herminio	Equipment Operator	7698	3	4/1/2018			
Gonzales, Jesus	Utility Worker	32688	1	4/1/2016			
Grindeland, Daryl	Utility Worker II	3710	2	4/1/2018			
Hofer, Garry	Director of Operations	36678	2	11/1/2017	34072	2	1/1/2018
Hori, Beverly	Operations Supervisor	4539	2	4/1/2017			
Knapp, Jessica	Operations Specialist	44992	1	3/1/2018			
Lefler, Dean	Operations Supervisor-Cust. Service	5149	4	11/1/2015	14100	2	7/1/2018
Marcinko, Joseph	WQ & Environmental Compliance Mgr	27530	4		24919	4	2/1/2017
Marini, Erminio	Senior Pump Operator	29529	5	2/1/2017	19694	4	10/1/2017
McKeehan, Everett	Utility Worker II	3863	3	4/1/2018			
Morgan, Dennis	Pump Operator	5558	3	3/1/2018	33794	2	1/1/2018
Mullins, Timothy	Distribution Foreman	5345	3	7/1/2015	32625	2	1/1/2018
Navarro, Josue	Utility Worker	44669	2	11/1/2017	37804	1	1/1/2019
Nieto, Christopher	Meter Reader						
Playter, Tim	Utility Worker II	39420	4	12/1/2017	33803	2	1/1/2018
Reifer, Mark	Planning Engineer	41966	2	12/1/2015			
Rojas, Eric	Pump Operator	2872	4	12/1/2017	27190	2	1/1/2018
Romero, Louie	Operations Supervisor-Prod & Dist	2872	3	6/1/2018			
Rosa, Matthew	Meter Reader	42568	1	5/1/2016			
Salcido, Michelle	Meter Reader	42758	2	5/1/2018			
Slusser, Christopher	Field Clerk/Utility Person	5077	2	4/1/2018			
Strommen, Dan	Pump Operator	5360	3	4/1/2018	23042	2	5/1/2019
Tanaka, Richard	Production Foreman	44973	1	3/1/2018	31796	2	1/1/2018
Warfield, William	Customer Service Representative	22953	1	2/1/2018			
Welton, Jon	Equipment Operator	4106	2	4/1/2018			

California-American Water  
System Permit Requirements  
Operator Certifications

Ventura		WATER DISTRIBUTION			WATER TREATMENT		
		SWRCB			SWRCB		
Name	Position	Grade	Operator #	Expiration	Grade	Operator #	Expiration
Adams, Brandon	Laborer	D2	45131	05/01/18	T2	37259	06/01/08
Avila, Jordan	Laborer						
Barajas, Emanuel	Utility Worker	D3	32894	05/01/18	T2	36856	06/01/18
Boyle, Tom	Operations Supervisor	D2	7131	09/01/18	T2	19605	05/01/19
Estrada, Henry	Utility Worker	D3	4355	03/01/18	T1	23449	05/01/19
Hilbert, Mike	Utility Worker	D2	15436	05/01/18	T1	24045	11/01/19
Lugo, Edgar	Utility Worker	D3	40242	01/01/18	T1	37024	02/01/18
Molina, Henry	Utility Worker	D2	28797	01/01/18	T1	30251	01/01/18
Powers, Justin	Utility Worker	D1	43088	11/01/16	---	---	---
Roldan, Joe	Pump Operator	D3	5139	04/01/18	T1	19732	06/01/17
Saldivar, Richard	Operations Manager	D2	10054	06/01/18	---	---	---
Trejo, Steven	Utility Worker	D3	39742	08/01/17	T2	33954	07/01/16
Victorero, Robert	Utility Worker	D2	14215	05/01/18	---	---	---
Weiss, Bill	Operations Specialist	D3	4445	03/01/18	T1	20020	06/01/17
Williams, Jennifer	Operations Supervisor	D5	14217	04/01/17	T2	23062	05/01/19

California-American Water  
System Permit Requirements  
Operator Certifications

Coronado		WATER DISTRIBUTION			WATER TREATMENT			WASTEWATER			BACKFLOW Devise		Cross Connection	
Name	Position	SWRCB			SWRCB			SWRCB			Certified Tester		Specialist	
		Grade	Operator #	Expiration	Grade	Operator #	Expiration	Grade	Operator #	Expiration	Operator #	Expiration	Certification #	Expiration
Becerra, Robert	Operations Sup	D3	9497	8/1/2017	T1	23802	11/1/2016	---	---	---	11492	12/31/2018		
Bennett, Eric	Utility Worker	D2	41662	12/1/2017	T1	36107	4/1/2017							
Cervantes, Havier	Utility Worker	D2	32353	11/1/2017	T1	35557	8/1/2019							
Corrales, Luis	Utility Worker	D2	42594	11/1/2017										
Dyson, Kyeim	Meter Reader													
Garcia, Estevan	Utility Worker	D3	39144	2/1/2018	T1	35697	1/1/2017							
Garcia, Victor	Foreman	D4	9065	5/1/2018	T2	23461	8/1/2017							
Hernandez, Charlie	Meter Reader	D2	10032	6/1/2018										
Lopez, Peter	Laborer	D2	40527	12/1/2017										
McKenzie, Richard	Utility Worker	D3	41617	8/1/2017	T2	34899	7/1/2019							
Mattis, Chris	Operations Mgr	D5	4017	6/1/2018	T2	14655	6/1/2017						00255	1/31/2018
Miller, Brian	Cust Field Rep	D2	17913	10/1/2017										
Nessman, Chris	Operations Spec	D3	9246	1/1/2018	T2	24861	1/1/2017				05-01458	3/19/2019	S05-00268	5/18/2016
Nevarez, Leonardo	Utility Worker	D2	26731	12/1/2016	T1	25851	7/1/2016							
Peraza, Jose L.	Laborer	D1	46657	5/1/2019										
Salas, Martin	Utility Worker	D3	27111	7/1/2016	T1	32655	1/1/2017							
Saldana, Cristina	Conservation													
Santoyo, Gabriel	Foreman	D3	18809	8/1/2018	T1	25454	1/1/2019							
Schuler, Matthew	Utility Worker	D3	39625	6/1/2017	T2	34387	7/1/2019							
Valdez, Ritchie	Utility Worker	D2	30205	1/1/2019	T1	33275	7/1/2017							

**SCHEDULE A  
COMPARATIVE BALANCE SHEETS  
Assets and Other Debits**

Line No.	Acct.	Title of Account (a)	Schedule No. (b)	Balance End-of-Year (c)	Balance Beginning of Year (d)
1		<b>I. UTILITY PLANT</b>			
2	100	Utility plant	A-1	927,616,932	865,881,543
3	107	Utility plant adjustments		3,651,852	3,651,852
4		Total utility plant		931,268,784	869,533,395
5	250	Reserve for depreciation of utility plant	A-3	290,846,240	275,451,362
6	251	Reserve for amortization of limited term utility investments	A-3	12,333	11,333
7	252	Reserve for amortization of utility plant acquisition adjustment	A-3	1,976,137	1,869,054
8		Total utility plant reserves		292,834,710	277,331,749
9		Total utility plant less reserves		638,434,073	592,201,646
10					
11		<b>II. INVESTMENT AND FUND ACCOUNTS</b>			
12	110	Other physical property	A-2	1,852,040	2,046,417
13	253	Reserve for depreciation and amortization of other property	A-3	68,625	303,490
14		Other physical property less reserve		1,783,415	1,742,927
15	111	Investments in associated companies	A-4	-	-
16	112	Other investments	A-5	-	-
17	113	Sinking funds	A-6	-	-
18	114	Miscellaneous special funds	A-7	-	-
19		Total investments and fund accounts		1,783,415	1,742,927
20					
21		<b>III. CURRENT AND ACCRUED ASSETS</b>			
22	120	Cash		140,057	180,440
23	121	Special deposits	A-8	62,866	42,874
24	122	Working funds		2,562	2,672
25	123	Temporary cash investments		-	-
26	124	Notes receivable	A-9	-	-
27	125	Accounts receivable		10,762,375	11,494,482
28	126	Receivables from associated companies	A-10	245,420	913,305
29	131	Materials and supplies		742,821	679,413
30	132	Prepayments	A-11	796,399	1,321,368
31	133	Other current and accrued assets	A-12	9,172,520	11,773,853
32		Total current and accrued assets		21,925,021	26,408,408
33					
34		<b>IV. DEFERRED DEBITS</b>			
35	140	Unamortized debt discount and expense	A-13	2,712,371	2,518,792
36	141	Extraordinary property losses	A-14	-	-
37	142	Preliminary survey and investigation charges		-	-
38	143	Clearing accounts		-	-
39	145	Other work in progress		-	-
40	146	Other deferred debits	A-15	255,135,358	210,114,153
41		Total deferred debits		257,847,729	212,632,945
42		Total assets and other debits		919,990,238	832,985,926
43					

**SCHEDULE A  
COMPARATIVE BALANCE SHEETS  
Liabilities and Other Credits**

Line No.	Acct.	Title of Account (a)	Schedule No. (b)	Balance End-of-Year (c)	Balance Beginning of Year (d)
1		<b>I. CORPORATE CAPITAL AND SURPLUS</b>			
2	200	Common capital stock	A-18	92,477,914	92,477,914
3	201	Preferred capital stock	A-18	-	-
4	202	Stock liability for conversion		-	-
5	203	Premiums and assessments on capital stock	A-19	-	-
6	150	Discount on capital stock	A-16	-	-
7	151	Capital stock expense	A-17	-	-
8	270	Capital surplus	A-20	172,708,816	167,548,295
9	271	Earned surplus	A-21	61,218,624	54,205,309
10		Total corporate capital and surplus		326,405,354	314,231,518
11					
12		<b>II. PROPRIETARY CAPITAL</b>			
13	204	Proprietary capital (Individual or partnership)	A-22	-	-
14	205	Undistributed profits of proprietorship or partnership	A-23	-	-
15		Total proprietary capital		-	-
16					
17		<b>III. LONG-TERM DEBT</b>			
18	210	Bonds	A-24	288,632,696	269,014,032
19	211	Receivers' certificates		-	-
20	212	Advances from associated companies	A-25	-	-
21	213	Miscellaneous long-term debt	A-26	-	-
22		Total long-term debt		288,632,696	269,014,032
23					
24		<b>IV. CURRENT AND ACCRUED LIABILITIES</b>			
25	220	Notes payable	A-28	45,184,003	31,508,298
26	221	Notes receivable discounted		-	-
27	222	Accounts payable		23,777,390	19,248,707
28	223	Payables to associated companies	A-29	10,261,078	524,013
29	224	Dividends declared		-	-
30	225	Matured long-term debt		10,001,324	502
31	226	Matured interest		-	-
32	227	Customers' deposits		-	-
33	228	Taxes accrued	A-31	(3,354,322)	7,224,505
34	229	Interest accrued		2,200,506	1,712,601
35	230	Other current and accrued liabilities	A-30	17,376,026	20,305,175
36		Total current and accrued liabilities		105,446,006	80,523,801
37					
38		<b>V. DEFERRED CREDITS</b>			
39	240	Unamortized premium on debt	A-13	-	-
40	241	Advances for construction	A-32	15,948,679	15,732,850
41	242	Other deferred credits	A-33	121,667,324	92,872,691
42		Total deferred credits		137,616,003	108,605,541
43					
44		<b>VI. RESERVES</b>			
45	254	Reserve for uncollectible accounts	A-34	984,822	939,207
46	255	Insurance reserve	A-34	-	-
47	256	Injuries and damages reserve	A-34	-	-
48	257	Employees' provident reserve	A-34	-	-
49	258	Other reserves	A-34	96,998	-
50		Total reserves		1,081,820	939,207
51					
52		<b>VII. CONTRIBUTIONS IN AID OF CONSTRUCTION</b>			
53	265	Contributions in aid of construction	A-35	60,808,360	59,671,827
54		Total liabilities and other credits		919,990,238	832,985,926

**SCHEDULE B**  
**Income Account for the Year**

Line No.	Acct.	Account (a)	Schedule Page No. (b)	Amount (c)
1		<b>I. UTILITY OPERATING INCOME</b>		
2	501	Operating revenues	B-1	197,867,870
3				
4		Operating Revenue Deductions:		
5	502	Operating expenses	B-2	112,541,915
6	503	Depreciation	A-3	19,729,185
7	504	Amortization of limited-term utility investments	A-3	(3,617,754)
8	505	Amortization of utility plant acquisition adjustments	A-3	107,083
9	506	Property losses chargeable to operations	B-3	-
10	507	Taxes	B-4	27,169,244
11		Total operating revenue deductions		155,929,672
12		Net operating revenues		41,938,198
13	508	Income from utility plant leased to others		-
14	510	Rent for lease of utility plant		-
15		Total utility operating income		41,938,198
16				
17		<b>II. OTHER INCOME</b>		
18	521	Income from nonutility operations (Net)	B-6	419,252
19	522	Revenue from lease of other physical property		165,170
20	523	Dividend revenues		-
21	524	Interest revenues		853,365
22	525	Revenues from sinking and other funds		-
23	526	Miscellaneous nonoperating revenues	B-7	1,134,201
24	527	Nonoperating revenue deductions - Dr.	B-8	(1,061,195)
25		Total other income		1,510,793
26		Net income before income deductions		43,448,991
27				
28		<b>III. INCOME DEDUCTIONS</b>		
29	530	Interest on long-term debt		15,151,448
30	531	Amortization of debt discount and expense		209,335
31	532	Amortization of premium on debt - Cr.		-
32	533	Taxes assumed on interest		-
33	534	Interest on debt to associated companies		-
34	535	Other interest charges	B-9	169,918
35	536	Interest charged to construction - Cr.		-
36	537	Miscellaneous amortization		-
37	538	Miscellaneous income deductions	B-10	1,176,450
38		Total income deductions		16,707,151
39		Net income		26,741,840
40				
41		<b>IV. DISPOSITION OF NET INCOME</b>		
42	540	Miscellaneous reservations of net income		-
43	N/A	CA-AM Corporate Allocated Return on Rate Base included in Acct 502		(2,797,539)
44		Balance transferred to Earned Surplus or		
45		Proprietary Accounts scheduled on page 21		29,539,379
46				



**SCHEDULE A-1**  
**Account 100 - Utility Plant**

Line No.	Acct	Title of Account (a)	Balance Beg of Year (b)	Additions During Year (c)	Retirements During Year (d)	Other Debits or (Credits) (e)	Balance End of Year (f)
1	100 - 1	Utility plant in service (Schedule A-1a)	804,074,576	46,423,187	(2,131,617)	2,000,000	850,366,146
2	100 - 2	Utility plant leased to others	-	-	-	-	-
3	100 - 3	Construction work in progress	60,344,772	65,875,622	-	(50,431,803)	75,788,591
4	100 - 4	Utility plant held for future use (Sch A-1c)	1,462,195	-	-	-	1,462,195
5	100 - 5	Utility plant acquisition adjustments	3,651,852	-	-	-	3,651,852
6	100 - 6	Utility plant in process of reclassification	-	-	-	-	-
7		Total utility plant	869,533,395	112,298,809	(2,131,617)	(48,431,803)	931,268,784

**SCHEDULE A-1a**  
**Account 100.1 - Utility Plant in Service**

Line No.	Acct	Title of Account (a)	Balance Beg of Year (b)	Additions During Year (c)	Retirements During Year (d)	Other Debits or (Credits) (e)	Balance End of Year (f)
1		<b>I. INTANGIBLE PLANT</b>					
2	301	Organization	163,335	-	-	-	163,335
3	302	Franchises and consents (Schedule A-1b)	418,180	-	-	-	418,180
4	303	Other intangible plant	683,366	49,608	-	-	732,974
5		Total intangible plant	1,264,881	49,608	-	-	1,314,489
6							
7		<b>II. LANDED CAPITAL</b>					
8	306	Land and land rights	5,992,420	293,677	-	-	6,286,097
9							
10		<b>III. SOURCE OF SUPPLY PLANT</b>					
11	311	Structures and improvements	7,124,183	3,798,967	-	-	10,923,150
12	312	Collecting and impounding reservoirs	2,407,921	27,830	-	-	2,435,751
13	313	Lake, river and other intakes	966,371	53,744	-	-	1,020,115
14	314	Springs and tunnels	-	-	-	-	-
15	315	Wells	34,016,364	1,187,989	(232,337)	-	34,972,016
16	316	Supply mains	12,334,079	189,691	(1,381)	-	12,522,389
17	317	Other source of supply plant	124,290	-	-	-	124,290
18		Total source of supply plant	56,973,208	5,258,222	(233,718)	-	61,997,712
19							
20		<b>IV. PUMPING PLANT</b>					
21	321	Structures and improvements	10,786,114	2,553,772	(25,197)	-	13,314,689
22	322	Boiler plant equipment	-	-	-	-	-
23	323	Other power production equipment	3,450,496	929,782	(0)	-	4,380,278
24	324	Pumping equipment	55,522,246	4,693,708	(384,076)	-	59,831,878
25	325	Other pumping plant	-	-	-	-	-
26		Total pumping plant	69,758,856	8,177,263	(409,273)	-	77,526,846
27							
28		<b>V. WATER TREATMENT PLANT</b>					
29	331	Structures and improvements	18,663,093	418,340	(37,515)	-	19,043,919
30	332	Water treatment equipment	50,470,102	3,264,132	(142,697)	-	53,591,537
31		Total water treatment plant	69,133,195	3,682,472	(180,211)	-	72,635,456

**SCHEDULE A-1a**  
**Account 100.1 - Utility Plant in Service (Continued)**

Line No.	Acct	Title of Account (a)	Balance Beg of Year (b)	Additions During Year (c)	Retirements During Year (d)	Other Debits or (Credits) (e)	Balance End of Year (f)
32		<b>VI. TRANSMISSION AND DIST. PLANT</b>					
33	341	Structures and improvements	1,373,509	931,798	-	-	2,305,307
34	342	Reservoirs and tanks	62,327,053	5,852,903	(638,884)	-	67,541,071
35	343	Transmission and distribution mains	283,658,737	9,413,771	(192,074)	-	292,880,434
36	344	Fire mains	151,374	-	-	-	151,374
37	345	Services	102,510,898	4,768,181	(165,007)	-	107,114,072
38	346	Meters	34,519,651	2,347,948	(136,345)	-	36,731,254
39	347	Meter installations	34,319,520	337,811	-	-	34,657,331
40	348	Hydrants	26,367,072	900,290	(8,398)	-	27,258,964
41	349	Other transmission and distribution plant	2,140,690	-	-	-	2,140,690
42		Total transmission and distribution plant	547,368,504	24,552,703	(1,140,708)	-	570,780,498
43							
44		<b>VII. GENERAL PLANT</b>					
45	371	Structures and improvements	8,269,497	1,042,429	(20,935)	-	9,290,990
46	372	Office furniture and equipment	23,198,362	1,954,069	(107,762)	-	25,044,670
47	373	Transportation equipment	1,043,504	-	-	-	1,043,504
48	374	Stores equipment	16,635	-	(682)	-	15,953
49	375	Laboratory equipment	329,210	134	-	-	329,344
50	376	Communication equipment	16,113,019	868,765	(33,609)	-	16,948,175
51	377	Power operated equipment	1,486,504	18,933	-	-	1,505,437
52	378	Tools, shop and garage equipment	1,665,317	59,972	(2,672)	-	1,722,616
53	379	Other general plant	1,142,153	240,673	(2,046)	-	1,380,779
54		Total general plant	53,264,201	4,184,975	(167,707)	-	57,281,470
55							
56		<b>VIII. UNDISTRIBUTED ITEMS</b>					
57	390	Other tangible property	319,312	224,267	-	-	543,579
58	391	Utility plant purchased	-	-	-	2,000,000	2,000,000
59	392	Utility plant sold	-	-	-	-	-
60		Total undistributed items	319,312	224,267	-	2,000,000	2,543,579
61		Total utility plant in service	804,074,577	46,423,187	(2,131,617)	2,000,000	850,366,147

**SCHEDULE A-1b**  
**Account 302 - Franchises and Consents**

Line No.	Name of Original Grantor (a)	Date of Grant (b)	Term in Years (c)	Date of Acquisition by Utility (d)	Amount at which Carried in Account <sup>1</sup> (e)
1	See Addendum				0
2					
3					
4					
5	Total				0

<sup>1</sup> The total should agree with the balance at the end of the year in Account 302 in Schedule A-1a Line 10.

**Schedule A-1b**

**Account 302 - FRANCHISES AND CONSENTS**

<u>NAME OF ORIGINAL GRANTOR</u>	<u>DATE OF GRANT</u>	<u>TERM IN YEARS</u>	<u>DATE OF ACQUISITION BY UTILITY</u>
City of Coronado/Constitutional Franchise	Prior to 10/11/1911	Perpetual	
City of San Gabriel Ordinance 515-C.S	1/1/1989	50	1/19/1939
City of San Marino Ordinance 03-1169	9/10/2001	15	9/10/1986
City of San Diego Ordinance 0-19283	6/30/2004	25	11/22/1935
City of Los Angeles Ordinance 179609	4/6/2008	10	6/10/1988
County of Monterey Ordinance 5231	2/14/1963	50	2/14/1963
City of Rosemead Ordinance 96	2/11/2014	25	6/26/1964
City of Seaside Ordinance 317	7/17/2003	25	12/11/1967
County of Ventura Ordinance 4032	1/11/2012	9	3/15/1960
County of Los Angeles Ordinance 2006-0044F	8/12/2006	15	10/21/1981
City of Bradbury Ordinance 258	9/19/1995	Indeterminate	
City of Duarte Ordinance 709	7/12/1994	Indeterminate	
City of Thousand Oaks Ordinance 1461-NS	5/9/2006	15	6/9/2006
Carmel-by-the-Sea Ordinance 93-27	1/1/1994	Indeterminate	
City of Monterey	7/8/1994	25	
City of Del Rey Oaks	12/1/2009	25	
Imperial Beach Ordinance 2015-1152	7/15/2015	25	
City of Pacific Grove	1/1/2008	25	
County of Sacramento	Various	--	Various
Placer County Ordinance 4609-B	10/27/1994	50	
Rancho Cordova Ordinance 53-2006	9/18/2006	15	

California American Water Company  
FRANCHISES AND CONSENTS continued

SCHEDULE A-1b

PROPERTY	NAME OF ORIGINAL GRANTOR	DATE OF GRANT	TERM YEARS	DATE OF ACQUISITION BY UTILITY	AMOUNT CARRIED ON ACCOUNT
Arden	Sacramento County	Not Available	Not Available	Not Available	4,162
(P.U.C. Decision # 51527)					
	Sacramento County				
	Ordinance #500	July 20, 1955	50	July 20, 1955	3,850
	Ordinance #542	August 6, 1956		August 6, 1956	
Parkway	Sacramento County				
	Ordinance #492	May 18, 1955		May 18, 1955	
	Ordinance #713	Aug 22, 1960	50	Aug 22, 1960	4,700
	Ordinance #458	Sept. 2, 1953		Sept. 2, 1953	
	Ordinance #878	April 28, 1965		April 28, 1965	
	Ordinance #489	April 6, 1955	5	April 6, 1955	
	Ordinance #1223	Feb. 20, 1979		Feb. 20, 1979	
Royal Oaks	Sacramento County				
	Ordinance #488	April 6, 1955	5	April 6, 1955	4,206
Lincoln Oaks	Sacramento County				
	Ordinance #499	(1) July 20, 1955		(1) July 20, 1955	
Sunrise	Sacramento County				
	Ordinance #1158	June 16, 1975	50	June 16, 1975	75 b
	Ordinance #1228	May 6, 1980	50	May 6, 1980	624 C
	Ordinance #1248	July 27, 1982	50	July 27, 1982	
	Ordinance #1254	Nov. 2, 1982		Nov. 2, 1982	
Sacramento	Placer County				
	Ordinance #4609-B	Sept. 30, 1994	50	Sept. 30, 1994	6,412 D
Monterey					27,696 G
Baldwin Hills	Los Angeles County				25,897 h
San Marino	Los Angeles County				7,820 f
Village					63,634 e
Sacramento	Northridge/Placer				201,874 a
Sacramento					63,523 l
Total					414,473 (2)

(1) Amended by: Ordinance #523 - February 15, 1956  
Ordinance #540 - July 25, 1956

(2) Does not agree to Schedule A-1a line 10 as Ordinance 486 for \$3,707 has been excluded from this schedule, but not retired as of 12/31/01. This will be retired at a future date.

**SCHEDULE A-1c**  
**Account 100.4 - Utility Plant Held for Future Use**

Line No.	Description and Location of Property (a)	Date of Acquisition (b)	Approximate Date When Property Will be Placed in Service (c)	Balance End of Year (d)
1	Shopping Center-Lot 13-Village District	N/A	N/A	37,740
2	Dry Creek Land- 2.034 AC-Sacramento	3/16/2004	N/A	281,500
3	Parcel 059 239 050 Well 6A Larkfield	1/1/2004	N/A	1,142,955
4				
5				
6				
7				
8				
9	Total			1,462,195

**SCHEDULE A-2**  
**Account 110 - Other Physical Property**

Line No	Name and Description of Property (a)	Book Value End of Year (b)
1	See Addendum- A-Account 110 - NUP Land	1,747,530
2	See Addendum- B-Account 110 - NUP Buildings	104,510
3	Non Utility Plant-NUP -Other	0
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15	Total	1,852,040

California - American Water Company Account Reconciliation  
As of December 31, 2015  
NUP-Land  
Addendum A-Account 110

<u>BU</u>	<u>DESCRIPTION</u>	<u>ASSET ID</u>	<u>Total Amount</u>
055105	Village Well #4 - Land	2652019	45
056005	3415 MISTY MOMING CIRCLE	2658630	34,115
056005	3608 FABERGE	2651682	91
	3805 CONTEMPO	2651683	262
056005	3805 Contempo Dr	2658577	102
056005	4121 ASHGROVE	2651685	153
056005	4234 ALBERTVILLE WAY	2658636	26,345
056005	4908 BUFFWOOD	2651691	110
056005	6389 NAVION WELL SITE	2651680	48
056005	6389 NAVION WELL SITE 2	2651679	48
056005	65TH ST EXPRESSWAY WELL SITE	2651671	45
056005	7721 CMNWEALTH DR WELL SITE	2651693	259
056005	9148 CASTLEBAR	2651684	172
056005	9513 MIRA DEL RIO	2651678	72
056005	9605 ALLEGHENY WELL SITE	2651675	75
056005	9836 BURLINE	2651688	100
054005	Airway Tank Site #2	2652025	1,088
056005	AUBURN WELL SITE	2651690	86
056005	BARRACUDA WELL SITE	2651676	204
056005	Bellingrath Well Site	2651695	251
056005	BLACKHAWK WELL SITE	2651672	46
054005	Ch Tank Site #1, Lower Mt.	2652026	300
056005	CHARDONNAY WELL SITE NO. 5	2651694	115
054005	Del Rey Terrace Tank & PP #28	2652027	40
056005	FLORIN CREEK WATER TRTMT SITE	2658627	232,531
056005	GREENBACK LANE WELL SITE	2651674	40
054005	Harding Well Site Lots	2652028	1,596
056005	HUNTSMAN WELL SITE	2651677	5
056005	Hurley Ave. Well Site Vacant	2651681	182
056005	JEANNE WELL SITE	2651673	345
055005	Work Order Addition	24262134	486,973
055005	Work Order Addition	24262143	464,578
054005	Land & Ld Rights-SS	2653076	1,002
054005	Land & Ld Rights-SS	2653077	2,000
054005	Land & Ld Rights-SS	2653078	330
054005	Land & Ld Rights-SS	2653075	532
054005	Land & Ld Rights-SS	2653074	33,545
054005	Land & Ld Rights-TD	2653079	2,887
053005	LAND OTAY WELL #1	2652035	420
056005	LAND PARCEL	2658635	17,856
056005	LINDA SUE WELL SITE NO. 2	2651669	226
056005	Lot 5 Trct 16128 RICH 1951	2651585	2,609
056005	MAP 1284 34 13 PARCEL 1	2658510	522
056005	MAP 1284 34 29 PARCEL 1	2658517	1,093
056005	MAP 1284 34 50 PARCEL 1	2658499	714
056005	MAP 1284 34 91 PARCEL 1	2658569	10,011
056005	MAP 1284-34-96 PARCEL 2	2658595	438
056105	MAP 58 090 16	2653080	7,597
056005	MILLS STATION WELL SITE	2651686	485
055105	Orbis Well #10 - Land	2652017	240
055105	ORBIS WELL #2 - Land	2651654	240
055105	Orbis Well #4 - Land	2652016	240
055105	Orbis Well #41 - Land	2652018	225
053005	OTAY WATERSHED WATER RIGHTS	2652034	17,725
053005	OTAY WEST END GRANT	2652033	1,280
054005	Palm Well Site	2652031	1,600
054005	Paralta Tank Site	2652029	462
056005	PARCEL EACH	2658613	16,163
056005	PARCEL EACH	2658615	112,875
056005	PARCEL EACH	2658626	22,733
054005	PIERCE WELL SITE 200' X 100' EASEME	9051192	2,310
056005	POMEGRANATE/LA MANCHA	2658637	220,748
053005	RIGHT OF WAY - OTAY WELLS	2652032	399
054005	RIGHTS OF WAY FROM LOS TULARCITOS D	9051199	2,178
055005	TFR TO NUP LOT1-TRACT8900	2653071	3,400
055005	TFR TO NUP LOT6 SAN M PARK	2653072	7,489
055005	TFR TO NUP LOT60-TRACT1798	2653070	4,000
055005	TFR TO NUP SCOTT RES SITE1	2653073	516
056005	UNDESCRIBED	2651670	18
<b>Grand Total</b>			<b>1,747,530</b>

California - American Water Company Account Reconciliation  
As of December 31, 2015  
NUP-Buildings  
Addendum B-Account 110

<u>BU</u>	<u>DESCRIPTION</u>	<u>ASSET ID</u>	<u>Total Amount</u>
	5000 GAL PRESSURE TANK	2651721	903
056005	CASING EACH	2651697	1,430
056005	CONCRETE SAND TRAP	2651720	120
056005	FENCE	2651717	2,280
056005	FENCE	2651710	4,052
056005	FENCE EACH	2651704	152
056005	FENCE EACH	2651700	2,564
056005	FENCE EACH	2651701	1,554
056005	FENCE EACH	2651702	1,566
056005	FENCE EACH	2651703	1,070
056005	FENCE EACH	2651705	33
056005	FENCE EACH	2651709	3,120
056005	FENCE EACH	2651707	1,142
056005	FENCE EACH	2651711	1,433
056005	FENCE EACH	2651712	1,480
056005	FENCE EACH	2651713	7,806
056005	FENCE EACH	2651714	1,818
056005	FENCE EACH	2651715	1,329
056005	FENCE EACH	2651716	2,329
056005	FENCE EACH	2651696	712
056005	FENCE EACH	2651718	3,333
056005	GATE ONLY	2651706	606
056005	GATE ONLY	2651708	874
056005	Structures & Improvements	2651719	61,911
056005	UNIDENTIFIED	2651698	893
	Grand Total		104,510

**SCHEDULE A-1d  
RATE BASE AND WORKING CASH**

Line No.	Acct.	Title of Account (a)	Balance 12/31/2015 (c)	Balance 1/1/2015 (d)
		<b>RATE BASE</b>		
1		Utility Plant		
2		Plant in Service	825,224,829	782,745,508
3		Construction Work in Progress*	18,232,188	28,249,485
4		General Office Prorate	-	0
5		<b>Total Gross Plant (=Line 2 + Line 3 + Line 4)</b>	843,457,017	810,994,993
6		Less Accumulated Depreciation		
7		Plant in Service	287,631,881	273,383,264
8		General Office Prorate	-	
9		<b>Total Accumulated Depreciation (=Line 7 + Line 8)</b>	287,631,881	273,383,264
10		Less Other Reserves		
11		Deferred Income Taxes	60,873,768	56,208,936
12		Deferred Investment Tax Credit	523,210	604,901
13		Other Reserves	385,755	379,455
14		<b>Total Other Reserves (=Line 11 + Line 12 + Line 13)</b>	61,782,734	57,193,292
15		Less Adjustments		
16		Contributions in Aid of Construction	60,695,507	59,867,108
17		Contributions in Aid of Construction (20 year amortization)	2,548,200	2,972,700
18		Advances for Construction	17,666,747	17,347,487
19		Advances for Construction (20 year amortization)	7,567,700	8,829,000
20		Other	-	-
21		<b>Total Adjustments (=Line 16 + Line 17 + Line 18)</b>	88,478,153	89,016,295
22		<b>Add Materials and Supplies</b>	742,821	679,413
23		<b>Add Working Cash (=Line 34)</b>	22,481,955	24,403,445
24		<b>TOTAL RATE BASE</b>		
25		<b>(=Line 5 - Line 9 - Line 14 - Line 19 + Line 20 + Line 21)</b>	428,789,025	416,485,001



<b>Working Cash</b>				
26		<b>Determination of Operational Cash Requirement</b>		
27		Operating Expenses, Excluding Taxes, Depreciation & Uncollectible	111,871,890	121,114,888
28		Purchased Power & Commodity for Resale*	5,474,274	6,709,596
29		Meter Revenues: Bimonthly Billing	156,213,835	176,123,889
30		Other Revenues: Flat Rate Monthly Billing	3,149,590	3,285,775
31		<b>Total Revenues (=Line 27 + Line 28)</b>	159,363,425	179,409,664
32		Ratio - Flat Rate to Total Revenues (=Line 28 / Line 29)	1.98%	1.83%
33		5/24 x Line 25 x (100% - Line 30)	22,846,021	24,770,155
34		1/24 x Line 25 x Line 30	92,124	92,423
35		1/12 x Line 26	456,190	559,133
36		<b>Operational Cash Requirement (=Line 31 + Line 32 - Line 33)</b>	22,481,955	24,303,445
		* Electric power, gas or other fuel purchased for pumping and/or purchased commodity for resale billed after receipt (metered).		



