

Received _____

Examined _____

CLASS A
WATER UTILITIES

U# _____

2017
ANNUAL REPORT
OF

CALIFORNIA-AMERICAN WATER COMPANY

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

655 West Broadway Suite 1410, San Diego, CA

92101

(OFFICIAL MAILING ADDRESS)

ZIP

TO THE
PUBLIC UTILITIES COMMISSION
STATE OF CALIFORNIA
FOR THE
YEAR ENDED DECEMBER 31, 2017

REPORT MUST BE FILED NO LATER THAN MARCH 31, 2018

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GENERAL INSTRUCTIONS

1. Two completed and signed hard copies of this report and one electronic copy must be filed **NO LATER THAN MARCH 31, 2018**, with:

CALIFORNIA PUBLIC UTILITIES COMMISSION
WATER DIVISION
ATTN: BRUCE DEBERRY
505 VAN NESS AVENUE, ROOM 3105
SAN FRANCISCO, CALIFORNIA 94102-3298
bmd@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 Declaration on Page 70 must be signed by an authorized officer, partner, or owner.
4. The report must be prepared in accordance with the CPUC Excel annual report template. The Excel file and a PDF of the file is to be submitted to the Commission.
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. Complete the supplemental schedules **FIRST**. The balances in these schedules will then auto-fill the appropriate boxes in the balance sheet/income statement. Total and subtotal boxes are automatically summed in Excel. Auto-filled and summed boxes are Excel locked and identified by a light coloring of the box. Uncolored boxes can be manually filled. Complete the statements by filling in the uncolored boxes where appropriate.
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, 2017, through December 31, 2017. 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 13, Item 12, of this report.

I N S T R U C T I O N S

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. The CPUC annual report Excel template incorporates links so that the selected data in the Balance Sheet, Income Statement and supporting schedules automatically flow to the financial data sheets.
2. For the financial data sheets that are to be adjusted to exclude non-regulated activity, manually adjust the data to exclude non-regulated activity.

UTILITY PLANT AND CAPITALIZATION DATA

Calendar Year 2017

Name of Utility: California-American Water

Telephone: 619-446-4761

Person Responsible for this Report: Richard Svindland

	<u>1/1/2017</u>	<u>12/31/2017</u>	<u>Average</u>
UTILITY PLANT DATA			
1 Total Utility Plant	\$ 994,009,348	\$ 1,094,733,480	\$ 1,044,371,414
2 Total Utility Plant Reserves	(310,641,006)	(330,151,081)	(320,396,043)
3 Total Utility Plant Less Reserves	683,368,342	764,582,399	723,975,370
4 Advances for Construction	16,840,762	17,358,731	17,099,747
5 Contributions in Aid of Construction	60,807,050	65,819,874	63,313,462
6 Total Accumulated Deferred Taxes	140,794,064	82,898,486	111,846,275
7			
8			
9			
10 CAPITALIZATION			
11 Common Capital Stock	92,477,914	92,477,914	92,477,914
12 Preferred Capital Stock	-	-	-
13 Earned Surplus	69,078,842	77,319,926	73,199,384
14 Total Capital Stock	345,987,427	364,542,905	355,265,166
15 Total Proprietary Capital (Individual or Partnership)	-	-	-
16 Total Long-Term Debt	295,153,575	273,719,811	284,436,693

INCOME, EXPENSES, AND OTHER DATA

Calendar Year 2017

Name of Utility: California-American Water

Telephone: 619-446-4761

	Annual Amount
INCOME/EXPENSES DATA	
1 Operating Revenues	\$ 218,825,391
2 Operating Expenses	\$ 128,314,046
3 Depreciation - and Amortization	\$ 23,544,850
4 Taxes	\$ 27,870,964
5 Income from Nonutility Operations (net)	\$ 10,521,771
6 Interest on Long-Term Debt	\$ 16,505,477
7 Net Income	\$ 33,111,825
8	
OPERATING EXPENSES DATA	
10 Source of Supply Expense	\$ 49,333,229
11 Pumping Expenses	\$ 8,284,620
12 Water Treatment Expenses	\$ 4,935,931
13 Transmission and Distribution Expenses	\$ 9,459,162
14 Customer Account Expenses	\$ 2,239,275
15 Sales Expenses	\$ -
16 Recycled Water Expenses	\$ -
17 Administrative and General Expenses	\$ 20,862,489
18 Miscellaneous	\$ 33,199,340
19 Total Operating Expenses	\$ 128,314,046

21 **OTHER DATA**

			Annual Average
Active Service Connections	(Exc. Fire Protect.)	Jan. 1	Dec. 31
23		169,873	171,682
24		18,056	18,188
25 Metered Service Connections		187,929	189,870
26 Flat Rate Service Connections			170,778
27 Total Active Service Connections			18,122
			188,900

UTILITY PLANT AND CAPITALIZATION DATA

Adjusted to Exclude Non-Regulated Activity

Calendar Year 2017

Name of Utility: California-American Water Telephone: 619-446-4761

Person Responsible for this Report: Richard Svindland

	<u>1/1/2017</u>	<u>12/31/2017</u>	<u>Average</u>
UTILITY PLANT DATA			
1 Total Utility Plant	\$ 994,009,348	\$ 1,094,733,480	\$ 1,044,371,414
2 Total Utility Plant Reserves	(310,641,006)	(330,151,081)	\$ (320,396,043)
3 Total Utility Plant Less Reserves	683,368,342	764,582,399	\$ 723,975,370
4 Advances for Construction	16,840,762	17,358,731	\$ 17,099,747
5 Contributions in Aid of Construction	60,807,050	65,819,874	\$ 63,313,462
6 Total Accumulated Deferred Taxes	140,794,064	82,898,486	\$ 111,846,275
7			
8			
9			
10 CAPITALIZATION			
11 Common Capital Stock	92,477,914	92,477,914	\$ 92,477,914
12 Preferred Capital Stock	-	-	\$ -
13 Earned Surplus	69,078,842	77,319,926	\$ 73,199,384
14 Total Capital Stock	345,987,427	364,542,905	\$ 355,265,166
15 Total Proprietary Capital (Individual or Partnership)	-	-	\$ -
16 Total Long-Term Debt	295,153,575	273,719,811	\$ 284,436,693

INCOME, EXPENSES, AND OTHER DATA
Adjusted to Exclude Non-Regulated Activity
 Calendar Year 2017

Name of Utility: California-American Water

Telephone: 619-446-4761

		Annual Amount
INCOME/EXPENSES DATA		
1	Operating Revenues	\$ 218,825,391
2	Operating Expenses	\$ 128,314,046
3	Depreciation	\$ 23,544,850
4	Taxes	\$ 27,821,834
5	Income from Nonutility Operations (net)	\$ 10,381,401
6	Interest on Long-Term Debt	\$ 16,505,477
7	Net Income	\$ 33,020,585
8		
OPERATING EXPENSES DATA		
10	Source of Supply Expense	\$ 49,333,229
11	Pumping Expenses	\$ 8,284,620
12	Water Treatment Expenses	\$ 4,935,931
13	Transmission and Distribution Expenses	\$ 9,459,162
14	Customer Account Expenses	\$ 2,239,275
15	Sales Expenses	\$ -
16	Recycled Water Expenses	\$ -
17	Administrative and General Expenses	\$ 20,862,489
18	Miscellaneous	\$ 33,199,340
19	Total Operating Expenses	\$ 128,314,046
20		
OTHER DATA		
23	<u>Active Service Connections</u> (Exc. Fire Protect.)_____	Annual Average
24		
25	Metered Service Connections	Jan. 1 Dec. 31
26	Flat Rate Service Connections	169,873 171,682 170,778
27	Total Active Service Connections	18,056 18,188 18,122
		187,929 189,870 188,900

Notes to Adjusted Selected Financial Data Due to Excluding of Non-Regulated Activities

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).

1	Income from Non-Utility Operations (net), Account numbers 522 and 526, Dollar Amount \$140,370
2	is the non-regulated activity as referenced in Excess Capacity Schedule
3	
4	Taxes, Federal Corporate Income Tax, Account Number 507, Dollar Amount \$49,130
5	represents tax effect of reduction of non-regulated revenues.
6	
7	
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20	

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 2017:

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
1											
2	See Addendum Reference Schedule Excess Capacity										
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											

California - American Water Company
Schedule Attached to and Made as Part of
Annual Report to the Public Utilities Commission State of California
Schedule Excess Capacity and Non-Tariffed Services
NTP&S Projects

<u>Name of Contract/Service</u>	<u>Active or Passive</u>	<u>Gross Revenue</u>	<u>Revenue Sharing</u>
Antenna & Real Property Leases			
Cingular (1)	Passive	(52,871.60)	(15,861.48)
*Cricket Communications	Passive	(9,684.11)	(2,905.23)
MetroPCS (1)	Passive	(64,373.92)	(19,312.18)
*Nextel	Passive	36,096.00	10,828.80
Sprint United Management Co. (1)	Passive	(31,289.64)	(9,386.89)
Sprint (f/k/a Clear Wireless) (1)	Passive	(24,000.00)	(7,200.00)
*Verizon Wireless (2)	Passive	(61,486.56)	(18,445.97)
Silke Communications(1)	Passive	(7,200.00)	(2,160.00)
Conterra Ultra Broadband LLC (1)**	Passive	(12,899.26)	(3,869.78)
*Real Property Leases	Passive	27,508.00	8,252.40
Total Antenna & Real Property Leases		(200,201.09)	(60,060.33)

* Represent accounting billings and reversals of prior year billings that continued after contracts terminated or expired

** Revenue recorded in September 2017 to be addressed in next California-American General Rate Case

**California-American Water Company
Schedule Attached to and Made as Part of
Annual Report to the Public Utilities Commission**

2017 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:

Antenna Leases/License Agreements. During calendar year 2017, CAWC had a total of eight (8) antenna leases/license agreements with six (6) different carriers for various locations in its Ventura, Monterey, and Sacramento 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.

II. Classification and Notice of NTP&S Activities:

All NTP&S activities described above were classified as “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). Notice of the antenna agreement in CAWC’s Ventura County District was provided to the Commission on January 27, 2017. CAWC was unable to locate a notice for the antenna agreement in its Sacramento County District, and may have mistakenly not provided the required notice. All of the other 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:

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.

GENERAL INFORMATION

1. Name under which utility is doing business: California-American Water Company

2. Official mailing address:
655 West Broadway, Suite 1410, San Diego, CA 92101

3. Name and title of person to whom correspondence should be addressed:
Richard Svindland, President Telephone: 619-446-4761

4. Address where accounting records are maintained:
131 Woodcrest Road, Cherry Hill, NJ 08003

5. Service Area (Refer to district reports if applicable): Refer to District Reports

6. Service Manager (If located in or near Service Area.) (Refer to district reports if applicable.)
Name: Refer to District Reports Telephone: _____
Address: _____

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:

Name: <u>Richard Svindland</u>	Title: <u>President</u>
Name: <u>Jeffrey Dana</u>	Title: <u>VP, Finance and Treasurer</u>
Name: <u>Garry Hofer</u>	Title: <u>VP, Operations</u>
Name: <u>Ian Crooks</u>	Title: <u>VP, Engineering</u>
Name: <u>Kevin Tilden</u>	Title: <u>VP, External Affairs</u>
Name: <u>Kimberly Castillo</u>	Title: <u>VP, Human Resources</u>
Name: <u>Sarah Leeper</u>	Title: <u>VP, Legal - General Counsel and Secretary</u>
Name: <u>Anthony Cerasuolo</u>	Title: <u>VP, Legal</u>
Name: <u>Jeffrey Linam</u>	Title: <u>VP, Rates and Regulatory</u>
Name: <u>Thomas Brunet</u>	Title: <u>VP, Business Development</u>
Name: <u>Kent Hodgkinson</u>	Title: <u>VP, Business Development</u>
Name: <u>Lori Girard</u>	Title: <u>Assistant Secretary</u>
Name: <u>Kathryn Horning</u>	Title: <u>Assistant Secretary</u>
Name: _____	Title: _____

8. Names of associated companies: _____

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:
 Name: Meadowbrook Date: April 1, 2017
 Name: Oxbow Date: July 18, 2017
 Name: _____ Date: _____
 Name: _____ Date: _____

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 Addendum Reference Schedule Gen Info

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

13. This annual report was prepared by:
Name of firm or consultant: n/a
Address of firm or consultant: _____
Phone Number of firm or consultant: ()

California - American Water Company
Schedule Attached to and Made as Part of
Annual Report to the Public Utilities Commission State of California
Schedule Gen Info
Item 11. Name, Grade and License Number of all Licensed Operators

Sacramento District, Larkefield, and Meadowbrook		WATER DISTRIBUTION			WATER TREATMENT			WASTEWATER TREATMENT		
		SWRCB			SWRCB			SWRCB		
Name		Grade	Opr #	Exp Date	Grade	Opr #	Exp Date	Grade	Opr #	Exp Date
Biedenbender, Dayton	Water Treatment Operator I (D2 & T1)	D4	36752	2/1/2019	T2	31380	2/1/2019	-	-	-
Burke, Tyler	Distribution System Operator (D2)	D2	41077	5/1/2018	T2	33238	7/1/2020	-	-	-
Casebier, Steve	Water Treatment Operator III (D2 & T3)	D2	14641	12/1/2018	T3	12161	12/1/2019	WW2	28594	6/30/2020
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	Serviceperson Foreman (D2/CC/BF)	D2	29308	1/1/2019	T2	29889	7/1/2020	-	-	-
Eastman, Billy	Distribution System Operator (D2)	D3	36614	1/1/2021	-	-	-	-	-	-
Epps, Brian	Water Treatment Operator III (D2 & T3)	D4	5831	4/1/2021	T4	10786	11/1/2019	-	-	-
Fackrell, Orson	Water Treatment Operator III (D2 & T3)	D2	37187	11/1/2018	T3	22768	8/1/2019	WW1	28548	6/30/2020
Fernandez, David	DSO-IT (D2 within 2 years)	-	-	-	-	-	-	-	-	-
Folsom, Bryan	Distribution System Operator (D2)	D2	43927	5/1/2020	T2	40039	1/1/2020	-	-	-
Fuller, Mike	Water Treatment Operator I (D2 & T1)	D2	27713	6/1/2019	T1	27574	7/1/2018	-	-	-
Garcia, Oscar Avalos	Distribution Sys Operator-Meters (D2)	D2	44699	11/1/2020	T2	44699	11/18/2020	-	-	-
Hannon, M. "Sonny"	Water Treatment Operator III (D2 & T3)	D5	36062	8/1/2020	T4	29121	3/1/2019	-	-	-
Lopez, Arturo	Serviceperson (none)	-	-	-	-	-	-	-	-	-
Magallon Jr., Javier	Serviceperson (none)	-	-	-	-	-	-	-	-	-
Martin, Jose L.	Distribution System Operator (D2)	D2	35984	4/1/2021	-	-	-	-	-	-
Nylander, Kevin	Distribution System Operator (D2)	D3	43299	3/1/2020	T2	35773	1/1/2020	-	-	-
Olivarez, Oscar	Distribution Foreman (D2 & Class A)	D2	20175	6/1/2018	-	-	-	-	-	-
Olsen, Nathan	Distribution System Operator in Training (D2)	D1	47245	10/1/2019	T2	37228	6/1/2018	-	-	-
Perez, Osvaldo	Distribution Foreman - Meters (D2)	D2	36023	4/1/2021	-	-	-	-	-	-
Polillo, Stephen	Distribution System Operator (D2)	D2	40442	12/1/2020	-	-	-	-	-	-
Sanborn, Daniel	Water Treatment Op III (D2 & T3)	D3	35324	6/1/2020	T3	36204	4/1/2020	-	-	-
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	7/1/2020	-	-	-
Torres, Hector	Sr. Field Ser Cross Conn (D2/CC/BF)	D2	38696	3/1/2020	-	-	-	-	-	-
Trotter, Craig	Sr. Distribution System Op (D2 & Class A)	D5	33347	7/1/2020	T2	29901	7/1/2020	-	-	-
Trush, Daniel	Production Foreman (D2 & T3)	D3	20176	7/1/2018	T3	27672	4/1/2019	-	-	-
Vaitman, 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	OIT-1	-	-
Webster, Joshua	Water Treatment Foreman (D2 & T3)	D2	33353	10/1/2019	T3	28576	8/1/2018	-	-	-
Wilson, Nick J.	Water Treatment Operator III (D2 & T3)	D4	28338	2/1/2021	T4	29297	2/1/2021	WW1	41940	10/26/2020
Amini, Al	Electrician (No)	-	-	-	T1	33208	7/1/2020	-	-	-
Baril, Christina	Operations Manager (No)	D2	46329	12/1/2018	T2	37442	6/1/2018	-	-	-
Bell, Jared	Operations Supervisor (No)	D2	8988	4/1/2018	T3	23413	3/1/2020	-	-	-
Brunet, Thomas	Sr. Manager, Project Dev (No)	-	-	-	-	-	-	-	-	-
Cheek, Jason	Water System Operator (D3/T2)	D4	35346	6/1/2020	T3	28808	4/1/2020	-	-	-
Crowther, Chris	Water Systems Operator (D3/T2)	D4	26990	12/1/2020	T3	22906	4/1/2021	-	-	-
DiGenova, Margaret	Operations Superintendent (No)	D4	25883	1/1/2020	T4	25767	4/1/2021	-	-	-
Diller, John	Sr. Specialist Maint Service (No)	-	-	-	T2	6360	7/1/2020	-	-	-
Flint, Kevin L.	Supvr Opns I (No)	D3	31038	9/1/2020	-	-	-	-	-	-
Garcia, Mariano	Electrician (No)	-	-	-	T1	33127	7/1/2020	-	-	-
Hamman, Zachary	Water System Operator (No)	D2	46220	12/1/2018	T2	36692	1/1/2021	-	-	-
Kehoe, Casey	Water System Operator (D2/T2)	D2	43587	5/1/2020	T2	35132	2/1/2019	-	-	-
Kunda, Victoria	Mgr, WQ & EC (No)	D2	45911	10/1/2018	T2	37548	7/1/2018	-	-	-
Mullins, Timothy L.	Operations Superintendent (No)	D3	5345	7/1/2018	T2	32625	1/1/2021	-	-	-
Sadler, Walter	Mgr Engrg - Project Delivery (No)	D2	39428	5/1/2020	T3	4389	1/1/2020	-	-	-
Wilhelm, Karen	Water Conserv Rep II (No)	D2	48480	5/1/2020	-	-	-	-	-	-