**SCHEDULE A-3**  
**Accounts 250 to 253, Inclusive - Depreciation and Amortization Reserves**

Line No.	Item (a)	Account 250 Utility Plant (b)	Account 251 Limited-Term Utility Investments (c)	Account 252 Utility Plant Acquisition Adjustments (d)	Account 253 Other Property (e)
1	Balance in reserves at beginning of year	275,451,362	11,333	1,869,054	303,490
2	Add: Credits to reserves during year				
3	(a) Charged to Account 503, 504, 505 <sup>(1)</sup>	16,108,859	1,000	107,083	1,572
4	(b) Charged to Account 265	2,051,174			
5	(c) Charged to clearing accounts				
6	(d) Salvage recovered	53,981			
7	(e) All other credits <sup>(2)</sup>	-			224,113
8	Total credits	18,214,014	1,000	107,083	225,685
9	Deduct: Debits to reserves during year				
10	(a) Book cost of property retired	2,131,617			
11	(b) Cost of removal	4,308,446			
12	(c) All other debits <sup>(3)</sup>	(3,620,927)			460,550
13	Total debits	2,819,136	-	-	460,550
14	Balance in reserve at end of year	290,846,240	12,333	1,976,137	68,625
15					
16	(1) COMPOSITE DEPRECIATION RATE USED FOR STRAIGHT LINE REMAINING LIFE:				3.73%
17					
18	(2) EXPLANATION OF ALL OTHER CREDITS: See district reports for details.				
26					
27	(3) EXPLANATION OF ALL OTHER DEBITS: See district reports for details.				
34					
35	METHOD USED TO COMPUTE INCOME TAX DEPRECIATION:				
36	(a) Straight Line	( )	(X) Village, Orbis, Pollack, Pre 1970		
37	(b) Liberalized	( )	( )		
38	(1) Double declining balance	( )	(X) On Additions from 4-1-66 through 1970		
39	(2) ACRS	( )	( )		
40	(3) MACRS	( )	( )		
41	(4) Others	( )	(X) 150% DBM on property acquired 4-1-66		
42	(c) Both straight line and liberalized	( )	(X) ADR on Additions 1971 through 1980		
43			(X) ACRS on Additions 1981 through 1986		
44			(X) MACRS on Additions after 1986		

**SCHEDULE A-3a**  
**Account 250 - Analysis of Entries in Depreciation Reserve**

(This schedule is to be completed if records are maintained showing depreciation reserve by plant accounts)

Line No.	Acct.	DEPRECIABLE PLANT (a)	Balance Beginning of Year (b)	Credits to Reserve During Year Excl. Salvage (c)	Debits to Reserves During Year Excl. Cost Removal (d)	Salvage and Cost of Removal Net (Dr.) or Cr. (e)	Balance End of Year (f)
1		<b>I. SOURCE OF SUPPLY PLANT</b>					
2	311	Structures and improvements	995,427	194,438	-	(2,496)	1,187,369
3	312	Collecting and impounding reservoirs	1,354,995	134,274	-	(14,200)	1,475,070
4	313	Lake, river and other intakes	362,264	31,189	-	-	393,453
5	314	Springs and tunnels	-	-	-	-	-
6	315	Wells	13,440,093	1,333,343	(232,337)	(98,091)	14,443,008
7	316	Supply mains	2,441,242	258,446	(1,381)	(6,797)	2,691,511
8	317	Other source of supply plant	76,339	4,105	-	-	80,444
9		Total source of supply plant	18,670,360	1,955,796	(233,718)	(121,583)	20,270,854
10							
11		<b>II. PUMPING PLANT</b>					
12	321	Structures and improvements	2,905,464	212,032	(25,197)	(4,729)	3,087,571
13	322	Boiler plant equipment	-	-	-	-	-
14	323	Other power production equipment	1,079,889	145,594	(0)	(315)	1,225,168
15	324	Pumping equipment	21,512,580	2,144,951	(384,076)	(200,879)	23,072,576
16	325	Other pumping plant	-	-	-	-	-
17		Total pumping plant	25,497,934	2,502,578	(409,273)	(205,922)	27,385,316
18							
19		<b>III. WATER TREATMENT PLANT</b>					
20	331	Structures and improvements	7,380,008	336,760	(37,515)	(5,207)	7,674,046
21	332	Water treatment equipment	20,715,588	1,157,414	(142,697)	(313,390)	21,416,916
22		Total water treatment plant	28,095,596	1,494,174	(180,211)	(318,597)	29,090,962
23							
24		<b>IV. TRANS. AND DIST. PLANT</b>					
25	341	Structures and improvements	168,847	58,514	-	(14,249)	213,112
26	342	Reservoirs and tanks	22,985,150	1,096,276	(638,884)	(471,396)	22,971,146
27	343	Transmission and distribution mains	92,054,524	5,418,364	(192,074)	(1,800,610)	95,480,204
28	344	Fire mains	(30,383)	2,670	-	-	(27,713)
29	345	Services	40,969,483	2,728,938	(165,007)	(1,304,276)	42,229,138
30	346	Meters	11,779,965	1,732,522	(136,345)	118,823	13,494,966
31	347	Meter installations	7,004,668	1,784,310	-	(16,202)	8,772,776
32	348	Hydrants	10,004,777	618,551	(8,398)	(89,247)	10,525,683
33	349	Other transmission and distribution plant	158,074	72,180	-	-	230,254
34		Total trans. and distribution plant	185,095,105	13,512,324	(1,140,708)	(3,577,156)	193,889,565
35							
36		<b>V. GENERAL PLANT</b>					
37	371	Structures and improvements	2,444,730	238,008	(20,935)	(17,626)	2,644,177
38	372	Office furniture and equipment	1,878,203	1,310,519	(107,762)	(414)	3,080,546
39	373	Transportation equipment	571,554	19,639	-	-	591,193
40	374	Stores equipment	9,623	348	(682)	-	9,289
41	375	Laboratory equipment	164,327	10,432	-	(7,011)	167,749
42	376	Communication equipment	9,767,003	588,792	(33,609)	(4,066)	10,318,121
43	377	Power operated equipment	1,071,212	24,798	-	-	1,096,010
44	378	Tools, shop and garage equipment	705,965	47,355	(2,672)	(1,629)	749,018
45	379	Other general plant	(2,685,556)	62,613	(2,046)	(460)	(2,625,449)
46	390	Other tangible property	4,165,306	13,584	-	-	4,178,890
47	391	Water plant purchased	-	-	-	-	-
48		Total general plant	18,092,367	2,316,088	(167,707)	(31,206)	20,209,543
49		Total	275,451,362	21,780,960	(2,131,617)	(4,254,464)	290,846,240

**SCHEDULE A-4**  
**Account 111 - Investments in Associated Companies**

Line No.	Class of Security (a)	Name of Issuing Company (b)	Par Value End of Year (c)	Ledger Value End of Year (d)	Rate of Interest (e)	Interest Accrued During Year (f)	Interest and Dividends Received During Year (g)
1		None					
2							
3							
4							
5							
6							
7		Total <sup>1</sup>		0			

<sup>1</sup> The total should agree with the balance at the end of the year in Account 111 on page 5.

**SCHEDULE A-5**  
**Account 112 - Other Investments**

Line No.	Name and Description of Property (a)	Balance End of Year (b)
1	None	
2		
3		
4		
5		
6		
7		
8		
9	Total	0

**SCHEDULE A-6**  
**Account 113 - Sinking Funds**

Line No.	Name of Fund (a)	Balance Beginning of Year (b)	Additions During Year		Deductions During Year (e)	Balance End of Year (f)
			Principal (c)	Income (d)		
1	None					
2						
3						
4						
5						
6						
7						
8						
9	Total					0

**SCHEDULE A-7**  
**Account 114 - Miscellaneous Special Funds**

Line No.	Name of Fund (a)	Balance Beginning of Year (b)	Additions During Year		Deductions During Year (e)	Balance End of Year (f)
			Principal (c)	Income (d)		
1	None					
2						
3						
4						
5						
6						
7						
8						
9	Totals	0				0

**SCHEDULE A-8**  
**Account 121 - Special Deposits**

Line No.	Name of Depository (a)	Purpose of Deposit (b)	Balance End of Year (c)
1	City of Chula Vista	Utility Permits	150
2	Air Commercial Real Estate Assoc.	CA -Corp Office Security Deposit	26,280
3	Selvin Commerical Properties	Village Office Lease	15,913
4	City of Citrus Heights	Encroachment Permit	531
5	East West Bank	Lease Deposit	19,992
6	Totals		62,866

**SCHEDULE A-9**  
**Account 124 - Notes Receivable**

Line No.	Maker (a)	Date of Issue (b)	Date Payable (c)	Balance End of Year (d)	Interest Rate (e)	Interest Accrued During Year (g)	Interest Received During Year (g)
1	None						
2							
3							
4							
5							
6	Totals			0			

**SCHEDULE A-10**  
**Account 126 - Receivables from Associated Companies**

Line No.	Due from Whom (a)	Amount (b)	Interest Rate (c)	Interest Accrued During Year (d)	Interest Received During Year (e)
1	American Water Capital Corporation	-			
2	American Water Works Service Company	199,319			
3	American Water Works Company	35,343			
4	Miscellaneous Intercompany Clearing	10,758			
5					
	Total	245,420			

**SCHEDULE A-11**  
**Account 132 - Prepayments**

Line No.	Item (a)	Amount (b)
1	Prepaid Taxes	(200,162)
2	Prepaid Insurance	109,392
3	Prepaid Other	887,169
4		
5		
6	Total	796,399

**SCHEDULE A-12**  
**Account 133 - Other Current and Accrued Assets**

Line No.	Item (a)	Amount (b)
1	Accrued Utility Revenues	6,786,470
2	Deferred Vacation Pay	2,386,050
3	Current State Deferred Tax	-
4	Current Federal Deferred Tax	-
5		
6		
	Total	9,172,520

## SCHEDULE A-13

### Accounts 140 and 240 - Unamortized Debt Discount and Expense and Unamortized Premium on Debt

1. Report under separate subheadings for Unamortized Debt Discount and Expense and Unamortized Premium or Debt, particulars of discount and expense of premium applicable to each class and series of long-term debt.
2. Show premium amounts in red or by enclosure in parentheses.
3. In column (b) show the principal amount of bonds or other long-term debt originally issued.
4. In column (c) show the discount and expense or premium with respect to the amount of bonds or other long-term debt originally issued.
5. Furnish particulars regarding the treatment of unamortized debt discount and expense or premium, redemption premiums, and redemption expenses associated with issues redeemed during the year, also, date of the Commission's authorization of treatment other than as specified by the Uniform System of Accounts.
6. Set out separately and identify undisposed amounts applicable to issues which were redeemed in prior years.
7. Explain any debits and credits other than amortization debited to Account 531, Amortization of Debt Discount and Expense, or credited to Account 532, Amortization of Premium on Debt-Credit.

Line No.	Designation of long-term debt (a)	Principal amount of securities to which discount and expense, or premium minus expense, relates (b)	Total discount and expense or net Premium (c)	AMORTIZATION PERIOD		Balance beginning of year (f)	Debits during year (g)	Credits during year (h)	Balance end of year (i)
				From- (d)	To- (e)				
1	Allstate Life Ins - 9.71%	6,000,000	101,992	1/1/2003	6/1/2020	31,713		5,852	25,861
2	Allstate Life Ins-9.22%	10,000,000	104,754	1/1/2003	6/1/2021	36,490		5,684	30,806
3	American United Life Ins-6.76%	10,000,000	50,953	12/1/2002	12/1/2023	21,716		2,435	19,281
4	Salkeid & Co - 6.76%	10,000,000	56,021	12/1/2002	12/1/2033	34,273		1,811	32,462
5	State Life & American United Ins-7.33%	10,000,000	255,110	12/1/2002	5/1/2026	123,891		10,929	112,962
6	American Water Capital Corp - 5.52%	10,000,000	40,691	12/21/2006	12/21/2016	8,076		4,089	3,987
7	American Water Capital Corp - 5.62%	52,300,000	176,610	12/21/2006	12/21/2018	58,702		14,768	43,934
8	American Water Capital Corp - 5.77%	75,700,000	267,484	12/21/2006	12/21/2021	124,672		17,874	106,798
9	American Water Capital Corp- 10%*	35,000,000	1,179,875	12/1/2013	3/1/2024	1,128,876		47,195	1,081,681
10	American Water Capital Corp- 5.25%	35,000,000	713,069	8/18/2010	8/1/2040	608,034		23,764	584,270
11	American Water Capital Corp - 3.85%	25,000,000	210,000	11/20/2013	3/1/2024	187,416		20,424	166,992
12	American Water Capital Corp - 1.60%	25,000,000	14,265	6/27/2014	10/15/2017	11,765		4,323	7,442
13	American Water Capital Corp - 4.30%	30,000,000	314,674	8/30/2015	9/1/2045	-	314,674	4,014	310,660
14	Revolver Fee		310,339			143,168	88,239	46,172	185,235
15	* Amortization of 10% series is being amortized over life of 3.85% series 2013 bond issuance used to refinance the 10% series. The total deferred expense of \$1,179,875 represents the unamortized balance at time of refinancing of the original deferred amount of \$1,415,996								
16									
17									
18	<b>Totals</b>	334,000,000	3,795,837			2,518,792	402,913	209,334	2,712,371

**SCHEDULE A-14**  
**Account 141 - Extraordinary Property Losses**

Line No.	Description of Property Loss or Damage (a)	Total Amount of Loss (b)	Previously Written off (c)	WRITTEN OFF DURING YEAR		Balance End of year (f)
				Account Charged (d)	Amount (e)	
1	None					
2						
3						
	Total					0

**SCHEDULE A-15**  
**Account 146 - Other Deferred Debits**

Line No.	Item (a)	Balance End of year (b)
1	See Addendum	255,135,358
2		
3		
4		
5		
6	Total	255,135,358

**SCHEDULE A-16**  
**Account 150 - Discount on Capital Stock**

- Report the balance at end of year of discount on capital stock for each class and series of capital stock.
- If any change occurred during the year in the balance with respect to any class or series of stock, attach a statement giving particulars of the change. State the reason for any charge-off during the year and specify the account charged.

Line No.	Class and Series of Stock (a)	Balance End of year (b)
1	None	
2		
3	Total	0

**SCHEDULE A-17**  
**Account 151- Capital Stock Expense**

- Report the balance at end of year of capital stock expense for each class and series of capital stock.
- If any change occurred during the year in the balance with respect to any class or series of stock, attach a statement giving particulars of the change. State the reason for any charge-off of capital stock expense and specify the account charged.

Line No.	Class and Series of Stock (a)	Balance End of year (b)
1	None	
2		
3	Total	0

**California-American Water Company**  
**Addendum to Schedule A-15**  
**12/31/2015**

ACCOUNT NO. 146 - OTHER DEFERRED DEBITS

ITEMS	BALANCE
RWIP - Cost of Removal	2,785,074
Reg Asset-AFUDC-Eq-CWIP	0
Reg Asset-AFUDC-Equity	589,455
Reg Asset- Plt Flow	0
Reg Asset-Other	(206,042)
Reg Asset-St Flow Through	0
Reg Asset-Accum Amortization	(383,680)
Programmed Maintance-Tank Painting	3,796,454
Deferred Service Company Pension	0
Deferred OPEB	112,012
Deferred Pension	(4,133,542)
FAS 112 Costs	116,573
Depreciation Study	0
Enviromental Remediation Study-NOAA	1,547,323
MPWMD User Fee	(1,887,096)
Operational Energy Efficiency Program	0
Cease & Desist Order Memo Account	495,323
Santa Rosa Groundwater	0
DSIC Surcharges	(575,947)
Low Income Program	4,301,580
Interim Rates	(335,747)
Old Monterey Style Water Revenue Adjustment Mechanism (WRAM)	938,390
San Clemente Dam AFUDC	95,254,229
San Clemente Dam Removal Costs	0
Los Angeles Conservation Charges	0
Funds Restricted for Construction	13,306
Monterey District Conservation Balancing Account	0
WRAM/MCBA	67,204,367
Sacramento VCMRRAM	3,340,580
Carmel River Dam	0
Coastal Water Project	4,625,892
Seaside Groundwater Basin	(1,184,159)
Endangered Species Act (ESA)	1,189,144
Phase 1 ASR Project	0
Conservation/Rationing	1,736,139
Other Reg Asset	818,582
GAAP recording of EITF	(7,774,057)
Citizens Acquisition Purchase Premium-Net of Amortization	53,577,417
Preliminary Costs of Financing	0
Deferred Rate Proceedings	0
Low Income Customer Data	0
Deferred Charges - CAC GrossUp	1,193,645
Deferred Charges - CAC DIT	1,214,239
Sand City Desal Plant Pur Wtr Bal Acct	1,186,221
Reg Asset - Leak Adjustments	3,881,237
Reg Asset - Water Action Plan - Memo Acct	75,359
Other Long Term Asset	7,340,732
Authorized Balancing Account	14,282,355
Total	<u><u>255,135,358</u></u>



**SCHEDULE A-18**  
**Accounts 200 and 201- Capital Stock**

Line No.	Class of Stock (a)	Number of Shares Authorized by Articles of Incorporation (b)	Par Value of Stock Authorized by Articles of Incorporation (c)	Number of Shares Outstanding <sup>1</sup> (d)	Total Par Value <sup>2</sup> Outstanding End of Year (e)	Dividends Declared During Year	
						Rate (f)	Amount (g)
1	Common	2,000,000	0	619,136	92,477,914		0
2							
3							
4							
5							
6	Totals	2,000,000	0	619,136	92,477,914	0	0

<sup>1</sup> After deduction for amount of reacquired stock held by or for the respondent.

<sup>2</sup> If shares of stock have no par value, show value assigned to stock outstanding.

**SCHEDULE A-18a**  
**Record of Stockholders at End of Year**

Line No.	COMMON STOCK	Number Shares (b)	PREFERRED STOCK	Number Shares (d)
	Name (a)		Name (c)	
1	American Water Works Co, Inc	619,136	None	0
2				
3				
4				
5				
6				
7				
8				
9	Total number of shares	619,136	Total number of shares	0

**SCHEDULE A-19**  
**Account 203 - Premiums and Assessments on Capital Stock**

Line No.	Class of Stock (a)	Balance End of Year (b)
1	None	0
2		
3		
4		
5		
6		
7		
8		
9	Total	0

**SCHEDULE A-20**  
**Account 270 - Capital Surplus (For use by Corporations only)**

Line No.	Item (a)	Amount (b)
1	Balance beginning of year	167,548,295
2	CREDITS (Give nature of each credit and state account charged)	
3	Employee Stock Purchase Program	33,626
4	Restricted Stock Units & Options	244,895
5	Equity Infusion	4,882,000
6	Total credits	5,160,521
7	DEBITS (Give nature of each debit and state account credited)	
8	N/A	-
9	Total debits	-
10	Balance end of year	172,708,816

**SCHEDULE A-21**  
**Account 271 - Earned Surplus (For use by Corporations only)**

Line No.	Acct	Account (a)	Amount (b)
1		Balance beginning of year	54,205,309
2		CREDITS	
3	400	Credit balance transferred from income account	29,539,379
4	401	Change in Monterey Wastewater Retained Earnings	48,725
5			
6		Total credits	29,588,103
7		DEBITS	
8	410	Debit balance transferred from income account	(302,287)
9	411	Dividend appropriations-preferred stock	-
10	412	Dividend appropriations-Common stock	22,877,075
11	413	Miscellaneous reservations of surplus	-
12	414	Miscellaneous credits to surplus (detail)	-
13			
14		Total debits	22,574,788
15		Balance end of year	61,218,624

**SCHEDULE A-22**  
**Account 204 - Proprietary Capital**  
**(Sole Proprietor or Partnership)**

Line No.	Item (a)	Amount (b)
1	Balance Beginning of year	
2	<b>CREDITS</b>	
3	Net income for year	<b>Schedule</b>
4	Additional investments during year	<b>Not Applicable</b>
5	Other credits (detail)	
6		
7	Total credits	
8	<b>DEBITS</b>	
9	Net loss for year	
10	Withdrawals during year	
11	Other debits (detail)	
12		
13	Total debits	
14	Balance end of year	

**SCHEDULE A-23**  
**Account 205 - Undistributed Profits**  
**of Proprietorship or Partnership**

(The use of this account is optional)

Line No.	Item (a)	Amount (b)
1	Balance Beginning of year	
2	<b>CREDITS</b>	
3	Net income for year	<b>Schedule</b>
4	Other credits (detail)	<b>Not Applicable</b>
5		
6	Total credits	
7	<b>DEBITS</b>	
8	Net loss for year	
9	Withdrawals during year	
10	Other debits (detail)	
11		
12		
13	Total debits	
14	Balance end of year	

**SCHEDULE A-24**  
**Account 210 - Bonds**

Line No.	Class of Bond (a)	Date of Issue (b)	Date of Maturity (c)	Principal Amount Authorized (d)	Outstanding <sup>1</sup> per Balance Sheet (e)	Rate of Interest (f)	Sinking Fund Added in Current Year (g)	Cost of Issuance (h)	Interest Accrued During Year (i)	Interest Paid During Year (j)
1	General Mortgage Bonds	1/1/2003	6/1/2020	6,000,000	6,000,000	9.71%	0	101,992	582,600	582,600
2	General Mortgage Bonds	1/1/2003	6/1/2021	10,000,000	10,000,000	9.22%	0	104,754	922,000	922,000
3	General Mortgage Bonds	12/1/2002	12/1/2023	10,000,000	10,000,000	6.76%	0	50,953	676,000	676,000
4	General Mortgage Bonds	12/1/2002	12/1/2033	10,000,000	10,000,000	6.76%	0	56,021	676,000	676,000
5	General Mortgage Bonds	12/1/2002	5/1/2026	10,000,000	10,000,000	7.33%	0	255,110	733,000	733,000
6	Notes Payable to Affiliate	12/21/2006	12/21/2016	10,000,000	-	5.52%	0	40,691	552,000	552,000
7	Notes Payable to Affiliate	12/21/2006	12/21/2018	52,300,000	52,300,000	5.62%	0	176,610	2,939,260	2,939,260
8	Notes Payable to Affiliate	12/21/2006	12/21/2021	75,700,000	75,700,000	5.77%	0	267,484	4,367,890	4,367,890
9	Notes Payable to Affiliate	6/27/2014	10/15/2017	25,000,000	25,000,000	1.60%	0	14,265	400,000	400,000
10	Notes Payable to Affiliate	8/18/2010	8/1/2040	35,000,000	35,000,000	5.25%	0	713,069	1,837,500	1,837,500
11	Notes Payable to Affiliate*	11/20/2013	3/1/2024	25,000,000	25,000,000	3.85%	0	1,389,875	962,500	962,500
12	Debt Discount Related to 3.85% series				(79,239)				9,703	
13	Notes Payable to Affiliate	8/13/2015	9/1/2045	30,000,000	30,000,000	4.30%		314,674	490,917	0
14	Debt Discount Related to 4.30% series				(389,715)				5,086	
15	Water Facility Loan - Garrapata	4/1/2012	2/28/2033		101,650	2.50%	0	0	(3,007)	2,589
16										
17										
18	Totals			299,000,000	288,632,696			3,485,498	15,151,448	14,651,339

<sup>1</sup> After deduction for amount of reacquired bonds held by or for the respondent.

\* Notes payable to affiliate 3.85% series cost of issuance of \$1,389,875 represents \$1,179,875 for refinanced 10.00% series unamortized amount remaining of the original \$1,415,996 which will be amortized over the life of the refinanced issuance, and \$210,000 the current issuance costs of the 3.85% series.

**CLASS A WATER COMPANIES  
SAFE DRINKING WATER BOND ACT DATA**

Please provide the following information relating to each Safe Drinking Water Bond Act (SDWBA) loan outstanding during the 12 month reporting period. (Use one sheet for each loan.)

1. Current Fiscal Agent:

Name: Wells Fargo Corporate Trust Services  
 Address: 333 Market Street, San Francisco CA 94105  
 Phone Number: 415-371-3400  
 Date Hired: September 2010

2. Total surcharge collected from customers during the 12 month reporting period: \$ \$9,503

3. Summary of the trust bank account activities showing:

Balance at beginning of year	\$ <u>12,380</u>
Deposits during the year	\$ <u>10,175</u>
Withdrawals made for loan payments	\$ <u>(9,249)</u>
Other withdrawals from this account	\$ <u>0</u>
Balance at end of year	\$ <u>13,306</u>

4. Account information:

Bank Name: Wells Fargo  
 Account Number: 82295700  
 Date Opened: \_\_\_\_\_

5. Plant amounts included in Schedule A-1a, Account No. 101 -- Water Plant in Service which were funded using SDWBA funds:

Line No.	Acct. No.	Title of Account (a)	Balance Beginning of Year (b)	Plant Additions During Year (c)	Plant Retirements During Year (d)	Other Debits or (Credits) (e)	Balance End of Year (f)
1		<b>NON-DEPRECIABLE PLANT</b>					
2	301	Intangible plant					
3	303	Land					
4		Total non-depreciable plant					
5		<b>DEPRECIABLE PLANT</b>					
6	304	Structures	21,303				21,303
7	307	Wells					
8	311	Pumping equipment					
9	317	Other water source plant	16,502				16,502
10	320	Water treatment plant	124,714				124,714
11	330	Reservoirs, tanks and sandpipes	185,070				185,070
12	331	Water mains	67,713				67,713
13	333	Services and meter installations					
14	334	Meters					
15	335	Hydrants					
16	339	Other equipment					
17	340	Office furniture and equipment					
18	341	Transportation equipment					
19		Total depreciable plant					
20		Total water plant in service	415,302				415,302

**SCHEDULE A-25**  
**Account 212 - Advances from Associated Companies**

Line No.	Nature of Obligation (a)	Amount of Obligation (b)	Rate of Interest (c)	Interest Accrued During Year (d)	Interest Paid During Year (e)
1					
2	<b>None</b>				
3					
4					
5	Total	0			

**SCHEDULE A-26**  
**Account 213 - Miscellaneous Long Term Debt**

Line No.	Nature of Obligation (a)	Date of Issue (b)	Date of Maturity (c)	Principal Amount Authorized (d)	Outstanding <sup>1</sup> Per Balance Sheet (e)	Rate of Interest (f)	Interest Accrued During Year (g)	Interest Paid During Year (h)
1								
2	<b>None</b>							
3								
4								
5								
6								
7								
8	Total				0			

<sup>1</sup> After deduction for amount of reacquired debt held by or for the respondent.

**SCHEDULE A-27**  
**Securities Issued or Assumed During Year**

Line No.	Class of Security (a)	Commission Authorization (b)	Amount Issued During Year (omit cents) (c)	Discount or Premium (d)	Expenses (e)
1					
2	<b>None</b>				
3					
4					
5	Total				

**SCHEDULE A-28  
Account 220 - Notes Payable**

Line No.	In Favor of (a)	Date of Issue (b)	Date of Maturity (c)	Balance End of Year (d)	Rate of Interest (e)	Interest Accrued During Year (f)	Interest Paid During Year (g)
1	American Water Capital Corporation	None	None	45,184,003	N/A	0	0
2							
3							
4							
5							
6							
7	Total			45,184,003			

**SCHEDULE A-29  
Account 223 - Payables to Associated Companies**

Line No.	Nature of Obligation (a)	Balance End of Year (b)	Rate of Interest (c)	Interest Accrued During Year (d)	Interest Paid During Year (e)
1	American Water Works Service Company	311,743	0	0	0
2	American Water Capital Corporation	9,949,335	0	0	0
3	American Water Resources -Protection Programs	-	0	0	0
4	Miscellaneous Intercompany Clearing	-	0	0	0
5			0	0	0
6			0	0	0
7	Total	10,261,078	0	0	0

**SCHEDULE A-30  
Account 230 - Other Current and Accrued Liabilities**

Line No.	Description (a)	Balance End of Year (b)
1	Accrued Vacation	2,386,050
2	Accrued Purchase Water	3,046,880
3	Accrued Purchase Power	377,352
4	Accrued Legal	111,175
5	Accrued Wages	934,831
6	Accrued Insurance and Retro Insurance Adjustment	1,870,008
7	Accrued Waste Disposal	0
8	Accrued Retire Medical	40,000
9	Accrued DCP Contribution	23,721
10	Accrued Bank Fees	24,066
11	Accrued Severance	0
12	Accrued Payroll Withholding & Taxes	71,958
13	Accrued Employee 401K Match	18,828
14	Unclaimed Credits	61,478
15	Unbilled Items	0
16	Collection For Other-Gross Recorded Tax	(179,491)
17	Collection For Other-Municipal Tax	944,197
18	Collection for Others	2,596
19	Incentive Plan Cash Annual	1,986,583
20	Accrued Litigation	0
21	Unclaimed AP Checks	76,642
22	NOAA Short Term	1,100,000
23	Other Current Liability Analyzed	(81,283)
24	Unclaimed Wages	0
25	Miscellaneous Deposits Payable	0
26	GRIR Capital Expenditures	3,208,023
27	Collection For Others Miscellaneous	11,446
28	Collection For PUC Surcharges	1,340,966
29		
30	Total	17,376,026

## SCHEDULE A-31

### Account 228 - Accrued and Prepaid Taxes

1. This schedule is intended to give particulars of the combined prepaid and accrued tax accounts and to show the total taxes charged to operations and other accounts during the year. Do not include gasoline and other sales taxes which have been charged to the accounts to which the material on which the tax was levied was charged.
2. Taxes, paid during the year and charged direct to final accounts, that is, not charged to prepaid or accrued taxes, should be included in the schedule. Enter the amounts both in columns (d) and (e). The balancing of the schedule is not affected by the inclusion of these taxes.
3. Taxes charged during the year, column (d), include taxes charged to operations and other accounts through (a) accruals credited to taxes accrued, (b) amounts credited to prepaid taxes for proportions of prepaid taxes chargeable to current year, and (c) taxes paid and charged direct to operations or accounts other than accrued and prepaid tax accounts.
4. If any tax covers more than 1 year, the required information of all columns should be shown separately for each year.
5. Enter all adjustments of the accrued and prepaid tax accounts in column (f) and explain each adjustment. Designate debit adjustments by parentheses.
6. See schedule entitled "TAXES CHARGED DURING YEAR," page 32, for a distribution of taxes charged, column (d) according to utility departments and accounts.
7. Do not include in this schedule entries with respect to deferred income taxes or taxes collected through payroll deductions or otherwise pending transmittal of such taxes to the taxing authority.

Line No.	Kind of Tax (See Instruction 5) (a)	BALANCE BEGINNING OF YEAR		Taxes Charged During Year (d)	Paid During Year (e)	Adjustments (f)	BALANCE END OF YEAR	
		Taxes Accrued (b)	Prepaid Taxes (c)				Taxes Accrued (Account 228) (g)	Prepaid Taxes (Incl. in Acct. 132) (h)
1	Taxes on real and personal property	2,797	-	4,208,136	3,477,304	(730,831)	2,797	-
2	Taxes on real and personal property	-	255,747	361,209	1,005,344	(730,832)	-	169,051
3	State corporation franchise tax	161,557	-	101,508	129,532	(0)	133,533	-
4	State unemployment insurance tax	674	-	125,231	125,902	(0)	3	-
5	Other state and local taxes	6,024	-	324,393	272,105	(0)	58,312	-
6	Federal unemployment insurance tax	-	-	38,700	38,644	-	56	-
7	Fed. ins. contr. act (old age retire.)	136,559	-	1,796,493	1,765,730	(0)	167,322	-
8	Other federal taxes current deferred	-	-	-	-	-	-	-
9	Federal income taxes	6,916,894	-	(6,789,505)	3,679,481	(157,919)	(3,710,010)	-
10	State Income taxes	-	-	20,368	-	(26,701)	(6,334)	-
11	State Income taxes current deferred	-	-	-	-	-	-	-
12	Deferred Taxes	-	-	31,784,822	-	(31,784,822)	-	-
13								
14								
15	Total	7,224,505	255,747	31,971,353	10,494,041	(33,431,106)	(3,354,322)	169,051



**SCHEDULE A-32**  
**Account 241 - Advances for Construction**

Line No.	(a)	(b)	Amount (c)
1	Balance beginning of year		15,732,850
2	Additions during year		806,620
3	Subtotal - Beginning balance plus additions during year		16,539,470
4	Charges during year		
5	<b>Refunds</b>		
6	Percentage of revenue basis		
7	Proportionate cost basis	982,336	
8	Present worth basis		
9	Total refunds		982,336
10	<b>Transfers to Acct 265 - Contributions in Aid of Construction</b>		
11	Due to expiration of contracts	(391,545)	
12	Due to present worth discount		
13	Total transfers to Acct. 265		(391,545)
14	<b>Securities Exchanged for Contracts (enter detail below)</b>		
15	Subtotal - Charges during year		
16	Balance end of year		15,948,679

If stock, bonds, etc., were issued in exchange for construction advance contracts give details below:

Line No.	Type of Security or Other Consideration (Other than Cash) (a)	Dividend or Interest Rate (b)	PUC Decision Number (c)	Amount Issued (d)
17	Common stock			
18	Preferred stock			
19	Bonds			
20	Other (describe)			
21				
22				

**SCHEDULE A-33**  
**Account 242 - Other Deferred Credits**

Line No.	Item (a)	Balance End of Year (b)
1	See Addendum	121,667,324
2		
3		
4		
5		
	Total	121,667,324

**SCHEDULE A-34**  
**Accounts 254 to 258, Inclusive - Miscellaneous Reserves**

Line No.	Account (a)	Balance Beginning of Year (b)	DEBITS		CREDITS		Balance End of Year (g)
			Nature of Items (c)	Amount (d)	Account Charged (e)	Amount (f)	
1	254	939,207	Reserve Bad Debt	678,902		724,517	984,822
2	255	-					-
3	256	-					-
4	257	-					-
5	258	-	FIN 48 Reserve			96,998	96,998
6	258	-				-	-
7	Total	939,207		678,902		821,515	1,081,820

**California-American Water Company**  
**Addendum to Schedule A-33**

ACCOUNT NO. 242 - OTHER DEFERRED CREDITS

ITEMS	BALANCE
Def FIT-Other	(96,192,119)
Def SIT-Other	(19,096,881)
Unamortized ITC - 10%	(427,334)
Unamortized ITC - 6%	(95,876)
Reg Liab-Exc Def FIT	(48,765)
Reg Liab-Deficit Def FIT	19,653
Reg Liab-Exc Def Depr SIT	(1,972)
Reg Liab-ITC Gross-Up 10%	(212,906)
Reg Liab-ITC Gross-Up 6%	(47,214)
Conservation Surcharge	943,058
MTBE Settlement	(1,333,333)
Imperial Beach Lease	(63,911)
DCA-Accr Pension Def Benefit	5,572,691
Reg Liab- Pension Tracker	(5,572,691)
DCA-Accr OPEB	(407,985)
DCA-Accr OPEB Med Subsidy	(566,246)
MPWMD Surcharge	(896,754)
DCA-FAS 112 Costs	(116,573)
Accr Div Equivalents	(35,343)
Reg Liab-CAC CP	(1,276,232)
Deferred Revenue - CAC	(153,843)
DCA-Def Rev CIAC	0
DCA-Def Rev CIAC FIT	(151,164)
DCA-Def Rev CIAC SIT	(2,821)
DCA-Tax Gross-Up AIC	(1,171,414)
DCA-Tax Gross-Up AIC FIT/SIT	54,099
DCA-Tax Gross-Up AIC SIT	10,010
Reg Liab-Affiliate Transfer Fee/Los Padres Dam Study	(318,596)
CA-LT NOAA Settlement	0
DCN-Adv Pay & Dep Othe	(76,862)
Total Other Deferred Credits	(121,667,324)

**SCHEDULE A-35**  
**Account 265 - Contributions in Aid of Construction**

Instructions for Preparation of Schedule of Contributions in Aid of Construction:

<sup>1</sup> The credit balance in the account other than that portion of the balance relating to nondepreciable property (column d), to property retired prior to January 1, 1995 (column e), and to the estimated amount of depreciation accrued to January 1, 1955 (column f), shall be written off through charges to this account and credits to Account 250 - Reserve for Depreciation of Utility Plant over a period equal to the estimated service life of the property involved. Upon retirement of depreciable property for which a depreciation reserve has been created through charges to this account, the cost thereof shall be credited to the appropriate plant account and concurrently charged to Account 250. If the property is retired prior to the service life originally estimated, the balance in this account with respect to the retired property shall be transferred to the depreciation reserve account.

<sup>2</sup> That portion of the balance applicable to nondepreciable property shall remain unchanged until the property is sold or otherwise retired. Upon retirement, the cost of such nondepreciable property acquired by donation or through use of donated funds shall be credited to the appropriate plant account and charged to this account to clear the credit balance carried herein.

<sup>3</sup> That portion of the balance representing donations on property retired prior to January 1, 1955 (column e), and the amount of depreciation accrued to January 1, 1955, on property in service (column f), shall not be transferred from this account or otherwise disposed of without first receiving written authorization from the Commission.

Line No.	Item (a)	Total All Columns (b)	Subject to Amortization		Not Subject to Amortization	
			Property in Service After Dec. 31, 1954		Property Retired Before Jan. 1, 1955 (e)	Depreciation Accrued through Dec. 31, 1954 on Property in Service at Dec. 31, 1954 (f)
			Depreciable (c)	Non-Depreciable (d)		
1	Balance beginning of year	59,671,827	59,436,564	235,263		
2	Add: Credits to account during year					
3	Contributions received during year	3,187,707	3,187,707			
4	Other credits*	0	0			
5	Total credits	3,187,707	3,187,707			
6	Deduct: Debits to account during year					
7	Depreciation charges for year	2,051,174	2,051,174			
8	Nondepreciable donated property retired	0				
9	Other debits*	0				
10	Total debits	2,051,174	2,051,174			
11	Balance end of year	60,808,360	60,573,097	235,263		

\*Indicate nature of these items and show the accounts affected by the contra entries.

**SCHEDULE B-1**  
**Account 501 - Operating Revenues**

Line No.	Acct.	ACCOUNT (a)	Amount Current Year (b)	Amount Preceding Year (c)	Net Change During Year Show Decrease in (Brackets) (d)
1		<b>I. WATER SERVICE REVENUES</b>			
2	601	Metered sales to general customers			
3		601.1 Commercial sales	142,935,004	161,308,620	(18,373,616)
4		601.2 Industrial sales	4,133,988	4,595,746	(461,758)
5		601.3 Sales to public authorities	11,579,991	14,973,990	(3,393,999)
6		Sub-total	158,648,983	180,878,356	(22,229,373)
7	602	Unmetered sales to general customers			
8		602.1 Commercial sales	-	-	-
9		602.2 Industrial sales	-	-	-
10		602.3 Sales to public authorities	-	-	-
11		Sub-total	-	-	-
12	603	Sales to irrigation customers			
13		603.1 Metered sales	-	-	-
14		603.2 Unmetered sales	-	-	-
15		Sub-total	-	-	-
16	604	Private fire protection service	3,157,488	3,164,944	(7,456)
17	605	Public fire protection service	-	-	-
18	606	Sales to other water utilities for resale	4,967	6,258	(1,291)
19	607	Sales to governmental agencies by contracts	-	-	-
20	608	Interdepartmental sales	-	-	-
21	609	Other sales or service	677,961	777,136	(99,175)
22		Sub-total	3,840,417	3,948,338	(107,921)
23		Total water service revenues	162,489,400	184,826,694	(22,337,295)
24		<b>II. OTHER WATER REVENUES</b>			
25	611	Miscellaneous service revenues	1,351,259	3,039,491	(1,688,231)
26	612	Rent from water property	94,861	127,317	(32,456)
27	613	Interdepartmental rents	-	-	-
28	614	Other water revenues	33,932,350	16,241,449	17,690,901
29		Total other water revenues	35,378,470	19,408,256	15,970,214
30	501	Total operating revenues	197,867,870	204,234,951	(6,367,081)

**SCHEDULE B-1a**  
**Operating Revenues Apportioned to Cities and Towns**

Line No.	Location (a)	Operating Revenues (b)
31	Operations not within incorporated cities <sup>1</sup>	None
32		
33		
34		
35	Operations within incorporated territory	None
36	City or town of	
37	City or town of	
38	City or town of	
39	City or town of	
40	City or town of	
41		
42		
43		
44		

<sup>1</sup> Should be segregated to operating districts.

## SCHEDULE B-2

### Account 502 - Operating Expenses - For Class A, B, and C Water Utilities

Respondent should use the group of accounts applicable to its class

Line No.	Acct.	Account (a)	Class			Amount Current Year (b)	Amount Preceding Year (c)	Net Change During Year Show Decrease in [Brackets] (d)
			A	B	C			
1		<b>I. SOURCE OF SUPPLY EXPENSE</b>						
2		<b>Operation</b>						
3	701	Operation supervision and engineering	A	B		264	-	264
4	701	Operation supervision, labor and expenses			C	-	-	-
5	702	Operation labor and expenses	A	B		257,395	277,524	(20,129)
6	703	Miscellaneous expenses	A			1,227,370	1,033,123	194,247
7	704	Purchased water	A	B	C	37,622,333	45,465,812	(7,843,479)
8		<b>Maintenance</b>						
9	706	Maintenance supervision and engineering	A	B		635	49	586
10	706	Maintenance of structures and facilities			C	-	-	-
11	707	Maintenance of structures and improvements	A	B		-	-	-
12	708	Maintenance of collect and impound reservoirs	A			41,492	37,848	3,644
13	708	Maintenance of source of supply facilities		B		-	-	-
14	709	Maintenance of lake, river and other intakes	A			-	474	(474)
15	710	Maintenance of springs and tunnels	A			-	-	-
16	711	Maintenance of wells	A			7,350	11,133	(3,783)
17	712	Maintenance of supply mains	A			-	-	-
18	713	Maintenance of other source of supply plant	A	B		582,618	537,188	45,430
19		Total source of supply expense				39,739,456	47,363,150	(7,623,694)
20		<b>II. PUMPING EXPENSES</b>						
21		<b>Operation</b>						
22	721	Operation supervision and engineering	A	B		146	40	107
23	721	Operation supervision labor and expense			C	-	-	-
24	722	Power production labor and expense	A			-	-	-
25	722	Power production labor, expenses and fuel		B		-	-	-
26	723	Fuel for power production	A			-	-	-
27	724	Pumping labor and expenses	A	B		1,214,457	1,176,689	37,768
28	725	Miscellaneous expenses	A			287,441	156,510	130,931
29	726	Fuel or power purchased for pumping	A	B	C	5,474,274	6,709,596	(1,235,322)
30		<b>Maintenance</b>						
31	729	Maintenance supervision and engineering	A	B		78,749	78,047	702
32	729	Maintenance of structures and equipment			C	-	-	-
33	730	Maintenance of structures and improvements	A	B		6,070	18,551	(12,481)
34	731	Maintenance of power production equipment	A	B		62,093	77,373	(15,280)
35	732	Maintenance of pumping equipment	A	B		-	-	-
36	733	Maintenance of other pumping plant	A	B		239,444	264,589	(25,146)
37		Total pumping expenses				7,362,673	8,481,394	(1,118,721)

**SCHEDULE B-2**

**Account 502 - Operating Expenses - For Class A, B, and C Water Utilities (Continued)**

Respondent should use the group of accounts applicable to its class

Line No.	Acct.	Account (a)	Class			Amount Current Year (b)	Amount Preceding Year (c)	Net Change During Year Show Decrease in [Brackets] (d)
			A	B	C			
38		<b>III. WATER TREATMENT EXPENSES</b>						
39		<b>Operation</b>						
40	741	Operation supervision and engineering	A	B	9,579	861	8,718	
41	741	Operation supervision, labor and expenses			-	-	-	
42	742	Operation labor and expenses	A		1,499,134	1,478,126	21,008	
43	743	Miscellaneous expenses	A	B	1,250,095	1,797,625	(547,530)	
44	744	Chemicals and filtering materials	A	B	640,886	781,319	(140,433)	
45		<b>Maintenance</b>						
46	746	Maintenance supervision and engineering	A	B	61,616	62,489	(873)	
47	746	Maintenance of structures and equipment			-	-	-	
48	747	Maintenance of structures and improvements	A	B	-	397	(397)	
49	748	Maintenance of water treatment equipment	A	B	398,391	422,527	(24,136)	
50		Total water treatment expenses			3,859,701	4,543,345	(683,644)	
51		<b>IV. TRANS. AND DIST. EXPENSES</b>						
52		<b>Operation</b>						
53	751	Operation supervision and engineering	A	B	1,134,696	1,357,434	(222,738)	
54	751	Operation supervision, labor and expenses			-	-	-	
55	752	Storage facilities expenses	A		58,893	39,584	19,309	
56	752	Operation labor and expenses		B	-	-	-	
57	753	Transmission and distribution lines expenses	A		2,878	3,048	(170)	
58	754	Meter expenses	A		107,185	103,237	3,948	
59	755	Customer installations expenses	A		123,037	125,557	(2,520)	
60	756	Miscellaneous expenses	A		1,436,082	1,600,919	(164,837)	
61		<b>Maintenance</b>						
62	758	Maintenance supervision and engineering	A	B	44,059	31,160	12,898	
63	758	Maintenance of structures and plant			-	-	-	
64	759	Maintenance of structures and improvements	A	B	250	-	250	
65	760	Maintenance of reservoirs and tanks	A	B	46,117	22,499	23,617	
66	761	Maintenance of trans. and distribution mains	A		864,926	799,730	65,196	
67	761	Maintenance of mains		B	-	-	-	
68	762	Maintenance of fire mains	A		579	236	344	
69	763	Maintenance of services	A		1,150,312	1,087,620	62,692	
70	763	Maintenance of other trans. and distribution plant		B	-	-	-	
71	764	Maintenance of meters	A		74,986	144,832	(69,845)	
72	765	Maintenance of hydrants	A		108,256	45,689	62,567	
73	766	Maintenance of miscellaneous plant	A		2,606,376	2,796,055	(189,679)	
74		Total transmission and distribution expenses			7,758,633	8,157,600	(398,967)	

**SCHEDULE B-2**

**Account 502 - Operating Expenses - For Class A, B, and C Water Utilities (Continued)**

Respondent should use the group of accounts applicable to its class

Line No.	Acct.	Account (a)	Class			Amount Current Year (b)	Amount Preceding Year (c)	Net Change During Year Show Decrease in [Brackets] (d)
			A	B	C			
75		<b>V. CUSTOMER ACCOUNT EXPENSES</b>						
76		<b>Operation</b>						
77	771	Supervision	A	B		7,743	12,625	(4,883)
78	771	Superv., meter read., other customer acct expenses			C	-	-	-
79	772	Meter reading expenses	A	B		1,185,640	1,104,059	81,582
80	773	Customer records and collection expenses	A			839,934	920,350	(80,416)
81	773	Customer records and accounts expenses		B		-	-	-
82	774	Miscellaneous customer accounts expenses	A			32,497	39,007	(6,510)
83	775	Uncollectible accounts	A	B	C	3,718,023	-	3,718,023
84		Total customer account expenses				5,783,837	2,076,041	3,707,796
85		<b>VI. SALES EXPENSES</b>						
86		<b>Operation</b>						
87	781	Supervision	A	B		-	-	-
88	781	Sales expenses			C	-	-	-
89	782	Demonstrating and selling expenses	A			-	-	-
90	783	Advertising expenses	A			-	-	-
91	784	Miscellaneous sales expenses	A			-	-	-
92	785	Merchandising, jobbing and contract work	A			-	-	-
93		Total sales expenses				-	-	-
94		<b>VII. ADMIN. AND GENERAL EXPENSES</b>						
95		<b>Operation</b>						
96	791	Administrative and general salaries	A	B	C	5,272,796	5,335,855	(63,059)
97	792	Office supplies and other expenses	A	B	C	99,094	113,747	(14,653)
98	793	Property insurance	A			300	-	300
99	793	Property insurance, injuries and damages		B	C	-	-	-
100	794	Injuries and damages	A			214,133	383,672	(169,539)
101	795	Employees' pensions and benefits	A	B	C	4,089,047	4,001,568	87,479
102	796	Franchise requirements	A	B	C	-	-	-
103	797	Regulatory commission expenses	A	B	C	14,500	-	14,500
104	798	Outside services employed	A			(24,371)	1,163,899	(1,188,270)
105	798	Miscellaneous other general expenses		B		-	-	-
106	798	Miscellaneous other general operation expenses			C	-	-	-
107	799	Miscellaneous general expenses	A			6,159,614	6,609,706	(450,092)
108		<b>Maintenance</b>						
109	805	Maintenance of general plant	A	B	C	131,562	141,712	(10,150)
110		Total administrative and general expenses				15,956,676	17,750,159	(1,793,483)
111		<b>VIII. MISCELLANEOUS</b>						
112	811	Rents	A	B	C	1,128,471	1,165,398	(36,927)
113	812	Administrative expenses transferred - Cr. <sup>1</sup>	A	B	C	28,154,929	30,362,926	(2,207,997)
114	813	Duplicate charges - Cr.CA-AM Corp Allocated Return on Rate Base <sup>1</sup>	A	B	C	2,797,539	2,303,346	494,194
115		Total miscellaneous				32,080,939	33,831,669	(1,750,730)
116		Total operating expenses				112,541,915	122,203,359	(9,661,445)

<sup>1</sup> Amounts reflect allocated general office expenses consistent with methodology employed in the authorized GRC revenue requirement



**SCHEDULE B-3**  
**Account 506 - Property Losses Chargeable to Operations**

Line No.	Description (a)	Amount
1	Property Loss on Chargeable Operations	-
2		
3		
4		
5		
6		
7		
8	Total	0

**SCHEDULE B-4**  
**Account 507 - Taxes Charged During Year**

1. This schedule is intended to give the account distribution of total taxes charged to operations and other final accounts during the year.
2. Do not include gasoline and other sales taxes which have been charged to accounts to which the material on which the tax was levied was charged. If the actual or estimated amounts of such taxes are known, they should be shown as a footnote and designated whether estimated or actual amounts.
3. The accounts to which taxes charged were distributed should be shown in columns (c) to (f). Show both the utility department and number of account charged except for taxes capitalized.
4. For any tax which it was necessary to apportion to more than one utility department or account, state in a footnote the basis of apportioning such tax.
5. The total taxes charged as shown in column (b) should agree with the amounts shown by column (d) of schedule entitled "Accrued and Prepaid Taxes," page 24.
6. Do not include in this schedule entries with respect to deferred income taxes, or taxes collected through payroll deductions or otherwise pending transmittal of such taxes to the taxing authority.

Line No.		Total Taxes Charged During Year (b)	DISTRIBUTION OF TAXES CHARGED (Show utility department where applicable and account charged)			
			Water (Account 507) (c)	Nonutility (Account 521) (d)	Other (Account -----) (e)	Capitalized (Omit Account) (f)
1	Taxes on real and personal property	4,569,344	4,569,285		59	
2	State corp. franchise tax	101,508	101,508		-	
3	State unemployment insurance tax	125,231	95,972			29,258
4	Other state and local taxes	324,393	65,335		259,058	
5	Federal unemployment insurance tax	38,700	36,150			2,550
6	Federal insurance contributions act	1,796,493	1,405,037			391,456
7	Other federal taxes	-	-			
8	Federal income tax	(6,789,505)	(6,666,299)		(123,206)	
9	State income tax	20,368	20,489		(121)	
10	Deferred	27,541,767	27,541,767			
11						
12						
13						
14	Totals	27,728,298	27,169,244	-	135,790	423,264

## SCHEDULE B-5

### Reconciliation of Reported Net Income With Taxable Income for Federal Taxes

1. Report hereunder a reconciliation of reported net income for the year with taxable income used in computing Federal income tax accruals and show computation of such tax accruals. The reconciliation shall be submitted even though there is no taxable income for the year. Descriptions should clearly indicate the nature of each reconciling amount.
  
2. If the utility is a member of a group which files a consolidated Federal tax return, reconcile reported net income with taxable net income as if a separate return were to be filed, indicating, however, inter-company amounts to be eliminated in such consolidated return. State names of group members, tax assigned to each group member, and basis of allocation, assignment, or sharing of the consolidated tax among the group members.
  
3. Show taxable year if other than calendar year from-----to-----.

Line No.	Particulars (a)	Amount (b)
1	Net income for the year per Schedule B, page 15 .....	
2	Reconciling amounts (list first additional income and unallowable deductions, followed by additional	
3	deductions for non-taxable income):	
4		
5		
6	<b>Federal Tax Return not yet Completed-See Attached Form 7004</b>	
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30	Federal tax net income .....	
31	Computation of tax:	
32		
33		
34		
35	Tax per return	

**Application for Automatic Extension of Time To File Certain Business Income Tax, Information, and Other Returns**

OMB No. 1545-0233

File a separate application for each return.  
 Information about Form 7004 and its separate instructions is at [www.irs.gov/form7004](http://www.irs.gov/form7004).

Name: American Water Works Company, Inc & Subs Identifying number: 51-0063696  
 Number, street, and room or suite no. (If P.O. box, see instructions.)  
 Print or Type: PO Box 5600 ATTN: Income Tax  
 City, town, state, and ZIP code (If a foreign address, enter city, province or state, and country (follow the country's practice for entering postal code)).  
Cherry Hill, NJ 08034

Note. File request for extension by the due date of the return for which the extension is granted. See instructions before completing this form.

**Part I Automatic 5-Month Extension**

1a Enter the form code for the return that this application is for (see below).

Application Is For:	Form Code	Application Is For:	Form Code
Form 1065	09	Form 1041 (estate other than a bankruptcy estate)	04
Form 8804	31	Form 1041 (trust)	05

**Part II Automatic 6-Month Extension**

b Enter the form code for the return that this application is for (see below).

Application Is For:	Form Code	Application Is For:	Form Code
Form 706-GS(D)	01	Form 1120-ND (section 4951 taxes)	20
Form 706-GS(T)	02	Form 1120-PC	21
Form 1041 (bankruptcy estate only)	03	Form 1120-POL	22
Form 1041-N	06	Form 1120-REIT	23
Form 1041-QFT	07	Form 1120-RIC	24
Form 1042	08	Form 1120S	25
Form 1065-B	10	Form 1120-SF	26
Form 1066	11	Form 3520-A	27
Form 1120	12	Form 8612	28
Form 1120-C	34	Form 8613	29
Form 1120-F	15	Form 8725	30
Form 1120-FSC	16	Form 8831	32
Form 1120-H	17	Form 8876	33
Form 1120-L	18	Form 8924	35
Form 1120-ND	19	Form 8928	36

- 2 If the organization is a foreign corporation that does not have an office or place of business in the United States, check here
- 3 If the organization is a corporation and is the common parent of a group that intends to file a consolidated return, check here . If checked, attach a statement, listing the name, address, and Employer Identification Number (EIN) for each member covered by this application.