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Monterey District		WATER DISTRIBUTION			WATER TREATMENT			WASTEWATER		
		State Water Resources Control Board			State Water Resources Control Board			State Water Resources Control Board		
Employee Name	Position (Required Certs)	Number	Grade	Expiration	Number	Grade	Expiration	Number	Grade	Expiration
Adams,Erik	Laboratory Technician (T1 and LA)				38762	1	8/1/2019			
Aguilera, Veronica	CSR/Teller (None)	46694	2	5/1/2019	38079	2	1/1/2019			
Aliganga, Alexander M.	Wastewater Plant Operator II (WW2)	38706	2	6/1/2020				42552	2	12/20/2018
Almanza, Salvador S.	Utility Worker II (D2)	10261	2	3/1/2021						
Alvarez, Antonio	Prod-Treatment Oper II (D2/T2)	42938	3	2/1/2020	36509	2	7/1/2020			
Andalon, Gerardo	Meter Repair Technician (D1 & BF)	46386	1	12/1/2018						
Arveson, Leonard	Prod-Treatment Oper II (D2/T2)	5639	3	3/1/2021	15717	2	6/1/2019			
Ask, Cody	Utility Worker II (D2)	47495	2	10/1/2020						
Bell, Aaron	Field Service Representative (D1)	48852	1	8/1/2020						
Beltran, Jaime	Meter Repair Technician (D1 & BF)	46204	1	11/1/2018						
Benson, Michael	CSR/Teller (None)									
Bricker Jr., James P.	Wastewater Foreman (WW3 or WW4)	25659	2	1/1/2019	25090	2	1/1/2019	10743	3	6/30/2020
Burritt, George V.	Wastewater Plant Operator II (WW2)	15007	4	12/1/2020	23813	3	8/1/2020	10381	2	12/31/2020
Bustamante, Sergio	Treatment Plant Operator III (T3)	28246	3	8/1/2019	27682	3	10/1/2020			
Ceballos, Raymond M.	Utility Worker I (D1)	31501	1	10/1/2018						
Cervantes, Jose	Meter Reader (None)									
Chargin, Brenda S.	Wastewater Plant Operator II (WW2)	27892	2	4/1/2020	26213	2	1/1/2020	28734	2	12/31/2020
Companion, Jason	Engineering Tech (None)									
Cook, Christopher	Mgr Engrg Project Delivery (None)	47720	2	11/1/2019						
Coppla, Robert T.	Prod-Treatment Foreman (D4/T4)	4944	4	3/1/2021	14839	4	2/1/2020			
Cruz-Gonzalez, Ronaldo	Wastewater Plant Operator II (WW2)	37408	2	5/1/2019	31644	1	2/1/2019	28727	2	6/30/2018
Curtice, Luke E.	Utility Worker II (D2)	9606	2	8/1/2018						
Daniels, Gregory S.	Wastewater Plant Operator II (WW2)	31348	2	7/1/2018				10191	2	6/30/2018
De Ocampo, Raymond T.	Laboratory Technician Grade III (LA or LA/T3)									
Deese, Joshua J.	Warehouse Technician (None)	38093	1	6/1/2019						
DiMaggio, Joseph L.	Operations Supervisor (None)	9607	2	8/1/2018						
Dolor, Raymundo C.	Lead Water Conservation Specialist (IA/WC)									
Dorsey, Nestor T.	Pump Operator II (D2)	7178	2	8/1/2021						
Draeger, Randal M.	Utility Worker II-Grade III (D3)	9837	3	8/1/2018						
Eldridge, Ron L.	Pump Operator Grade II (D2)	4547	2	8/1/2018						
Fox, Harriet	Water Conservation Specialist (D1/G3)	43219	1	11/1/2019						
Fugitt, David A.	Pump Operator III (D3)	4549	4	4/1/2021	9697	3	5/1/2019			
Gamboa, Tino M.	Utility Worker II-Grade III (D3)	7356	3	7/1/2018						
Garza, Ernesto	Sr Specialist Maint Service (None)	27751	1	6/1/2019						
Glass, Patricia M.	Operations Supervisor, Commerical Srv (D1)	29978	2	5/1/2019	27417	1	3/1/2021			
Gonzalez, Julio Aman	Engineering (None)									
Grondin, Michael	SCADA Engineer (None)									
Hall, Tiffani	CSR/Teller (None)	47606	1	11/1/2019	41129	2	1/1/2021			
Hanson, Jill	Engineering Coord. (None)									
Hernandez, Manuel	Maintenance Mechanic (None)	37919	2	11/1/2019	34003	2	2/1/2019			
Hulbert, Roger	Project Manager (None)									
Jacobson, Susan	Spec Wtr Qlty & Env Compl II (None)	25707	1	9/1/2018	25344	2	6/1/2020			
James, Robert	Operations Supervisor, Treatment (T3)				11633	3	8/1/2020			
Kolonics, Andrew J.	Backhoe Operator (D1)	14940	2	8/1/2021	12828	1	3/1/2020			
La Sala, Vincent B.	Small Crew Foreman III (D3)	9603	3	12/1/2018						
Lashley, Charles E.	Utility Worker I (D1)	28813	1	2/1/2020						
Lau, Helen	Spec Wtr Qlty & Env Compl II (None)	41637	2	5/1/2018	35831	2	6/1/2018			
Lazaro, Tony	Prod-Trt Pl Op II (D2/T2)	41244	2	5/1/2018	35313	2	7/1/2020	40590	2	12/5/2018
Lemon, Edith	Operations Specialist (None)									
Little, Rose	Administrative Assistant (None)									
Lopez, Anthony	Customer Service Supervisor (None)									
Magdaleno, James	Operations Supervisor, Distribution (D3)									
Maqqetto, Mike	Mgr Business Performance (None)	4552	5	2/1/2019	12255	5	9/1/2018	43059	3	6/6/2020
Martignoni, Michael	Wastewater Plant Operator II (WW2)							28691	2	6/30/2018
Martin, James A.	Field Service Representative (D1)	46991	1	5/1/2019						

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		State Water Resources Control Board	State Water Resources Control Board	State Water Resources Control Board	State Water Resources Control Board	State Water Resources Control Board	State Water Resources Control Board	State Water Resources Control Board	State Water Resources Control Board	
Employee Name	Position (Required Certs)	Number	Grade	Expiration	Number	Grade	Expiration	Number	Grade	Expiration
Martin, James E.	Utility Worker II-Grade III (D3)	6709	3	4/1/2021						
Maschmeyer, Kelly	Water Conservation Specialist (D1/G3)	43208	2	5/1/2019	37976	2	1/1/2019			
McCarter, Jason	Utility Worker II (D2)	42903	2	12/1/2020	37995	2	1/1/2019			
McCord, Brian	Director of ORM (None)									
McKee, Sierra	Production Specialist (None)									
McKenzie, Thomas G.	Utility Worker II (D2)	10262	2	7/1/2018						
Miller, Nina	Operations Manager (None)	46275	1	11/1/2018						
Mitchell, Everette	Field Service Representative (D1)									
Monette, Donald	Sr. Project Engineer (None)									
Moreno, Cleotilde J.	Pump Operator II (D2)	29846	2	4/1/2019	28785	1	7/1/2019			
Moss, Robert	Operations Supervisor (D2/T2)	43035	2	5/1/2019	35056	2	1/1/2019	41116	3	2/16/2020
Munguia, Victor	Field Service Representative (D1)	37969	1	6/1/2019						
Murdock, Mitchell E.	Wastewater Plant Operator III (WW3)	25732	2	3/1/2019	25192	2	7/1/2020	6228	3	1/3/2021
Navar, Sal	Meter Reader Coordinator (None)									
Nichols, James G. M.	Production Foreman IV (D4)	4555	4	8/1/2018	18498	2	1/1/2019			
Olis, Danny	Field Service Representative (D1)	46553	1	3/1/2019						
Phillips, Christopher	Meter Reader (None)									
Phillips, George F.	Small Crew Foreman Grade II (D2)	14947	2	5/1/2021						
Ramirez, Justin P.	Utility Worker II-Grade II (D2)	36850	2	2/1/2020						
Rappa, Paul M.	Small Crew Foreman Grade III (D3)	4954	3	8/1/2018						
Rea, Andres	Draftsperson (None)	43037	2	11/1/2018	38098	1	1/1/2019			
Reynoso, Jesus A.	Field Service Representative (D1)	37636	1	5/1/2019						
Richins, Michael J.	Sr Specialist Maint Service (None)	25765	1	4/1/2021	24822	1	12/1/2020			
Riso, Joseph J.	Small Crew Foreman Grade III (D3)	5407	3	3/1/2021						
Rudolph, Christopher	Prod-Treatment Oper II (D2/T2)	46053	2	5/1/2019	37326	3	7/1/2020			
Russo, David W.	Pump Operator II (D2)	15548	2	8/1/2021	10963	1	10/1/2020			
Sabolsice, Eric	Director of Operations (None)									
Sanchez, Jesus	Manager of Operations (None)									
Skipwith, Mary	Project Analyst (None)									
Silva, Lesley	Project Mgr Engr (None)	5410	5	4/1/2019	35398	2	7/1/2019			
Smith, Matthew A.	Prod-Treatment Oper II (D2/T2)	44402	2	11/1/2018	36985	2	7/1/2018			
Soto, Nicholas	Prod-Treatment Oper II (D2/T2)	44417	2	11/1/2020	36945	2	8/1/2018			
Terry, Ryan	Prod-Treatment Oper II (D2/T2)	44069	2	6/1/2020	33948	3	1/1/2020			
Torrente, Vincent	Small Crew Foreman Grade III (D3)	4958	3	8/1/2021						
Wang, Jack	Dir Wtr Qlty Env Cmpl (None)	46579	3	4/1/2019	38325	3	4/1/2019			
Ward, Melissa	Water Conservation Specialist (D1/G3)	43254	2	5/1/2019	37841	2	1/1/2019			
Wigg, Cornelius	Field Service Representative (D1)	38796	1	3/1/2020						
Wood, Wesley H.	Meter Reader (None)	47057	2	6/1/2019						

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Los Angeles		WATER DISTRIBUTION			WATER TREATMENT		
		State Water Resources Control Board			State Water Resources Control Board		
Name	Classification	Grade	Number	Expiration	Grade	Number	Expiration
Amarillas, Daniel	Utility Worker II (D2)	4	37541	6/1/2020	2	37624	1/1/2019
Anderson, William	Sr Customer Service Rep (D2)	2	15392	8/1/2018	-	-	-
Arenas, Raymond	Customer Service Rep U508 (D1)	1	39788	8/1/2020	-	-	-
Baker, Aimee	Specialist Operations (None - Non-union)	1	45270	5/1/2021	1	41191	9/1/2020
Cruz, Joe	Utility Worker II (D2)	2	29086	8/1/2019	-	-	-
Cardenas, David	Meter Reader (D1)	-	-	-	-	-	-
Echevarria, Herminio	Equipment Operator (Class A, D1)	3	7698	4/1/2021	-	-	-
Freeman, Michael	Meter Reader (D1)	-	49129	11/1/2020	-	-	-
Gonzales, Jesus	Utility Worker I (D1)	1	32688	4/1/2019	-	-	-
Hofer, Garry	VP of Operations (None - Non-union)	2	36678	11/1/2020	T2	34072	11/1/2020
Hori, Beverly	Supvr Opns I (None - Non-union)	2	4539	4/1/2021	-	-	-
Kurihara, Julie	Meter Reader (D1)	-	-	-	-	-	-
Marini, Erminio	Sr. Pump Operator (D1, T4)	5	29529	2/1/2020	4	19694	10/1/2020
McKeehan, Everett	Utility Worker II (D2)	3	3863	4/1/2018	-	-	-
Morgan, Dennis	Pump Operator (D1, T2)	3	5558	3/1/2018	2	33794	1/1/2018
Na, Monica	Operations Manager (None - Non-union)	2	47005	5/1/2019	2	38711	7/1/2019
Navarro, Josue	Utility Worker II (D2)	3	44669	2/1/2020	1	37804	1/1/2019
Nieto, Christopher	Utility Worker I (D1)	1	48105	3/1/2020	-	-	-
Playter, Tim	Pump Operator (D1, T2)	4	39420	12/1/2020	2	33803	1/1/2021
Reifer, Mark	CA Engineering South Proj Del (None - Non-union)	2	41966	12/1/2018	2	34084	1/1/2021
Rojas, Eric	Foreman (None - Non-Union)	4	2872	12/1/2020	3	27190	9/1/2020
Romero, Louie	Supvr Opns I (None - Non-union)	3	2872	6/1/2018	-	-	-
Rosa, Matthew	Meter Reader (D1)	1	42568	5/1/2019	-	-	-
Salcido, Michelle	Field Clerk/Utilityperson (D1)	2	42758	5/1/2018	-	-	-
Smith, Kimberly	Specialist Water Conservation (None - Non-union)	-	-	-	-	-	-
Strommen, Dan	Pump Operator (D1, T2)	3	5360	4/1/2018	2	23042	5/1/2019
Stryffeler, Daniel	Meter Reader (D1)	-	49175	11/1/2020	-	-	-
Tanaka, Richard	Production Foreman (None - Non-union)	1	44973	3/1/2021	2	31796	1/1/2021
Taylor, Jessica (Knapp)	Supvr Opns I (None - Non-union)	1	44992	3/1/2021	-	-	-
Welton, Jon	Equipment Operator (Class A, D1)	2	4106	12/1/2020	-	-	-
Williams, Tracy	Customer Service Clerk/Teller (D1)	1	36702	10/1/2018	-	-	-
Williamson, Geoffrey	Specialist Operations (None - Non-union)	2	45742	9/1/2018	2	35170	3/1/2019

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Ventura		WATER DISTRIBUTION			WATER TREATMENT		
		SWRCB			SWRCB		
Name	Position	Grade	Operator #	Expiration	Grade	Operator #	Expiration
Adams, Brandon	Utility Worker (D1)	D3	45131	12/01/20	T2	37259	06/01/21
Barajas, Emanuel	Utility Worker (D1)	D3	32894	05/01/18	T2	36856	06/01/18
Bennett, Eric	Supvr Opns I (None - Non-union)	D2	41662	12/1/2020	T1	36107	4/1/2020
Corona, Neiva	Laborer (D1)	D1	48961	11/1/2020			
Boyle, Tom	Supvr Opns I (None - Non-union)	D2	7131	09/01/18	T2	19605	05/01/19
Estrada, Henry	Pump Operator (D1 or T1)	D3	4355	03/01/21	T1	23449	05/01/19
Hilbert, Mike	Utility Worker (D1)	D2	15436	05/01/18	T1	24045	11/01/19
Lugo, Edgar	Utility Worker (D1)	D4	40242	12/01/19	T1	37024	02/01/21
Molina, Jose Henry	Utility Worker (D1)	D2	28797	01/01/21	T1	30251	01/01/21
Roldan, Joe	Pump Operator (D1 or T1)	D3	5139	04/01/21	T1	19732	06/01/20
Salas, Emmanuel	Laborer (D1)	---	---	---	---	---	---
Saldivar, Richard	Operations Manager (None - Non-union)	D2	10054	06/01/18	---	---	---
Trejo, Steven	Utility Worker (D1)	D4	39742	11/01/19	T2	33954	07/01/19
Victorero, Robert	Utility Worker (D1)	D2	14215	05/01/18	---	---	---
Williams, Jennifer	Mgr Business Performance (None - Non-union)	D5	14217	04/01/20	T2	23062	05/01/19

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Imperial Beach - San Diego		WATER DISTRIBUTION			WATER TREATMENT			BACKFLOW Devise		Cross Connection	
		SWRCB			SWRCB			Certified Tester		Specialist	
Name	Position (All Non-Union)	Grade	Operator #	Expiration	Grade	Operator #	Expiration	Operator #	Expiration	Cert #	Expiration
Atkinson, Scott	Laborer (Class A, D1)										
Becerra, Robert	Operations Manager (None)	D4	9498	8/2/2020	T2	23803	11/2/2019	11492	1/1/2019		
Cervantes, Havier	Utility Worker (Class A, D2)	D2	32353	11/1/2020	T1	35557	8/1/2019				
Corrales, Luis	Utility Worker (Class A, D2)	D2	42594	11/1/2020	-	-	-				
Cunningham, Vanessa	Admin (None)										
Estrada, Roberto	Laborer (Class A, D1)										
Garcia, Victor	Senior Foreman (Class A, D4, T2)	D4	9065	5/1/2021	T2	23461	8/1/2020				
Hernandez, Charlie	Meter Reader (None)	D2	10032	6/1/2021	-	-	-				
Hotujec, Joshua	Meter Reader (None)										
Laughter, Derrick	Laborer (Class A, D1)	D3	44735	1/1/2021	T2	38480	7/1/2019				
Lopez, Pedro J.	Utility Worker (Class A, D2)	D2	40527	12/1/2020	-	-	-				
Mattis, Chris	Director, Operations Southern (None)	D5	4017	6/1/2018	T2	14655	6/1/2020			00255	1/31/2018
McKenzie, Richard S.	Utility Worker (Class A, D2)	D4	41617	7/1/2019	T2	34899	7/1/2019				
Miller, Brian	Field Service Representative (D1)	D2	17913	10/1/2020	-	-	-				
Nessman, Chris	Ops Supervisor (None)	D3	9246	1/1/2021	T2	24861	1/1/2020	05-01458	3/19/2019	S05-00268	5/20/2019
Nevarez, Leonardo	Utility Worker (Class A, D2)	D2	26731	12/1/2019	T1	25851	7/1/2019				
Peraza, Jose L.	Meter Reader (None)	D1	46657	5/1/2019	-	-	-				
Salas, Martin	Foreman (Class A, D4, T1)	D3	27111	7/1/2019	T1	32655	1/1/2020				
Saldana, Cristina	Water Conservation Rep II (None)										
Santoyo, Gabriel	Foreman (Class A, D4, T1)	D3	18809	8/1/2018	T1	25454	1/1/2019				
Schuler, Matthew	Operations Specialist (Class A, D2)	D3	39625	6/1/2020	T2	34387	7/1/2019	5-2089	10/11/2020		
Smith, Michelle	Admin Asst (None)										
Valdez, Richard	Utility Worker (Class A, D2)	D2	30205	1/1/2019	T1	33275	7/1/2020				

**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		I. UTILITY PLANT			
2	100	Utility Plant	A-1, A-1a	1,091,095,874	990,357,496
3	101	Recycled Water Utility Plant	A-1b	-	-
4	107	Utility Plant Adjustments	A-2	3,637,606	3,651,852
5		Total Utility Plant		\$ 1,094,733,480	\$ 994,009,348
6	250	Reserve for depreciation of utility plant	A-5	(328,003,186)	(308,545,346)
7	251	Reserve for amortization of limited term utility investments	A-5	(14,333)	(13,333)
8	252	Reserve for amortization of utility plant acquisition adjustments	A-5	(2,133,562)	(2,082,327)
9	259	Reserve for depreciation and amortization of recycled water utility plant	A-5	-	-
10		Total utility plant reserves		\$ (330,151,081)	\$ (310,641,006)
11		Total utility plant less reserves		\$ 764,582,399	\$ 683,368,342
12					
13		II. INVESTMENT AND FUND ACCOUNTS			
14	110	Other Physical Property	A-3	1,852,211	1,853,595
15	253	Reserve for depreciation and amortization of other property	A-5	(71,758)	(70,191)
16		Other physical property less reserve		\$ 1,780,453	\$ 1,783,404
17	111	Investments in Affiliated Companies	A-6	-	-
18	112	Other Investments	A-7	1,787,735	-
19	113	Sinking Funds	A-8	-	-
20	114	Miscellaneous Special Funds	A-9	-	-
21		Total investments and fund accounts		\$ 3,568,188	\$ 1,783,404
22					
23		III. CURRENT AND ACCRUED ASSETS			
24	120	Cash	A-10	137,671	225,840
25	121	Special Deposits	A-11	73,350	75,925
26	122	Working Funds	A-12	2,552	2,552
27	123	Temporary Cash Investments	A-13	-	-
28	124	Notes Receivable	A-14	-	-
29	125	Accounts Receivable	A-15	17,488,138	11,699,376
30	126	Receivables from Affiliated Companies	A-16	4,593,964	194,111
31	131	Materials and Supplies	A-17	961,609	844,636
32	132	Prepayments	A-18	2,338,360	3,247,153
33	133	Other Current and Accrued Assets	A-19	7,060,066	8,991,345
34		Total Current and Accrued Assets		\$ 32,655,710	\$ 25,280,938
35					
36		IV. DEFERRED DEBITS			
37	140	Unamortized Debt Discount and Expense	A-20	2,695,754	2,523,730
38	141	Extraordinary Property Losses	A-22	-	-
39	142	Preliminary Survey and Investigation Charges	A-23	-	-
40	143	Clearing Accounts	A-24	-	-
41	145	Other Work in Progress	A-25	-	-
42	146	Other Deferred Debits	A-26	290,337,313	276,853,141
43	147	Accumulated Deferred Income Tax Assets	A-27	-	-
44		Total Deferred Debits		\$ 293,033,067	\$ 279,376,871
45		Total Assets and Other Debits		\$ 1,093,839,364	\$ 989,809,555

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)	
46		I. CORPORATE CAPITAL AND SURPLUS				
47	200	Common Capital Stock	A-30	92,477,914	92,477,914	
48	201	Preferred Capital Stock	A-30a	-	-	
49	202	Stock Liability for Conversion	A-31	-	-	
50	203	Premiums and Assessments on Capital Stock	A-32	-	-	
51	206	Subchapter S Corporation Accumulated Adjustments Account	A-33	-	-	
52	150	Discount on Capital Stock	A-28	-	-	
53	151	Capital Stock Expense	A-29	-	-	
54	270	Capital Surplus	A-34	194,745,065	184,430,671	
55	271	Earned Surplus	A-35	77,319,926	69,078,842	
56		Total Capital Stock		\$ 364,542,905	\$ 345,987,427	
57						
58		II. PROPRIETARY CAPITAL				
59	204	Proprietary Capital	A-36	-	-	
60	205	Undistributed Profits of Proprietorship or Partnership	A-37	-	-	
61		Total Proprietary Capital		\$ -	\$ -	
62						
63		III. LONG-TERM DEBT				
64	210	Bonds	A-38	273,719,811	295,153,575	
65	211	Receivers' Certificates	A-39	-	-	
66	212	Advances from Affiliated Companies	A-40	-	-	
67	213	Miscellaneous Long-Term Debt	A-41	-	-	
68		Total Long-Term Debt		\$ 273,719,811	\$ 295,153,575	
69						
70		IV. CURRENT AND ACCRUED LIABILITIES				
71	220	Notes Payable	A-43	96,518,451	24,500,993	
72	221	Notes Receivable Discounted	A-44	-	-	
73	222	Accounts Payable	A-45	28,187,282	25,242,792	
74	223	Payables to Affiliated Companies	A-46	1,045,879	7,005,802	
75	224	Dividends Declared	A-47	-	-	
76	225	Matured Long-Term Debt	A-48	52,302,805	25,002,090	
77	226	Matured Interest	A-49	-	-	
78	227	Customers' Deposits	A-50	-	-	
79	228	Taxes Accrued	A-53	5,671,290	22,852,902	
80	229	Interest Accrued	A-51	2,508,087	2,140,229	
81	230	Other Current and Accrued Liabilities	A-52	20,348,361	16,558,638	
82		Total Current and Accrued Liabilities		\$ 206,582,155	\$ 123,303,446	
83						
84		V. DEFERRED CREDITS				
85	240	Unamortized Premium on Debt	A-21	-	-	
86	241	Advances for Construction	A-54	17,358,731	16,840,762	
87	242	Other Deferred Credits	A-55	81,286,482	5,692,388	
88		Total Deferred Credits		\$ 98,645,213	\$ 22,533,150	
		VI. ACCUMULATED DEFERRED TAXES				
	266	Accumulated Deferred Income Taxes - Accelerated Tax Depreciation	A-58	-	-	
	267	Accumulated Deferred Income Taxes - Other	A-59	82,538,859	140,352,645	
	268	Accumulated Deferred Investment Tax Credits	A-60	359,627	441,419	
		Total Accumulated Deferred Taxes		\$ 82,898,486	\$ 140,794,064	
89						
90		VII. RESERVES				
91	254	Reserve for Uncollectible Accounts	A-56	1,108,506	1,133,845	
92	255	Insurance Reserve	A-56	-	-	
93	256	Injuries and Damages Reserve	A-56	-	-	
94	257	Employees' Provident Reserve	A-56	-	-	
95	258	Other Reserves	A-56	522,414	96,998	
96		Total Reserves		\$ 1,630,920	\$ 1,230,843	
97						
98		VIII. CONTRIBUTIONS IN AID OF CONSTRUCTION				
99	265	Contributions in Aid of Construction	A-57	65,819,874	60,807,050	
100		Total Liabilities and Other Credits		\$ 1,093,839,364	\$ 989,809,555	

SCHEDULE B
Income Statement for the Year

Line No.	Acct.	Account (a)	Schedule Page No. (b)	Amount (c)
1		I. UTILITY OPERATING INCOME		
2	501	Operating Revenues	B-1	218,825,391
3				
4		Operating Revenue Deductions:		
5	502	Operating Expenses	B-2	128,314,046
6	503	Depreciation	A-5	22,703,551
7	504	Amortization of Limited-term Utility Investments	A-5	790,065
8	505	Amortization of Utility Plant Acquisition Adjustments	A-5	51,235
9	506	Property Losses Chargeable to Operations	B-3	-
10	507	Taxes	B-4	27,870,964
11		Total Operating Revenue Deductions		\$ 179,729,860
12		Net Operating Revenues		\$ 39,095,531
13	508	Income from Utility Plant Leased to Others	B-6	-
14	510	Rent for Lease of Utility Plant	B-7	-
15		Total Utility Operating Income		\$ 39,095,531
16				
17		II. OTHER INCOME		
18	521	Income from Nonutility Operations (Net)	B-8	106,703
19	522	Revenue from Lease of Other Physical Property	B-9	140,318
20	523	Dividend Revenues	B-10	-
21	524	Interest Revenues	B-11	3,221,419
22	525	Revenues from Sinking and Other Funds	B-12	-
23	526	Miscellaneous Nonoperating Revenues	B-13	6,060,032
24	527	Nonoperating Revenue Deductions	B-14	(609,627)
25		Total Other Income		\$ 8,918,845
26		Net Income before Income Deductions		\$ 48,014,376
27				
28		III. INCOME DEDUCTIONS		
29	530	Interest on Long-term Debt	B-15	16,505,477
30	531	Amortization of Debt Discount and Expense	B-16	235,112
31	532	Amortization of Premium on Debt - Cr.	B-17	-
32	533	Taxes Assumed on Interest	B-18	-
33	534	Interest on Debt to Affiliated Companies	B-19	-
34	535	Other Interest Charges	B-20	755,251
35	536	Interest Charged to Construction - Cr.	B-21	-
36	537	Miscellaneous Amortization	B-22	-
37	538	Miscellaneous Income Deductions	B-23	548,181
38		Total Income Deductions		\$ 18,044,021
39		Net Income		\$ 29,970,355
40				
41		IV. DISPOSITION OF NET INCOME		
42	540	Miscellaneous Reservations of Net Income	B-24	-
43	N/A	CA-AM Corporate Allocated Return on Rate Base included in Acct 502		3,141,470
44		Balance transferred to Earned Surplus or		\$ 33,111,825
45		Proprietary Accounts scheduled on pages 32-33		

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)	894,152,015	35,326,790	(3,397,652)	4,469,987	\$ 930,551,140
2	100.2	Utility Plant Leased to Others					\$ -
3	100.3	Construction Work in Progress	94,743,287	99,518,997		(35,179,744)	\$ 159,082,540
4	100.4	Utility Plant Held for Future Use	1,462,194				\$ 1,462,194
5	100.5	Utility Plant Acquisition Adjustments					\$ -
6	100.6	Utility Plant in Process of Reclassification					\$ -
7		Total utility plant	\$ 990,357,496	\$ 134,845,787	\$ (3,397,652)	\$ (30,709,757)	\$ 1,091,095,874

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		I. INTANGIBLE PLANT					
2	301	Organization	163,335	-	-	-	\$ 163,335
3	302	Franchises and Consents	418,180	-	-	-	\$ 418,180
4	303	Other Intangible Plant	2,332,974	-	-	-	\$ 2,332,974
5		Total Intangible Plant	\$ 2,914,489	\$ -	\$ -	\$ -	\$ 2,914,489
6							
7		II. LANDED CAPITAL					
8	306	Land and Land Rights	\$ 6,754,267	103,650	-	463,306	\$ 7,321,223
9							
10		III. SOURCE OF SUPPLY PLANT					
11	311	Structures and Improvements	11,993,781	163,990	-	-	\$ 12,157,771
12	312	Collecting and Impounding Reservoirs	2,435,751	-	(23,000)	-	\$ 2,412,751
13	313	Lake, River and Other Intakes	1,023,045	-	-	-	\$ 1,023,045
14	314	Springs and Tunnels		-	-	-	\$ -
15	315	Wells	38,243,491	823,317	(149,342)	671,089	\$ 39,588,555
16	316	Supply Mains	12,542,326	46,054	(388)	-	\$ 12,587,992
17	317	Other Source of Supply Plant	124,290	-	-	-	\$ 124,290
18		Total Source of Supply Plant	\$ 66,362,686	\$ 1,033,361	\$ (172,730)	\$ 671,089	\$ 67,894,406
19							
20		IV. PUMPING PLANT					
21	321	Structures and Improvements	14,439,847	1,059,078	(6,089)	5,906	\$ 15,498,742
22	322	Boiler Plant Equipment		-	-	-	\$ -
23	323	Other Power Production Equipment	4,061,817	43,710	(14,850)	-	\$ 4,090,677
24	324	Pumping Equipment	62,808,957	5,135,679	(350,544)	231,535	\$ 67,825,627
25	325	Other Pumping Plant		-	-	-	\$ -
26		Total Pumping Plant	\$ 81,310,622	\$ 6,238,467	\$ (371,483)	\$ 237,441	\$ 87,415,047
27							
28		V. WATER TREATMENT PLANT					
29	331	Structures and Improvements	19,416,136	499,802	(14,368)	-	\$ 19,901,570
30	332	Water Treatment Equipment	53,764,169	2,597,528	(232,560)	24,789	\$ 56,153,926
31		Total Water Treatment Plant	\$ 73,180,305	\$ 3,097,330	\$ (246,928)	\$ 24,789	\$ 76,055,496

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		VI. TRANSMISSION AND DIST. PLANT					
33	341	Structures and Improvements	2,348,370	450,487	(9,352)	-	\$ 2,789,505
34	342	Reservoirs and Tanks	76,191,821	2,360,387	(139,053)	129,634	\$ 78,542,789
35	343	Transmission and Distribution Mains	304,147,625	9,041,087	(169,380)	1,370,746	\$ 314,390,078
36	344	Fire Mains	151,374	-	-	-	\$ 151,374
37	345	Services	111,534,883	6,194,784	(375,371)	574,243	\$ 117,928,539
38	346	Meters	39,597,797	3,782,249	(534,850)	519,140	\$ 43,364,336
39	347	Meter Installations	34,644,413	(6,938)	-	-	\$ 34,637,475
40	348	Hydrants	28,233,011	1,020,602	(42,004)	42,599	\$ 29,254,208
41	349	Other Transmission and Distribution Plant	2,140,690	-	-	-	\$ 2,140,690
42		Total Transmission and Distribution Plant	\$ 598,989,986	\$ 22,842,658	\$ (1,270,010)	\$ 2,636,362	\$ 623,198,996
43							
44		VII. GENERAL PLANT					
45	371	Structures and Improvements	10,857,669	608,443	(18,806)	253,431	\$ 11,700,737
46	372	Office Furniture and Equipment	28,497,521	859,301	(319,909)	41,575	\$ 29,078,488
47	373	Transportation Equipment	1,050,916	43,816	(39,026)	79,176	\$ 1,134,882
48	374	Stores Equipment	15,953	-	-	-	\$ 15,953
49	375	Laboratory Equipment	329,344	4,771	(1,782)	3,245	\$ 335,578
50	376	Communication Equipment	18,048,354	212,854	(934,445)	7,010	\$ 17,333,773
51	377	Power Operated Equipment	1,574,401	2,708	(4,787)	-	\$ 1,572,322
52	378	Tools, Shop and Garage Equipment	1,770,774	167,496	(13,859)	1,209	\$ 1,925,620
53	379	Other General Plant	1,951,147	111,935	(3,887)	51,354	\$ 2,110,549
54		Total General Plant	\$ 64,096,081	\$ 2,011,324	\$ (1,336,501)	\$ 437,000	\$ 65,207,904
55							
56		VIII. UNDISTRIBUTED ITEMS					
57	390	Other Tangible Property	543,579	-	-	-	\$ 543,579
58	391	Utility Plant Purchased		-	-	-	\$ -
59	392	Utility Plant Sold		-	-	-	\$ -
60		Total Undistributed Items	\$ 543,579	\$ -	\$ -	\$ -	\$ 543,579
61		Total Utility Plant in Service	\$ 894,152,015	\$ 35,326,790	\$ (3,397,652)	\$ 4,469,987	\$ 930,551,140

SCHEDULE A-1b
Account 101 - Recycled Water 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	393	Recycled Water Intangible Plant					\$ -
2	394	Recycled Water Land and Land Rights					\$ -
3	395	Recycled Water Depreciable Plant					\$ -
4		Total Recycled Water Utility Plant	\$ -	\$ -	\$ -	\$ -	\$ -

SCHEDULE A-1c
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)	Balance End of Year ¹ (e)
1	See Addendum Reference Schedule A-1c				418,180
2					
3					
4					
5					Total \$ 418,180

¹ The total should agree with the balance at the end of the year in Account 302 in Schedule A-1a Line 3.