**Part III All Filers Must Complete This Part**

4 If the organization is a corporation or partnership that qualifies under Regulations section 1.6081-5, check here

5 a The application is for calendar year 20\_\_ or tax year beginning 01/01, 2015, and ending 12/31, 2015.

b Short tax year. If this tax year is less than 12 months, check the reason:  Initial return  Final return  
 Change in accounting period  Consolidated return to be filed  Other (see instructions-attach explanation)

6 Tentative total tax	6	NONE
7 Total payments and credits (see instructions)	7	NONE
8 Balance due. Subtract line 7 from line 6 (see instructions)	8	NONE

For Privacy Act and Paperwork Reduction Act Notice, see separate Instructions.

Form 7004 (Rev. 12-2012)

JSA  
 5X0916 1.000

**COMPANIES TO BE INCLUDED IN THE CONSOLIDATED FEDERAL INCOME TAX RETURN  
OF AMERICAN WATER WORKS COMPANY, INC. AND AFFILIATED SUBSIDIARIES**

**YEAR - 01/01/15-12/31/15**

COMPANY	Employer Identification Number
1 AAET	22-3259128
2 Illinois Lake-American Lake Water Company	06-1396121
3 American Water (USA), Inc.,	98-0165920
4 American Water Capital Corp.	22-3732448
5 American Water Engineering	76-0654501
6 American Water Enterprises Holding	76-0605357
7 American Water Enterprises, Inc.	22-3169459
8 AWI Inc.	47-4426070
9 American Water Operations and Maintenance, Inc	98-0165919
10 American Water Resources Holdings, Inc.	27-5107201
11 American Water Resources of Florida	45-5262240
12 American Water Resources of Texas, Inc.	27-5107457
13 American Water Services CDM, Inc.,	91-1745331
14 American Water Works Company, Inc.,	51-0063696
15 American Water Works Service Company	23-1340234
16 AW Technologies Incorporated	45-3808303
17 Bluefield Valley Water Works Company	66-6022466
18 California-American Water Company	51-0104148
19 Edison Water Company	22-3519296
20 Environmental Management Corporation	43-1205270
21 E'Town Properties (aka Elizabethtown Properties)	22-2817018
22 Hawaii-American Water Company	99-0108667
23 Illinois-American Water Company	51-0105894
24 Indiana-American Water Company, Inc.	35-0936102
25 Iowa-American Water Company	42-0735216
26 Kentucky-American Water Company	61-0485002
27 Laurel Oak Properties Corp	20-1022964
28 Liberty Water Company	22-3596293
29 Maryland-American Water Company	52-0265025
30 Michigan-American Water Company	38-1657784
31 Missouri-American Water Company	44-0578460
32 New Jersey-American Water Company, Inc	22-1546642
33 New York American Water Company	11-1516966
34 Pennsylvania-American Water Company, Inc.	25-1008096
35 Tennessee-American Water Company	62-0529095
36 Thames Water North America	06-1548192
37 Virginia-American Water Company	54-0119650
38 West Virginia-American Water Company	55-0307487
39 Mt. Ebo Sewage Works, Inc.	13-3223856

**Mailing address for all above companies is:  
PO Box 5600  
ATTN: Income Tax Department  
131 Woodcrest Road  
Cherry Hill, NJ 08003**

Statement 1

**SCHEDULE B-6**  
**Account 521 - Income from Nonutility Operations**

Line No.	Description (a)	Revenue (b)	Expenses (c)	Net Income (d)
1	Income from NonUtility Operations			419,252
2				
3				
4				
5	Totals			419,252

**Account 526 - Miscellaneous Nonoperating Revenue**

Line No.	Description (a)	Amount (b)
1	Miscellaneous NonOperating Revenues	1,134,201
2		
3		
4		
5		
6		
7		
8	Totals	1,134,201

**SCHEDULE B-8**  
**Account 527 - Nonoperating Revenue Deductions (Dr.)**

Line No.	Description (a)	Amount (b)
1	NonOperating Revenues Deduction	(1,061,195)
2		
3		
4		
5	Total	(1,061,195)

**SCHEDULE B-9**  
**Account 535 - Other Interest Charges**

Line No.	Description (a)	Amount (b)
1	Various Interest Charges	169,918
2		
3		
4	Total	169,918

**SCHEDULE B-10**  
**Account 538 - Miscellaneous Income Deductions**

Line No.	Description (a)	Amount (b)
1	Various Miscellaneous Income Deductions	1,176,450
2		
3		
4		
5	Total	1,176,450

**SCHEDULE C-1**  
**Engineering and Management Fees and Expenses, etc., During Year**

Line No.	Give the required particulars of all contracts or other agreements in effect in the course of the year between the respondent and any corporation, association, partnership or person covering supervision and/or management of any department of the respondents affairs such as accounting, engineering, financing, construction or operation, and show the payments under such agreements and also the payments for advice and services to a corporation or corporations which directly or indirectly control respondent through stock ownership	
1	Did the respondent have a contract or other agreement with any organization or person covering supervision and/or management of its own affairs during the year?	
	<i>Answer</i> (Yes or No) <b>Yes</b>	
2	Name of each organization or person that was a party to such a contract or agreement	
	<b>American Water Works Service Company</b>	
3	Date of original contract or agreement.	<b>January 1, 1971</b>
4	Date of each supplement or agreement.	<b>September 1, 1989</b>
	Note: File with the report a copy of every contract, agreement, supplement or amendment mentioned above unless a copy of the instrument in due form has been furnished in which case a definite reference to the report of the respondent relative to which it was furnished will suffice.	
5	Amount of compensation paid during the year for supervision or management	Not Applicable
6	To whom paid	Not Applicable
7	Nature of payment (salary, traveling expenses, etc.)	Not Applicable
8	Amounts paid for each class of service	Not Applicable
9	Base for determination of such amounts	Not Applicable
10	Distribution of payments:	
	(a) Charged to operating expenses	12,529,623
	(b) Charged to capital accounts	2,281,185
	(c) Charged to other accounts	-
	Total	14,810,808
11	Distribution of charges to operating expenses by primary accounts.	
	Number and Title of Account	
	<b>Account 798 Outside Services</b>	12,529,623
	<b>Account 799 Miscellaneous Expense</b>	
	Total	12,529,623
12	What relationship, if any, exists between respondent and supervisory and/or managing concerns?	
	<b>American Water Service Co. provides operational functions for all American Water Works subsidiaries including California American Water</b>	

**SCHEDULE C-2**  
**Compensation of Individual Proprietor or Partner**

Do operating expenses include any charge for owner's compensation in the form of salary or wages, rental allowances, or for the use of a private automobile? (If the word "none" truly states the fact it should be given as the answer to this inquiry.)

Line No.	Nature of Allowance (a)	Account Charged (b)	Amount (c)
1	N/A		
2			
3			
4			
5			
6	Total		

**SCHEDULE C-3**  
**Employees and Their Compensation**  
 (Charged to Account 502 - Operating Expenses - Schedule B-2)

Line No.	Classification (a)	Number at End of Year (b)	Total Salaries and Wages Paid During Year (c)
1	Employees - Source of supply		\$ 307,135
2	Employees - Pumping		\$ 1,355,153
3	Employees - Water treatment		\$ 1,601,407
4	Employees - Transmission and distribution		\$ 3,467,125
5	Employees - Customer account		\$ 2,073,555
6	Employees - Sales		
7	Employees - Administrative		\$ 11,286,404
8	General officers		
9	General office		
10	Totals	269	\$ 20,090,779

**SCHEDULE C-4**  
**Record of Accidents During Year**

Line No.	Date of Accident (a)	TO PERSONS					TO PROPERTY			
		Employees on Duty		Public <sup>1</sup>		Total Number (f)	Company		Other	
		Killed (b)	Injured (c)	Killed (d)	Injured (e)		Number (g)	Amount (h)	Number (i)	Amount (j)
1	2015	0	6	0	0	8	0	\$ -	68	315,726
2										
3										
4	Totals	0	6	0	0	8	0	0	68	315,726

<sup>1</sup> Accidents to employees not on duty should be included in "Public" accidents

## SCHEDULE C-5 Expenditures for Political Purposes

Hereunder report all direct or indirect expenditures incurred or made to elect or defeat a candidate for public office; or to place any measure on the ballot; at any election, or to keep it from being placed on the ballot at any election, or to support or defeat any measure on the ballot; at an election, or to support or defeat any proposed legislation, also name the account or accounts to which the expenditures herein mentioned have been charged. (If the word "none" truly states the fact, it should be given as the answer to this inquiry.)

1	Lobbying Expenses	234,456
2		
3		
4		
5	Total	234,456

## SCHEDULE C-6 Loans to Directors, or Officers, or Shareholders

Show hereunder the amount of loans to directors, or officers, or shareholders and the terms and conditions of such loans. Among other things, show the name of each director, or officer, or shareholder, receiving a loan or loans, the amount of each loan, the rate of interest payable on such loan or loans, the maturity date of each loan or loans, the security given and the date when the shareholders authorized each loan. If such authorization was given. (If the word "none" truly states the fact, it should be given as the answer to this inquiry.)

1	NONE
2	
3	
4	
5	
6	

## SCHEDULE C-7 Bonuses Paid to Executives & Officers

Show hereunder the amount of bonuses paid to Executives and Officers, both cash and non-cash. List by the name of each Executive or Officer receiving the bonus, the dollar value of that bonus, and a description of the bonus if it is non-cash.

1	Robert MacLean	\$87,006
2	Jeffrey Dana	34,222
3	Richard Svindland	50,081
4	Kevin Tilden	49,481
5	Lilian Wilkerson	29,500
6	Deana L. Donahue	35,285
7	Anthony Cerasuolo	50,788
8	Sarah Leeper	50,728
9	Lori Girard	32,552
10	Stacey Fulter	11,769
11		
12		
13		
14		
15		
16		
17		
18		



**SCHEDULE D-1  
Sources of Supply and Water Developed**

STREAMS				FLOW IN .....(unit) <sup>2</sup>				Annual Quantities Diverted .....(Unit) <sup>2</sup>	Remarks
Line No.	Diverted into*	From Stream or Creek (Name)	Location of Diversion Point	Priority Right		Diversions			
				Claim	Capacity	Max.	Min.		
1									
2									
3	See each district's support schedule								
4									
5									
WELLS							Annual Quantities Pumped .....(Unit) <sup>2</sup>	Remarks	
Line No.	At Plant (Name or Number)	Location	Number	Dimensions	<sup>1</sup> Depth to Water	Pumping Capacity .....(Unit) <sup>2</sup>			
							6		
7									
8	See each district's support schedule								
9									
10									
TUNNELS AND SPRINGS				FLOW IN .....(Unit) <sup>2</sup>		Annual Quantities Used .....(Unit) <sup>2</sup>	Remarks		
Line No.	Designation	Location	Number	Maximum	Minimum				
						11			
12									
13	See each district's support schedule								
14									
15									
Purchased Water for Resale									
16	Purchased from								
17	Annual quantities purchased		8,693,067		(Unit chosen) <sup>2</sup>	1,000 gallons			
18									
19									

\* State ditch, pipe line, reservoir, etc., with name, if any.

<sup>1</sup> Average depth to water surface below ground surface.

<sup>2</sup> The quantity unit in established use for expressing water stored and used in large amounts is the acre foot, which equals 42,560 cubic feet: in domestic use the thousand gallon or the hundred cubic feet. The rate of flow or discharge in larger amounts is expressed in cubic feet per second, in gallons per minute, in gallons per day, or in the miner's inch. Please be careful to state the unit used.

**SCHEDULE D-2  
Description of Storage Facilities**

Line No.	Type	Number	Combined Capacity (Gallons or Acre Feet)	Remarks
1	A. Collecting reservoirs			
2	Concrete	-	-	Gallons
3	Earth	1	578,222,600	Gallons
4	Wood		-	
5	B. Distribution reservoirs			
6	Concrete	24	44,860,000	Gallons
7	Earth	3	3,440,500	Gallons
8	Wood			
9	C. Tanks			
10	Concrete	28	19,084,350	Gallons
11	Metal	7	3,801,000	Gallons
12	Wood	-	66,000	Gallons
13	Steel & Poly Plastic	113	50,874,450	Gallons
14	Totals	176	700,348,900	Gallons

**SCHEDULE D-3**  
**Description of Transmission and Distribution Facilities**

A. LENGTH OF DITCHES, FLUMES AND LINED CONDUITS IN MILES FOR VARIOUS CAPACITIES  
Capacities in Cubic Feet Per Second or Miner's Inches (State Which) \_\_\_\_\_

Line No.		0 to 5	6 to 10	11 to 20	21 to 30	31 to 40	41 to 50	51 to 75	76 to 100
1	Ditch	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	Flume	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	Lined conduit	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4									
5	Total								

A. LENGTH OF DITCHES, FLUMES AND LINED CONDUITS IN MILES FOR VARIOUS CAPACITIES - Concluded  
Capacities in Cubic Feet Per Second or Miner's Inches (State Which) \_\_\_\_\_

Line No.		101 to 200	201 to 300	301 to 400	401 to 500	501 to 750	751 to 1000	Over 1000	Total All Lengths
6	Ditch	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7	Flume	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8	Lined conduit	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9									
10	Total								

B. FOOTAGES OF PIPE BY INSIDE DIAMETERS IN INCHES - NOT INCLUDING SERVICE PIPING

Line No.		1 and under	1 1/2	2	2 1/2	3	4	5	6	8
11	Cast Iron	187	-	21,888	176	9,333	274,139	-	412,290	150,972
12	Cast Iron (cement lined)	178	-	25,839	-	103	172,344	-	262,716	91,409
13	Cement - asbestos	1,572	-	9,150	-	2,512	252,419	2,137	1,757,902	1,795,443
14	Concrete	-	-	-	-	-	41	-	20	954
15	Copper	3,443	4,174	3,949	-	-	-	-	-	-
16	PVC	5,131	3,164	24,807	5,197	233	34,184	-	318,739	1,468,165
17	Riveted steel	-	-	-	-	-	-	-	-	7,189
18	Steel	647	-	6,986	-	278	18,423	-	16,554	5,826
19	Standard screw	-	-	-	-	-	-	-	310	-
20	Welded steel	1,540	102	2,507	-	527	164,788	197	231,608	171,572
21	Brass	2	-	258	9	-	-	-	15	-
22	Other (PE)	-	-	1,110	-	-	839	-	-	-
23	Other (Brick Arch)	-	-	-	-	-	-	-	-	-
24	Other (Ductile Iron)	482	-	2,639	12	3,219	2,262	-	10,920	39,932
25	Other (Galvanized Pipe)	517	970	38,998	1,666	-	226	-	-	3
26	Other (C900/DIP)	-	-	31	-	-	492	-	3,318	36,626
27	Other (unknown)	26,412	3,414	21,860	-	1,824	44,509	-	63,301	42,644
28	Other (stainless steel)	-	-	-	-	-	-	-	60	-
29	Other (CLWS)	-	-	-	-	-	-	-	6,293	14,169
30	Other (CLCC)	-	-	-	-	-	-	-	1,950	4,872
31	Total	40,111	11,824	160,022	7,060	18,029	964,666	2,334	3,085,996	3,829,776

B. FOOTAGES OF PIPE BY INSIDE DIAMETERS IN INCHES - NOT INCLUDING SERVICE PIPING - Concluded

Line No.		10	12	14	16	17 -18	Other Sizes (Specify Sizes)				Total All Sizes
							unknown	20	22-24	30-36	
32	Cast Iron	31,849	80,098	560	20,841	-	-	993	-	-	1,003,326
33	Cast Iron (cement lined)	999	43,678	-	54,092	139	-	-	1,205	-	652,702
34	Cement - asbestos	601,920	311,929	25,066	73,915	4,541	1,911	7,161	4,051	1,660	4,853,289
35	Concrete	1,261	848	2,050	-	295	-	2,215	-	-	7,684
36	Copper	-	-	-	-	-	-	-	-	-	11,566
37	PVC	145,530	402,932	140	29,856	664	-	12,423	3,868	-	2,455,033
38	Riveted steel	3,829	11,916	478	-	5,258	-	300	-	-	28,970
39	Steel	13,134	27,340	1,973	1,063	667	-	-	1,093	-	93,984
40	Standard screw	-	-	-	-	-	-	-	-	-	310
41	Welded steel	40,663	109,738	20,573	35,237	26,396	-	13,507	34,370	53,972	907,297
42	Brass	-	-	-	-	-	-	-	-	-	284
41	Other (PE)	-	-	-	-	-	-	-	-	-	1,949
42	Other (Brick Arch)	-	-	-	-	-	-	-	-	341	341
43	Other (Ductile Iron)	13,542	69,763	281	114,035	7,146	15,957	72,990	57,629	48,773	459,582
44	Other (Galvanized Pipe)	-	578	-	-	-	-	-	-	-	42,958
45	Other (C900/DIP)	8,204	17,998	-	-	-	-	-	-	-	66,669
46	Other (unknown)	31	6,667	57	3,528	119	23,168	359	2,708	29	240,630
47	Other (stainless steel)	-	-	-	-	-	-	-	-	-	60
48	Other (CLWS)	7,950	5,410	-	2,652	-	-	-	-	-	36,474
49	Other (CLCC)	3,443	11,247	1,518	3,429	14	-	-	2,014	-	28,487
50	Total	872,355	1,100,142	52,696	338,648	45,239	41,036	109,948	106,938	104,775	10,891,595

**SCHEDULE D-4  
Number of Active Service Connections**

Classification	Metered - Dec 31		Flat Rate - Dec 31	
	Prior Year	Current Year	Prior Year	Current Year
Residential	151,114	151,358	46	45
Commercial	15,632	15,451	1	2
Industrial	234	237	-	-
Public authorities	1,681	1,672	-	-
Irrigation	46	46	-	-
Other	124	110	-	-
				-
Subtotal	168,831	168,874	47	47
Private fire connections	-	-	2,957	2,976
Public fire hydrants	-	-	14,974	15,050
Total	168,831	168,874	17,978	18,073

**SCHEDULE D-5  
Number of Meters and Services on  
Pipe Systems at End of Year**

Size	Meters	Services
5/8 x 3/4"-in.	139,852	-
1/2" -in.	-	-
3/4" -in.	859	86,565
1" -in.	20,146	35,799
1½" -in.	3,896	2,824
2" -in.	5,206	4,874
3" -in.	209	138
4" -in.	223	478
6" -in.	86	301
8" -in.	33	30
10" -in.	9	2
12" -in.	-	-
Other	10	3,142
Total	170,529	134,153

**SCHEDULE D-6  
Meter Testing Data**

A. Number of Meters Tested During Year as Prescribed in Section VI of General Order No. 103:	
1. New, after being received . . .	32
2. Used, before repair . . . . .	285
3. Used, after repair . . . . .	4
4. Found fast, requiring billing adjustment . . . . .	1
B. Number of Meters in Service Since Last Test	
1. Ten years or less . . . . .	136,319
2. More than 10, but less than 15	21,252
3. More than 15 years . . . . .	15,402

## SCHEDULE D-7

### Water delivered to Metered Customers by Months and Years in 1000 Gallons (Unit Chosen)<sup>1</sup>

Classification of Service	During Current Year							Subtotal
	January	February	March	April	May	June	July	
Residential	987,259	1,050,617	1,089,493	1,312,206	1,220,370	1,422,126	1,539,727	8,621,800
Commercial	370,478	391,877	405,596	472,637	501,037	485,566	548,350	3,175,541
Industrial	52,912	57,516	54,591	62,208	59,136	54,034	60,503	400,900
Public authorities	38,533	58,791	67,484	119,218	141,313	132,161	166,895	724,395
Irrigation	0	0	0	0	0	0	0	-
Other (Metered Priv Fire/Resale)	48,010	97,541	(65,004)	19,493	20,107	27,196	15,985	163,328
Other	4,846	7,640	14,931	9,562	8,094	9,709	10,389	65,171
Total	1,502,038	1,663,982	1,567,091	1,995,324	1,950,057	2,130,792	2,341,849	4,529,335

Classification of Service	During Current Year						Subtotal	Total	Total Prior Year
	August	September	October	November	December	Subtotal			
Residential	1,488,577	1,525,964	1,174,672	1,344,653	1,076,797	6,610,663	15,232,463	17,421,894	
Commercial	541,445	549,563	482,742	495,656	407,777	2,477,183	5,652,724	7,349,874	
Industrial	67,761	72,431	58,055	59,765	53,660	311,672	712,572	754,335	
Public authorities	154,073	171,925	137,013	111,037	62,901	636,949	1,361,344	2,285,981	
Irrigation	0	0	0	0	0	-	-	0	
Other (Metered Priv Fire/Resale)	11,422	97,935	(55,818)	20,055	10,867	84,461	247,789	164,607	
Other	10,821	11,108	10,009	10,686	8,184	50,808	115,979	270,903	
Total	2,274,099	2,428,926	1,806,673	2,041,852	1,620,186	10,171,736	23,322,872	28,247,594	

<sup>1</sup> Quantity units to be in hundreds of cubic feet, thousands of gallons, acre-feet, or miner's inch-days.

Total acres irrigated                     N/A                    

Total population served                     567,260                    

This schedule could include figures for items such as free water accounts, etc. that may not be used for rate making calculations or other considerations.

**SCHEDULE D-8**  
**Status With State Board of Public Health**

**See each District for Schedule D-8**

1	Has the State or Local Health Department reviewed the sanitary condition of your water system during the past year?
2	Are you having routine laboratory tests made of water served to your consumers?
3	Do you have a permit from the State Board of Public Health for operation of your water system?
4	Date of permit:
5	If permit is "temporary", what is the expiration date?
6	If you do not hold a permit, has an application been made for such permit?
7	If so, on what date?

**SCHEDULE D-9**  
**Statement of Material Financial Interest**

Use this space to report the information required by Section 2 of General Order No. 104-A. If no material financial interest existed during the year or contemplated at the end of the year, such fact shall be so stated. If additional space is required, attach a supplementary statement with reference made thereto.

<p>BlackRock, Inc. ("BlackRock") is a holding company that acquired 10.53% of the common stock of American Water Works Company, Inc, California American Water Company's ("California American Water") parent company, on December 5, 2012. BlackRock did not acquire or hold the stock for the purpose of or with the effect of changing or influencing the control of the issuer or in connection with or as a participant in any transaction having that purpose or effect. Pursuant to the terms set forth in Advice Letter 990-B, California American Water received a limited and conditional exemption from the affiliate transaction rules in connection with BlackRock's ownership of the shares. While BlackRock may be covered under Section 2(a) of General Order 104-A, California American Water has no way of ascertaining the various interests owned by BlackRock that may deem it a person having a material financial interest in a transaction as defined by Section 2(b). BlackRock has no legal obligation or business reason for providing California American Water with access to the companies in which BlackRock may be the beneficial owner of securities having 10% or more of the voting power for purposes of determining whether such entity has engaged in transactions with the utility. Furthermore, there are no known direct transactions between California American Water and entities for which BlackRock has material financial interests.</p>
<p>As referenced in California-American Water Company letter dated June 20, 2016, we requested and were granted an extension to file Dunningan Water Works 2015 Annual Report no later than September 30, 2016 for the reason below. Dunningan Water Works' previous owners, who operated the system for all or nearly all of 2015, have had difficulty providing the documentation necessary to include Dunningan Water Works in the 2015 Annual Report. Cal Am is working with the previous owners to obtain the documentation, but doing so requires more time. Cal Am, therefore, requests an extension until September 30, 2016 to supplement its 2015 Annual Report to add information concerning its Dunningan Water Works acquisition.</p>

**SCHEDULE E-1**  
**Balancing and Memorandum Accounts**

Line No.	Description (a)	Authorized by Decision or Resolution No. (b)	Beginning of Year Balance (c)	Offset Revenues (d)	Offset Expenses (e)	Interest (f)	Surcharge (g)	Surcredit (h)	End of Year Balance <sup>1</sup> (i)
1	Affiliate Transaction Rule IV.D.2 Memorandum Account	D.10-10-019	9,113			150			9,263
2	Carmel River Mitigation Program Balancing Account	D. 12-06-020	972,936		(1,668,465)	1,584	2,581,040		1,887,096
3	Catastrophic Event Memorandum Account	Res No. E-3228	-						-
4	Cease and Desist Order Memorandum Account	Res W4824	(410,277)		(82,620)	(2,425)			(495,323)
5	Chromium-6 Memorandum Account - Los Angeles	AL 1020 - A	-		(83,382)				(83,382)
6	Chromium-6 Memorandum Account - Sacramento	AL 1020 - A	-		(1,236,688)				(1,236,688)
7	Coastal Water Project Balancing Account	D06-11-050	(3,794,681)			(34,392)	5,427,261		1,598,187
8	Coastal Water Project Memorandum Account	D06-11-050	-		(6,921,513)	(858,501)			(7,780,014)
9	Conservation Surcharge Balancing Account - San Diego	D. 12-06-016	(49,359)		(396,303)	101	251,438		(194,123)
10	Conservation Surcharge Balancing Account - Los Angeles	D. 12-06-016	(69,922)		(224,567)	(24)	116,426		(178,086)
11	Conservation Surcharge Balancing Account - Ventura	D. 12-06-016	67,900		(182,615)	27	97,572		(17,117)
12	Conservation Surcharge Balancing Account - Monterey	D. 12-06-016	(190,867)		(692,113)	(1,154)	457,208		(426,925)
13	Conservation Surcharge Balancing Account - Sacramento	D. 12-06-016	117,642		(636,789)	(84)	439,922		(79,308)
14	Conservation Surcharge Balancing Account - Larkfield	D. 12-06-016	8,632		(17,641)	(2)	9,632		621
15	Conservation/Rationing Memorandum Account - San Diego	Res W-4976, AL 1047	(12,312)		(328,128)	(132)			(340,572)
16	Conservation/Rationing Memorandum Account - Ventura	Res W-4976, AL 1047	(12,311)		(253,371)	(536)	300		(265,918)
17	Conservation/Rationing Memorandum Account - Los Angeles	Res W-4976, AL 1047	(16,055)		(440,078)	(439)			(456,573)
18	Conservation/Rationing Memorandum Account - Monterey Main	Res W-4976, AL 1051	(4,678)		(103,366)	(121)			(108,165)
19	Conservation/Rationing Memorandum Account - Monterey Subsystems	Res W-4976, AL 1049	-						-
20	Conservation/Rationing Memorandum Account - Larkfield	Res W-4976, AL 1048	(6,295)		(91,592)	(100)			(97,987)
21	Conservation/Rationing Memorandum Account - Sacramento	Res W-4976, AL 1048	(3,566)		(463,202)	(161)			(466,930)
22	Consolidated Expense Balancing Account - San Diego	D12-06-016	(790,832)		(947,629)	(2,124)	810,625		(929,960)
23	Consolidated Expense Balancing Account - Los Angeles	D12-06-016	(2,395,271)		(1,273,427)	(4,095)	1,121,984		(2,550,809)
24	Consolidated Expense Balancing Account - Larkfield	D12-06-016	(359,637)		(128,448)	(585)	144,803		(343,867)
25	Consolidated Expense Balancing Account - Monterey	D12-06-016	(4,386,950)		(8,322,122)	(6,358)	3,140,070		(9,575,359)
26	Consolidated Expense Balancing Account - Monterey WW	D12-06-016	289,971		(299,425)	74	-		(9,380)
27	Consolidated Expense Balancing Account - Sacramento	D12-06-016	3,646,831		(3,336,221)	2,080	273,862		586,552
28	Consolidated Expense Balancing Account - Toro	D12-06-016	(170,198)		(41,451)	(337)	58,697		(153,290)
29	Consolidated Expense Balancing Account - Ventura	D12-06-016	(1,741,183)		(885,095)	(3,706)	1,267,762		(1,362,222)
30	Credit Card Memorandum Account - San Diego	D12-06-016	28,924	(83)	(28,870)	30			0
31	Credit Card Memorandum Account - Los Angeles	D12-06-016	31,793	(85)	(31,729)	21			(0)
32	Credit Card Memorandum Account - Ventura	D12-06-016	22,260	(60)	(22,215)	14			(0)
33	Credit Card Memorandum Account - Monterey	D12-06-016	45,541	(121)	(45,449)	29			(0)
34	Credit Card Memorandum Account - Sacramento	D12-06-016	83,735	(225)	(83,564)	54			(0)
35	Credit Card Memorandum Account - Larkfield	D12-06-016	4,053	(12)	(4,043)	3			0
36	Emergency Rationing Costs Incurred by CAW Memorandum Account	D.09-05-029	-						-
37	Endangered Species Act (ESA) Memorandum Account	D12-06-016	(865,524)		(321,266)	(2,354)			(1,189,144)
38	Garrapata Service Area Memorandum/Balancing Accounts	D13-01-033	-						-
39	Garrapata Service Area SDWSRF Loan Repayment Balancing Account	D13-01-033	(12,380)			(926)			(13,306)
40	Low-Income Ratepayer Assistance (LIRA) Program Memorandum Account - San Diego	D13-04-019,AL1003&31S	(662,755)		185,864				(476,891)
41	Low-Income Ratepayer Assistance (LIRA) Program Memorandum Account - Los Angeles	D13-04-019,AL1003&31S	(1,379,812)		479,290				(900,522)
42	Low-Income Ratepayer Assistance (LIRA) Program Memorandum Account - Ventura	D13-04-019,AL1003&31S	(518,706)		188,004				(330,702)
43	Low-Income Ratepayer Assistance (LIRA) Program Memorandum Account - Monterey	D13-04-019,AL1003&31S	(594,971)		1,086				(593,885)
44	Low-Income Ratepayer Assistance (LIRA) Program Memorandum Account - Monterey WW	D13-04-019,AL1003&31S	(531)		-				(531)
45	Low-Income Ratepayer Assistance (LIRA) Program Memorandum Account - Sacramento	D13-04-019,AL1003&31S	(2,083,456)		741,845				(1,341,611)
46	Low-Income Ratepayer Assistance (LIRA) Program Memorandum Account - Larkfield	D13-04-019,AL1003&31S	(98,682)		31,464				(67,218)