California - American Water Company
Schedule Attached to and Made as Part of
Annual Report to the Public Utilities Commission State of California
Schedule A-1c
Account 302 - Franchises and Consents

District	PROPERTY	NAME OF ORIGINAL GRANTOR	DATE OF GRANT	TERM YEARS	DATE OF ACQUISITION BY UTILITY	AMOUNT CARRIED ON ACCOUNT
Los Angeles	Baldwin Hills	Los Angeles County				25,897
	San Marino	Los Angeles County				7,820
Total Los Angeles District						<u>33,717</u>
Monterey	Monterey					<u>27,696</u>
Village	Village					34,692
	Orbis					28,942
						<u>63,634</u>
Sacramento	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	4,346
	Sunrise	Sacramento County	Ordinance #1158	June 16, 1975	50 June 16, 1975	75
		Ordinance #1228	May 6, 1980	50	May 6, 1980	624
		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
	Sacramento	Northridge/Placer				201,874
	Sacramento					63,523
Total Sacramento District						<u>293,773</u>
Larkfield		None				-
San Diego		None				-
Meadowbrook		None				-
Total All Districts						<u>418,820</u>

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

SCHEDULE A-1d
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		37,740
2	Dry Creek Land - 2.034 AC - Sacramento	3/16/04		281,500
3	Parcel 059 239 050 Wekk 6A - Larkfield	1/1/04		1,142,955
4				
5				
6				
7				
8				
9	Total			\$ 1,462,195

SCHEDULE A-2
Account 107 - Utility Plant Adjustments

Line No.	Description of Utility Plant Adjustments (a)	Balance Beginning of Year (b)	Balance End of Year (c)
1	Project 05410 - Ambler	55,279	55,279
2	Citizens	3,220,566	3,206,320
3	Project 05400 - CVMWC	36,335	36,335
4	Project 05510	79,497	79,497
5	Toro	260,175	260,175
6	Total	\$ 3,651,852	\$ 3,637,606

SCHEDULE A-3
Account 110 - Other Physical Property

Line No	Name and Description of Property (a)	Balance Beginning of Year (b)	Balance End of Year (c)
1	Non-Utility Property - Land	1,749,085	1,747,701
2	Non-Utility Property - Buildings	104,510	104,510
3			
4	See Addendum Reference Schedule A-3		
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15	Total	\$ 1,853,595	\$ 1,852,211

California - American Water Company
Schedule Attached to and Made as Part of
Annual Report to the Public Utilities Commission State of California
Schedule A-3
Account 110 - Other Physical Property
Land

<u>LOCATION</u>	<u>DESCRIPTION</u>	<u>ASSET ID</u>	<u>TOTAL AMOUNT</u>
053005	Land Otay Well #1	2652035	420
053005	Otay Watershed Water Rights	2652034	17,725
053005	Otay West End Grant	2652033	1,280
053005	Right of Way - Otay Wells	2652032	399
054005	Airway Tank Site #2	2652025	1,088
054005	Ch Tank Site #1, Lower Mt.	2652026	300
054005	Del Rey Terrace Tank & PP #28	2652027	40
054005	Harding Well Site Lots	2652028	1,596
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
054005	Palm Well Site	2652031	1,600
054005	Paralta Tank Site	2652029	462
054005	Pierce Well Site 200' x 100' Easement	9051192	2,310
054005	Rights of Way from Los Tularcitos D	9051199	2,178
054005	Los Laureles Tank Site (Tularcitos Dam Site) T	549130	71
054005	Pacific Grove Valve House	99194496	100
055005	San Marino	24262134	486,973
055005	San Marino	24262143	464,578
055005	Lot 1-Tract 8900	2653071	3,400
055005	Lot 6 San M Park	2653072	7,489
055005	Lot 60-Tract 1798	2653070	4,000
055005	Scott Res Site 1	2653073	516
055005	Lot 5 Trct 16128 RICH 1951	2651585	2,609
055105	Village Well #4 - Land	2652019	45
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

Schedule A-3 Land
Attachment 1 of 2

California - American Water Company
Schedule Attached to and Made as Part of
Annual Report to the Public Utilities Commission State of California
Schedule A-3
Account 110 - Other Physical Property
Land

<u>LOCATION</u>	<u>DESCRIPTION</u>	<u>ASSET ID</u>	<u>TOTAL AMOUNT</u>
056005	3415 Misty Moming Circle	2658630	34,115
056005	3608 Faberge	2651682	91
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 Castelbar	2651684	172
056005	9513 Mira Del Rio	2651678	72
056005	9605 Allegheny Well Site	2651675	75
056005	9836 Burline	2651688	100
056005	Auburn Well Site	2651690	86
056005	Barracuda Well Site	2651676	204
056005	Bellingrath Well Site	2651695	251
056005	Blackhawk Well Site	2651672	46
056005	Chardonnay Well Site No. 5	2651694	115
056005	Florin Creek Water Treatment Site	2658627	232,531
056005	Greenback Lane Well Site	2651674	40
056005	Huntsman Well Site	2651677	5
056005	Hurley Ave. Well Site Vacant	2651681	182
056005	Jeanne Well Site	2651673	345
056005	Land Parcel	2658635	17,856
056005	Linda Sue Well Site No. 2	2651669	226
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
056005	Mills Station Well Site	2651686	485
056005	Parcel Each	2658613	16,163
056005	Parcel Each	2658615	112,875
056005	Parcel Each	2658626	22,733
056005	Pomegranate/La Mancha	2658637	220,748
056005	Undescribed	2651670	18
056005	3805 Contempo	2651683	262
056105	MAP 58 090 16	2653080	7,597
Grand Total			1,747,701

California - American Water Company
Schedule Attached to and Made as Part of
Annual Report to the Public Utilities Commission State of California
Schedule A-3
Account 110 - Other Physical Property
Buildings

<u>LOCATION</u>	<u>DESCRIPTION</u>	<u>ASSET ID</u>	<u>TOTAL AMOUNT</u>
056005	5000 Gallon Pressure Tank	2651721	903
056005	Casing	2651697	1,430
056005	Concrete Sand Trap	2651720	120
056005	Fence	2651717	2,280
056005	Fence	2651710	4,052
056005	Fence	2651704	152
056005	Fence	2651700	2,564
056005	Fence	2651701	1,554
056005	Fence	2651702	1,566
056005	Fence	2651703	1,070
056005	Fence	2651705	33
056005	Fence	2651709	3,120
056005	Fence	2651707	1,142
056005	Fence	2651711	1,433
056005	Fence	2651712	1,480
056005	Fence	2651713	7,806
056005	Fence	2651714	1,818
056005	Fence	2651715	1,329
056005	Fence	2651716	2,329
056005	Fence	2651696	712
056005	Fence	2651718	3,333
056005	Gate	2651706	606
056005	Gate	2651708	874
056005	Structures & Improvements	2651719	61,911
056005	Unidentified	2651698	893
Grand Total			104,510

**SCHEDULE A-4
RATE BASE AND WORKING CASH**

Line No.	Acct.	Title of Account (a)	Balance 12/31/2017 (b)	Balance 1/1/2017 (c)
		RATE BASE		
1		Utility Plant		
2		Plant in Service	904,206,022	868,227,573
3		Construction Work in Progress	153,485,258	92,473,482
4		General Office Prorate - CA-AM Advice Letter CWIP and Walerga	(113,057,444)	(64,363,826)
5		Total Gross Plant (=Line 2 + Line 3 + Line 4)	\$ 944,633,836	\$ 896,337,229
6		Less Accumulated Depreciation		
7		Plant in Service	(321,850,160)	(303,882,929)
8		General Office Prorate		
9		Total Accumulated Depreciation (=Line 7 + Line 8)	\$ (321,850,160)	\$ (303,882,929)
10		Less Other Reserves		
11		Deferred Income Taxes	65,336,474	92,783,916
12		Deferred Investment Tax Credit	359,627	441,419
13		Other Reserves	64,593,777	303,054
14		Total Other Reserves (=Line 11 + Line 12 + Line 13)	\$ 130,289,878	\$ 93,528,389
15		Less Adjustments		
16		Contributions in Aid of Construction	66,058,809	61,778,371
		Contributions in Aid of Construction (20 year amortization and Walerga)	428,714	840,187
17		Advances for Construction	18,140,710	18,662,260
		Advances for Construction (20 year amortization)	5,045,100	6,306,400
18		Other		
19		Total Adjustments (=Line 16 + Line 17 + Line 18)	\$ 89,673,333	\$ 87,587,218
20		Add Materials and Supplies	\$ 961,609	\$ 844,636
21		Add Working Cash (=Line 34)	25,656,664	23,647,513
22		TOTAL RATE BASE		
23		(=Line 5 - Line 9 - Line 14 - Line 19 + Line 20 + Line 21)	\$ 1,073,139,057	\$ 1,043,596,700
		Working Cash		
24		Determination of Operational Cash Requirement		
25		Operating Expenses, Excluding Taxes, Depreciation & Uncollectible	\$ 127,232,636	\$ 117,483,346
26		Purchased Power & Commodity for Resale*	\$ 6,113,810	\$ 5,591,781
27		Meter Revenues: Bimonthly Billing	\$ 185,560,116	\$ 156,602,775
28		Other Revenues: Flat Rate Monthly Billing	\$ 3,029,569	\$ 2,951,446
29		Total Revenues (=Line 27 + Line 28)	\$ 188,589,685	\$ 159,554,221
30		Ratio - Flat Rate to Total Revenues (=Line 28 / Line 29)	0.0161	0.0185
31		5/24 x Line 25 x (100% - Line 30)	26,080,985	24,022,944
32		1/24 x Line 25 x Line 30	85,163	90,551
33		1/12 x Line 26	509,484	465,982
34		Operational Cash Requirement (=Line 31 + Line 32 - Line 33)	\$ 25,656,664	\$ 23,647,513
		Electric power, gas or other fuel purchased for pumping and/or * purchased commodity for resale billed after receipt (metered).		

SCHEDULE A-5
Accounts 250, 251, 252, 253, 259 - 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)	Account 259 Recycled Water Utility Plant (f)
1	Balance in reserves at beginning of year	\$ 308,545,346	\$ 13,333	\$ 2,082,327	\$ 70,191	
2	Add: Credits to reserves during year					
3	(a) Charged to Account 503 ⁽¹⁾	22,701,984			1,567	
	(b) Charged to Account 504 ⁽¹⁾	2,172	790,065			
	(c) Charged to Account 505 ⁽¹⁾	-		51,235		
4	(d) Charged to Account 265	1,933,574				
5	(e) Charged to clearing accounts					
6	(f) Salvage recovered	46,075				
7	(g) All other credits ⁽²⁾	909,482				
8	Total credits	\$ 25,593,287	\$ 790,065	\$ 51,235	\$ 1,567	\$ -
9	Deduct: Debits to reserves during year					
10	(a) Book cost of property retired	(3,413,153)				
11	(b) Cost of removal	(2,722,294)				
12	(c) All other debits ⁽³⁾		(789,065)			
13	Total debits	\$ (6,135,447)	\$ (789,065)	\$ -	\$ -	\$ -
14	Balance in reserve at end of year	\$ 328,003,186	\$ 14,333	\$ 2,133,562	\$ 71,758	\$ -
15						
16	(1) COMPOSITE DEPRECIATION RATE USED FOR STRAIGHT LINE REMAINING LIFE:				2.72%	
17						
18	(2) EXPLANATION OF ALL OTHER CREDITS:					
19	Other credits represents Meadowbrook Acquisition					
20						
21						
22						
23						
24						
25						
26						
27	(3) EXPLANATION OF ALL OTHER DEBITS:					
28	Other debits account 251 represent amounts charged to 504 that do not offset to 251					
29						
30						
31						
32						
33						
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	(X)		on additions 1981 through 1986		
40	(3) MACRS	(X)		on additions after 1986		
41	(4) Others	(X)		150% DBM on property acquired 4-1-66		
42	(c) Both straight line and liberalized	()		ADR on Additions 1971 through 1980		

SCHEDULE A-5a

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 (Dr.) During Year Excl. Cost Removal (d)	Salvage and Cost of Removal Net (Dr.) or Cr. (e)	Balance End of Year (f)
1		I. SOURCE OF SUPPLY PLANT					
2	311	Structures and Improvements	1,445,037	326,323	-	(2,878)	\$ 1,768,482
3	312	Collecting and Impounding Reservoirs	1,612,760	136,711	(23,000)	(55,538)	\$ 1,670,933
4	313	Lake, river and Other Intakes	424,916	32,728	-	-	\$ 457,644
5	314	Springs and Tunnels		-	-	-	\$ -
6	315	Wells	15,957,667	1,685,652	(149,342)	(35,841)	\$ 17,458,136
7	316	Supply Mains	2,950,546	259,340	(388)	(8,617)	\$ 3,200,881
8	317	Other Source of Supply Plant	85,271	4,579	-	-	\$ 89,850
9		Total Source of Supply Plant	\$ 22,476,196	\$ 2,445,333	\$ (172,730)	\$ (102,874)	\$ 24,645,925
10							
11		II. PUMPING PLANT					
12	321	Structures and Improvements	3,151,380	288,771	(6,089)	(5,488)	\$ 3,428,574
13	322	Boiler Plant Equipment		-	-	-	\$ -
14	323	Other Power Production Equipment	1,294,747	162,522	(14,850)	(1,397)	\$ 1,441,022
15	324	Pumping Equipment	24,016,041	2,519,632	(366,045)	(138,815)	\$ 26,030,813
16	325	Other Pumping Plant		-	-	-	\$ -
17		Total Pumping Plant	\$ 28,462,169	\$ 2,970,925	\$ (386,984)	\$ (145,700)	\$ 30,900,410
18							
19		III. WATER TREATMENT PLANT					
20	331	Structures and Improvements	7,972,868	354,115	(14,368)	(12,975)	\$ 8,299,640
21	332	Water Treatment Equipment	22,199,322	1,263,531	(232,560)	(65,021)	\$ 23,165,272
22		Total Water Treatment Plant	\$ 30,172,190	\$ 1,617,646	\$ (246,928)	\$ (77,996)	\$ 31,464,912
23							
24		IV. TRANS. AND DIST. PLANT					
25	341	Structures and Improvements	280,554	71,241	(9,352)	(1,254)	\$ 341,189
26	342	Reservoirs and Tanks	23,302,089	1,426,015	(139,053)	(150,484)	\$ 24,438,567
27	343	Transmission and Distribution Mains	101,262,254	5,977,336	(169,379)	(396,737)	\$ 106,673,474
28	344	Fire Mains	(25,043)	2,671	-	-	\$ (22,372)
29	345	Services	43,239,763	3,169,954	(375,371)	(1,207,878)	\$ 44,826,468
30	346	Meters	14,709,489	2,195,052	(534,850)	(336,019)	\$ 16,033,672
31	347	Meter Installations	10,546,055	1,786,456	-	-	\$ 12,332,511
32	348	Hydrants	10,986,355	674,615	(42,004)	(224,315)	\$ 11,394,651
33	349	Other Transmission and Distribution Plant	302,421	72,156	-	-	\$ 374,577
34		Total Transmission and Distribution Plant	\$ 204,603,936	\$ 15,375,496	\$ (1,270,009)	\$ (2,316,687)	\$ 216,392,736
35							
36		V. GENERAL PLANT					
37	371	Structures and Improvements	2,904,186	339,709	(18,805)	(6,086)	\$ 3,219,003
38	372	Office Furniture and Equipment	4,682,953	1,874,930	(319,909)	(2,238)	\$ 6,235,736
39	373	Transportation Equipment	575,364	35,481	(39,026)	(4,257)	\$ 567,562
40	374	Stores Equipment	9,644	348	-	-	\$ 9,992
41	375	Laboratory Equipment	180,507	13,603	(1,782)	(485)	\$ 191,843
42	376	Communication Equipment	10,903,129	656,264	(934,447)	(17,776)	\$ 10,607,170
43	377	Power Operated Equipment	1,122,952	32,160	(4,787)	(554)	\$ 1,149,771
44	378	Tools, Shop and Garage Equipment	798,244	57,140	(13,859)	(1,205)	\$ 840,320
45	379	Other General Plant	(2,540,619)	112,643	(3,887)	(361)	\$ (2,432,224)
46	390	Other Tangible Property	4,194,493	15,538	-	-	\$ 4,210,031
47	391	Water Plant Purchased					\$ -
48		Total General Plant	\$ 22,830,852	\$ 3,137,816	\$ (1,336,502)	\$ (32,962)	\$ 24,599,204
49		Total	\$ 308,545,343	\$ 25,547,216	\$ (3,413,153)	\$ (2,676,219)	\$ 328,003,187

SCHEDULE A-6
Account 111 - Investments in Affiliated Companies

Line No.	Class of Security (a)	Name of Issuing Company (b)	Balance Beginning of Year (c)	Balance 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			\$ -	\$ -		\$ -	\$ -

SCHEDULE A-7
Account 112 - Other Investments

Line No.	Name and Description of Property (a)	Balance Beginning of Year (b)	Balance End of Year (c)
1	Goodwill - Meadowbrook	-	1,787,735
2			
3			
4			
5			
6			
7			
8			
9	Total	\$ -	\$ 1,787,735

SCHEDULE A-8
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		\$ -	\$ -	\$ -	\$ -	\$ -

SCHEDULE A-9
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		Total	\$ -	\$ -	\$ -	\$ -

SCHEDULE A-10
Account 120 - Cash

Line No.	Description of Items (a)	Balance Beg of Year (b)	Balance End of Year (c)
1	Cash in Banks	225,840	137,671
2			
3			
4			
5	Total	\$ 225,840	\$ 137,671

SCHEDULE A-11
Account 121 - Special Deposits

Line No.	Name of Depository (a)	Purpose of Deposit (b)	Balance Beg of Year (c)	Balance End of Year (d)
1	Air Commercial Real Estate Assoc.	CA - Corp Office Security Deposit - unrefunded balance	2,575	-
2	Selvin Commercial Properties	Village Office Lease	15,913	15,913
3	655 WB Operating, LLC	CA - Corp Office Security Deposit	37,445	37,445
4	East West Bank	Montgomery Building Lease Deposit	19,992	19,992
5				
6		Total	\$ 75,925	\$ 73,350

**SCHEDULE A-12
Account 122 - Working Funds**

Line No.	Description of Items (a)	Balance Beg of Year (b)	Balance End of Year (c)
1	Petty Cash	2,552	2,552
2			
3			
4			
5	Total	\$ 2,552	\$ 2,552

**SCHEDULE A-13
Account 123 - Temporary Cash Investments**

Line No.	Description of Items (a)	Balance Beg of Year (b)	Balance End of Year (c)
1	None	-	-
2			
3			
4			
5	Total	\$ -	\$ -

**SCHEDULE A-14
Account 124 - Notes Receivable**

Line No.	Maker (a)	Date of Issue (b)	Date Payable (c)	Balance Beg of Year (d)	Balance End of Year (e)	Interest Rate (f)	Interest Accrued During Year (g)	Interest Received During Year (h)
1	None			-	-			
2								
3								
4								
5								
6	Total			\$ -	\$ -		\$ -	\$ -

**SCHEDULE A-15
Account 125 - Accounts Receivable**

Line No.	Acct.	Description of Items (a)	Balance Beg of Year (b)	Balance End of Year (c)
1	125-1	Accounts Receivable - Customers	10,608,512	16,416,152
2	125-2	Other Accounts Receivable	1,090,864	1,071,986
3				
4				
5	Total		\$ 11,699,376	\$ 17,488,138

SCHEDULE A-16
Account 126 - Receivables from Affiliated Companies

Line No.	Due from Whom (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Interest Rate (d)	Interest Accrued During Year (e)	Interest Received During Year (f)
1	American Water Capital Corporation	102	8,136			
2	American Water Works Service Company	46,138	915,664			
3	American Water Works Company	32,575	3,363,487			
4	Miscellaneous Intercompany Clearing	115,296	306,677			
5						
6						
7						
8						
9						
10	Total	\$ 194,111	\$ 4,593,964		\$ -	\$ -

SCHEDULE A-17
Account 131 - Materials and Supplies

Line No.	Description of Items (a)	Balance Beg of Year (b)	Balance End of Year (c)
1	131.1 Materials and Supplies - Utility	844,636	961,609
2	131.2 Materials and Supplies - Other		
3			
4			
5	Total	\$ 844,636	\$ 961,609

SCHEDULE A-18
Account 132 - Prepayments

Line No.	Item (a)	Balance Beginning of Year (b)	Balance End of Year (c)
1	Prepaid Property Taxes	174,362	167,603
2	Prepaid Insurance	113,924	14,985
3	Prepaid Other	2,958,867	2,155,772
4			
5			
6			
7			
8			
9			
10	Total	\$ 3,247,153	\$ 2,338,360

SCHEDULE A-19
Account 133 - Other Current and Accrued Assets

Line No.	Item (a)	Balance Beginning of Year (b)	Balance End of Year (c)
1	Accrued Utility Revenues	6,679,836	6,577,169
2	Deferred Vacation Pay	2,311,509	482,897
3			
4			
5			
6			
7			
8			
9			
10	Total	\$ 8,991,345	\$ 7,060,066

SCHEDULE A-20
Account 140 - Unamortized Debt Discount and Expense

Line No.	Designation of long-term debt (a)	Principal amount of securities to which discount and expense, relates (b)	Total discount and expense (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	6/19/1990	6/1/2020	20,009		(5,864)	\$ 14,145	
2	Allstate Life Ins.- 9.22%	10,000,000	104,754	6/1/1991	6/1/2021	25,122		(5,697)	\$ 19,425	
3	American United Life Ins. - 6.76%	10,000,000	50,953	12/1/1993	12/1/2023	16,846		(2,441)	\$ 14,405	
4	Salkeid & Co. - 6.76%	10,000,000	56,021	12/1/1993	12/1/2033	30,651		(1,816)	\$ 28,835	
5	State Life & American United Ins. - 7.33%	10,000,000	255,110	5/1/1996	5/1/2026	102,033		(10,957)	\$ 91,076	
6	American Water Capital Corp. -5.62%	52,300,000	176,610	12/21/2006	12/21/2018	29,166		(14,791)	\$ 14,375	
7	American Water Capital Corp. -5.77%	75,700,000	267,484	12/21/2006	12/21/2021	88,924		(17,916)	\$ 71,008	
8	American Water Capital Corp. -10%*	35,000,000	1,179,875	12/1/2013	3/1/2024	1,034,486		(47,195)	\$ 987,291	
9	American Water Capital Corp. -5.25%	35,000,000	713,069	8/18/2010	8/1/2040	560,506		(23,828)	\$ 536,678	
10	American Water Capital Corp. -3.85%	25,000,000	210,000	11/20/2013	3/1/2024	146,568		(20,472)	\$ 126,096	
11	American Water Capital Corp. -1.60%	25,000,000	14,265	6/27/2014	10/15/2017	3,119		(3,410)	\$ (291)	
12	American Water Capital Corp. -4.30%	30,000,000	314,674	8/13/2015	9/1/2045	300,189		(10,499)	\$ 289,690	
13	American Water Capital Corp. -3.75%	25,000,000	259,907	8/10/2017	9/1/2047	-	259,907	(3,258)	\$ 256,649	
14	American Water Capital Corp. -3.75%	5,940,000	61,736	8/10/2017	9/1/2047	-	61,754	(774)	\$ 60,980	
15	Financing Fee		85,475	8/10/2017	9/1/2047	-	85,475	(948)	\$ 84,527	
16	Revolver Fees		353,900			166,111		(65,246)	\$ 100,865	
17									\$ -	
18	*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								\$ -	
19									\$ -	
20									\$ -	
21							\$ 2,523,730	\$ 407,136	\$ (235,112)	\$ 2,695,754

SCHEDULE A-21
Account 240 - Unamortized Premium on Debt

Line No.	Designation of long-term debt (a)	Principal amount of securities to which premium minus expense, relates (b)	Total 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	None								\$ -	
2									\$ -	
3									\$ -	
4									\$ -	
5									\$ -	
6									\$ -	
7									\$ -	
8									\$ -	
9									\$ -	
10									\$ -	
11									\$ -	
12									\$ -	
13									\$ -	
14									\$ -	
15									\$ -	
16									\$ -	
17									\$ -	
18							\$ -	\$ -	\$ -	\$ -

SCHEDULE A-22
Account 141 - Extraordinary Property Losses

Line No.	Description of Property Loss or Damage (a)	Total Amount of Loss (b)	Previously Written off (c)	Balance Beg of Year (d)	Written Off During Year		Balance End of year (g)
					Account Charged (e)	Amount (f)	
1	None						\$ -
2							\$ -
3							\$ -
4	Total	\$ -	\$ -	\$ -		\$ -	\$ -

SCHEDULE A-23
Account 142 - Preliminary Survey and Investigation Charges

Line No.	Description of Charges (a)	Balance Beg of Year (b)	Balance End of Year (c)
1	None		
2			
3			
4			
5	Total	\$ -	\$ -

SCHEDULE A-24
Account 143 - Clearing Accounts

Line No.	Description of Items (a)	Balance Beg of Year (b)	Balance End of Year (c)
1	None		
2			
3			
4			
5	Total	\$ -	\$ -

SCHEDULE A-25
Account 145 - Other Work in Progress

Line No.	Description of Items (a)	Balance Beg of Year (b)	Balance End of Year (c)
1	None		
2			
3			
4			
5	Total	\$ -	\$ -

SCHEDULE A-26
Account 146 - Other Deferred Debits

Line No.	Item (a)	Balance Beg of Year (b)	Balance End of year (c)
1	See Addendum Reference Schedule A-26	276,853,141	290,337,313
2			
3			
4			
5			
6	Total	\$ 276,853,141	\$ 290,337,313

SCHEDULE A-27
Account 147 - Accumulated Deferred Income Tax Assets

Line No.	Description of Items (a)	Balance Beg of Year (b)	Balance End of Year (c)
1	None	-	-
2			
3			
4			
5	Total	\$ -	\$ -

SCHEDULE A-28
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 Beg of Year (b)	Balance End of year (c)
1	None		
2			
3	Total	\$ -	\$ -

SCHEDULE A-29
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 Beg of Year (b)	Balance End of year (c)
1	None		
2			
3	Total	\$ -	\$ -

California - American Water Company
Schedule Attached to and Made as Part of
Annual Report to the Public Utilities Commission State of California
Schedule A-26
Account 146 - Other Deferred Debits

Line No.	Item (a)	Balance Beg of Year (b)	Balance End of Year (c)
1	RWIP - Cost of Removal	3,636,535	3,346,294
2	Reg Asset-AFUDC-Eq-CWIP	1,686,868	4,096,685
3	Reg Asset-AFUDC-Equity	589,455	589,455
4	Reg Asset-Other	(185,222)	(164,402)
5	Reg Asset-Accum Amortization	(399,714)	(415,869)
6	Programmed Maintance-Tank Painting	5,370,886	5,635,136
7	Deferred OPEB	162,823	5,493
8	Deferred Pension	(4,694,070)	190,363
9	FAS 112 Costs	116,573	-
10	Deferred Consulting Fees - Dunnigan	174,564	324,952
11	Enviromental Remediation Study-NOAA	(649,885)	5,500,000
12	Carmel River Mitigation	(911,940)	-
13	Sobranes Fire - Fuel Reduction	142,029	246,509
14	Cease & Desist Order Memo Account	1,148,647	4,540,287
15	Closing Costs - Geyserville	34,370	95,948
16	CIAC's Vintage - Method 5	167,272	220,221
17	Low Income Program	3,115,880	3,329,192
18	Catastophic Event	-	125,036
19	Old Monterey Style Water Revenue Adjustment Mechanism (WRAM)	951,620	960,700
20	San Clemente Dam AFUDC	91,291,774	89,220,285
21	San Clemente Dam Removal Costs	(262,711)	(882,129)
22	Funds Restricted for Construction - Garrapata SDWSRF	14,236	15,208
23	WRAM/MCBA	91,958,172	96,904,754
24	School Lead Testing	-	4,588
25	Rogue Creek System - Meadowbrook CIAC	-	575,000
26	Coastal Water Project	3,788,256	4,339,550
27	Seaside Groundwater Basin	(1,080,665)	-
28	Endangered Species Act (ESA)	1,372,236	567,755
29	Conservation/Rationing	2,576,671	2,766,053
30	Other Reg Asset	197,032	2,048,697
31	GAAP recording of EITF	(6,721,075)	(7,746,468)
32	Citizens Acquistion Purchase Premium-Net of Amortization	53,056,822	52,486,075
33	Deferred Charges - CAC GrossUp	1,098,154	1,095,342
34	Deferred Charges - CAC DIT	1,170,425	1,167,428
35	Sand City Desal Plant Pur Wtr Bal Acct	1,442,164	1,746,453
36	Reg Asset - Leak Adjustments	3,817,839	-
37	Reg Asset - Water Action Plan - Memo Acct	75,731	76,503
38	Other Long Term Asset	7,784,010	8,215,399
39	Authorized Balancing Account	14,817,379	9,110,820
40			
41	Total	276,853,141	290,337,313

SCHEDULE A-30								
Account 200 - Common 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 ¹ (d)	Balance Beg of Year (e)	Balance End of Year (f)	Dividends Declared During Year	
							Rate (g)	Amount (h)
1	Common	2,000,000	\$ -	619,136	92,477,914	92,477,914		25,254,557
2								
3								
4								
5								
6	Total				\$ 92,477,914	\$ 92,477,914		\$ 25,254,557

¹ After deduction for amount of reacquired stock held by or for the respondent.

SCHEDULE A-30a								
Account 201- Preferred 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 ¹ (d)	Balance Beg of Year (e)	Balance End of Year (f)	Dividends Declared During Year	
							Rate (g)	Amount (h)
1	None				-	-		
2								
3								
4								
5								
6	Total				\$ -	\$ -		\$ -

¹ After deduction for amount of reacquired stock held by or for the respondent.

SCHEDULE A-30b				
Record of Stockholders at End of Year				
Line No.	COMMON STOCK Name (a)	Number Shares (b)	PREFERRED STOCK Name (c)	Number Shares (d)
1	American Water Works Co., Inc.	619,136	None	
2				
3				
4				
5				
6				
7				
8				
9	Total number of shares	619,136	Total number of shares	-

SCHEDULE A-31			
Account 202 - Stock Liability for Conversion			
Line No.	Description of Items (a)	Balance Beg of Year (b)	Balance End of Year (c)
1	None	-	-
2			
3			
4			
5	Total	\$ -	\$ -

SCHEDULE A-32
Account 203 - Premiums and Assessments on Capital Stock

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

SCHEDULE A-33
Account 206 - Subchapter S Corporation Accumulated Adjustments Account

Line No.	Description of Items (a)	Amount (b)
1	Balance beginning of year N/A	
2	Credit:	
3	Net Income	
4	Accounting Adjustments	
5		
6	Debit:	
7	Net Loss	
8	Accounting Adjustments	
9	Dividends	
10		
11	Balance end of year	\$ -

SCHEDULE A-34
Account 270 - Capital Surplus (For use by Corporations only)

Line No.	Item (a)	Amount (b)
1	Balance beginning of year	\$ 184,430,671
2	CREDITS (Give nature of each credit and state account charged)	
3	Employee Stock Purchase Program	56,096
4	Equity Infusion	10,000,000
5	Restricted Stock Units & Options	258,298
6	Total credits	\$ 10,314,394
7	DEBITS (Give nature of each debit and state account credited)	
8		
9		
10		
11	Total debits	\$ -
12	Balance end of year	\$ 194,745,065

SCHEDULE A-35
Account 271 - Earned Surplus (For use by Corporations only)

Line No.	Acct	Account (a)	Amount (b)
1		Balance beginning of year	\$ 69,078,842
2		CREDITS	
3	400	Credit balance transferred from income account	33,111,825
4	401	Miscellaneous credits to surplus (specify)	
5		Change in Monterey Waste Water Retained Earnings	1,621
6		Change in Dunnigan Waste Water Retained Earnings	(48,593)
7		Total credits	\$ 33,064,853
8		DEBITS	
9	410	Debit balance transferred from income account - Monterey Waste Water	157,029
10	410	Debit balance transferred from income account - Dunnigan Waste Water	(74,186)
11	411	Dividend appropriations-preferred stock	
12	412	Dividend appropriations-Common stock	(25,254,557)
13	413	Miscellaneous reservations of surplus	
14	414	Miscellaneous debits to surplus (specify)	
15		Cumulative Effect for change in accounting principle	347,945
16		Total debits	\$ (24,823,769)
17		Balance end of year	\$ 77,319,926

SCHEDULE A-36
Account 204 - Proprietary Capital
(Sole Proprietor or Partnership)

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

SCHEDULE A-37
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 - Schedule Not Applicable	
2	CREDITS	
3	Net income for year	
4	Other credits (specify)	
5		
6	Total credits	\$ -
7	DEBITS	
8	Net loss for year	
9	Withdrawals during year	
10	Other debits (specify)	
11		
12	Total debits	\$ -
13	Balance end of year	\$ -