**SCHEDULE E-1**  
**Balancing and Memorandum Accounts**

Line No.	Description (a)	Authorized by Decision or Resolution No. (b)	Beginning of Year Balance (c)	Offset Revenues (d)	Offset Expenses (e)	Interest (f)	Surcharge (g)	Surcredit (h)	End of Year Balance <sup>1</sup> (i)
47	Low-Income Ratepayer Assistance (LIRA) Program Balancing Account - San Diego	D15-04-007	-	(320,346)		(1,406)	142,271		(179,482)
48	Low-Income Ratepayer Assistance (LIRA) Program Balancing Account - Los Angeles	D15-04-007	-	(411,072)		(2,492)	186,520		(227,044)
49	Low-Income Ratepayer Assistance (LIRA) Program Balancing Account - Ventura	D15-04-007	-	(142,077)		(997)	166,948		23,874
50	Low-Income Ratepayer Assistance (LIRA) Program Balancing Account - Monterey	D15-04-007	-	(260,211)		(2,778)	335,525		72,536
51	Low-Income Ratepayer Assistance (LIRA) Program Balancing Account - Monterey WW	D15-04-007	-	(17)		-	17,880		17,863
52	Low-Income Ratepayer Assistance (LIRA) Program Balancing Account - Sacramento	D15-04-007	-	(698,939)		(4,182)	427,571		(275,550)
53	Low-Income Ratepayer Assistance (LIRA) Program Balancing Account - Larkfield	D15-04-007	-	(22,098)		(124)	16,814		(5,408)
54	Main San Gabriel Groundwater Basin Contamination Memorandum Account	Res W-4930	-						-
55	MPWMD Conservation Balancing Account	D12-06-016	613,075			1,028	301,736		915,839
56	NOAA_ESA Memorandum Account	AL 929	(7,791,348)		6,247,773	(3,748)			(1,547,323)
57	Non-Revenue Water Action Plan Memorandum Account	D 12-06-016	(97,955)		22,740	(143)			(75,359)
58	OPEB Balancing Account - San Diego	D12-06-016	57,105		(65,068)	(28)			(7,991)
59	OPEB Balancing Account - Monterey	D12-06-016	297,923		(341,305)	(132)			(43,513)
60	OPEB Balancing Account - Monterey WW	D12-06-016	32,490		(45,098)	(8)			(12,616)
61	OPEB Balancing Account - Toro	D12-06-016	829		(1,232)	1			(402)
62	OPEB Balancing Account - Los Angeles	D12-06-016	96,418		(119,573)	(32)			(23,187)
63	OPEB Balancing Account - Ventura	D12-06-016	46,611		(53,531)	(21)			(6,940)
64	OPEB Balancing Account - Sacramento	D12-06-016	105,884		(133,187)	(37)			(27,341)
65	OPEB Balancing Account - Larkfield	D12-06-016	1,420		(4,059)	2			(2,637)
66	Pension Balancing Account - San Diego	D12-06-016	(440,582)		907,498	(551)			466,364
67	Pension Balancing Account - Monterey	D12-06-016	388,522		1,255,518	885			1,644,926
68	Pension Balancing Account - Monterey WW	D12-06-016	(182,206)		360,755	(253)			178,297
69	Pension Balancing Account - Toro	D12-06-016	(27,167)		44,156	(29)			16,959
70	Pension Balancing Account - Los Angeles	D12-06-016	(153,524)		791,553	(92)			637,938
71	Pension Balancing Account - Ventura	D12-06-016	(404,243)		807,007	(518)			402,247
72	Pension Balancing Account - Sacramento	D12-06-016	(282,109)		1,130,961	(240)			848,611
73	Pension Balancing Account - Larkfield	D12-06-016	(7,783)		124,266	13			116,496
74	San Clemente Dam Balancing Account	D12-06-040	(71,891,293)		(20,223,708)	(7,441,415)	3,872,779		(95,683,636)
75	Sand City Desalination Plant Purchased Water Balancing Account	D13-04-015	(729,306)		(666,054)	685	208,454		(1,186,221)
76	Seaside Basin Adjudication Balancing Account	D09-07-021	(1,190,109)		(2,208)	516	238,196		(953,605)
77	Seaside Groundwater Basin Balancing Account	D12-06-016	-		(67,818)	4,675	1,247,302		1,184,159
78	Seaside Groundwater Basin Memorandum Account	D12-06-016	-						-
79	Water Contamination Litigation Expense Memorandum Account	Res W-4925	(207,210)		207,054	(134)			(290)
80	West Placer Memorandum Account	D13-10-003	(4,045,674)		(867,210)				(4,912,884)
81	WRAM/MCBA - San Diego	D08-11-023	562,567	(7,398,017)	6,534,587	(1,137)			(302,000)
82	WRAM/MCBA - Los Angeles	D08-06-002	2,472,778	(4,152,871)	1,496,563	(2,483)	255,647	(690,898)	(621,265)
83	WRAM/MCBA - Ventura	D08-11-023	263,929	(10,997,766)	5,794,179	(5,155)	428,032		(4,516,781)
84	WRAM/MCBA - Monterey <sup>2</sup>	D09-07-021	(39,759,271)	(15,772,229)	282,250	(75,028)	4,619,071		(50,705,207)
85	WRAM/MCBA - Monterey Ambler	D09-07-021	(613,849)	(178,943)	(18,136)	(1,068)	129,616		(682,380)
86	WRAM/MCBA - Sacramento		-	(10,303,883)	919,759	(7,520)			(9,391,644)
87	WRAM/MCBA - Larkfield	D08-11-023	(592,747)	(679,651)	149,822	(1,306)	138,792		(985,090)
88	Leak Adjustments Memorandum Account (LAMA)	D12-06-016, AL991	(3,876,259)			(4,978)			(3,881,237)
89	Low Income Customer Data Sharing Memorandum Account	D11-05-020	(102,817)		102,883	(66)			(0)
90	Old Monterey Style WRAM Balancing Account	D12-06-016	(939,718)			(1,686)	3,014		(938,390)
91	Purchased Water, Purchased Power, & Pump Tax Balancing Account - Monterey WW	D12-06-016	-		(78,508)				(78,508)
92	Purchased Water, Purchased Power, & Pump Tax Balancing Account - Sacramento	D12-06-016	(1,950,874)		1,755,801				(195,073)
93	Sacramento District VCMRRAM Memorandum Account	AL 1038-A	-	(3,338,548)		(2,031)			(3,340,580)
94	Temporary Interest Rate Balancing Account (TIRBA)	D09-05-019	43,311		(43,311)				-
95	Los Angeles DSIC Balancing Account <sup>3</sup>	Res W-4734-2	291,477		283,596	874			575,947
96	Tax Act Memorandum Account	D15-04-07	-						-
97	Dunnigan Environmental Improvement & Compliance Issues Memorandum Account		-						-
98	Dunnigan Consulting Memorandum Account		-		(12,500)				(12,500)
99	Dunnigan Closing Cost Memorandum Account		-						-
100	Water-Energy Nexus Program Memorandum Account		-						-

Notes:

- 1) Balances are reflected as Over / (Under) Collections
- 2) Includes amounts related to the Unaccounted for Water Incentive Program
- 3) Refund per AL 1082-A issued in February 2016 bringing balance to zero

**Schedule E- 2**  
**Description of Low-Income Rate Assistance Program(s)**

For all low income rate assistance programs offered by water utility, provide detailed responses to the following items:

1. Brief description of each low-income rate assistance program provided, by district. This shall include but is not limited to the percent of discount, the dollar amount of discount, what rate is discounted (service charge, quantity, or total bill), qualifying income level, dollar rate increase to remaining customers to pay for this program.

**January - March 2015**

**San Diego** - Qualifying customers receive a \$7.00 monthly discount on the bill.

**Larkfield** - Qualifying customers receive an \$19.00 monthly discount on the bill.

**Los Angeles** - Qualifying customers receive a monthly discount on the bill based on service area as shown below:

Baldwin Hill	\$	9.50
Duarte	\$	9.50
San Marino	\$	12.00

**Monterey** - Qualifying customers receive a monthly discount on the bill based on service area as shown below:

Ambler Park	\$	21.00
Ralph Lane	\$	11.50
Toro	\$	25.50

**Monterey** - Qualifying customers receive a monthly discount on the bill based on number of occupants as shown below:

1-4 people:	\$	10.00
5-8 people:	\$	15.00
> 8 people:	\$	20.00

**Sacramento** - Low-income customers receive a \$10.00 monthly discount on the bill.

**Ventura** - Low-income customers receive a \$14.00 monthly discount on the bill.

**April - December 2015 All Districts:** The monthly discount was revised to be \$20 of the total water charges

2. Participation rate for Year 2015 (as a percent of total customers served).  
at 12/31/15

<b>San Diego</b>	20.40%
<b>Larkfield</b>	7.30%
<b>Los Angeles</b>	17.40%
<b>Monterey</b>	6.70%
<b>Sacramento</b>	12.90%
<b>Ventura</b>	6.30%

3. Detail of balancing or memorandum account authorized to record expenses incurred and revenues collected for low income rate assistance program.

as of December 31, 2015					
	Type of Account	Expenses Incurred	Revenues Lost	Interest Accrued	Net Account
<b>San Diego</b>	B/A		\$ 320,346	1,406	\$321,752
<b>Los Angeles</b>	B/A		\$ 411,072	2,492	\$413,564
<b>Ventura</b>	B/A		\$142,077	997	\$143,074
<b>Monterey</b>	B/A		\$ 260,150	2,778	\$262,928
<b>Larkfield</b>	B/A		22,098	195	\$22,293
<b>Sacramento</b>	B/A		\$ 698,939	4,182	\$703,121
<b>TOTAL</b>		\$ -	\$ 1,854,682	\$ 12,050	\$1,866,732

M/A: Memorandum Account  
B/A: Balancing Account



**Schedule E- 3**  
**Description of Water Conservation Program(s)**

For all water conservation programs offered by water utility, provide detailed responses to the following items:

**See Attachments for various Districts**

1. Brief description of each water conservation program provided, by district. This description shall include but not be limited to the type of program offered (such as provision of low-flow plumbing fixtures, leak detection, leak repair, written water conservation tips, or other similar programs to its customers) and length of time it was offered.
2. Discuss how each water conservation assistance program is funded, for example, through rates charged to all customers, rates charged to customer receiving water conservation assistance, shareholder contribution, community funding, government funding, or other funding method. Explain why this type of funding was used.
3. Cost of each program.
4. The degree of participation in each district by customer group.

# Water Conservation Program 2015 Annual Summary Report

## California American Water

San Diego County District

Ventura County District

Los Angeles County District

Monterey County District

Sacramento District

Larkfield District

**June 2015**



**CALIFORNIA**  
**AMERICAN WATER**

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## Introduction

This report describes conservation efforts taken by California American Water Company (“California American Water” or “CAW”) in all its six districts, including: the San Diego County district, Ventura County district, Los Angeles County district, Monterey County district, Sacramento district, and Larkfield district, with additional reporting by the Monterey Peninsula Water Management District (“MPWMD”) on conservation programming in the Monterey County District.

The objectives of this report are:

- To provide a comprehensive, statewide report on California American Water’s conservation programs and activities during the year 2015;
- To provide estimated water savings associated with programs; and
- To document conservation program activity to the extent that is required in Schedule E-3 of the Annual California Public Utilities Commission (“CPUC”) Reports, and Larkfield, Sacramento, and Los Angeles County districts per D.10-06-038, and the general data elements requested by ORA and CPUC in A.10-07-007 and in I.07-01-022 per Decision D. 11-05-004, Conservation OII proceedings.

## Regulatory Reporting Requirements

### *CPUC Annual Report*

All districts are required to report on the following four program questions in Schedule E-3 of the CPUC Annual Report:

1. *Description.* Brief description of each water conservation program provided by district. This description shall include but not be limited to the type of program offered (such as provision of low-flow plumbing fixtures, leak detection, leak repair, written water conservation tips, or other similar programs to its customers) and length of time it was offered.
2. *Funding.* Discuss how each water conservation assistance program is funded, for example, through rates charged to all customers, rates charged to customer receiving water conservation assistance, shareholder contribution, community funding, government funding, or other funding method. Explain why this type of funding was used.
3. *Cost.* Cost of each program.
4. *Participation.* The degree of participation in each district by customer group.

### *Conservation and Low Income Data Tracking per D.11-05-004*

Per D.11-05-004, California American Water is required to provide additional data on its water conservation and low income programs. Data as required per Attachment 1 of D.11-05-004 is provided in this report. Data as required per Attachments 2 & 3 of D.11-05-004 is being provided separately to the CPUC as an Information Only Filing.

## Summary

California American Water’s conservation program has continued to grow in 2015 and has expanded its offerings with the addition of new or extended programs.

New Programs in 2015 included customer UHET Toilet parking lot give-away events, Sustainable Landscape retrofit hands-on workshops for customers, Greywater workshops for customers and the provision of Water Use Management Services for non-residential customers. California American Water's conservation team also started to utilize tablet handheld computers to conduct water wise house calls in an effort to increase the number of house calls conducted and speed up the process from survey to finished survey report. 2015 also marked the fourth year of severe drought in California and California American Water timely responded to all State Water Resources Control Board Drought Regulations while intensifying customer outreach and education on drought measures and prohibited water usages. California American Water also established new water waste violation procedures and conducted watering compliance patrols where staff levels allowed for such. California American Water has started to offer the WaterSmart Software program to all residential customers in its Los Angeles and Ventura districts. The tool compares each household's monthly usage to comparable households in the same districts and uses behavioral science to achieve water savings. A new 2015 Water/Energy Direct Installation Program for joint Pacific Gas & Electric and California American Water Low Income customers started in Sacramento and is on track to be expanded to Monterey and Larkfield in 2016. The program is designed to ultimately provide Water and Energy measures to about 2,000 low income customers in those three districts. The Bluedashboard program that was initiated in 2012 was continued and offered in other districts including Monterey as well. The program monitors monthly water usage of large landscape and commercial customers against their (voluntary) water budgets previously established during a water audit and notifies customers when their monthly usage exceeds their established irrigation budget.

California American Water continued to strengthen its partnerships with water wholesalers such as the City of San Diego, the Upper San Gabriel Valley Municipal Water District, the West Basin Municipal Water District, Calleguas Municipal Water District, Sonoma County Water Agency, and Sacramento's Regional Water Authority ("RWA") in order to participate and partner in joint conservation programs and to offer a greater variety and level of incentives to California American Water customers. This also allowed California American Water's conservation staff to participate in training and education programs offered through these agencies at zero or much reduced costs.

California American Water is also one of six partners collaborating on the Sustainable Landscapes Program as part of San Diego's Integrated Regional Water Management Program. Made possible by a Proposition 84 grant from the Department of Water Resources, this public-private partnership is a collaborative effort by the San Diego County Water Authority, the County of San Diego, City of San Diego, California American Water, Association of Compost Producers, and Surfrider Foundation. The program aims to deliver multiple environmental benefits, such as water savings and reduced pollutants entering local waterways by means of new technical guidelines, educational resources, incentives, technical assistance, and the provision of landscape materials.

Other expanded program offerings in 2015 included the provision of the full range of residential and nonresidential water surveys at no cost to customers, school education programs in all districts except Larkfield, and the comprehensive offering of residential and commercial rebates through in-house rebate programs as well as California Urban Water Conservation Council's ("CUWCC") Smart Rebates Program and Metropolitan Water District's commercial and residential rebate program. Expanded Rebate offerings in 2015 included new rebates for Pool covers, soil moisture sensors and rain barrels.

The year 2015 marked the first year of the 3 year, 2015-2017, rate case budget cycle.

This report covers conservation budget expenses as authorized in General Rate Case Decision D.15-04-007. Other spending related to the Emergency Drought measures is being captured in other authorized accounts.

Table 1 shows the combined estimated water savings from all districts in 2015

<b>Table 1. 2015 Statewide Summary of Water Savings</b>		
District	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
San Diego	70.9	677.7
Ventura	226.8	2,443.0
Los Angeles	45.1	539.2
Monterey	394.3	1,946.9
Sacramento	117.1	1,171.7
Larkfield	4.5	47.1
<b>Total</b>	<b>858.7</b>	<b>6,825.6</b>

California American Water's conservation program in 2016 is continuing to broaden and expand its existing program offerings to support California American Water customers meeting the drought reduction targets established by the State Water Resources Control Board's adoption of Title 23, California Code of Regulations, Sections 863 through 866. California American Water is implementing various conservation program, public outreach and rate design modifications to assist and comply with additional water reductions in response to the current state drought conditions and Governor Jerry Brown's April 2015 Executive Order, which called for twenty-five percent statewide conservation. One such additional conservation measure is a geospatial analysis pilot program being implemented in Ventura through OmniEarth. The program uses satellite imagery and analytics to cost-effectively identify efficient and inefficient water users so that conservation measures and outreach can be targeted at customers with the greatest water savings potential.



## San Diego County District

The programs funded by California American Water's conservation surcharge during 2015 are summarized in Table 2 and described in detail in the narrative that follows.

**Table 2. San Diego County District: Conservation Programs**

Name of measure, as listed in Decision or Settlement	Description of measure	Authorized budget 2015	# of units / activities	\$ per unit, activity, etc.	Total \$ spent	Estimated water savings per unit per year	Unit lifespan (years)	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
BMP 1.1 Conservation Staff	Conservation staffing	31,987	1 Rep	N/A	60,628	n/a	n/a	n/a	n/a
BMP 2.1 Public Information programs	Advertising, PSAs, Community Events	12,303	13	n/a	11,756	n/a	n/a	n/a	n/a
BMP 2.2 School Education programs	School education pgm -Miss Smarty Plants	22,667	13	n/a	15,675	n/a	n/a	n/a	n/a
BMP 3 Residential Water Audits	Residential audits (in-house and vendor)	2,050	84	Approx. \$260	8,870	0.04	5	3.4	16.8
BMP 3 Low Flow Fixtures	Conservation devices	5,126	8,658	varies	18,967	varies	5	See table 3 below	See table 3 below
BMP 3 Washing Machine Rebates	Residential rebates by CUWCC and CAW in-house rebates	2,563	60	varies	4,298	0.1075	10	6.5	65.0
BMP 3 Ultra-Low Flow Toilet Program	Residential Toilet Rebates	5,126	135	varies	10,239	0.0425	20	5.7	115.0
BMP 3 HET Direct Installations – Low Income	UHET Give-away event	15,378	200	varies	35,178	0.0425	20	8.5	170.0
BMP 4 CII Rebates	CII Rebates	5,126	490	varies	28,700	0.85/0.1075	10/20	8.9	74.5
CII and Large Landscape Conservation (Audits)	CII & LL Audits	23,580	18	varies	20,230	0.66	5	12.0	60.0
BMP 5 Landscape Upgrade Grant Program		25,630	1		8,335	Unknown	n/a	n/a	n/a
	CUWCC Membership (BMP 1.1 Wholesaler programs)		n/a	n/a	1,174	n/a	n/a	n/a	n/a
	Turf Rebates (in house)	12,815	97 rebates/73,486 sq.ft.	\$2 per sqft	12,049	0.00013/sqft	10	9.6	95.0
<b>Total</b>		<b>164,351</b>			<b>236,099</b>			<b>54.6</b>	<b>596.3</b>

### ***BMP 1.1 Conservation Coordinator (Staffing)***

In 2015, California American Water's San Diego County District funded one full-time Conservation position. The conservation representative conducted residential water surveys and supported the administration of the

conservation program by responding to customer inquiries, conducting conservation patrols, staffing public outreach conservation events, tracking equipment inventory, assisting customers with rebate applications, and reaching out to customers to publicize all the programs available to them. The conservation representative also conducted turf removal rebate pre- and post inspections at customer sites. The conservation representative was funded out of the conservation surcharge one-way balancing account.

### ***BMP 2.1 Public Information Program***

California American Water's San Diego District participates in a combination of community events, public meetings, outreach campaigns, bill messaging and inserts to reach out to customers and promote water use efficiency and conservation. In 2015, California American Water held community open house events that included a conservation table providing information about our programs and conservation advice to interested customers. One such meeting took place in our San Diego County District regarding the implementation of mandatory drought/conservation measures (Rule and Schedule 14.1) in 2015. In addition to community open house event, the San Diego County service area sent out twelve bill inserts and/or newsletters in 2015 that focused on water conservation and incentive programs. These provided information on water conservation tips, home water surveys and water conservation products available to customers. California American Water also participated with a conservation booth at the Annual Coronado Flower Show, the Coronado Fire Department Open House and the Coronado Concert in the park event. In addition, California American Water took part in the Sun and Sea Festival and Imperial Beach Day of the Dead events, hosted three Sustainable Landscape retrofit hands-on Workshops, a Landscape retrofit classroom style presentation for customers, HOA presentations, and sponsored the Rotary Ride and Stride Event. California American Water also expanded its internet and digital communications in 2015. A special drought page for its website was added that featured monthly updates on water use reductions for each district and a water waste reporting feature. Drought and conservation messaging was also increased through the company's Facebook page and Twitter feed.

Public Outreach and events are funded through California American Water's conservation surcharge, as well as through general rates collection as part of the operations budget. Those expenses under the conservation surcharge include educational and water saving materials, displays and informative giveaways, conservation related bill inserts and mailers, and special outreach letters to customers on water conservation. Other expenses for events and activities such as event sponsorship, Company booth fees, room fees, etc. are funded under the general operations budget under Community Relations.

### ***BMP 2.2 School Education Program***

California American Water's San Diego County District has developed a partnership with the Conservation Garden at Cuyamaca College, a local nonprofit organization, for students attending schools located in the San Diego County district service area. Students are bused to the garden and receive a lecture and tour of the garden by Pam Meisner (a.k.a. Ms. Smarty-Plants) that outlines basic water conservation principles and specific plant and landscaping knowledge to reduce outdoor water use. Ms. Smarty Plants also does school assemblies where she hosts a school water conservation assembly usually addressing a number of school grades at one time with a fun, fast paced conservation "presentation". These events consistently receive excellent survey feedback from both teachers and students. In 2015, there were 13 presentations with a total of 869 student participants from Kindergarten through 4<sup>th</sup> grade.



The school education program was funded out of the conservation surcharge one-way balancing account.

### ***BMP 3 Residential Water Audits***

California American Water's-San Diego County District performed 7 residential water surveys in 2015 in house by its own conservation staff, 77 surveys were contracted out in 2015 due to scheduling conflicts or greater demand that could not be handled by in house staff in a timely manner. The contracted out surveys were conducted by WaterWise Consulting Services, Inc., or BlueWatchDog Conservation, Inc. All audits included a detailed assessment of the indoor and outdoor usage, an individualized water budget, recommended monthly irrigation schedule, as well as a comprehensive audit package with applicable water saving devices, (water and energy) rebate application forms, and educational material. All audit data and information is collected and maintained in a database to allow for easy tracking of water saving opportunities and to obtain a district profile for toilets and other water saving devices.

The costs for the survey vendors were funded out of the conservation surcharge one-way balancing account. Expenses for the conservation devices and materials are included in the Residential Plumbing Retrofit section of this report.

### ***BMP 3 Residential Plumbing Retrofit***

California American Water provides customers various water saving devices including showerheads, faucet aerators (kitchen and bathroom), toilet leak detection tablets, garden hose spray nozzles, soil probes, and educational pamphlets. These devices and informative materials are designed to help residential customers upgrade their indoor water use fixtures, identify leaks, and improve outdoor water usage for car washing and irrigation. The devices and material are provided to customers upon request at community events and meetings, office walk-ins, customer call-ins, and through the home water survey program.

The residential plumbing retrofit program was funded out of the conservation surcharge one-way balancing account.

The following devices were purchased or provided to customers in 2015:

Name of measure, as listed in Decision or Settlement	# of units bought	\$ per unit, activity, etc.	Total \$ spent 2015	Estimated water savings per unit per year	Unit lifespan	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Showerheads	1730	\$4.72	8,165	0.0062	5	10.7	53.6
Faucet Aerators	651	\$0.55	358	0.0017	5	1.1	5.5
Toilet Flappers	500	\$1.88	940	0.0047	5	2.4	11.8
Tank banks	0	\$1.25	0	unknown	5	unknown	unknown
Drip Gauge	0	\$0.28	0	unknown	5	unknown	unknown
Leak Detection tablets	3000	\$0.06	180	0.0007	5	2.1	10.5
Hose Timers	200	\$7.48	1,496	unknown	5	unknown	unknown
Shower Timer	790	\$1.69	1,335	unknown		unknown	unknown
Water Efficiency Measurer Bag	0	\$0.12	0	unknown	-	unknown	unknown
Collapsible Bucket	100	\$3.90	390	unknown	-	unknown	unknown
Shower Pause Valve	47	\$1.94	91	unknown	-	unknown	unknown
Hose spray nozzle	640	\$3.37	2,157	unknown	5	unknown	unknown
Soil Probe	1442	\$2.50	3,855	unknown	5	unknown	unknown
Total	9100		18,967	-		16.3	81.4

### ***BMP 3 Residential Turf Rebate Program***

California American Water's San Diego County District started a residential turf removal rebate program in 2012 and has continued to offer such rebates throughout 2015. The program offered qualified customers a rebate of \$1.50 per square foot of replaced turf for a maximum of 1,000 square feet per customer. In order to qualify for the program, a customer needed to have a residential water survey completed plus California American Water staff would perform a pre- and post-inspection of the customer's landscaped area to assure compliance with all rebate requirements. A number of requirements had to be met in order to be considered for the rebate. Among such requirements were an operational in ground irrigation system with existing living turf that had been regularly irrigated at the time of application, conversion of the retrofitted area to drip or micro spray irrigation, and the requirement that the retrofitted site had to be maintained for a minimum of 5 years. In 2015, 97 customers in the San Diego County District qualified for and received a turf replacement rebate totaling 73,486 square feet of turf being removed. The program was funded out of the conservation surcharge one-way balancing account and, in part, through California American Water's Drought Memorandum Account.

### ***BMP 3 Low Income Direct Install Program***

Due to contract delays to implement a Joint Water/Energy direct install program with local Energy provider San Diego Gas & Electric, California American Water hosted a Ultra High Efficiency Toilet (UHET) "give away" event for its San Diego customers. Residential customers were notified in advance of the event and informed of the qualification criteria to receive a free toilet. One such qualification criteria was that customers could not have previously received a rebate for a toilet through California American Water. Toilets were provided on a first come, first serve basis. A total of 200 toilets were provided to customers.

The program was funded out of the conservation surcharge one-way balancing account

### ***BMP 3, 4 Residential and Commercial Rebates (CUWCC Smart Rebates, California American Water in-house rebates)***

California American Water's San Diego County District has for a number of years, partnered with the California Urban Water Conservation Council to provide the grant-funded Smart Rebate program to residential and commercial customers. Rebated items for residential customers included high-efficiency clothes washers (HECW's) and high-efficiency toilets (HET's); rebated items for commercial customers included HEW's, HET's, high-efficiency urinals (HEU's), pressurized waterbrooms, and x-ray film processor re-circulation systems.

The Smart Rebate Program was co-funded by California American Water and Proposition 50 Water Use Efficiency grant funding through the Department of Water Resources (DWR) in January 2009 providing incentives to customers at much reduced costs to the utility. California American Water's share of the co-funding for the Smart Rebates, however, has been depleted since late 2011 and the program has since continued as a "stand alone" program, still administered through CUWCC, but now fully funded by the utility. CUWCC's administrative cost charged to California American Water per issued rebate is greater than \$50 regardless of the rebate amount. Due to this significant cost, California American Water in 2012 implemented an in-house rebate program administered by its own staff eliminating any additional costs to the program. Funding for the program comes from the conservation surcharge account. CUWCC's agreement with California American Water has been extended to allow for the depletion of existing program funding but is set to expire in early 2016. Until that date, CUWCC's Smart Rebate program runs essentially parallel to California American Water's in house rebate program, however, participation levels of customers in the Smart Rebate program has been minimal in 2015. California American Water has strict controls in place to prevent customers from applying for both programs to get multiple rebates for the same appliance or toilet. Rebate amounts in San Diego matched the CUWCC's rebate offerings.