SCHEDULE A-38
Account 210 - Bonds

Line No.	Class of Bond (a)	Date of Issue (b)	Date of Maturity (c)	Principal Amount Authorized (d)	Balance Beg of Year (e)	Balance End of Year (f)	Rate of Interest (g)	Sinking Fund Added in Current Year (h)	Cost of of issuance (i)	Interest Accrued During Year (j)	Interest Paid During Year (k)
1	General Mortgage Bonds	6/1/1990	6/1/2020	6,000,000	6,000,000	6,000,000	9.71%		101,992	582,600	582,600
2	General Mortgage Bonds	6/1/1991	6/1/2021	10,000,000	10,000,000	10,000,000	9.22%		104,754	922,000	922,000
3	General Mortgage Bonds	12/1/1993	12/1/2023	10,000,000	10,000,000	10,000,000	6.76%		50,953	676,000	676,000
4	General Mortgage Bonds	12/1/1993	12/1/2033	10,000,000	10,000,000	10,000,000	6.76%		56,021	676,000	676,000
5	General Mortgage Bonds	5/1/1996	5/1/2026	10,000,000	10,000,000	10,000,000	7.33%		255,110	733,000	733,000
6	Notes Payable to Affiliate	12/21/2006	12/21/2018	52,300,000	52,300,000	-	5.62%		176,610	2,939,260	2,939,260
7	Notes Payable to Affiliate	12/21/2006	12/21/2021	75,700,000	75,700,000	75,700,000	5.77%		267,484	4,367,890	4,367,890
8	Notes Payable to Affiliate	6/27/2014	10/15/2017	25,000,000			1.60%		14,265	316,667	400,000
9	Notes Payable to Affiliate	8/18/2010	8/1/2040	35,000,000	35,000,000	35,000,000	5.25%		713,069	1,837,500	1,837,500
10	Notes Payable to Affiliate*	11/20/2013	3/1/2024	25,000,000	25,000,000	25,000,000	3.85%		1,389,875	962,500	962,500
11	Debt Discount Related to 3.85% series				(69,537)	(59,834)				9,703	
12	Notes Payable to Affiliate	8/13/2015	9/1/2045	30,000,000	30,000,000	30,000,000	4.30%		314,674	1,290,000	1,290,000
13	Debt Discount Related to 4.30% series				(376,448)	(363,181)				13,267	
14	Notes Payable to Affiliate	12/7/2016	12/21/2021	31,500,000	31,500,000	31,500,000	2.29%		0	721,350	721,350
15	Notes Payable to Affiliate	8/10/2017	9/1/2047	25,000,000	0	25,000,000	3.75%		259,907	364,583	
16	Notes Payable to Affiliate	8/10/2017	9/1/2047	5,940,000	-	5,940,000	3.75%		61,736	86,625	
17	Debt Discount Related to 3.75% series				-	(93,929)				1,057	
18	Water Facility Loan - Garrapata	4/1/2012	2/28/2033		99,560	96,755	2.50%		0	5,476	2,531
19											
20				Total	\$ 295,153,575	\$ 273,719,811		\$ -	\$ 3,766,450	\$ 16,505,478	\$ 16,110,631

* 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.

SCHEDULE A-39
Account 211 - Receivers' Certificates

Line No.	Description of Items (a)	Balance Beg of Year (b)	Balance End of Year (c)
1	None	-	-
2			
3			
4			
5	Total	\$ -	\$ -

SCHEDULE A-40
Account 212 - Advances from Affiliated Companies

Line No.	Nature of Obligation (a)	Balance Beg of Year (b)	Balance End of Year (c)	Rate of Interest (d)	Interest Accrued During Year (e)	Interest Paid During Year (f)
1	None	-	-			
2						
3						
4						
5	Total	\$ -	\$ -		\$ -	\$ -

SCHEDULE A-41
Account 213 - Miscellaneous Long-Term Debt

Line No.	Nature of Obligation (a)	Date of Issue (b)	Date of Maturity (c)	Balance Beg of Year (d)	Balance End of Year (e)	Rate of Interest (f)	Interest Accrued During Year (g)	Interest Paid During Year (h)
1								
2	None							
3								
4								
5								
6								
7								
8	Total			\$ -	\$ -		\$ -	\$ -

SCHEDULE A-42
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	None				
3					
4					
5	Total		\$ -	\$ -	\$ -

SCHEDULE A-43
Account 220 - Notes Payable

Line No.	In Favor of (a)	Date of Issue (b)	Date of Maturity (c)	Balance Beg of Year (d)	Balance End of Year (e)	Rate of Interest (f)	Interest Accrued During Year (g)	Interest Paid During Year (h)
1	American Water Capital Corporation	None	None	24,500,993	96,518,451	NA		756,006
2								
3								
4								
5								
6								
7	Total			\$ 24,500,993	\$ 96,518,451		\$ -	\$ 756,006

SCHEDULE A-44
Account 221 - Notes Receivable Discounted

Line No.	Description of Items (a)	Balance Beg of Year (b)	Balance End of Year (c)
1	None	-	-
2			
3			
4			
5	Total		\$ -

SCHEDULE A-45
Account 222 - Accounts Payable

Line No.	Description of Items (a)	Balance Beg of Year (b)	Balance End of Year (c)
1	AP - Project Cost Accrual	8,867,098	13,679,871
2	AP - GRIR Capital Services	225,514	544,696
3	AP - Contract Retentions	6,546,885	429,660
4	AP - Miscellaneous	9,603,295	13,533,055
5	Total		\$ 25,242,792

SCHEDULE A-46
Account 223 - Payables to Affiliated Companies

Line No.	Nature of Obligation (a)	Balance Beg of Year (b)	Balance End of Year (c)	Rate of Interest (d)	Interest Accrued During Year (e)	Interest Paid During Year (f)
1	American Water Works Service Company	534,096	1,048,694	NA	NA	NA
2	American Water Capital Corporation	1,573,782	(3,190)			
3	Miscellaneous Intercompany Clearing	4,897,924	375			
4						
5						
6						
7	Total		\$ 7,005,802	\$ 1,045,879	\$ -	\$ -

SCHEDULE A-47
Account 224 - Dividends Declared

Line No.	Description of Items (a)	Balance Beg of Year (b)	Balance End of Year (c)
1	None	-	-
2			
3			
4			
5	Total	\$ -	\$ -

SCHEDULE A-48
Account 225 - Matured Long-Term Debt

Line No.	Description of Items (a)	Balance Beg of Year (b)	Balance End of Year (c)
1	Notes Payable to Affiliate 5.62% Series due 12/21/2018	-	52,300,000
2	Notes Payable to Affiliate 1.60% Series matured 10/15/2017	25,000,000	
3	Water Facility Loan 2.50% - current portion	2,090	2,805
4			
5	Total	\$ 25,002,090	\$ 52,302,805

SCHEDULE A-49
Account 226 - Matured Interest

Line No.	Description of Items (a)	Balance Beg of Year (b)	Balance End of Year (c)
1	None	-	-
2			
3			
4			
5	Total	\$ -	\$ -

SCHEDULE A-50
Account 227 - Customers' Deposits

Line No.	Description of Items (a)	Balance Beginning of Year (b)	Balance End of Year (c)
1	None		
2			
3			
4			
5	Total	\$ -	\$ -

SCHEDULE A-51
Account 229 - Interest Accrued

Line No.	Description of Items (a)	Balance Beginning of Year (b)	Balance End of Year (c)
1	229-1 Interest Accrued on Long-Term Debt	2,140,229	2,508,087
2	229-2 Interest Accrued on Other Liabilities		
3			
4			
5	Total	\$ 2,140,229	\$ 2,508,087

SCHEDULE A-52
Account 230 - Other Current and Accrued Liabilities

Line No.	Description (a)	Balance Beginning of Year (a)	Balance End of Year (b)
1	Accrued Vacation	2,311,509	482,897
2	Accrued Purchase Water	3,786,859	4,034,924
3	Accrued Purchase Power	392,606	444,609
4	Accrued Legal	48,570	98,679
5	Accrued Wages	967,061	1,064,007
6	Accrued Insurance, Retro Insurance Adjustment and Unfunded	1,808,307	942,216
7	Accrued Retire Medical	36,000	41,000
8	Accrued DCP Contribution	30,284	33,505
9	Accrued Bank Fees	35,615	50,590
10	Accrued Severance	143,262	670,000
11	Accrued Payroll Withholding & Taxes	32,339	33,033
12	Accrued Employee 401K Match	20,939	24,571
13	Accrued Litigation	1,550,000	1,056,558
14	Unclaimed Credits	39,065	14,384
15	Unclaimed AP Checks	42,315	130,145
16	GRIR Capital Expenditures	535,564	1,402,079
17	Incentive Plan Cash Annual	2,464,383	2,245,697
18	NOAA Settlement - Current Portion		2,200,000
19	Collection For PUC Surcharges	462,356	723,474
20	Collection for Others - MPWMD User Fee	-	773,050
21	Collection For Other-Gross Recorded Tax	424,027	466,813
22	Collection For Other-Municipal Tax	1,504,355	1,824,477
23	Collection for Others	(2,121)	272
24	Collection For Others Miscellaneous	6,626	11,096
25	Other Current Liability Analyzed	(81,283)	1,580,285
26			
27	Total	\$ 16,558,638	\$ 20,348,361

SCHEDULE A-53
Account 228 - Taxes Accrued

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 and 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 48, for a distribution of taxes charged, columns (c) - (f) 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 - accrued	2,797		4,388,203	3,112,411	(1,384,921)	(106,332)	
2	Taxes on real and personal property - prepaid		174,362	335,489	1,713,651	1,384,921		167,603
3	State corporation franchise tax	193,297		178,805	213,107		158,995	
4	State unemployment insurance tax	5		112,262	112,265		2	
5	Other state and local taxes	48,324		232,882	246,353		34,853	
6	Federal unemployment insurance tax			13,311	13,311		-	
7	Fed. ins. contr. act (old age retire.)	240,571		2,007,152	2,017,058		230,665	
8	Other federal taxes							
9	Federal income taxes	24,359,225		9,633,458	30,516,435	127,824	3,604,072	
10	State income taxes	(1,991,318)		3,691,609		48,743	1,749,034	
11	Licenses							
12	Miscellaneous							
13	Deferred Taxes & ITC			7,979,547		(7,979,547)	-	
14	Total	\$ 22,852,902	\$ 174,362	\$ 28,572,718	\$ 37,944,591	\$ (7,802,980)	\$ 5,671,290	\$ 167,603

(1) Fed. & State income tax on CIAC & Advances

SCHEDULE A-54
Account 241 - Advances for Construction

Line No.	Description (a)	Amount (b)
1	Balance beginning of year	16,840,762
2	Additions during year	1,045,548
3	Subtotal - Beginning balance plus additions during year	\$ 17,886,310
4	Charges during year	
5	Refunds:	
6	Percentage of revenue basis	
7	Proportionate cost basis	574,572
8	Present worth basis	
9	Total refunds	\$ 574,572
10	Transfers to Acct 265 - Contributions in Aid of Construction	
11	Due to expiration of contracts	(46,993)
12	Due to present worth discount	
13	Total transfers to Acct. 265	\$ (46,993)
14	Securities Exchanged for Contracts (enter detail below)	
15	Subtotal - Charges during year	\$ 527,579
16	Balance end of year	\$ 17,358,731

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-55
Account 242 - Other Deferred Credits

Line No.	Item (a)	Balance Beginning of Year (b)	Balance End of Year (c)
1	* Def FIT Liability - See Note Below	-	-
2	* Def SIT-Other - See Note Below	-	-
3	* Unamortized ITC - 10% - See Note Below	-	-
4	* Unamortized ITC - 6% - See Note Below	-	-
5	Reg Liab-Exc Def FIT	21	66,072,245
6	Reg Liab-Deficit Def FIT	(14,877)	(10,101)
7	Reg Liab-Exc Def Depr SIT	964	
8	Reg Liab-ITC Gross-Up 10%	186,366	159,826
9	Reg Liab-ITC Gross-Up 6%	33,165	19,116
10	Conservation Surcharge	(918,041)	23,140
11	MTBE Settlement	666,667	-
12	Imperial Beach Lease	98,393	144,198
13	DCA-Accr Pension Def Benefit	(4,911,831)	(4,027,163)
14	Reg Liab- Pension Tracker	4,911,831	4,090,787
15	DCA-Accr OPEB	294,504	294,504
16	DCA-Accr OPEB Med Subsidy	609,888	670,463
17	MPWMD Conservation	1,048,689	87,570
18	DCA-FAS 112 Costs	116,573	-
19	Accr Div Equivalents	32,575	29,484
20	Accr NOAA Settlement		3,300,000
21	Accr Long Term Liability Other		420,000
22	Reg Liab-CAC CP	1,137,202	1,103,374
23	Deferred Revenue - CAC	113,643	119,082
24	DCA-Def Rev CIAC	57,559	71,662
25	DCA-Def Rev CIAC FIT	53,034	8,133
26	DCA-Defined Compensation Plan	3,026	9,307
27	DCA-Tax Gross-Up AIC	1,183,549	1,204,479
28	DCA-Tax Gross-Up AIC FIT/SIT	(24,768)	(57,482)
29	DCA-Tax Gross-Up AIC SIT	(33)	(267)
30	Reg Liab-Affiliate Transfer Fee/Los Padres Dam Study	629,780	7,125,754
31	Reg Liability - Vintage CIAC's	233,545	294,171
32	DCN-Adv Pay & Dep Other	150,964	134,200
33			
34	*These accounts were included in the Other deferred Credits of the 2016 report in aggregate of \$140,794,064		
35	They are included on the 2017 report schedule A-55 for information purposes only		
36	Refer to schedules A-59 and A-60 for balances		
37	Total	\$ 5,692,388	\$ 81,286,482

SCHEDULE A-56
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	1,133,845	Reserve Bad Debt	(478,304)		452,965	\$ 1,108,506
2	255						\$ -
3	256						\$ -
4	257						\$ -
5	258	96,998	FIN 48 Reserve			425,416	\$ 522,414
6							\$ -
7	Total	\$ 1,230,843		\$ (478,304)		\$ 878,381	\$ 1,630,920

SCHEDULE A-57
Account 265 - Contributions in Aid of Construction

Line No.	Item (a)	Total All Columns (b)	Contamination Proceeds 265-1 to 265-6		Other 265-7	
			Depreciable (e)	Non-Depreciable (f)	Depreciable (c)	Non-Depreciable (d)
1	Balance beginning of year	\$ 60,807,050			60,571,787	235,263
2	Add: Credits to account during year					
3	Contributions received during year	\$ 7,349,926			7,349,926	
4	Other credits	\$ -				
5	Total credits	\$ 7,349,926	\$ -	\$ -	\$ 7,349,926	\$ -
6	Deduct: Debits to account during year					
7	Depreciation charges for year	\$ (1,933,574)			(1,933,574)	
8	Nondepreciable donated property retired	\$ -				
9	Other debits	\$ (403,528)			(403,528)	
10	Total debits	\$ (2,337,102)	\$ -	\$ -	\$ (2,337,102)	\$ -
11	Balance end of year	\$ 65,819,874	\$ -	\$ -	\$ 65,584,611	\$ 235,263

SCHEDULE A-58			
Account 266 - Accumulated Deferred Income Taxes - Accelerated Tax Depreciation			
Line No.	Description of Items (a)	Balance Beginning of Year (b)	Balance End of Year (c)
1			
2			
3			
4			
5	Total	\$ -	\$ -

SCHEDULE A-59			
Account 267 - Accumulated Deferred Income Taxes - Other			
Line No.	Description of Items (a)	Balance Beginning of Year (b)	Balance End of Year (c)
1	Accumulated Def FIT	114,014,423	61,834,214
2	Accumulated Def SIT	26,338,222	20,704,645
3			
4			
5	Total	\$ 140,352,645	\$ 82,538,859

SCHEDULE A-60			
Account 268 - Accumulated Deferred Investment Tax Credits			
Line No.	Description of Items (a)	Balance Beginning of Year (b)	Balance End of Year (c)
1	Unamortized ITC 10%	374,066	320,798
2	Unamortized ITC 6%	67,353	38,829
3			
4			
5	Total	\$ 441,419	\$ 359,627

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 (Parenthesis) (d)
1		I. WATER SERVICE REVENUES			
2	601	Metered Sales to General Customers			
3		601-1.1 Residential Sales	113,996,571	94,825,335	\$ 19,171,236
4		601-1.2 Residential Low Income Discount (Debit)	-	-	\$ -
5		601-2 Commercial Sales	57,048,711	48,570,050	\$ 8,478,661
6		601-3 Industrial Sales	4,458,708	4,263,178	\$ 195,530
7		601-4 Sales to Public Authorities	14,275,195	13,183,007	\$ 1,092,188
8		Sub-total	\$ 189,779,185	\$ 160,841,570	\$ 28,937,615
9	602	Unmetered Sales to General Customers			
10		602-1.1 Residential Sales	(39)	(83)	\$ 44
11		602-1.2 Residential Low Income Discount (Debit)	-	-	\$ -
12		602-2 Commercial Sales	-	-	\$ -
13		602-3 Industrial Sales	-	-	\$ -
14		602-4 Sales to Public Authorities	-	-	\$ -
15		Sub-total	\$ (39)	\$ (83)	\$ 44
16	603	Sales to Irrigation Customers			
17		603.1 Metered sales	-	-	\$ -
18		603.2 Flat Rate Sales	-	-	\$ -
19		Sub-total	\$ -	\$ -	\$ -
20	604	Private Fire Protection Service	3,135,490	2,845,962	\$ 289,528
21	605	Public Fire Protection Service	-	-	\$ -
22	606	Sales to Other Water Utilities for Resale	-	3,339	\$ (3,339)
23	607	Sales to Governmental Agencies by Contracts	-	-	\$ -
24	608	Interdepartmental Sales	-	-	\$ -
25	609	Other Sales or Service	875,287	850,989	\$ 24,298
26		Sub-total	\$ 4,010,777	\$ 3,700,290	\$ 310,486
27		Total Water Service Revenues	\$ 193,789,923	\$ 164,541,778	\$ 29,248,145
28		II. OTHER WATER REVENUES			
29	610	Customer Surcharges	-	-	\$ -
30	611	Miscellaneous Service Revenues	1,961,553	2,222,904	\$ (261,351)
31	612	Rent from Water Property	60,136	107,370	\$ (47,234)
32	613	Interdepartmental Rents	-	-	\$ -
33	614	Other Water Revenues	23,013,779	42,217,228	\$ (19,203,449)
34	615	Recycled Water Revenues	-	-	\$ -
35		Total Other Water Revenues	\$ 25,035,468	\$ 44,547,502	\$ (19,512,034)
36	501	Total operating revenues	\$ 218,825,391	\$ 209,089,280	\$ 9,736,111

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

Line No.	Location (a)	Operating Revenues (b)
31	Operations not within incorporated cities ¹	
32	Los Angeles County	
33	Orange County	
34		
35	Operations within incorporated territory	
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	Total	\$ -

¹ 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 (Parenthesis) (d)
			A	B	C			
1		I. SOURCE OF SUPPLY EXPENSE						
2		Operation						
3	701	Operation supervision and engineering	A	B		-	-	\$ -
4	701	Operation supervision, labor and expenses			C	-	-	\$ -
5	702	Operation labor and expenses	A	B		277,796	297,805	\$ (20,009)
6	703	Miscellaneous expenses	A			1,094,818	1,350,992	\$ (256,174)
7	704	Purchased water	A	B	C	47,400,291	40,792,841	\$ 6,607,450
8		Maintenance						
9	706	Maintenance supervision and engineering	A	B		3,403	262	\$ 3,141
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			30,922	31,232	\$ (310)
13	708	Maintenance of source of supply facilities		B		-	-	\$ -
14	709	Maintenance of lake, river and other intakes	A			-	-	\$ -
15	710	Maintenance of springs and tunnels	A			-	-	\$ -
16	711	Maintenance of wells	A			2,223	4,585	\$ (2,362)
17	712	Maintenance of supply mains	A			-	-	\$ -
18	713	Maintenance of other source of supply plant	A	B		523,776	828,148	\$ (304,372)
19		Total source of supply expense				\$ 49,333,229	\$ 43,305,865	\$ 6,027,364
20		II. PUMPING EXPENSES						
21		Operation						
22	721	Operation supervision and engineering	A	B		73,415	43,974	\$ 29,441
23	721	Operation supervision labor and expense			C	-	-	\$ -
24	722	Power production labor and expenses	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		1,280,542	1,270,506	\$ 10,036
28	725	Miscellaneous expenses	A			416,666	81,003	\$ 335,663
29	726	Fuel or power purchased for pumping	A	B	C	6,113,810	5,591,781	\$ 522,029
30		Maintenance						
31	729	Maintenance supervision and engineering	A	B		74,484	78,278	\$ (3,794)
32	729	Maintenance of structures and equipment			C	-	-	\$ -
33	730	Maintenance of structures and improvements	A	B		770	2,645	\$ (1,875)
34	731	Maintenance of power production equipment	A	B		92,614	92,669	\$ (55)
35	732	Maintenance of power pumping equipment	A	B		-	-	\$ -
36	733	Maintenance of other pumping plant	A	B		232,319	251,102	\$ (18,783)
37		Total pumping expenses				\$ 8,284,620	\$ 7,411,959	\$ 872,661

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 (Parenthesis) (d)
			A	B	C			
38		III. WATER TREATMENT EXPENSES						
39		Operation						
40	741	Operation supervision and engineering	A	B		9,420	10,430	\$ (1,010)
41	741	Operation supervision, labor and expenses			C	-	-	\$ -
42	742	Operation labor and expenses	A			1,680,731	1,572,913	\$ 107,818
43	743	Miscellaneous expenses	A	B		1,786,050	1,466,076	\$ 319,974
44	744	Chemicals and filtering materials	A	B		801,840	665,853	\$ 135,987
45		Maintenance						
46	746	Maintenance supervision and engineering	A	B		73,978	81,704	\$ (7,726)
47	746	Maintenance of structures and equipment			C	-	-	\$ -
48	747	Maintenance of structures and improvements	A	B		114	-	\$ 114
49	748	Maintenance of water treatment equipment	A	B		583,798	585,847	\$ (2,049)
50		Total water treatment expenses				\$ 4,935,931	\$ 4,382,823	\$ 553,108
51		IV. TRANS. AND DIST. EXPENSES						
52		Operation						
53	751	Operation supervision and engineering	A	B		1,184,743	1,115,573	\$ 69,170
54	751	Operation supervision, labor and expenses			C	-	-	\$ -
55	752	Storage facilities expenses	A			49,576	64,154	\$ (14,578)
56	752	Operation labor and expenses		B		-	-	\$ -
57	753	Transmission and distribution lines expenses	A			5,010	1,280	\$ 3,730
58	754	Meter expenses	A			159,857	87,178	\$ 72,679
59	755	Customer installations expenses	A			80,008	97,142	\$ (17,134)
60	756	Miscellaneous expenses	A			2,067,181	1,752,560	\$ 314,621
61		Maintenance						
62	758	Maintenance supervision and engineering	A	B		26,189	23,712	\$ 2,477
63	758	Maintenance of structures and plant			C	-	-	\$ -
64	759	Maintenance of structures and improvements	A	B		41	256	\$ (215)
65	760	Maintenance of reservoirs and tanks	A	B		58,690	51,493	\$ 7,197
66	761	Maintenance of trans. and distribution mains	A			1,186,004	1,078,609	\$ 107,395
67	761	Maintenance of mains		B		-	-	\$ -
68	762	Maintenance of fire mains	A			-	-	\$ -
69	763	Maintenance of services	A			1,091,371	1,134,798	\$ (43,427)
70	763	Maintenance of other trans. and distribution plant		B		-	-	\$ -
71	764	Maintenance of meters	A			53,785	49,328	\$ 4,457
72	765	Maintenance of hydrants	A			66,777	59,968	\$ 6,809
73	766	Maintenance of miscellaneous plant	A			3,429,930	3,047,780	\$ 382,150
74		Total transmission and distribution expenses				\$ 9,459,162	\$ 8,563,832	\$ 895,330

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 (Parenthesis) (d)
			A	B	C			
75		V. CUSTOMER ACCOUNT EXPENSES						
76		Operation						
77	771	Supervision	A	B		24,663	9,866	\$ 14,797
78	771	Superv., meter read., other customer acct expenses			C	-	-	\$ -
79	772	Meter reading expenses	A	B		1,237,567	1,316,960	\$ (79,393)
80	773	Customer records and collection expenses	A			928,700	826,631	\$ 102,069
81	773	Customer records and accounts expenses		B		-	-	\$ -
82	774	Miscellaneous customer accounts expenses	A			48,345	31,996	\$ 16,349
83	775	Uncollectible accounts	A	B	C	-	-	\$ -
84		Total customer account expenses				\$ 2,239,275	\$ 2,185,453	\$ 53,822
85		VI. SALES EXPENSES						
86		Operation						
87	781	Supervision	A	B		-	-	\$ -
88	781	Sales expenses			C	-	-	\$ -
89	782	Demonstrating selling expenses	A			-	-	\$ -
90	783	Advertising expenses	A			-	-	\$ -
91	784	Miscellaneous, jobbing and contract work	A			-	-	\$ -
92	785	Merchandising, jobbing and contract work	A			-	-	\$ -
93		Total sales expenses				\$ -	\$ -	\$ -
94		VII. RECYCLED WATER EXPENSES						
95		Operation and Maintenance						
96	786	Recycled water operation and maint. expenses				-	-	\$ -
97		Total recycled water expenses				\$ -	\$ -	\$ -
98		VIII. ADMIN. AND GENERAL EXPENSES						
99		Operation						
100	791	Administrative and general salaries	A	B	C	5,607,512	5,271,952	\$ 335,560
101	792	Office supplies and other expenses	A	B	C	108,044	93,352	\$ 14,692
102	793	Property insurance	A			4,470	19,400	\$ (14,930)
103	793	Property insurance, injuries and damages		B	C	-	-	\$ -
104	794	Injuries and damages	A			(207,782)	1,822,290	\$ (2,030,072)
105	795	Employees' pensions and benefits	A	B	C	4,293,320	4,134,691	\$ 158,629
106	796	Franchise requirements	A	B	C	-	-	\$ -
107	797	Regulatory commission expenses	A	B	C	233,685	260,342	\$ (26,657)
108	798	Outside services employed	A			568,146	1,198,078	\$ (629,932)
109	798	Miscellaneous other general expenses		B		-	-	\$ -
110	798	Miscellaneous other general operation expenses			C	-	-	\$ -
111	799	Miscellaneous general expenses	A			10,028,441	6,793,271	\$ 3,235,170
112		Maintenance						
113	805	Maintenance of general plant	A	B	C	226,653	159,815	\$ 66,838
114		Total administrative and general expenses				\$ 20,862,489	\$ 19,753,190	\$ 1,109,299
115		XI. MISCELLANEOUS						
116	810	Customer surcredits				-	-	\$ -
117	811	Rents	A	B	C	1,147,838	1,180,958	\$ (33,120)
118	812	Administrative expenses transferred - Cr. ¹	A	B	C	28,910,032	28,964,143	\$ (54,111)
119	813	Duplicate charges - Cr. CA-AM Corp Allocated Return on Rate Base ¹	A	B	C	3,141,470	2,714,386	\$ 427,084
120		Total miscellaneous				\$ 33,199,340	\$ 32,859,486	\$ 339,853
121		Total operating expenses				\$ 128,314,046	\$ 118,462,608	\$ 9,851,438

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

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

Line No.	Description (a)	Amount
1	None	
2		
3		
4		
5		
6		
7		
8	Total	\$ -

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 39.
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.	Kind of Tax (a)	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	Federal corporate income taxes	\$ 9,633,458	9,596,649		36,809	
2	California corporate franchise taxes	\$ -				
3	Property taxes	\$ 4,723,691	4,723,466		225	
4	Other taxes	\$ -				
5	State income taxes	\$ 3,691,609	3,679,204		12,405	
6	Other state and local taxes	\$ 277,479	192,735		84,744	
7	State unemployment taxes	\$ 112,262	75,841			36,421
8	Federal unemployment insurance	\$ 13,311	10,177			3,134
9	Fed. Ins. Contr. Act. (old age retire)	\$ 2,007,152	1,479,138			528,014
10	Licenses	\$ 134,208	134,208			
11	Federal deferred and ITC	\$ 6,698,714	6,698,714			
12	State deferred	\$ 1,280,832	1,280,832			
13		\$ -				
14	Total	\$ 28,572,716	\$ 27,870,964	\$ -	\$ 134,183	\$ 567,569

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	29,970,355
2	Reconciling amounts (list first additional income and unallowable deductions, followed by additional	
3	deductions for non-taxable income):	
4		
5		
6	Federal Tax Return not yet Completed - See Addendum Reference Schedule B-5	
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	\$ 29,970,355
31	Computation of tax:	
32	Calculated Tax	
33		
34		
35	Tax per return	

California - American Water Company
 Schedule Attached to and Made as Part of
 Annual Report to the Public Utilities Commission State of California
 Schedule B-5
 Reconciliation of Reported Net Income With Taxable Income for Federal Taxes

Form 7004 (Rev. December 2017) Department of the Treasury Internal Revenue Service	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. ▶ Go to www.irs.gov/Form7004 for instructions and the latest information.
Print or Type	Name <u>American Water Works Company, Inc & Subs</u>	Identifying number <u>51-0063696</u>
	Number, street, and room or suite no. (If P.O. box, see instructions.) <u>PO Box 5600 ATTN: Income Tax</u>	
	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)). <u>Cherry Hill, NJ 08034</u>	

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

Part I Automatic Extension for Certain Business Income Tax, Information, and Other Returns. See instructions.

1 Enter the form code for the return listed below that this application is for 1 2

Application Is For:	Form Code	Application Is For:	Form Code
Form 706-GS(D)	01	Form 1120-ND	19
Form 706-GS(T)	02	Form 1120-ND (section 4951 taxes)	20
Form 1041 (bankruptcy estate only)	03	Form 1120-PC	21
Form 1041 (estate other than a bankruptcy estate)	04	Form 1120-POL	22
Form 1041 (trust)	05	Form 1120-REIT	23
Form 1041-N	06	Form 1120-RIC	24
Form 1041-QFT	07	Form 1120S	25
Form 1042	08	Form 1120-SF	26
Form 1065	09	Form 3520-A	27
Form 1065-B	10	Form 8612	28
Form 1066	11	Form 8613	29
Form 1120	12	Form 8725	30
Form 1120-C	34	Form 8804	31
Form 1120-F	15	Form 8831	32
Form 1120-FSC	16	Form 8876	33
Form 1120-H	17	Form 8924	35
Form 1120-L	18	Form 8928	36

Part II All Filers Must Complete This Part

- 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. See Statement 1
- 4 If the organization is a corporation or partnership that qualifies under Regulations section 1.6081-5, check here . . .
- 5a The application is for calendar year 20 __, or tax year beginning 01/01, 20 17, and ending 12/31, 20 17
- 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. 12-2017)

California - American Water Company
Schedule Attached to and Made as Part of
Annual Report to the Public Utilities Commission State of California
Schedule B-5
Reconciliation of Reported Net Income With Taxable Income for Federal Taxes
COMPANIES TO BE INCLUDED IN THE CONSOLIDATED FEDERAL INCOME TAX RETURN
OF AMERICAN WATER WORKS COMPANY, INC. AND AFFILIATED SUBSIDIARIES

YEAR - 01/01/17-12/31/17

<u>COMPANY</u>	Employer Identification Number
AAET Inc	22-3259128
American Lake Water Company	06-1396121
American Water (USA) Inc	98-0165920
American Water Capital Corp	22-3732448
American Water Enterprises Holding, Inc	76-0605357
American Water Enterprises Inc	22-3169459
American Water Operations and Maintenance Inc	98-0165919
American Water Resources Holdings Inc	27-5107201
American Water Resources of Florida Inc	45-5262240
American Water Resources of Texas Inc	27-5107457
American Water Services CDM Inc	91-1745331
American Water Works Co Inc	51-0063696
American Water Works Service Co Inc	23-1340234
AW Technologies Inc	45-3808303
AWI Inc	47-4426070
Bluefield Valley Water Works Company	66-6022466
California-American Water Company	51-0104148
Cocoa Properties I LLC	27-4218421
Edison Water Company	22-3519296
EMC of St. Charles County LLC	32-0202554
Environmental Disposal Corporation	22-2391983
Environmental Management Corporation	43-1205270
E'town Properties Inc	22-2817018
E'Town Services LLC	42-1533685
Hawaii-American Water Company	99-0108667
Illinois-American Water Company	51-0105894
Indiana-American Water Company	35-0936102
Iowa-American Water Company	42-0735216
Kentucky-American Water Company	61-0485002
Keystone Clearwater Solutions LLC	26-2597715
Laurel Oak Properties Corp	20-1022964
Liberty Water Company	22-3596293
Maryland-American Water Company	52-0265025
Michigan-American Water Company	38-1657784
Missouri-American Water Company	44-0578460
Mt. Ebo Sewage Works Inc	13-3223856
New Jersey-American Water Company	22-1546642
New York-American Water Company	11-1516966
Pennsylvania-American Water Company	25-1008096
SWC Acquisition Company	81-3366842
Tennessee-American Water Company	62-0529095
Thames Water North America Inc	06-1548192
Virginia-American Water Company	54-0119650
West Virginia-American Water Company	55-0307487
Whitlock Farms	11-2425210

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

SCHEDULE B-6
Account 508 - Income from Utility Plant Leased to Others

Line No.	Acct.	Description of Items (a)	Amount (b)
1	508-1	Revenues from Plant Leased to Others None	
2	508-2	Expenses of Plant Leased to Others None	
3			
4			
5		Total	\$ -

SCHEDULE B-7
Account 510 - Rent for Lease of Utility Plant

Line No.	Description of Items (a)	Amount (b)
1	None	
2		
3		
4		
5	Total	\$ -

SCHEDULE B-8
Account 521 - Income from Nonutility Operations

Line No.	Description (a)	Revenue (b)	Expenses (c)	Net Income (d)
1	Income from Nonutility Operations	106,703		\$ 106,703
2				\$ -
3				\$ -
4				\$ -
5	Totals	\$ 106,703	\$ -	\$ 106,703

SCHEDULE B-9		
Account 522 - Revenues from Lease of Other Physical Property		
Line No.	Description of Items (a)	Amount (b)
1	Various Revenue	140,318
2		
3		
4		
5	Total	\$ 140,318

SCHEDULE B-10		
Account 523 - Dividend Revenues		
Line No.	Description of Items (a)	Amount (b)
1	None	
2		
3		
4		
5	Total	\$ -

SCHEDULE B-11		
Account 524 - Interest Revenues		
Line No.	Description of Items (a)	Amount (b)
1	Interest Income	1,220,128
2	AFUDC - Debt	2,001,291
3		
4		
5	Total	\$ 3,221,419

SCHEDULE B-12		
Account 525 - Revenues from Sinking and Other Funds		
Line No.	Description of Items (a)	Amount (b)
1	None	
2		
3		
4		
5	Total	\$ -

SCHEDULE B-13
Account 526 - Miscellaneous Nonoperating Revenues

Line No.	Description (a)	Amount (b)
1	M & J Revenues	146,232
2	AFUDC - Equity	5,913,800
3		
4		
5		
6		
7		
8	Total	\$ 6,060,032

SCHEDULE B-14
Account 527 - Nonoperating Revenue Deductions

Line No.	Description (a)	Amount (b)
1	M & J Expenses	609,627
2		
3		
4		
5	Total	\$ 609,627

SCHEDULE B-15
Account 530 - Interest on Long-Term Debt

Line No.	Description of Items (a)	Amount (b)
1	Interest on Outside Debt	3,595,076
2	Interest on Inside Debt	12,886,375
3	Amortization of Discount on Debt	24,026
4		
5	Total	\$ 16,505,477

SCHEDULE B-16
Account 531 - Amortization of Debt Discount and Expense

Line No.	Description of Items (a)	Amount (b)
1	Amortization of Debt Discount & Expense	169,866
2	Amortization of Revolving Credit Line Fees	65,246
3		
4		
5	Total	\$ 235,112

SCHEDULE B-17
Account 532 - Amortization of Premium on Debt - Cr.