### ***BMP 4, 5 CII & Large Landscape Audits***

California American Water's San Diego County District offers free CII and large landscape ("LL") audits to non-residential customers. CII audits include a detailed onsite audit evaluating the facility, water use patterns, indoor water use, and summary of recommendations specific to the property. LL audits include a detailed outdoor audit and the creation of a site-specific water budget and irrigation schedule. California American Water has signed agreements with two different vendors that provide CII and LL survey services. The vendors are WaterWise Consulting and BlueWatchDog Conservation. Having a portfolio of vendors allows the Company to best use their individual expertise depending on site and customer requirements. A primary focus in 2015 for CII and LL surveys was to increase survey efficiencies by increasing the number of survey customers that were willing to implement significant retrofits per the survey recommendations. Non-residential survey participants in the past had often been hesitant to implement some of the (often costly) water efficiency or irrigation retrofits recommended in the report. As a result, California American Water worked together with BluewatchDog to develop a web based monitoring tool as a follow up process to surveys. The program, Bluedashboard, is essentially a tracking tool for water usage for both, customer and utility. A (voluntary) water budget is established during a survey reflecting appropriate indoor and/or outdoor water requirements for a customer. The budget is entered into the monitoring tool and monthly post survey water usage is measured against the established budget. If a customer's monthly usage significantly exceeds his budget for that particular month, California American Water's conservation staff or the survey vendor will contact the customer and discuss potential issues regarding the high use. The program so far has been very successful and has received very positive feedback from participating customers. The program primarily helps with creating a commitment from survey customers to follow up after a survey is conducted and re-evaluate water efficiency practices rather than falling back to the previous status quo of water usage. As an added measure to achieve maximum water savings from surveys, California American Water also changed its "protocol" for the setup

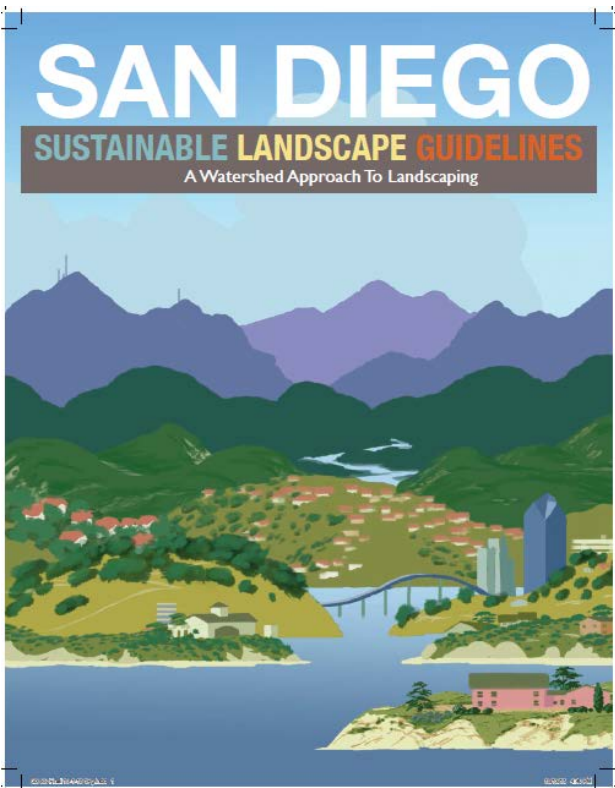
of CII and LL surveys; before such survey is conducted, the utility, vendor and customer agree on an in person “kick off” meeting with key staff from all three parties present. The meeting identifies decision makers for retrofit or budget decisions and establishes commitment from the customer to implement some or all of the survey recommendations or, at the minimum, do necessary leak and other repairs, if applicable, to improve efficiency. A similar follow up meeting is scheduled with the same participants after the survey is completed to discuss results and further steps. This approach has proven to be highly effective, has led to a much closer customer-utility partnership for water efficiency improvements, and has further led to some significant capital investments from customers for improved water efficiency measures even beyond survey recommendations. In 2015, San Diego completed 16 CII audits and 2 LL audits.

The non-residential water audit program was funded out of the conservation surcharge one-way balancing account.

**BMP 4, 5 CII & Landscape Upgrade Grant Program**

In 2015, \$8,335 was spent as a funding contribution towards a Sustainable Landscapes Program as part of San Diego’s Integrated Regional Water Management Program. The program was made possible by a Proposition 84 grant from the Department of Water Resources. California American Water is one of six partner agencies in this unique public-private partnership and collaborative effort by the San Diego County Water Authority, the County of San Diego, City of San Diego, California American Water, Association of Compost Producers, and Surfrider Foundation. The funding helped to develop a Sustainable Landscape Resource Guide that is available free to all California American Water customers in addition to other benefits of the program.

The contribution was funded out of the conservation surcharge one-way balancing account. California American Water will be reimbursed for this contribution and customers will receive additional benefits through the program’s grant funding.



Sustainable Landscapes Program Partners  
 Development of these guidelines was a collaborative effort by the six Sustainable Landscape Program partners identified below:



This guide is intended to be used for general informational purposes; the guide does not take the place of professional advice. Please consult with appropriate landscape professionals for site-specific advice prior to making changes to your landscape or irrigation system.



Made possible by a Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2004 (Proposition 84) grant administered by the California Department of Water Resources





## Ventura County District

The programs funded by California American Water's conservation surcharge during 2015 are summarized in Table 4 and described in detail in the narrative that follows.

Table 4. Ventura County District: Conservation Programs									
Name of measure, as listed in Decision or Settlement	Description of measure	Authorized budget 2015	# of units / activities	\$ per unit, activity, etc.	Total \$ spent	Estimated water savings per unit per year	Unit lifespan (years)	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
BMP 1.1 Conservation Staff	Conservation staffing	31,987	1 Rep	N/A	33,536	n/a	n/a	n/a	n/a
BMP 2.1 Public Information Program	Advertising, PSAs, Community Events	30,756	11	n/a	6,762	n/a	n/a	n/a	n/a
BMP 2.2 School Education Program	School education program by National Theater For Children	16,403	8	varies	17,795	-	n/a	n/a	n/a
BMP 3 Residential Water Audits	Residential audits by WaterWise Consulting and BluewatchDog	12,303	132	Approx. \$260	23,621	0.04	5	5.3	26.4
BMP 3 Low Flow Fixtures	Conservation devices	9,227	6,149	varies	10,413	varies		See table 5 below	See table 5 below
BMP 3 Washing Machine Rebates	Residential rebates by CAW, MWD and CUWCC	2,399	222	varies	2,130	0.1075	10	23.9	239.0
Ultra Low Flow Toilet Program	Rebate	2,563	384	varies	1,246	0.0425	20	16.3	326.4
Residential Direct Installations Low Income	UHET parking lot event	19,479	300	varies	60,000	0.0425	20	12.8	255.0
BMP 4,5 CII Rebates	Commercial rebates by California American Water, MWD and CUWCC	15,378	1,497	varies	(MWD)	varies0		30.2	287.8
CII and Large Landscape Audits	CII and LL audits done by Waterwise, & BWD	30,756	8	varies	61,594	0.66	5	5.3	26.4
Landscape Upgrade Grant Prgm		79,966	1	varies	8,332	n/a	n/a	n/a	n/a
BMP 1.1 Wholesaler Programs	CUWCC Membership			n/a	1,174	n/a	n/a	n/a	n/a
WaterSmart Software Program	Water Use Tracking	10,252	1	n/a	35,750	n/a	n/a	n/a	n/a
	Turf Rebates In house/ MWD	25,630	2 in house 567 MWD sq.ft	\$2 per sqft 949,611 sq.ft	4,848	0.00013/sqft	10	123.4	1,234.0
<b>Total</b>		<b>287,099</b>			<b>267,201</b>			<b>217.2</b>	<b>2,395.0</b>

***BMP 1.1 Conservation Coordinator (Staffing)***

In 2015, California American Water's Ventura County District funded one full-time Conservation Representative position. The conservation staff conducted a number of residential water surveys and supported the administration of the conservation program by responding to customer inquiries, conducting conservation patrols, staffing public outreach conservation events, tracking equipment inventory, assisting customers with rebate applications, and reaching out to customers to publicize all the programs available to them. The conservation position was funded out of the conservation surcharge one-way balancing account.

***BMP 2.1 Public Information Program***

California American Water's Ventura County District participates in a combination of community events, public meetings, outreach campaigns, bill messaging and inserts to reach out to customers and promote water use efficiency and conservation. In 2015 California American Water had a company booth to promote specific conservation programs and educate event attendees at the Amgen Earth Day, Home Depot Natural Disaster Safety Preparedness Event, Assembly Member Irwin's Drought Expo, Conejo Rec & Park Summer Concert Series, and Thousand Oaks Rotary Club Street Fair. At the booth, customers could receive information on rebates, innovative devices (weather-based irrigation controllers, precision nozzles, etc.), and useful water saving tips for adults and kids. California American Water also held community open house events that included a conservation table providing information about our programs and conservation advice to interested customers. Three such meetings took place in our Ventura County District regarding the implementation of mandatory drought/conservation measures (Rule and Schedule 14.1) in 2015. In addition to the community open house events, the Ventura service area sent 17 bill inserts/news letters in 2015 that focused on water conservation, the drought, and incentive programs. These mailers included information on water conservation tips, home water surveys and water conservation products available to customers. Last, California American Water also conducted 3 greywater workshops for customers to educate themselves on how to design and install greywater systems, code restrictions to be aware of and buying tips for greywater systems. The workshops were facilitated by Greywater Action. California American Water also expanded its internet and digital communications in 2015. A special drought page for its website was added that featured monthly updates on water use reductions for each district and a water waste reporting feature. Drought and conservation messaging was also increased through the company's Facebook page and Twitter feed.

Public Outreach and events are funded through California American Water's conservation surcharge, as well as through general rates collection as part of the operations budget. Those expenses under the conservation surcharge include educational and water saving materials, displays and informative giveaways, conservation related bill inserts and mailers, and special outreach letters to customers on water conservation. Other expenses for events and activities such as event sponsorship, Company booth fees, room fees, etc. are funded under the general operations budget under Community Relations.





**Free Greywater Workshops**

**Save water and time** by reusing greywater – the water from your sinks, showers, and washing machines. Instead of sending it to the sewer, it can be safely and easily redirected to water your yard and garden.

California American Water and City of Thousand Oaks invite you to discover more about greywater at upcoming workshops presented by Greywater Action.

**Introduction to Greywater: Drought-Proof Your Landscape**  
Thursday, November 20, 7 – 8 p.m.

Find out if a greywater system is a good match for your home and landscape. Learn about:

- ◆ Common types of greywater systems
- ◆ Plant-friendly soaps and products
- ◆ How much water you may save
- ◆ System costs
- ◆ Codes and regulations

**Laundry-to-Landscape Design & Installation Workshop**  
Saturday, December 6, 10 a.m. – 12:30 p.m.

Laundry-to-landscape greywater systems water your landscape each time you do laundry. And you don't need a permit. In this workshop, instructors will lead you through the design process. Learn about:

- ◆ How to design and build a system for your home and landscape
- ◆ What parts you'll need
- ◆ How much greywater you produce and how many plants you can water
- ◆ Plant-friendly soaps and detergents

Bring photographs of your laundry room and landscape as well as a site plan of your yard.  
*Note: This system cannot send water uphill or irrigate a lawn. Your yard must be flat or downward sloping.*

Classes are held at the City of Thousand Oaks Public Works Municipal Service Center,  
1993 Rancho Conejo Boulevard, Newbury Park, CA 91320.

RSVP: To reserve a spot, please call (805) 498-1266 ext. 2809.

City of Thousand Oaks logo and Greywater Action logo.

**WE CARE ABOUT WATER. IT'S WHAT WE DO.**

**BMP 2.2 School Education Program**

In 2015 the Ventura County District partnered with the National Theater for Children to sponsor performances of “The Water Pirates of Neverland: Ocean’s 3.5”, an educational assembly highlighting the importance of water and water conservation. Eight performances reached a total of 2,070 Ventura County students.

The school education program was funded out of the conservation surcharge one-way balancing account.

**BMP 3 Residential Water Audits**

California American Water’s Ventura County District performed a number of residential water surveys in 2015. Surveys were contracted out in 2015 to handle the demand. The contracted out surveys were conducted by WaterWise Consulting Services, Inc., or BluewatchDog Conservation, Inc. All audits included a detailed assessment of the indoor and outdoor usage, an individualized water budget, recommended monthly irrigation schedule, as well as a comprehensive audit package with applicable water saving devices, (water and energy) rebate application forms, and educational material. All audit data and information is collected and maintained in a database to allow for easy tracking of water saving opportunities and to obtain a district profile for toilets and other water saving devices.

The costs for the survey vendors were funded out of the conservation surcharge one-way balancing account. Expenses for the conservation devices and materials are included in the Residential Plumbing Retrofit section of this report.

### **BMP 3 Residential Plumbing Retrofit**

California American Water provides customers various water saving devices including showerheads, faucet aerators (kitchen and bathroom), toilet leak detection tablets, garden hose spray nozzles and automatic hose shutoff timers, soil probes, and educational pamphlets. These devices and informative materials are designed to help residential customers upgrade their indoor water use fixtures, identify leaks, and improve outdoor water usage for car washing and irrigation. The devices and material are provided to customers upon request at community events and meetings, office walk-ins, customer call-ins, and through the home water survey program.

The residential plumbing retrofit program was funded out of the conservation surcharge one-way balancing account.

The following devices were purchased or provided to customers in 2015:

Name of measure, as listed in Decision or Settlement	# of units / activities Bought	\$ per unit, activity, etc.	Total \$ spent 2015	Estimated water savings per unit per year	Unit lifespan	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Showerheads	950	\$4.72	4,484	0.0062	5	5.9	29.5
Faucet Aerators	800	\$0.40	320	0.0017	5	1.4	6.8
Toilet Flappers	350	\$1.25	438	0.0047	5	1.6	8.2
Tank banks	250	\$1.25	313	unknown	5	unknown	unknown
Drip Gauge	100	\$0.28	28	unknown	5	unknown	unknown
Leak Detection tablets	1,000	\$0.06	60	0.0007	5	0.7	3.5
Shower Timers	300	\$1.65	495	unknown	5	unknown	unknown
Measuring Bag	0	\$0.12	0	unknown	5	unknown	unknown
Hose spray nozzle	550	\$3.30	1,815	unknown	5	unknown	unknown
Soil Probe	750	\$2.50	1,875	unknown	5	unknown	unknown
Dish Squeegee	100	\$1.95	195	unknown	-	unknown	unknown
Collapsible Bucket	100	\$3.90	390	unknown	-	unknown	unknown
Hose Timer	0	\$7.48	0	unknown	5	unknown	unknown
Total	5,250		10,413	-		9.6	48.0

### **BMP 3 Residential Turf Rebate Program**

In 2015 all residential turf rebates submitted by Ventura County District customers were processed through the partnership with MWD's SoCal Water Smart program. 569 such rebates were approved and paid out in 2015 for California American Water customers resulting in 949,611 square feet of turf removed in the Ventura district

The MWD rebate program is funded in part through its member agencies' purchased water rates. The cost shown in Table 4 for this program is for two turf rebate applications that were processed in-house, not through MWD.

### **BMP 3 Low Income Direct Install Program**

Due to contract delays to implement a Joint Water/Energy direct install program with a local Energy provider, California American Water hosted a Ultra High Efficiency Toilet (UHET) "give away" event for its Ventura customers. Residential customers were notified in advance of the event and informed of the qualification criteria to receive a free toilet. One such qualification criteria was that customers could not have previously received a rebate for a

toilet through California American Water. Toilets were provided on a first come, first serve basis. A total of 300 toilets were provided to customers.

The program was funded out of the conservation surcharge one-way balancing account

***BMP 3, 4 Residential and Commercial Rebates (CUWCC Smart Rebates, MWD's SoCal Water Smart, California American Water in-house rebates)***

In the Ventura County District, rebates in 2015 were provided to customers primarily through MWD's SoCal Water Smart program for residential and commercial customers as well as California American Water's in-house rebate program complementing the rebate offerings from MWD (HET, UHET, HEDW, commercial HECW)). As previously mentioned under the San Diego BMP 3, 4 section, customers could also still apply for rebates under CUWCC's Smart Rebates program. Precautions were taken so customers could not obtain multiple rebates for one appliance. California American Water's in-house rebate program is funded through the conservation surcharge account.

The MWD rebate programs (residential and nonresidential) are funded in part through its member agencies' purchased water rates.

***BMP 4, 5 CII & Large Landscape Audits***

California American Water's Ventura County District offers free CII and large landscape ("LL") audits to non-residential customers. CII audits include a detailed onsite audit evaluating the facility, water use patterns, indoor water use, and summary of recommendations specific to the property. LL audits include a detailed outdoor audit and the creation of a site-specific water budget and irrigation schedule. As previously mentioned, California American Water partnered with Water Wise, and BluewatchDog Conservation, Inc. to conduct water audits in 2015. A similar approach to setting up surveys was used as described under San Diego County District's section. Survey participants were entered into the Bluedashboard monitoring program. In 2015, Ventura completed 8 LL audits.

The non-residential water audit program was funded out of the conservation surcharge one-way balancing account.

***BMP 4, 5 CII & Landscape Upgrade Grant Program***

In 2015, \$8,335 was spent as a funding contribution towards a Sustainable Landscapes Program as part of San Diego's Integrated Regional Water Management Program. The program was made possible by a Proposition 84 grant from the Department of Water Resources. California American Water is one of six partner agencies in this unique public-private partnership and collaborative effort by the San Diego County Water Authority, the County of San Diego, City of San Diego, California American Water, Association of Compost Producers, and Surfrider Foundation. The funding helped to develop a Sustainable Landscape Resource Guide that is available free to all California American Water customers in addition to other benefits of the program. Although the IRWM program is primarily San Diego County focused, the Landscape Resource Guide that was developed under this program has equal applicability for homeowners throughout California and was therefore made available to all California American Water customers.

The contribution was funded out of the conservation surcharge one-way balancing account. California American Water will be reimbursed for this contribution and customers will receive additional benefits through the program's grant funding.

## Los Angeles County District

The programs funded by California American Water's conservation surcharge during 2015 are summarized in Table 6 and described in detail in the narrative that follows.

**Table 6. Los Angeles County District: Conservation Programs**

Name of measure, as listed in Decision or Settlement	Description of measure	Authorized budget 2015	# of units / activities	\$ per unit, activity, etc.	Total \$ spent	Estimated water savings per unit per year	Unit lifespan (years)	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
BMP 1.1 Conservation Staff	Conservation staffing	31,987	1 Rep	N/A	25,446	n/a	n/a	n/a	n/a
BMP 2.1 Public Information Program	Advertising, PSAs, Community Events	25,630	13	n/a	43,257	n/a	n/a	n/a	n/a
BMP 2.2 School Education Program	School education program by Resource Action Programs (Livingwise Prgrm) and National Theater for Children	21,529	9	varies	14,159		0	0	0
BMP 3 Residential Water Audits	Residential audits (in-house, WaterWise, and BWD)	10,252	78	Approx. \$260	20,738	0.04	5	3.1	15.6
BMP 3 Residential Plumbing Retrofit	Conservation devices	7,176	4,778	varies	8,542	varies	5	See table 7 below	See table 7 below
BMP 3 Residential HECW Rebates	Residential rebates by CUWCC, MWD & In house	3,076	33	varies	570	0.1075	10	3.5	35.0
Residential Toilet Rebate	Residential rebates by CUWCC, MWD & In house	3,076	53	varies	259	0.0425	20	2.3	45.1
BMP 3 HET Direct Installations - Low-Income	UHET Parking Lot event	20,504	306	\$140	29,700	0.0425	20	13.0	260.1
CII Rebates & Direct Installations		15,378	0	n/a	0			0	0
CII and Large Landscape Audits	Audits by WaterWise, and BWD	30,756	4	varies	47,414	0.66	5	2.6	13.2
Landscape Upgrade Grant Program		19,315	1	varies	8,333	unknown	unknown	unknown	unknown
WaterSmart Software Program	Water Use Tracking	7,689	1	n/a	35,750	n/a	n/a	n/a	n/a
	Turf Rebates (MWD)	17,941	75	\$2/102,688 sqft	0	0.00013/sqft	10	13.3	133.5
BMP 1.1 Wholesaler Programs	CUWCC Membership		n/a	n/a	1,663	n/a	n/a	n/a	n/a
<b>Total</b>		<b>214,309</b>			<b>235,831</b>			<b>37.9</b>	<b>502.9</b>

***BMP 1.1 Conservation Coordinator (Staffing)***

In 2015, California American Water's Los Angeles County District funded one full-time Conservation Representative position. The conservation staff conducted a number of residential water surveys and supported the administration of the conservation program by responding to customer inquiries, conducting conservation patrols, staffing public outreach conservation events, tracking equipment inventory, assisting customers with rebate applications, and reaching out to customers to publicize all the programs available to them. The conservation position was funded out of the conservation surcharge one-way balancing account.

***BMP 2.1 Public Information Program***

California American Water's Los Angeles County District participated in a combination of community events, public meetings, outreach campaigns, bill messaging and inserts to reach out to customers and promote water use efficiency and conservation. California American Water has had a company booth/table at several community events – Duarte Concert in the Park, Temple City Concert in the Park, Senator Liu's Water Conservation Forum, Ladera Height's Civic Association Fair, San Marino Police & Fire Open House, Baldwin Hills Community Water Wise Event, Temple City Chamber Career Youth Fair and the San Gabriel Valley Water Forum to promote specific conservation programs and educate event attendees. At the booth, customers could receive information on rebates, innovative devices (weather-based irrigation controllers, precision irrigation sprinkler heads, etc.), and useful water saving tips for adults and kids. California American Water provided similar materials to various other events but did not host a booth at them. California American Water held community open house events that included a conservation table providing information about our programs and conservation advice to interested customers. One such meeting took place in our Los Angeles County District regarding the implementation of mandatory drought/conservation measures (Rule and Schedule 14.1) in 2015. In addition to the interested party meetings and community open house events, the Los Angeles County District sent five bill inserts, email campaigns, nine direct mailers, and bill text messages on some of the bills in 2015 that focused on water conservation and incentive programs or explaining the drought and prohibited water uses. These bill inserts include information on the Social-Watersmart Rebate Program, upcoming community events, and general water use efficiency tips and messages. California American Water also expanded its internet and digital communications in 2015. A special drought page for its website was added that featured monthly updates on water use reductions for each district and a water waste reporting feature. Drought and conservation messaging was also increased through the company's Facebook page and Twitter feed.

Public outreach and events are funded through California American Water's conservation surcharge, as well as through general rates collection as part of the operations budget. Those expenses under the conservation surcharge include educational and water saving materials, displays and informative giveaways, conservation related bill inserts and mailers, and special outreach letters to customers on water conservation. Other expenses for events and activities such as event sponsorship, Company booth fees, room fees, etc. are funded under the general operations budget under Community Relations.

***BMP 2.2 School Education Program***

California American Water's Los Angeles County District contracted with The National Theatre for Children to provide entertaining, educational performances of "The Water Pirates of Neverland: Ocean's 3.5" to elementary school children in large assemblies for the 2015 school year. A total of 6 schools participated in the program, or 2,277 students.

The school education program was funded out of the conservation surcharge one-way balancing account.

**BMP 3 Residential Water Audits**

California American Water’s Los Angeles County District performed a number of residential water surveys in 2015. Surveys were contracted out in 2015 due to scheduling conflicts or greater demand that could not be handled by in house staff in a timely manner. The contracted out surveys were conducted by WaterWise Consulting Services, Inc., or BluewatchDog Conservation, Inc. All audits include a detailed assessment of the indoor and outdoor usage, an individualized water budget, recommended monthly irrigation schedule, as well as a comprehensive audit package with applicable water saving devices, (water and energy) rebate application forms, and educational material. All audit data and information is collected and maintained in an Excel database to allow for easy tracking of water saving opportunities and to obtain a district profile for toilets and other water saving devices.

The residential water audit program was funded out of the conservation surcharge one-way balancing account. Expenses for the conservation devices and materials are included in the Residential Plumbing Retrofit section of this report.

**BMP 3 Residential Plumbing Retrofit**

California American Water provides customers various water saving devices including showerheads, faucet aerators (kitchen and bathroom), toilet leak detection tablets, garden hose spray nozzles, soil probes, and educational pamphlets. These devices and informative materials are designed to help residential customers upgrade their indoor water use fixtures, identify leaks, and improve outdoor water usage for car washing and irrigation. The devices and material are provided to customers upon request at community events and meetings, office walk-ins, customer call-ins, and through the home water survey program.

The residential plumbing retrofit program was funded out of the conservation surcharge one-way balancing account.

The following devices were purchased or provided to customers in 2015:

Table 7. Los Angeles County District: BMP 3 & 4 Residential Plumbing Retrofit- Detail							
Name of measure, as listed in Decision or Settlement	# of units / activities bought	\$ per unit, activity, etc.	Total \$ spent 2015	Estimated water savings per unit per year	Unit lifespan	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Showerheads (incl. RAP)	585	\$4.72	2,762	0.0062	5	3.6	18.1
Faucet Aerators	1,300	\$0.40	520	0.0017	5	2.2	11.1
Toilet Flappers	300	\$1.25	375	0.0047	5	1.4	7.1
Tankbanks	0	\$1.25	0	unknown		unknown	unknown
Drip Gauge	0	\$0.28	0	unknown		unknown	unknown
Leak Detection tablets	0	\$0.06	0	0.0007	5	0	0
Shower Timers	450	\$1.65	743	unknown		unknown	unknown
Hose spray nozzle	400	\$3.30	1,320	unknown		unknown	unknown
Soil Probe	823	\$2.50	2,058	unknown	-	unknown	unknown
Collapsible Bucket	100	\$3.90	390	unknown	-	unknown	unknown
Water Efficiency Measurer Bag	0	\$1.35	0	unknown	-	unknown	unknown
Hose timer	50	\$7.48	374	unknown	5	unknown	unknown
Total	4,008		8,542	-		7.2	36.3

**BMP 3 Low Income Direct Install Program**

Due to contract delays to implement a Joint Water/Energy direct install program with a local Energy provider, California American Water hosted a Ultra High Efficiency Toilet (UHET) “give away” event for its Los Angeles



customers. Residential customers were notified in advance of the event and informed of the qualification criteria to receive a free toilet. One such qualification criteria was that customers could not have previously received a rebate for a toilet through California American Water. Toilets were provided on a first come, first serve basis. A total of 306 toilets were provided to customers.

The program was funded out of the conservation surcharge one-way balancing account



### ***BMP 3 Residential Turf Rebate Program***

In 2015, California American Water customers could apply for turf rebates via Metropolitan Water District's SoCal Watersmart Program through the member agencies West Basin Municipal Water District and the Upper San Gabriel Water District at no additional costs to California American Water. In 2015, 75 rebate applications were approved for California American Water customers in Los Angeles totaling 102,688 square feet of turf removed.

### ***BMP 3, 4 Residential and Commercial Rebates (CUWCC Smart Rebates, MWD's SoCal Water Smart, California American Water in-house rebates)***

In the Los Angeles County District, rebates in 2015 were provided to customers through MWD's SoCal Water Smart program as well as California American Water's in-house rebate program, which complements the rebate offerings from MWD (HET and UHET). As previously mentioned under the San Diego County and Ventura County district rebate sections in this report, customers could also still apply for rebates under CUWCC's Smart Rebates program. Precautions were taken so customers could not obtain multiple rebates for one appliance.

The MWD rebate programs (residential and nonresidential) are funded by MWD through its member agencies' purchased water rates.

### ***BMP 4, 5 CII & Large Landscape Audits***

California American Water's Los Angeles County District contracted with WaterWise Consulting, Inc, and BluewatchDog Conservation to offer free CII and large landscape ("LL") audits to non-residential customers. CII audits include a detailed onsite audit evaluating the facility, water use patterns, indoor water use, and summary of recommendations specific to the property. LL audits include a detailed outdoor audit and the creation of a site-specific water budget and irrigation schedule. In 2015, the Los Angeles County District completed 1 CII audit and 3 LL audits.

The water audit program was funded out of the conservation surcharge one-way balancing account.

#### ***BMP 4, 5 CII & Landscape Upgrade Grant Program***

In 2015, \$8,335 was spent as a funding contribution towards a Sustainable Landscapes Program as part of San Diego's Integrated Regional Water Management Program. The program was made possible by a Proposition 84 grant from the Department of Water Resources. California American Water is one of six partner agencies in this unique public-private partnership and collaborative effort by the San Diego County Water Authority, the County of San Diego, City of San Diego, California American Water, Association of Compost Producers, and Surfrider Foundation. The funding helped to develop a Sustainable Landscape Resource Guide that is available free to all California American Water customers in addition to other benefits of the program.

Although the IRWM program is primarily San Diego County focused, the Landscape Resource Guide that was developed under this program has equal applicability for homeowners throughout California and was therefore made available to all California American Water customers.

The contribution was funded out of the conservation surcharge one-way balancing account. California American Water will be reimbursed for this contribution and customers will receive additional benefits through the program's grant funding.



## Monterey County District

The programs funded by California American Water's conservation surcharge during 2015 are summarized in Table 8 and described in detail in the narrative that follows.

**Table 8. Monterey County District: Conservation Programs**

Name of measure, as listed in Decision or Settlement	Description of measure	Authorized budget 2015 ( $\frac{1}{3}$ of 3 yr budget )	# of units / activities	\$ per unit, activity, etc.	Total \$ spent	Estimated water savings per unit per year	Unit lifespan (years)	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
BMP 1.1 Conservation Coordinator	Conservation staffing	\$33,333		N/A	0	n/a	n/a	n/a	n/a
BMP 1.1 Wholesaler Programs	CUWCC Membership		n/a	n/a	\$0	n/a	n/a	n/a	n/a
BMP 2.1 Public Information	Advertising, PSAs, Community Events	\$133,333	n/a	n/a	\$114,196	n/a	n/a	n/a	n/a
BMP 2.2 School Education	School education program	\$5,000	14	varies	\$9,339	Unknown	-	Unknown	Unknown
BMP 3 Residential Water Audits	Residential audits (In-House)		350	n/a	\$8,336	0.04	5	14.0	70.0
BMP 3 Residential Plumbing Retrofit	Conservation devices – CAW & MPWMD	\$7,500	25,181	varies	\$37,677	-	5	See table 9 below	See table 9 below
BMP 3 HET Direct Installations - Low-Income	N/A	12,000	N/A	N/A	0	0.0425	20	N/A	N/A
BMP 3,4 Residential & Commercial Rebates	Residential & Comm. rebates by CAW and MPWMD	\$533,333	2,077	varies	\$528,866	-	0	See table 10 below	See table 10 below
BMP 3,5	Large Landscape Grants	\$8,333	1	n/a	\$30,000	Unknown			
BMP 4 CII Audits	CII audits by WaterWise Consulting	\$58,333	25	varies	\$34,526	0.66	5	16.5	82.5
BMP 5 Large Landscape Audits	LL audits and water budgets	See BMP 4 above		varies.	See BMP 4 above	0.66	5	0	0
BMP 3,5	WBIC Study/Rain Sensor Install Program	\$8,333	46	varies	\$5,241	unknown	10	unknown	unknown
Total		\$799,500			\$768,182			30.5	152.5

### ***BMP 1.1 Conservation Coordinator (Staffing)***

In 2015, California American Water's Monterey County District conservation staff was compensated as part of regular operating expenses and not through the conservation surcharge.

### ***BMP 2.1 Public Information Program***

California American Water's Monterey County District has participated in a variety of public outreach meetings, community events, and educational campaigns.

All public outreach and educational efforts are managed by California American Water's local external affairs and conservation departments in cooperation with Monterey Peninsula Water Management District's ("MPWMD's") conservation department.

California American Water utilizes professional marketing and design services to develop professional and effective educational brochures, direct mailers, print media advertisements, and other marketing items. The company continued its proactive outreach campaign to help keep water consumption within production limits on the Seaside Basin and Carmel River.

This past year's efforts were largely centered on drought mitigation and ensuring the district complied with the Governor's statewide cutback order. Due to its historic conservation efforts, the Monterey District was ordered to reduce its consumption only by 8 percent compared to 2013 levels – the lowest amount allowable under the order. Other areas in the state were ordered to cut back their consumption by more than 30 percent by comparison.

Numerous mailers were sent to customers reminding them of the drought restrictions and the Rule 14.1 stages and rules. Radio and print ads were also leveraged for this campaign with similar messages. This included mailers about rebates, water schedules and specific watering restrictions.

The campaign was highly successful as Monterey cutback its water use by more than 18 percent in an area that already had some of the lowest per-capita water consumption in the state. In 2015, the following conservation outreach activities were conducted:

#### Public Radio Announcements

California American Water sponsors the Monterey Peninsula's local public radio station and is featured on regular radio spots. This year the company made a major push for conservation by offering specific water saving tips for residents, which included information on rebates and recommended outdoor watering schedules. Themes included: promotion of general conservation tips and the company's Savings are in Season campaign. KAZU FM has a strong listenership within California American Water's Monterey Peninsula service territory. Informal customer feedback to the announcements has been overwhelmingly positive. Advertisement was also conducted in the Carmel Pine Cone, The Monterey Herald, and various other radio stations some of which included Spanish speaking audiences.

#### Print Advertising Campaign

California American Water, leveraging its discount, long-term print advertising contracts with local newspapers, managed to put out a robust print campaign of multiple and repeated messages of various conservation themes. This year the company's focus was the drought and the statewide water consumption cutback order. Ads were run in the Carmel Pine Cone and Monterey County Weekly all promoting conservation, Rule 14.1 awareness and other drought related concepts. In addition, advertisements were purchased in both publications to run through the rest of 2015 in the Pine Cone and intermittently with the Herald. Each of these publications boasts a circulation of 30,000 to 35,000 on the Monterey Peninsula--which roughly equates to the number of California American Water residential service connections within the MPWMD boundaries. Ad themes centered on rebates and basic residential water conservation and drought messages

#### Website: Monterey Water Info

California American Water and MPWMD continued supporting the shared website for the Monterey area, which was established in 2009. The site serves as a one-stop, user-friendly resource for local water users to access information on rebate programs, home water audits, regulated restrictions on the area's water supply and tips for saving water indoors and out.

The website has information for commercial and residential users and provides in-depth information on water wise landscaping. The web address is publicized through direct mail and print advertising efforts and periodically listed

on California American Water customers' bills. The site additionally contains links to the Alliance for Water Efficiency, Water Sense and the American Council for a Water Efficient Economy. In addition, California American Water and the MPWMD continued to support their joint Facebook and Twitter pages. These pages are updated bi-weekly with quick tips about conservation and other important news happening in water on the Monterey Peninsula.

#### Monterey Water Conservation Facebook Page

California American Water in partnership with MPWMD continued its Monterey Water Conservation Facebook page to keep local contacts informed about conservation efforts. The page provides timely conservation tips and news about upcoming events and local water issues.

#### Mailers/Bill Inserts

Throughout the year, the company included inserts on various subjects including water quality information, payment arrangements, rates and its low-income program. In 2015, California American Water customers received an individual mailers and bill inserts about mandatory drought restrictions and Rule 14.1 compliance as well as how residents can do their part to help meet these goals.

#### Social Media

California American Water continued its social media support of conservation outreach by complimenting and echoing the same messaging produced in its print, radio and mailer campaigns. This includes routine updates to both the company's own Facebook page and the one it shares with MPWMD, which focuses on conservation.

California American Water also maintains a Twitter account, which it uses to inform its followers of various news items, including conservation tips and rebate offerings.

#### Earned Media Campaign

California American Water also worked to promote participation in events as well as national programs such as the Environmental Protection Agency's Fix a Leak Week, National Drinking Water Week and National Water Awareness Month, during which California American Water promoted these national endeavors to local media including the Monterey County Herald, Carmel Pine Cone, Monterey County Weekly, KAZU FM, KSBW TV, KION TV, KCBA TV, KSMS TV.

#### Community and Outreach Events

Each year, California American Water and MPWMD participate in various community fairs and events, staffing a conservation booth where California American Water customers can interact with water conservation experts, take advantage of free water saving devices and obtain information about indoor and outdoor water saving appliances and techniques. In 2015, California American Water and MPWMD participated in the following events: Pacific Grove Good Old Days, Earth Day, and through membership in the Water Awareness Committee of Monterey County, the Monterey County Fair.

Costs associated with attending such events included sponsorship fees and booth costs, marketing, materials and giveaways for customers visiting the booth, and booth displays pieces.

#### ***BMP 2.2 School Education Program***

In 2015, California American Water continued reaching its key objectives for ongoing school education and outreach in water conservation.

The key goals included:

Ongoing relationship building with the Water Awareness Committee (WAC);  
Outreach to students at community events offering free educational materials;  
Outreach to students in-class and at afterschool activities to offer education conservation.

#### Zun Zun School Performances

California American Water, through the WAC, offered school presentations by the Zun Zun performance group. In 2015, Zun Zun provided fourteen 45-minute performances within California American Water's service territory. The performances reached a total of 2,715 students and covered topics such as the water cycle, watershed, indoor conservation and conservation tips, including information about fixing leaks.

#### Water Awareness Committee Activities

California American Water coordinated with the WAC to offer school education opportunities and outreach. Activities included class presentations, as well as interactive school assemblies. Both California American Water and the MPWMD are founding members of WAC.

In addition to school education programs, WAC sponsored a Water Awareness Day Celebration at the Monterey County Fair in September. The event was held on Saturday, September 2, 2015. This family-friendly event featured booths including: California American Water, MPWMD and Marina Coast Water District.

The school education program was funded out of the conservation surcharge one-way balancing account.

#### **BMP 3 Residential Water Audits**

California American Water's Monterey district has been providing free Water Wise House Calls to its customers since 2008 and utilizes in house trained audit staff at no cost to the Conservation Budget. The program is available to residents of single and multi-family properties and to owners and managers of apartments and condominiums, offering free residential audits to identify ways by which the customer can save water indoors and outdoors.

California American Water's conservation staff completed 350 Water Wise House Calls in 2015. California American Water promoted the Water Wise House Call program specifically through bill inserts, rebate brochures, offering the service to customers who visited the office to make payments and by targeting customers who had received high water bills and had been billed in the higher tiers of CAW's inclining five-tiered rate design.

During the Water Wise House Calls (audits), California American Water identified common inefficiencies and water waste in some of the Monterey residences. The most common such occurrences were:

- Toilet and faucet leaks
- Irrigation controllers set to run too long resulting in water waste
- Misaligned and broken sprinkler heads
- Customer service line leaks

California American Water's conservation staff educated customers on how to read their water meter and properly adjusted their irrigation controllers where appropriate to meet the plant water needs and to irrigate in compliance with MPWMD's two day a week watering schedule.

#### Leak Detection

California American Water's conservation staff utilizes data logging technology to assist in evaluating difficult to diagnose high water bills by downloading up to 180 days of usage, hour by hour, from the company's radio read meters. By evaluating hourly usage patterns, usage data reports have aided in identifying the date range in which

high usage occurred, and resulted in the identification of issues including having improperly programmed irrigation controllers, leaks in the irrigation system, toilet leaks, service line leaks, and hoses been left running.

**Water Wise House Calls Pilot Program Utilizing Tablet Handheld Computers**

California American Water’s Monterey Division conservation staff in October of 2015 piloted a new Water Use Efficiency Evaluation program for its Residential Water Wise House Call Program utilizing tablet handheld computers and software developed by Droplet Technologies with assistance provided by California American Water.

The new program allowed California American Water to increase the efficiency in how on-site audits are conducted and conservation reports are generated for customers. California American Water staff worked closely with Droplet Technologies during the development stages and provided input to enhance the program to fully meet specific needs.

**BMP 3 Residential Plumbing Retrofit**

California American Water has been offering various free water savings devices for its residential and commercial customers including showerheads and kitchen faucet aerators with a flow rate of 1.5 gallons per minute, bathroom faucet aerators with a flow rate of 0.5 gallons per minute, leak detection tablets/kits and outdoor water saving tools such as soil moisture meters and hose nozzles that automatically shut off when not in use.

In 2015, California American Water and MPWMD distributed the following conservation devices to customers:

<b>Table 9. Monterey County District: BMP 3 &amp; 4 Plumbing Retrofit Detail – California American Water and MPWMD devices</b>							
Devices provided by California American Water							
Name of measure, as listed in Decision or Settlement	# of units / activities provided	\$ per unit, activity, etc.	Total \$ spent 2015	Estimated water savings per unit per year <sup>1</sup>	Unit lifespan	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Showerheads	3,016	\$3.50	\$10,556	0.0062	5	18.7	93.5
Faucet Aerators Bathroom	4,600	\$0.40	\$1,840	0.0017	5	7.8	39.0
Faucet Aerators Kitchen	2,625	\$2.05	\$5,381	0.0017	5	4.5	22.3
Leak Detection tablets	1,900	\$0.06	\$114	0.0007	5	1.3	6.5
Shower Timers	2,568	\$1.05	\$2,696	unknown	5	unknown	unknown
High Efficiency Pre Rinse Spray Valve	16	\$26.00	\$416	0.392	5	6.3	31.4
Dish Squeegees	1,784	\$1.95	\$3,479	unknown		unknown	unknown
Leak Detection Kits	2,620			0.0007	5	1.8	9.0
Moister Meters	3,340	\$1.88	\$6,279	unknown	5	unknown	unknown
Hose Shut off Nozzles	2,712	\$2.55	\$6,916	Varies	3	Varies	Varies
<b>Total</b>	<b>25,181</b>		<b>\$37,677</b>			<b>40.3</b>	<b>201.7</b>
Devices provided by MPWMD							
Showerheads	2600	\$3.59	\$9,334	0.0062	5	16.1	80.6
Showerheads - Hand-Held	508	\$8.95	\$4,547	0.0062	5	3.1	15.7
Lavatory Faucet Aerators	720	\$0.48	\$346	0.0017	5	1.2	6.1
Kitchen Faucet Aerators	225	\$2.75	\$619	0.0017	5	0.4	1.9
Leak Detection tablets	650	\$0.06	\$39	0.0007	5	0.5	2.3
Shower Timers	400	\$1.65	\$660	unknown	5	Varies	Varies
Moister Meters	472	\$2.50	\$1,180	unknown	5	unknown	unknown
Hose Shut Off Nozzle	320	\$3.30	\$1,056	Varies	3	Varies	Varies
<b>Total</b>	<b>5895</b>		<b>\$17,781</b>			<b>21.3</b>	<b>106.7</b>

The residential plumbing retrofit program was funded out of the conservation surcharge one-way balancing account. Items provided through MPWMD were funded out of MPWMD's conservation budget.

### ***BMP 3, 4 Residential and Commercial Rebates (MPWMD Rebates)***

Monterey County District's rebate program is funded by California American Water but administered by MPWMD. California American Water has been working closely with MPWMD to implement advertising campaigns and press releases that draw customers' attention to the rebate program benefits.

During 2015, 2,077 rebate applications were approved.

<b>Table 10. Monterey County District: BMP 3, 4 Residential and Commercial Rebates (MPWMD Rebates)</b>					
<b><u>Types of Fixtures Rebated</u></b>	<b># of rebates</b>	<b>Annual Savings per device (in AF)</b>	<b>total annual savings (in AF)</b>	<b>lifetime in years</b>	<b>lifetime savings (in AF)</b>
High Efficiency Toilet (HET)	252	0.0425	10.71	20	214.2
Ultra-Low Flush to HET	537	0.0425	22.82	20	456.5
Ultra HET	84	0.0425	3.57	20	71.4
High Efficiency Dishwasher	224	unknown	unknown		
High Efficiency Clothes Washer	623	0.1075	67.0	10	670.0
Instant Access Hot Water Systems	26	unknown	unknown		-
On Demand Hot Water-Point of Source	9	Unknown	unknown		-
Zero Use Urinals	1	Unknown	unknown		-
Pint Urinals	2	Unknown	unknown		-
Cisterns	70	Unknown	unknown		-
Smart Controllers	14	Unknown	unknown		-
Rotating Sprinkler Nozzles	194	Unknown	unknown		-
Moisture Sensors	0				
Lawn Removal & Replacement	38 rebates/ 56,805sqft	0.00013	7.39	10	73.9
Graywater	3	unknown	unknown		
<b><u>Total</u></b>	<b>2,077</b>		<b>302.22</b>		<b>1,486.0</b>

The rebate program was funded out of the conservation surcharge one-way balancing account.

### ***BMP 3, 5 Large Landscape Grants***

California American Water's successful landscape grant program, implemented in 2011, continued in 2015 to reduce the water demand of municipal properties by changing landscaping and upgrading irrigation systems. California American Water's large landscape grant program focuses on replacing turf on city properties and schools with low water use plants, and/or installation of water saving irrigation technology. The grant award is intended to provide funding for a demonstration project with high visibility, significant water savings, exemplary landscaping, and/or use of water-saving irrigation technology.

In the winter of 2014, California American Water awarded the Monterey Peninsula Unified School District \$30,000 to replace all high use sprinkler heads with the efficient rotary nozzles for nine of the school's athletic fields and turf areas. Rotary Nozzles deliver larger droplet streams of water at a lower application rate reducing wind deflection and increasing irrigation efficiency. Because the water is applied more slowly, more water is able to soak into the soil. In addition, rotary nozzles' highly efficient water delivery reduces soil erosion and run off, saving water and money. The potential estimated annual water savings for this project amount to 1,000,000 gallons. The project began in December of 2014 and was completed in March of 2015.

#### ***BMP 3, 5 WBIC, Rain Sensor Install Program and Soil Moisture Sensor***

California American Water continued its Rain Sensor & Soil Moisture Sensor Installation Program through its contractor EcoTech and has installed 401 rain sensors since the program began in 2011 for residential and non-residential customers. In addition, soil moisture sensors were offered to select customers in 2015 that have landscapes which benefit from such a device. In 2015, there were a total of 46 rain sensors and 10 soil moisture sensors installed.

Targeted candidates for rain and soil moisture sensor upgrades are typically customers with usage in the 4<sup>th</sup> and 5<sup>th</sup> tier of Monterey's five tiered residential rate structure during the months of November through April indicating possible over-irrigation occurring during winter months.

#### ***BMP 4 CII Audits***

California American Water continued its commercial audit program established in 2009 along with its contract with Water Wise Consulting to conduct commercial, institutional, and industrial audits during 2015. Water Wise Consulting completed 25 audits. Since the program began in 2009, over 257 commercial customers have participated in such survey and implemented significant water savings as a result.

California American Water's conservation staff followed up with the customers on site and in person to review the audit reports and provided free devices, such as faucet aerators and pre-rinse spray valves.

Customers were given audit reports that focused on applicable water-saving devices, and estimated water and cost savings together with expected payback periods for such upgrades. The payback period calculations included the rebate incentives available to CII customers through the California American Water and MPWMD Rebate Program.

## Sacramento District

The programs funded by California American Water's conservation surcharge during 2015 are summarized in Table 11 and described in detail in the narrative that follows.

Table 11. Sacramento District: Conservation Programs									
Name of measure, as listed in Decision or Settlement	Description of measure	Authorized 2015 budget –	# of units / activities	\$ per unit, activity, etc.	Total \$ spent	Estimated water savings per unit per year	Unit lifespan (years)	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
BMP 1.1 Conservation Coordinator	Conservation staffing	31,987	1 Rep	N/A	86,088	n/a	n/a	n/a	n/a
BMP 1.1 Wholesaler pgms	CUWCC Membership		n/a	n/a	3,326	n/a	n/a	n/a	n/a
BMP 1.1 Wholesaler pgms	RWA Membership		n/a	n/a	35,709	n/a	n/a	n/a	n/a
BMP 2.1 Public Information	Advertising, PSAs, Community Events	66,639	17	n/a	62,779	n/a	n/a	n/a	n/a
BMP 2.2 School Education	School education pgm by Resource Action Pgms	41,008	254	varies	6,784	0.006 (Showerhead etc. in kit)	5	1.5	7.6
BMP 3 Residential Water Audits	Residential audits by WaterWise Consulting and in-house	26,655	286	Approx. \$260	16,084	0.04	5	11.4	57.2
BMP 3 Residential Rebates	Residential rebates by CAW and CUWCC (HECW)	15,378	146	varies	37,324	0.1075	10	15.7	157.0
BMP 3 Residential Rebates	Residential rebates by CAW and CUWCC (HET)	20,504	570	varies	71,374	0.0425	20	24.2	484.5
BMP 3 Residential Plumbing Retrofit	Conservation devices	25,630	14,131	varies	27,353	varies	5	See table 12 below	See table 12 below
BMP 3 Residential Low-Income Direct Install	Joint Water/Energy Direct Install	44,904	1	varies	2,500	0.0425	20	0	0
BMP 4 & 5 CII & Large Landscape Audits	LL & CII audits by WaterWise Consulting	164,033	13	varies	78,013	0.66	5	8.6	42.9
BMP 4 & 5 Commercial Rebates	Commercial rebates by CAW and CUWCC (HET & HEW & WBIC)	20,504	3	varies	526	0.0425 & 0.1075	10/20	0.3	6.5
BMP 1.1 Wholesaler Programs	CUWCC Membership		n/a	n/a	3,326	n/a	n/a	n/a	n/a
	Turf Exchange Rebates	30,756	197/199,081sqft	\$2 per sq. ft.	68,287	0.00014 per sq ft	10	89.7	279.0
<b>Total</b>		<b>\$487,998</b>			<b>499,473</b>			<b>89.7</b>	<b>1,034.7</b>



### ***BMP 1.1 Conservation Coordinator (Staffing)***

In 2015, California American Water's Sacramento District funded one full-time Conservation Representative position. The conservation staff conducted residential water surveys and supported the administration of the conservation program by responding to customer inquiries, conducting conservation patrols, staffing public outreach conservation events, tracking equipment inventory, assisting customers with rebate applications, and reaching out to customers to publicize all the programs available to them. The staff position also conducted turf removal rebate pre- and post inspections at customer sites. California American Water also hired a temporary staff person in October of 2015 to cope with drought related workload increases. The conservation Representative position was funded out of the conservation surcharge one-way balancing account; the temp employee was funded through California American Water's Drought Memorandum Account.

### ***BMP 2.1 Public Information Program***

In 2015, California American Water's Sacramento district substantially increased communications to customers as a result of the drought. A springtime campaign focused on customer service included direct mail, bill inserts, weekly emails, online advertising and newspaper and magazine advertising. 4000 customers were also visited by contractors who provided conservation information and devices including hose nozzles. In May the company activated its mandatory conservation schedule with the ability to penalize wasteful uses of water. All customers received notices about the change in the mail and in their bill. As summer continued, the focus shifted to local messages through a variety of communications channels

The Company inserted information in bills to all customers about conservation services and rebates and began providing monthly bill text messages with information about reductions achieved compared to previous years. 5 direct mailers with conservation information to customers were sent throughout the course of the year. community meetings around the district took place to discuss conservation, the drought and the Company's response and the CPUC held one public hearing California American Water's external affairs team also attended and presented information to over 20 community meetings sponsored by various groups including cities, Homeowner Associations, local elected officials and Neighborhood Watch groups. Public information about water meters, conservation programs, rebates and services were a central theme at each of these meetings and greatly increased the penetration of the Company's conservation marketing efforts.

California American Water also expanded its internet and digital communications in 2015. A special drought page for its website featured monthly updates on water use reductions for each district and a water waste reporting feature. Drought and conservation messaging was also increased through the company's Facebook page and Twitter feed and paid advertising was purchased. Constant Contact emails were used to reach about 15,000 customers in Sacramento.

The public information program was funded out of the conservation surcharge one-way balancing account, community relations budgets and through California American Water's drought memorandum account.

### ***BMP 2.2 School Education Program***

California American Water's Sacramento District is a member agency of Sacramento's Regional Water Authority ("RWA") and offers school outreach programs as part of the Regional Water Efficiency Program. RWA's Water Efficiency Program ("WEP") includes an array of measures aimed at improving water efficiency and meeting best management practices ("BMP's") for urban conservation. The program includes core activities such as public information, school education, marketing coordination, grant applications and technical assistance. In addition, California American Water partners with Resource Action Programs ("RAP") similar to its other districts to provide school education programs through RAP's LivingWise Program. In 2015, approximately 9,600 students were reached through both programs

The school education program was funded out of the conservation surcharge one-way balancing account.

### ***BMP 3 Residential Water Audits***

California American Water's Sacramento District performed a large number of residential water surveys in 2015 in house by its own conservation staff. Few residential surveys were contracted out in 2015 due to scheduling conflicts or greater demand than could be handled by in house staff in a timely manner. The contracted out surveys were conducted by WaterWise Consulting Services, Inc. All audits include a detailed assessment of the indoor and outdoor usage, an individualized water budget, recommended monthly irrigation schedule, as well as a comprehensive audit package with applicable water saving devices, (water and energy) rebate application forms, and educational material. All audit data and information is collected and maintained in an Excel database to allow for easy tracking of water saving opportunities and to obtain a district profile for toilets and other water saving devices.

The residential water audit program for the surveys conducted through WaterWise Consulting was funded out of the conservation surcharge one-way balancing account. Expenses for the conservation devices and materials are included in the Residential Plumbing Retrofit section of this report.

### ***Water Waste Patrols***

California American Water's Sacramento District has been performing regular Water Waste Patrols alerting customers of leaks, excessive run off or irrigation timers that run during mid-day hours. The Water Waste Patrols are done by in house staff similar to other districts wherever workload allows for such. Conservation staff from the Sacramento District has been handing out informational handouts, rebate info or, in some cases, water savings devices upon customer request.

### ***BMP 3 Residential Plumbing Retrofit***

California American Water provides customers various water saving devices including showerheads, faucet aerators (kitchen and bathroom), toilet leak detection tablets, garden hose spray nozzles, soil probes, and educational pamphlets. These devices and informative materials are designed to help residential customers upgrade their indoor water use fixtures, identify leaks, and improve outdoor water usage for car washing and irrigation. The devices and material are provided to customers upon request at community events and meetings, office walk-ins, customer call-ins, and through the home water survey program.

The residential plumbing retrofit program was funded out of the conservation surcharge one-way balancing account.

The following devices were purchased and provided to customers in 2015:

**Table 12. Sacramento District: BMP 3 & 4 Residential Plumbing Retrofit- Detail**

Name of measure, as listed in Decision or Settlement	# of units / activities provided	\$ per unit, activity, etc.	Total \$ spent 2015	Estimated water savings per unit per year	Unit lifespan	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Showerheads	2730	\$4.72	12,886	0.0062	5	16.9	84.6
Faucet Aerators	4864	\$0.55	2,675	0.0017	5	8.3	41.3
Toilet Flappers	0	\$1.50	0	0.0047	5	0	0
Tank banks	1	\$1.25	1	unknown	5	unknown	Unknown
Drip Gauge	6	\$0.28	2	unknown	5	unknown	Unknown
Leak Detection tablets	3153	\$0.06	189	0.0007	5	2.2	11.0
Shower Timers	1160	\$1.65	1,914	unknown	5	unknown	Unknown
Hose spray nozzle	1573	\$3.30	5,191	unknown	5	unknown	Unknown
Moisture Sensor	1049	\$2.50	2,622	unknown	5	unknown	Unknown
Rain & Sprinkler Gauge	1	\$1.35	1	unknown	5	unknown	Unknown
Hose Timers	214	\$8.75	1,872	unknown	5	unknown	Unknown
Total	14,751		27,353	-		27.4	137.0

### ***BMP 3 Low-Income Direct Installation Program***

A Joint Water/Energy low-income direct installation program was implemented in the Sacramento District as a first of its kind of this magnitude in California. The program is a jointly funded partnership program with mutual customers of California American Water and Pacific Gas and Electric. The program installs water and energy savings upgrades and retrofits free of charge at low income customers' homes. The program provisions for retrofitting approx. 2,000 low income customers in California American Water's Sacramento, Monterey and Larkfield districts through 2016 and early 2017 with the majority of these 2,000 customers being in Sacramento. The program was initiated in Sacramento in late 2015 and several retrofits took place, however, invoicing did not commence until 2016.

The low-income direct installation program was funded out of the conservation surcharge one-way balancing account.

### ***BMP 3, 4 Residential and Commercial Rebates (CUWCC Smart Rebates and California American Water in-house rebates)***

In the Sacramento District, rebates in 2015 were provided to customers primarily through California American Water's in-house rebate program offering a number of residential and commercial incentives. Sacramento customers are also offered rebates through the Regional Water Authority ("RWA") and, as previously mentioned, through CUWCC's Smart Rebates program. Precautions were taken so customers could not obtain multiple rebates for one appliance.

California American Water's Sacramento district costs for this program are funded from the conservation surcharge collected on customers' bills each month.

### ***BMP 4, 5 CII & Large Landscape Audits***

California American Water-Sacramento District contracted with WaterWise Consulting, Inc, to offer free CII and large landscape ("LL") audits to non-residential customers. CII audits include a detailed onsite audit evaluating the facility, water use patterns, indoor water use, and summary of recommendations specific to the property. LL audits

include a detailed outdoor audit and the creation of a site-specific water budget and irrigation schedule. In 2015, Sacramento completed 8 CII audits and 5 LL audits.

The CII & LL water audit program was funded out of the conservation surcharge one-way balancing account.

***BMP 3, 4, 5 Turf Exchange Rebate Program***

In 2015, the Sacramento district continued to offer residential and commercial turf rebates for qualified customers through its in-house program. All rebates required a pre- and post inspection through California American Water's conservation staff. The program required the removal of traditional spray overhead irrigation and specified low water use plant selections. Almost 200 customers participated and received such rebate and close to 200,000 square feet of turf were removed.

The turf exchange rebate program was funded in part out of the conservation surcharge one-way balancing account with additional funding through California American Water's drought memorandum account.

## Larkfield District

The programs funded by California American Water's conservation surcharge during 2015 are summarized in Table 15 and described in detail in the narrative that follows.

Name of measure, as listed in Decision or Settlement	Description of measure	Authorized 2015 budget	# of units / activities	\$ per unit, activity, etc.	Total \$ spent	Estimated water savings per unit per year	Unit lifespan (years)	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
BMP 1.1 Conservation Coordinator	Conservation staffing	\$13,745	1 part time staff	N/A	6,311	n/a	n/a	n/a	n/a
BMP 1.1 Wholesaler pgms	CUWCC Membership		n/a	n/a	98	n/a	n/a	n/a	n/a
BMP 2.1 Public Information	Advertising, PSAs, Community Events, Demonstration Gardens	\$3,594	1		861	n/a	n/a	n/a	n/a
BMP 2.2 School Education	School education pgm (in house)	\$513	0	4.65	0	n/a	n/a	n/a	n/a
BMP 3 Residential Water Audits	Residential audits by WaterWise Consulting and in-house staff	\$3,594	9	195	212	0.04	5	0.4	1.8
BMP 3 Residential Rebates	Residential rebates by CAW and CUWCC (HECW)	\$1,540	7	varies	1,325	0.1075	10	0.8	8.0
BMP 3 Residential Rebates	Residential rebates by CAW and CUWCC (HET)	\$1,540	22	varies	3,171	0.0425	20	0.9	18.7
BMP 3 Residential Plumbing Retrofit	Conservation devices (shwrhd, aerators)	\$1,540	705	varies	1,405	varies	5	See table 14 below	See table 14 below
BMP 4, Commercial Rebates	Commercial rebates by CAW and CUWCC (HET & HEW & WBIC)	\$1,540	0	varies	0	Varies	varies		
BMP 4	CII Surveys	\$2,567	0	varies	0	0.66	10		
BMP 3 & 4, Turf Exchange	Turf Exchange Rebates (In house)	0	11rebt/9,454sq ft		17,195	0.00014 per sqf	10	1.3	13.0
<b>Total</b>		<b>\$30,173</b>			<b>30,578</b>			<b>3.4</b>	<b>41.5</b>

### ***BMP 1.1 Conservation Coordinator (Staffing)***

In 2015, California American Water's Larkfield District funded one limited part time conservation staff position for most of the year, turning into a full time temp position in late 2015 in response to the severe drought and the need for additional conservation support. The conservation staff supported the administration of the conservation program by tracking equipment inventory, scheduling water wise house surveys, conducting research, responding to customer questions on conservation programs such as residential audits and the turf exchange rebate program, and reaching out to customers to publicize all the programs available to them. The conservation staff also kept on

top of drought conditions. The conservation staff position was funded out of the conservation surcharge one-way balancing account and partially through California American Water's drought memorandum account.

### ***BMP 2.1 Public Information Program***

Larkfield was the first district in California American Water to activate its mandatory conservation programs which included enforcement penalties in response to the state drought and strained local supply conditions. California American Water's Larkfield District participated in a variety of public outreach meetings, community events, and educational campaigns. In 2015, California American Water maintained ongoing community meeting participation with the Larkfield Chamber of Commerce, local elected officials (including town halls in Fulton and Larkfield and candidate forums in the area) and active community members to engage them in water conservation campaigns and program development; and attended Sonoma County Water Agency's ("SCWA") water conservation coordinators meetings. California American Water one community meeting on its own and the CPUC held one public hearing. In addition, the Company produced 5 mailers and 3 bill inserts with information about rebates and services to all customers, mandatory drought restrictions and alerting them to existing programs, such as residential audits, residential rebates, conservation device giveaways, and the turf replacement program.

California American Water also expanded its internet and digital communications in 2015. A special drought page for its website featured monthly updates on water use reductions for each district and a water waste reporting feature. Drought and conservation messaging was also increased through the company's Facebook page and Twitter feed.

Perhaps most significantly, California American Water entered into a formal funding agreement with the regional water conservation organization – the Sonoma Marin Saving Water Partnership. This organization operates on a fiscal year calendar – their work for the first half of 2015 is highlighted here:

<http://www.savingwaterpartnership.org/about-us/annual-report/>

The public information program was funded out of the conservation surcharge one-way balancing account, community relations budgets and through California American Water's drought memorandum account.

### ***BMP 2.2 School Education Program***

Larkfield conservation staff looked into school educational programming, but did not perform any school outreach programs in 2015. Water saving kits for distribution at the elementary schools such as tooth brushing kits containing a toothbrush, 2 minute water timer, activity book highlighting ways to save water, and bathroom stickers with water and energy saving tips were purchased. Water conservation coloring books which had been requested by a local elementary for curriculum supplementation were distributed in 2015.

### ***BMP 3 Residential Water Audits***

California American Water's Larkfield District contracted with WaterWise Consulting Services to provide free residential audits for single and multi-family properties. The audits include a detailed assessment of the indoor and outdoor usage, an individualized water budget, recommended monthly irrigation schedule, as well as a comprehensive audit package with applicable water savings devices, (water and energy) rebate application forms, and educational material. One such audit (residential) was performed by this vendor in 2015. A number of audits were also performed by in-house Operations staff in 2015.

The residential water audit program was funded out of the conservation surcharge one-way balancing account. Expenses for the conservation devices and materials are included in the Residential Plumbing Retrofit section of this report.

### **BMP 3, 4 Residential and Commercial Rebates (CUWCC Smart Rebates, California American Water in-house rebates)**

In the Larkfield District, rebates in 2015 were provided to customers primarily through California American Water's in-house rebate program offering a number of residential and commercial incentives. Also, as previously mentioned, rebates were available through CUWCC's Smart Rebates program. Customers were also able to apply for rebates through the Sonoma County Sanitation District. Precautions were taken so customers could not obtain multiple rebates for one appliance.

### **BMP 3 Residential Plumbing Retrofit**

California American Water provides customers various water saving devices including showerheads, faucet aerators (kitchen and bathroom), toilet leak detection tablets, garden hose spray nozzles, soil probes, and educational pamphlets. These devices and informative materials are designed to help residential customers upgrade their indoor water use fixtures, identify leaks, and improve outdoor water usage for car washing and irrigation. The devices and material are provided to customers upon request at community events and meetings, office walk-ins, customer call-ins, and through the home water survey program.

The residential plumbing retrofit program was funded out of the conservation surcharge one-way balancing account.

The following devices were provided to Larkfield area customers in 2015:

Name of measure, as listed in Decision or Settlement	# of units / activities provided	\$ per unit, activity, etc.	Total \$ spent 2015	Estimated water savings per unit per year	Unit lifespan	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Showerheads	116	\$3.50	\$406	0.0062	5	0.7	3.6
Faucet Aerators	71	\$0.40	\$29	0.0017	5	0.1	0.6
Toilet Flappers	34	\$1.25	\$43	0.0047	5	0.2	0.8
Tank banks	10	\$1.25	\$13	unknown		unknown	unknown
Drip Gauge	3	\$0.28	\$1	unknown		unknown	unknown
Leak Detection tablets	164	\$0.06	\$9	0.0007	5	0.1	0.6
Shower Timers	18	\$1.65	\$29	unknown		unknown	unknown
Hose spray nozzle	191	\$3.30	\$630	unknown		unknown	unknown
Moisture Sensor	98	\$2.50	\$245	unknown		unknown	unknown
Rain & Sprinkler Gauge	0	\$1.35	-0	unknown		unknown	unknown
Hose Timers	0	\$6.75	-0	unknown		unknown	unknown
<b>Total</b>	<b>705</b>		<b>\$1,405</b>	<b>-</b>	<b>-</b>	<b>1.1</b>	<b>5.6</b>

### **BMP 4, 5 CII & Large Landscape Audits**

California American Water's Larkfield District contracted with WaterWise Consulting to offer free CII and large landscape ("LL") audits to non-residential customers. CII audits include a detailed onsite audit evaluating the facility, water use patterns, indoor water use, and summary of recommendations specific to the property. LL audits include a detailed outdoor audit and the creation of a site-specific water budget and irrigation schedule. In 2015, **no CII** audit was completed in Larkfield.

***BMP 3, 4, 5 Turf Exchange Rebate Program***

The Larkfield district continued to offer residential and commercial turf rebates for qualified customers through its in-house program. All rebates required a pre- and post inspection through California American Water's conservation staff. The program required the removal of traditional spray overhead irrigation and specified low water use plant selections. In 2015, 9,454 sqft of turf area was replaced. Along with the turf exchange rebate, the Larkfield district also offered a rebate on qualifying irrigation smart controllers; the rebate amount for residential customers was \$200 while the rebate amount for commercial customers was \$50 per station. Both commercial and residential customers can receive \$40 for rain sensors to attach to existing irrigation systems.



## Schedule E- 4 Report on Affiliate Transactions

**Affiliate includes all related companies including but not limited to Parent, Affiliates, and Subsidiaries.**

### INSTRUCTIONS:

\* For those utilities with specifically authorized affiliate transaction rules, provide all information required by those rules.

\* For those utilities with no specifically authorized affiliate transaction rules, or those utilities whose authorized affiliate transaction rules do not provide the following information, provide the following:

1. Summary of all transactions between regulated water utility and its affiliated companies for the previous calendar year. The summary shall include a description of each transaction and an accounting of all dollars associated with each transaction although each transaction need not be separately identified where multiple transactions occur in the same account. These transactions shall include:

(a) services provided by regulated water utility to any affiliated company; Support services to Hawaii-American Water Company, a subsidiary of AWW These services included management, finance, legal, HR, engineering, construction management and environmental.	\$60,539
--	----------

(b) services provided by any affiliated company to regulated water utility; Governance & Corporate Activities (includes finance, HR, admin, audit, legal, business development, finance, investor relations, operations, communications and regulatory) Other Business Services (includes call center, lab, supply chain, IT, shared services & benefits center)	\$5,186,585
Total	\$9,624,223
	\$14,810,808

(c) assets (both tangible and intangible) transferred from regulated water utility to any affiliated company;  
None

(d) assets (both tangible and intangible) transferred from any affiliated company to regulated water utility;  
None

(e) employees transferred from regulated water utility to any affiliated company;  
0

(f) employees transferred from any affiliated company to regulated water utility; and  
2

(g) financing arrangements and transactions between regulated water utility and any affiliated company.

All financing activities are covered by an agreement between American Water Capital Corporation (AWCC) and California-American Water Company.

(h) Services provided by and/or assets transferred from the parent holding company to affiliate company which may have germane utility regulations impacts; and  
None

(i) Services provided by and/or assets transferred from affiliated company to the parent holding company which may have germane utility regulation impacts.  
None

**Schedule E-4 Attachment**  
**CALIFORNIA AMERICAN WATER - SHARED DIRECTORS AND OFFICERS AS OF JULY 12, 2016**  
**Per Affiliate Transaction Rule IV.C**

Personnel Name	Business Entity	Title Role	Title
Cerasuolo, Anthony	California-American Water Company	Officer	Vice President, Legal – Operations & Secretary
Cerasuolo, Anthony	Hawaii-American Water Company	Director	Director
Cerasuolo, Anthony	Hawaii-American Water Company	Officer	Vice President, Legal - Operations
Dana, Jeffrey	California-American Water Company	Officer	Vice President - Finance and Treasurer
Dana, Jeffrey	Hawaii-American Water Company	Director	Director
Dana, Jeffrey	Hawaii-American Water Company	Officer	Vice President - Finance and Treasurer
Deck, Elba	Michigan-American Water Company	Officer	Assistant Comptroller
Deck, Elba L.	American Lake Water Company	Officer	Assistant Comptroller
Deck, Elba L.	American Water Works Service Company, Inc.	Officer	Assistant Controller
Deck, Elba L.	AWI, Inc.	Officer	Controller
Deck, Elba L.	Bluefield Valley Water Works Company	Officer	Assistant Comptroller
Deck, Elba L.	California-American Water Company	Officer	Assistant Comptroller
Deck, Elba L.	Edison Water Company	Officer	Assistant Comptroller
Deck, Elba L.	Environmental Disposal Corp.	Officer	Assistant Comptroller
Deck, Elba L.	Hawaii-American Water Company	Officer	Assistant Comptroller
Deck, Elba L.	Illinois-American Water Company	Officer	Assistant Comptroller
Deck, Elba L.	Indiana-American Water Company, Inc.	Officer	Assistant Comptroller
Deck, Elba L.	Iowa-American Water Company	Officer	Assistant Comptroller
Deck, Elba L.	Kentucky-American Water Company	Officer	Assistant Comptroller
Deck, Elba L.	Liberty Water Company	Officer	Assistant Comptroller
Deck, Elba L.	Maryland-American Water Company	Officer	Assistant Comptroller
Deck, Elba L.	Missouri-American Water Company	Officer	Assistant Comptroller
Deck, Elba L.	Mt. Ebo Sewage Works, Inc.	Officer	Assistant Comptroller
Deck, Elba L.	New Jersey-American Water Company, Inc.	Officer	Assistant Comptroller
Deck, Elba L.	New York American Water Company, Inc.	Officer	Assistant Comptroller
Deck, Elba L.	Pennsylvania-American Water Company	Officer	Assistant Comptroller
Deck, Elba L.	Tennessee-American Water Company	Officer	Assistant Comptroller
Deck, Elba L.	Virginia-American Water Company	Officer	Assistant Comptroller
Deck, Elba L.	West Virginia-American Water Company	Officer	Assistant Comptroller
Donohue, Deana L	California-American Water Company	Officer	Vice President - Engineering
Donohue, Deana L	Hawaii-American Water Company	Director	Director
Donohue, Deana L	Hawaii-American Water Company	Officer	Vice President - Engineering
Fulter, Stacey	California-American Water Company	Officer	Assistant Treasurer
Fulter, Stacey	Hawaii-American Water Company	Officer	Assistant Treasurer
Girard, Lori	California-American Water Company	Officer	Assistant Secretary
Girard, Lori	Hawaii-American Water Company	Officer	Secretary
Horning, Kathryn	California-American Water Company	Officer	Assistant Secretary
Horning, Kathryn	Hawaii-American Water Company	Officer	Assistant Secretary
Lee, Susan	American Lake Water Company	Officer	Assistant Treasurer
Lee, Susan	Bluefield Valley Water Works Company	Officer	Assistant Treasurer
Lee, Susan	California-American Water Company	Officer	Assistant Treasurer
Lee, Susan	Environmental Disposal Corp.	Officer	Assistant Treasurer
Lee, Susan	Hawaii-American Water Company	Officer	Assistant Treasurer
Lee, Susan	Illinois-American Water Company	Officer	Assistant Treasurer
Lee, Susan	Indiana-American Water Company, Inc.	Officer	Assistant Treasurer
Lee, Susan	Iowa-American Water Company	Officer	Assistant Treasurer
Lee, Susan	Kentucky-American Water Company	Officer	Assistant Treasurer
Lee, Susan	Maryland-American Water Company	Officer	Assistant Treasurer
Lee, Susan	Michigan-American Water Company	Officer	Assistant Treasurer
Lee, Susan	Missouri-American Water Company	Officer	Assistant Treasurer
Lee, Susan	Tennessee-American Water Company	Officer	Assistant Treasurer
Lee, Susan	Virginia-American Water Company	Officer	Assistant Treasurer
Lee, Susan	West Virginia-American Water Company	Officer	Assistant Treasurer
Lee, Susan S.	Pennsylvania-American Water Company	Officer	Assistant Treasurer
Leeper, Sarah	California-American Water Company	Officer	Vice President, Legal – Regulatory & Assistant Secretary
Leeper, Sarah	Hawaii-American Water Company	Officer	Vice President, Legal - Regulatory
Lynch, Walter J.	American Water Capital Corp.	Director	Director
Lynch, Walter J.	American Water Works Company, Inc.	Officer	Executive Vice President and Chief Operating Officer
Lynch, Walter J.	American Water Works Service Company, Inc.	Director	Director
Lynch, Walter J.	American Water Works Service Company, Inc.	Officer	Executive Vice President and Chief Operating Officer

**Schedule E-4 Attachment**  
**CALIFORNIA AMERICAN WATER - SHARED DIRECTORS AND OFFICERS AS OF JULY 12, 2016**  
**Per Affiliate Transaction Rule IV.C**

Personnel Name	Business Entity	Title Role	Title
Lynch, Walter J.	AWI, Inc.	Director	Director
Lynch, Walter J.	California-American Water Company	Director	Director
Lynch, Walter J.	E'Town Properties, Inc.	Director	Director
Lynch, Walter J.	E'Town Properties, Inc.	Officer	President
Lynch, Walter J.	Laurel Oak Properties Corporation	Director	Director
Lynch, Walter J.	Water Solutions Holdings, LLC	Director	Director
MacLean, Robert	California-American Water Company	Director	Director
MacLean, Robert	California-American Water Company	Officer	President
MacLean, Robert	Hawaii-American Water Company	Director	Director
MacLean, Robert	Hawaii-American Water Company	Officer	President
McKeever, Michael	Michigan-American Water Company	Officer	Assistant Comptroller
McKeever, Michael B.	American Lake Water Company	Officer	Assistant Comptroller
McKeever, Michael B.	Bluefield Valley Water Works Company	Officer	Assistant Comptroller
McKeever, Michael B.	California-American Water Company	Officer	Assistant Comptroller
McKeever, Michael B.	Edison Water Company	Officer	Assistant Comptroller
McKeever, Michael B.	Environmental Disposal Corp.	Officer	Assistant Comptroller
McKeever, Michael B.	Hawaii-American Water Company	Officer	Assistant Comptroller
McKeever, Michael B.	Illinois-American Water Company	Officer	Assistant Comptroller
McKeever, Michael B.	Indiana-American Water Company, Inc.	Officer	Assistant Comptroller
McKeever, Michael B.	Iowa-American Water Company	Officer	Assistant Comptroller
McKeever, Michael B.	Kentucky-American Water Company	Officer	Assistant Controller
McKeever, Michael B.	Liberty Water Company	Officer	Assistant Comptroller
McKeever, Michael B.	Maryland-American Water Company	Officer	Assistant Comptroller
McKeever, Michael B.	Missouri-American Water Company	Officer	Assistant Comptroller
McKeever, Michael B.	Mt. Ebo Sewage Works, Inc.	Officer	Assistant Comptroller
McKeever, Michael B.	New Jersey-American Water Company, Inc.	Officer	Assistant Comptroller
McKeever, Michael B.	New York American Water Company, Inc.	Officer	Assistant Comptroller
McKeever, Michael B.	Pennsylvania-American Water Company	Officer	Assistant Comptroller
McKeever, Michael B.	Tennessee-American Water Company	Officer	Assistant Comptroller
McKeever, Michael B.	Virginia-American Water Company	Officer	Assistant Comptroller
McKeever, Michael B.	West Virginia-American Water Company	Officer	Assistant Comptroller
Norton, Cheryl	Missouri-American Water Company	Director	Director
Norton, Cheryl	Missouri-American Water Company	Officer	President
Norton, Cheryl D.	California-American Water Company	Director	Director
Svindland, Richard	California-American Water Company	Officer	Vice President - Operations
Svindland, Richard	Hawaii-American Water Company	Director	Director
Svindland, Richard	Hawaii-American Water Company	Officer	Vice President - Operations
Tilden, Kevin A.	California-American Water Company	Officer	Vice President, External Affairs
Tilden, Kevin A.	Hawaii-American Water Company	Officer	Vice President, External Affairs
Vallejo, Edward J.	American Water Works Service Company, Inc.	Officer	Vice President - Financial Strategy, Planning and Decision Support
Vallejo, Edward J.	California-American Water Company	Director	Director
Wilde, John	American Water Enterprises, Inc.	Officer	Assistant Comptroller
Wilde, John	American Water Works Service Company, Inc.	Officer	Assistant Controller
Wilde, John	AWI, Inc.	Officer	Assistant Controller
Wilde, John	California-American Water Company	Officer	Assistant Comptroller
Wilde, John	Edison Water Company	Officer	Assistant Comptroller
Wilde, John	Hawaii-American Water Company	Officer	Assistant Comptroller
Wilde, John	Liberty Water Company	Officer	Assistant Comptroller
Wilde, John	Mt. Ebo Sewage Works, Inc.	Officer	Assistant Comptroller
Wilde, John	New Jersey-American Water Company, Inc.	Officer	Assistant Comptroller
Wilde, John	New York American Water Company, Inc.	Officer	Assistant Comptroller
Wilde, John R.	American Water Capital Corp.	Officer	Vice President and Comptroller
Wilde, John R.	Pennsylvania-American Water Company	Officer	Assistant Comptroller
Wilkirson, Lilian	California-American Water Company	Officer	Vice President - Human Resources
Wilkirson, Lilian	Hawaii-American Water Company	Officer	Vice President - Human Resources

**CLASS A, B, C AND D WATER COMPANIES  
SAFE DRINKING WATER BOND ACT/STATE REVOLVING FUND DATA**

Please provide the following information relating to each Safe Drinking Water Bond Act (SDWBA) or Safe Drinking Water State Revolving Fund loan surcharge collection for the calendar year. Please use one page per loan.

1. Current Fiscal Agent:

Name:	<u>Wells Fargo Corporate Trust Services</u>
Address:	<u>333 Market Street, San Francisco CA</u>
Phone Number:	<u>415-371-3400</u>
Account Number:	<u>82295700</u>
Date Hired:	<u>September 2010</u>

2. Total surcharge collected from customers during the 12 month reporting period:

Meter Size	No. of Metered Customers	Monthly Surcharge Per Customer
3/4 inch		
1 inch		
1 1/2 inch		
2 inch		
3 inch		
4 inch		
6 inch		
Number of Flat Rate Customers	47	16.62
<b>Total</b>	<b>47</b>	<b>16.62</b>

3. Summary of the bank account activities showing:

Balance at beginning of year	<u>\$12,380</u>
Deposits during the year	<u>10,175</u>
Interest earned for calendar year	
Withdrawals from this account	<u>(9,249)</u>
Balance at end of year	<u>13,306</u>

4. Reason or Purpose of Withdrawal from this bank account:

Loan payment  
AL 1091 requesting refund of over-collected balances not yet reflected in this schedule  
as it was approved Feb 10, 2016.

**FOR ALL WATER COMPANIES  
SAFE DRINKING WATER BOND ACT/STATE REVOLVING FUND DATA (Continued)**

5. Plant amounts included in Schedule A-1a, Account No. 101--Water Plant in Service which were funded using SDWBA or SRF funds:

Line No.	Acct. No.	Title of Account (a)	Balance Beginning of Year (b)	Plant Additions During Year (c)	Plant Retirements During Year (d)	Other Debits* or (Credits) (e)	Balance End of Year (f)
		NON-DEPRECIABLE PLANT					
1	301	Intangible plant					
2	303	Land					
3		Total non-depreciable plant					
		DEPRECIABLE PLANT					
5	304	Structures	21,303				21,303
6	307	Wells					
7	317	Other water source plant					
8	311	Pumping equipment	16,502				16,502
9	320	Water treatment plant	124,714				124,714
10	330	Reservoirs, tanks and sandpipes	185,070				185,070
11	331	Water mains	67,713				67,713
12	333	Services and meter installations					
13	334	Meters					
14	335	Hydrants					
15	339	Other equipment					
16	340	Office furniture and equipment					
17	341	Transportation equipment					
18		Total depreciable plant					
19		Total water plant in service	415,302				415,302



**DECLARATION**

**(PLEASE VERIFY THAT ALL SCHEDULES ARE ACCURATE AND COMPLETE BEFORE SIGNING)**

I, the undersigned Richard C. Svindland  
Name of District Manager or Equivalent (Please Print)  
of Water Report for All Districts District  
Name of District  
of California-American Water Company  
Name of Utility  
at 1033 B Avenue Coronado, CA 92118  
Address of District Office

under penalty of perjury do declare that this report has been prepared by me, or under my direction, from the books, papers and records of the respondent; that I have carefully examined the same, and declare the same to be a complete and correct statement of the business and affairs of the above-named respondent and the operations of its property for the period of January 1, 2015, through December 31, 2015.

VP - Operations  
Title (Please Print)

  
Signature

916-568-4296  
Telephone Number

6/30/16  
Date

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Miscellaneous long-term debt	32	Utility plant in service	16-17
Miscellaneous reserves	36	Utility plant held for future use	18
Miscellaneous special funds	23	Water delivered to metered customers	52
Notes payable	33	Water Conservation Program(s)	56
Notes receivable	23	Working Cash	19



## **Other Attachments**

California American Water  
**GO 103A Customer Service Performance Measures**  
 Companywide Information 2015

Performance Standards	Performance Measure	2015
<b>Telephone Performance</b>		
Total Calls Received		166,299
Total Calls Answered in 30 seconds		159,323
<b>% of Calls Answered in 30 seconds</b>	<b>≥ 80%</b>	<b>96%</b>
Total Abandoned Calls		6,979
<b>% Abandoned Call Rate</b>	<b>≤ 5%</b>	<b>4%</b>
<b>Billing</b>		
Total Bills Rendered		2,162,448
Total Bills Rendered in 7 days		2,144,979
<b>% Bills Rendered in 7 days</b>	<b>≥ 99%</b>	<b>99%</b>
Total Inaccurate Bills		10,280
<b>% of Inaccurate Bills</b>	<b>≤ 3%</b>	<b>0.48%</b>
Total Payments Posted		1,834,845
Total Errored Payments		7,869
<b>% Payment Posting Error</b>	<b>≤ 1%</b>	<b>0.43%</b>
Total Number of Final Bills		20,960
Final Bills Issued after 14 days		3,877
<b>% Final Read and Final Bil Issued after 14 days</b>	<b>≤ 14 Days</b>	<b>18%</b>
<b>Meter Reading</b>		
Total Scheduled Actual Meter Reads		2,078,653
Total Estimated Meter Reads		20,091
<b>% Scheduled Meters not Read</b>	<b>≤ 3%</b>	<b>0.96%</b>
<b>Work Order Completion</b>		
<b>% Total Customer Met Appointments</b>	<b>≥ 95%</b>	<b>96%</b>
<b>% Total Missed Customer Appointments</b>	<b>≤ 5%</b>	<b>4%</b>
Total Scheduled Work Orders Customer Requested		88,207
Total Completed Work Orders as Scheduled		82,824
Total Incomplete /Canceled Work Orders		5,303
<b>% Customer Work Orders not Completed</b>	<b>≤ 5%</b>	<b>6.00%</b>
<b>Customer/Regulatory Complaints</b>		
Total Number of Customers		174,765
# of CAB Formal and Informal Complaints		37
<b>% Rate of Complaints to CAB</b>	<b>≤ .1%</b>	<b>0.02%</b>

## 2015 California American Non-Revenue Water Update

The following provides California American's update on the many efforts completed or underway to reduce non-revenue water (NRW). This document reflects updates to the previously submitted Accomplishments / Planned Activities Document and the 2014 Non-Revenue Water Update which were a part of the 2010 GRC. This 2015 update is being provided in writing consistent with last year's update.

### **Reduction Efforts / Activities as of December 2015:**

#### State

- Continuation in the use of the American Water Works Association Water Audit Software: California American Water uses the water audit software to review and classify system losses as "real" or "apparent." In accordance with AWWA definitions, contributors to apparent losses include unauthorized consumption, meter inaccuracies, and data handling errors. Real losses are defined as the total system losses minus apparent losses. California American Water continues to update the AWWA audits for each district on an annual basis to track and report NRW.
- On-going investigation of active zero consumption accounts (apparent losses).
- Testing or replacement of production and customer meters on a schedule based on meter size (apparent losses).
- Prompt yet prudent repair of identified leaks, i.e. severity measured against the need to repair during regular vs. overtime hours (real losses).
- Continuation of valve and fire hydrant maintenance programs to assist in identifying leaks (real losses).

#### Southern Division

- Completion of redesign and upgrade of large meter stations to allow testing in place while maintaining service (apparent losses).
- Continued evaluation of large users to confirm proper meter application or the need for retrofit. Special attention paid to the top 250 residential users in the Ventura district. For these customers, real time meter flow devices were placed on properties on two occasions to check for both drought compliance and non-surfacing leaks (real and apparent losses).

- Ventura: A pilot program was planned for 2016 implementation to retrofit a minimum of 1,000 residential customers with Advanced Metering Infrastructure (AMI) technology. The pilot is a precursor to a full-scale retrofit requested in the 2018 rate case (apparent losses)
- LA: A program began planning for 2016 implementation of a leak detection program in the Los Angeles District's Duarte system. Using pressure zone containment and sounding technology, the program will identify leaks in the Southern California division's system that shows the highest lost water percentage (real losses).

### Coastal Division

- American Water Works Association – Partnership Distribution Optimization Program: In 2011 California American Water became a charter member of AWWA's Partnership Distribution Optimization Program (the program was officially announced by the AWWA on January 14, 2011). The program includes base line data gathering for the distribution system (pressures, chlorine residuals, flow velocity, etc.), a self-assessment, and the achievement of optimized performance for its distribution system. The program evaluates distribution systems pressure management, main break frequency, water quality preservation, and physical security. While the program is new to the industry, California American Water believes that the focus on distribution system operations will provide significant benefit to its customers. In 2015, The Coastal division completed the submission of the required data as part of the initial distribution system evaluation.
- Main Line Replacement –California American Water continued its main replacement project in the Seaside area. The distribution system in Seaside consists of thin-walled steel water mains. California American Water continues an aggressive main replacement program targeting leak prone areas in Seaside and Carmel Valley.
- Service Line Replacement – Following the near completion of all Polybutylene services in late 2014, the focus has turned to galvanized service line which also have a high leak rate when compared to copper or HPDE.
- Regulating and Altitude Valve Repair and Replacement – This effort continued through 2015.
- Unauthorized Consumption – California American Water, in cooperation with the Monterey Peninsula Water Management District ("MPWMD"), implemented an aggressive program to reduce unauthorized consumption. Aspects of the program require all contractors to provide a MPWMD permit prior to receiving a temporary construction meter. This program received additional attention in 2015 due to the

historic drought in California and drought declaration by the Governor. A special hotline was developed in cooperation with MPWMD.

- Monterey: No-Des Pilot Project – Re-Scheduled to October 2015 at the request of the City, this pilot project tested the effectiveness of the No-Des system which reduces the amount of lost water due to flushing and hydrant flow testing. The device filters water flushed from the main and reintroduces the filtered water back into the distribution system greatly reducing the amount of lost water due to flushing. This project was completed in the City of Carmel-by-the-Sea.

#### Northern Division:

- Our Operations team continues to identify suspected leak areas for investigation. We use a third party to conduct leak surveys. The survey identifies leaks on both the California American mains and on the customers' side of the system. Identified leaks on Cal Am pipe are repaired as soon as possible while customers are notified of identified leaks on their service lines. Production meters are being verified at all production sites and are replaced where needed to assure continued accuracy.
- In the past an assumed (an agreed upon with the CPUC) allowance of 9.5% has been utilized. We believed this to be reasonable given industry norms. Customer metering has been completed in the Northern district and the NRW has dropped substantially, some of this is expected as nearly every service line in the Sacramento service area was touched to install meters. Many service leaks were found and repaired during this process. Verification of the now calculated based on production and total customer metering, NRW number is being completed by the operations and engineering groups to create a new benchmark for 2015 forward. Engineering has completing UARL calculations to verify the NRW numbers within the systems.

#### **Planned 2016-2017**

- All Districts: Continuation of all the above activities.
- All Districts: Continuation of all IP's listed in the original document as approved in the 2015-17 GRC (real losses).
- LA: Continuation of the "System Improvements" IP in the Duarte System to allow for the eventual retirement of the Duarte/Bradbury Irrigation System.
- Monterey: Continued Main Replacement – California American Water has identified projects in Carmel Valley and Seaside that will target the replacement of leak prone water mains to reduce real losses.

- Monterey: Instrument Calibration – Continuation with this effort that focuses on maintaining all instrumentation in working condition. We believe this will reduce the number of storage tank overflows and pressure surges in the distribution systems that increase water losses.
- Monterey: SCADA Improvement – The Monterey SCADA system improvement project was initiated in 2013 and continued through 2015 and is expected to be completed in 2016. This project will improve communication with remote site(s) and allow better control of facilities. These improvements will improve the response to system upsets and problems through improved monitoring capabilities and communication.

### **Long Term Plans**

- LA: The eventual retirement of Duarte/Bradbury Irrigation System, within the 2015-17 rate cycle, will reduce undetected non-surfacing leakage and eliminate evaporation from open reservoirs. LA: Continued systematic replacement of aged mainlines per the Company's Comprehensive Planning Study and Condition Based Assessment, notably in the division's Los Angeles District.
- Sacramento – Reduced System Operating Pressures: We will consider installing VFD's and complete enhancements to our SCADA systems with the goal to reduce pressures. Sacramento will continue to look for places to insert VFD's into our systems where they make sense for the business and the ratepayers. We will consider purchasing leak detection equipment and train staff to use this in conjunction with hydrant and valve inspections.