Line No.	Description of Items (a)	Amount (b)
1	None	
2		
3		
4		
5	Total	\$ -

SCHEDULE B-18
Account 533 - Taxes Assumed on Interest

Line No.	Description of Items (a)	Amount (b)
1	None	
2		
3		
4		
5	Total	\$ -

SCHEDULE B-19
Account 534 - Interest on Debt to Affiliated Companies

Line No.	Description of Items (a)	Amount (b)
1	None	
2		
3		
4		
5	Total	\$ -

SCHEDULE B-20
Account 535 - Other Interest Charges

Line No.	Description (a)	Amount (b)
1	Various Interest Charges	755,251
2		
3		
4		
5	Total	\$ 755,251

SCHEDULE B-21 Account 536 - Interest Charged to Construction - Cr.		
Line No.	Description of Items (a)	Amount (b)
1	None	
2		
3		
4		
5	Total	\$ -

SCHEDULE B-22 Account 537 - Miscellaneous Amortization		
Line No.	Description of Items (a)	Amount (b)
1	None	
2		
3		
4		
5	Total	\$ -

SCHEDULE B-23 Account 538 - Miscellaneous Income Deductions		
Line No.	Description (a)	Amount (b)
1	Various Miscellaneous Income Deductions	548,181
2		
3		
4		
5	Total	\$ 548,181

SCHEDULE B-24 Account 540 - Miscellaneous Reservations of Net Income		
Line No.	Description of Items (a)	Amount (b)
1	None	
2		
3		
4		
5	Total	\$ -

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? Answer: Yes <u> X </u> No <u> </u>	
2	Name of each organization or person that was a party to such a contract or agreement American Water Works Service Company	
3	Date of original contract or agreement.	<u>January 1, 1971</u>
4	Date of each supplement or agreement.	<u>September 1, 1989</u>
	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:	<u>Not Applicable</u>
6	To whom paid:	<u>Not Applicable</u>
7	Nature of payment (salary, traveling expenses, etc.):	<u>Not Applicable</u>
8	Amounts paid for each class of service:	\$ <u>Not Applicable</u>
9	Base for determination of such amounts	<u>Not Applicable</u>
10	Distribution of payments:	
	(a) Charged to operating expenses	\$ <u>11,436,567</u>
	(b) Charged to capital accounts	\$ <u>2,994,795</u>
	(c) Charged to other accounts	\$ <u> </u>
	Total	\$ <u><u>14,431,362</u></u>
11	Distribution of charges to operating expenses by primary accounts.	
	Number and Title of Account	
	<u>Account 798 Outside Services</u>	<u>11,436,567</u>
	Total	<u>\$11,436,567</u>
12	What relationship, if any, exists between respondent and supervisory and/or managing concerns? American Water Service Company provides operational functions for all American Water Works subsidiaries, including California-American Water	

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		315,390
2	Employees - Pumping		1,521,534
3	Employees - Water treatment		1,826,991
4	Employees - Transmission and distribution		3,660,632
5	Employees - Customer account		2,220,925
6	Employees - Sales		
7	Employees - Administrative		12,182,853
8	General officers		
9	General office		
10	Total	-	\$ 21,728,325

SCHEDULE C-4

Record of Accidents During Year

Line No.	Date of Accident (a)	TO PERSONS					TO PROPERTY			
		Employees on Duty		Public ¹		Total Number (f)	Company		Other	
		Killed (b)	Injured (c)	Killed (d)	Injured (e)		Number (g)	Amount (h)	Number (i)	Amount (j)
1	2017		5			5			119	779,091
2						-				
3						-				
4	Total	-	5	-	-	5	-	\$ -	119	\$ 779,091

¹ 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	27,818
2		
3		
4		
5		
6	Total	\$ 27,818

**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	Total	\$ -

**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	Richard Svindland	84,481
2	Jeffrey Dana	48,685
3	Garry Hofer	50,788
4	Ian Crooks	60,051
5	Kimberly Castillo	23,077
6	Sarah Leeper	63,376
7	Anthony Cerasuolo	63,396
8	Jeffrey Linam	63,368
9	Thomas Brunet	41,749
10	Lori Girard	41,501
11	Kathryn Horning	55,443
12		
13	Total	\$ 595,915

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

STREAMS				FLOW IN(unit) ²				Annual Quantities Diverted(Unit) ²	Remarks
Line No.	Diverted into*	From Stream or Creek (Name)	Location of Diversion Point	Priority Right		Diversions			
				Claim	Capacity	Max.	Min.		
1									
2	See Addendum of District Reports - Reference Schedule D-1 by District								
3									
4									
5									

WELLS							Annual Quantities Pumped(Unit) ²	Remarks	
Line No.	At Plant (Name or Number)	Location	Number	Dimensions	¹ Depth to Water	Pumping Capacity(Unit) ²			
6									
7	See Addendum of District Reports - Reference Schedule D-1 by District								
8									
9									
10									

TUNNELS AND SPRINGS				FLOW IN(Unit) ²		Annual Quantities Used(Unit) ²	Remarks
Line No.	Designation	Location	Number	Maximum	Minimum		
11							
12							
13	See Addendum of District Reports - Reference Schedule D-1 by District						
14							
15							

Purchased Water for Resale			
16	Purchased from See Addendum of District Reports - Reference Schedule D-1 by District		
17	Annual quantities purchased	9,966,255 (Unit chosen) ²	1,000 gallons
18			
19			

* State ditch, pipe line, reservoir, etc., with name, if any.
¹ Average depth to water surface below ground surface.
² 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	-	-	
3	Earth	1	578,222,600	Gallons
4	Wood	-	-	
5	B. Distribution reservoirs			
6	Concrete	24	43,330,000	Gallons
7	Earth	3	3,440,500	Gallons
8	Wood	-	-	
9	C. Tanks			
10	Wood (monterey ploy plastic)	2	20,000	Gallons
11	Metal	139	73,004,520	Gallons
12	Concrete	13	2,631,350	Gallons
13	Total	182	700,648,970	

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) **Not Applicable**

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 - Continued
Capacities in Cubic Feet Per Second or Miner's Inches (State Which) **Not Applicable**

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	-
7	Flume	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	-
9									
10	Total	-	-	-	-	-	-	-	-

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

Line No.		1	1 1/2	2	2 1/2	3	4	5	6	8
11	Cast Iron	187	188	19,772	176	6,534	254,925	-	411,838	151,226
12	Cast Iron (cement lined)	178	-	26,668	-	103	170,554	-	270,356	93,171
13	Concrete	-	-	77	-	-	-	-	288	206
14	Copper	2,142	1,790	2,122	-	-	-	-	723	-
15	Riveted steel	1,110	102	8,902	2,263	1,940	178,964	156	247,883	201,583
16	Standard screw	-	-	-	-	-	-	-	-	-
17	Screw or welded casing	-	-	-	-	-	-	-	-	-
18	Cement - asbestos	399	-	8,330	-	2,104	247,591	2,137	1,770,614	1,769,882
19	Welded steel	-	-	31	-	-	151	-	190	3,560
20	Wood	-	-	-	-	-	23	-	49	-
21	Other - Galvanized	1,490	970	37,080	1,666	144	221	-	2,214	2,740
22	Other - PVC	2,996	3,382	25,078	8,511	3,452	36,195	-	343,349	1,572,025
23	Other - Ductile Iron	522	-	2,660	24	-	2,498	-	11,999	50,331
24	Other - PE	-	-	1,089	-	-	839	-	-	273
25	Other - Brass	-	-	258	9	-	-	-	15	-
26	Other - Unknown	4,108	3,696	25,297	-	1,777	62,238	1,321	88,290	137,978
27	Total	13,132	10,128	157,364	12,649	16,054	954,199	3,614	3,147,808	3,982,975

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

Line No.		10	12	14	16	18	20	Other Sizes (Specify Sizes)			Total All Sizes
								22-24	30-36	unknown	
28	Cast Iron	31,298	76,448	1,261	19,165	-	993	-	-	-	974,011
29	Cast Iron (cement lined)	1,008	43,904	-	50,435	139	-	1,205	-	-	657,721
30	Concrete	-	-	-	1,801	-	-	-	-	-	2,372
31	Copper	-	-	-	-	-	-	-	-	-	6,777
32	Riveted steel	69,223	160,636	25,286	28,847	30,133	28,843	19,567	53,972	56	1,059,466
33	Standard screw	-	-	-	-	-	-	-	-	-	-
34	Screw or welded casing	-	-	-	-	-	-	-	-	-	-
35	Cement - asbestos	599,597	309,029	25,250	71,947	4,555	7,373	4,761	1,660	864	4,826,093
36	Welded steel	-	-	-	-	-	-	-	-	-	3,932
37	Wood	-	-	-	-	-	-	-	-	-	72
38	Other - Galvanized	37	635	-	12,488	-	-	-	-	-	59,685
39	Other - PVC	157,016	434,746	140	58,950	668	10,637	3,868	-	1,620	2,662,633
40	Other - Ductile Iron	13,763	78,570	281	89,968	6,475	62,955	49,283	48,773	-	418,102
41	Other - PE	-	-	-	-	-	-	-	-	-	2,201
42	Other - Brass	-	-	-	-	-	-	-	-	-	282
43	Other - Unknown	18,958	25,910	195	4,554	125	725	2,708	3,678	30,125	411,683
44	Total	890,900	1,129,878	52,413	338,155	42,095	111,526	81,392	108,083	32,665	11,085,030

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	151,898	153,628	178	176
Commercial	15,877	16,007	13	13
Industrial	232	242	-	-
Public authorities	1,699	1,651	-	-
Irrigation	34	21	-	-
Other (Misc., Co. Acct., Resale, Golf Course)	133	133	-	-
Agriculture				
Subtotal	169,873	171,682	191	189
Private fire connections	-	-	3,087	3,075
Public fire hydrants	-	-	14,778	14,924
Total	169,873	171,682	18,056	18,188

SCHEDULE D-5		
Number of Meters and Services on Pipe Systems at End of Year		
Size	Meters	Active Service Connections
5/8 x 3/4 - in	143,037	-
3/4 - in	924	89,725
1 - in	21,742	72,045
1 1/2 - in	3,993	3,235
2 - in	5,547	8,568
3 - in	273	211
4 - in	236	975
6 - in	87	460
8 - in	35	135
10 - in	2	2
12 - in	-	3
Other	11	2,577
Total	175,887	177,936

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 . . .	-
2. Used, before repair	429
3. Used, after repair	8
4. Found fast, requiring billing adjustment	-
B. Number of Meters in Service Since Last Test	
1. Ten years or less	138,301
2. More than 10, but less than 15 years	23,049
3. More than 15 years	15,063

SCHEDULE D-7

Water delivered to Metered Customers by Months and Years in 1,000 Gallons (Unit Chosen)¹

Classification of Service	During Current Year							
	January	February	March	April	May	June	July	Subtotal
Residential	824,004	761,849	792,598	970,696	1,238,880	1,554,845	1,702,018	7,844,889
Commercial	343,895	342,889	344,103	396,540	501,908	607,306	666,453	3,203,095
Industrial	39,580	44,594	49,440	50,613	55,002	61,361	64,798	365,388
Public authorities	35,171	26,208	36,656	73,863	127,860	197,604	210,731	708,092
Irrigation	-	-	-	-	-	-	-	-
Other (Fire, Misc., Resale, Co. Accts.)	12,903	11,254	(27,897)	7,987	45,370	(3,474)	31,457	77,600
Other (Monterey & Larkfield - See District Report)	70,880	68,046	65,617	80,056	82,207	113,983	120,441	601,230
Total	1,326,432	1,254,839	1,260,518	1,579,755	2,051,228	2,531,624	2,795,897	12,800,294

Classification of Service	During Current Year							Total Prior Year
	August	September	October	November	December	Subtotal	Total	
Residential	1,714,002	1,702,741	1,430,728	1,288,963	1,145,469	7,281,904	15,126,793	15,305,269
Commercial	699,219	692,498	585,173	514,874	450,860	2,942,625	6,145,720	5,792,084
Industrial	66,408	66,669	57,340	56,518	54,992	301,928	667,316	676,121
Public authorities	254,171	242,710	163,118	130,047	82,953	872,999	1,581,091	1,511,415
Irrigation	-	-	-	-	-	-	-	-
Other (Fire, Misc., Resale, Co. Accts.)	35,600	6,479	24,272	12,327	20,456	99,134	176,734	59,965
Other (Monterey & Larkfield- See District Report)	127,059	124,156	108,545	98,103	121,964	579,828	1,181,057	137,366
Total	2,896,459	2,835,254	2,369,177	2,100,832	1,876,695	12,078,417	24,878,711	23,482,220

¹ 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 _____ 541,038

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

See Addendum of District Reports Reference Schedule D-8 by District and Attachments in the pdf filing of the CA-AM Consolidated Water Report

1. Has the State or Local Health Department reviewed the sanitary condition of your water system during the past year?
Answer: Yes _____ No _____

2. Are you having routine laboratory tests made of water served to your consumers?
Answer: Yes _____ No _____

3. Do you have a permit from the State Board of Public Health for operation of your water system?
Answer: Yes _____ No _____

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?
Answer: Yes _____ No _____

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.

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.

The Vanguard Group ("Vanguard") is a self described investment adviser that acquired 10.06% of the common stock of American Water Works Company, Inc., California American Water Company's ("California American Water") parent company, on May 10, 2017. California American Water notified the Commission of this event on May 12, 2017 and filed advice letter 1169-A on August 29, 2017. Vanguard did not acquire American Water stock for the purpose of changing or influencing control of American Water. California American Water received a limited and conditional exemption from the affiliate transaction rules in connection with Vanguard's ownership of the shares.

California - American Water Company
Schedule Attached to and Made as Part of
Annual Report to the Public Utilities Commission State of California

SCHEDULE D-8 Addendum
San Diego District
Status With State Board of Public Health San Diego District

1. Has the State or Local Health Department reviewed the sanitary condition of your water system during the past year?
Answer: Yes _____ No X Done in 2016, done every three (3) years

2. Are you having routine laboratory tests made of water served to your consumers?
Answer: Yes X No _____

3. Do you have a permit from the State Board of Public Health for operation of your water system?
Answer: Yes X No _____

4. Date of permit: 6/2/1967

5. If permit is "temporary", what is the expiration date? NA

6. If you do not hold a permit, has an application been made for such permit?
Answer: Yes NA No NA

7. If so, on what date? NA

California - American Water Company
 Schedule Attached to and Made as Part of
 Annual Report to the Public Utilities Commission State of California

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

1.	Has the State or Local Health Department reviewed the sanitary condition of your water system during the past year? Answer: Yes _____ No <u> X </u> 1/31/2012
2.	Are you having routine laboratory tests made of water served to your consumers? Answer: Yes <u> X </u> No _____
3.	Do you have a permit from the State Board of Public Health for operation of your water system? Answer: Yes <u> X </u> No _____
4.	Date of permit: <u>Original permit 12/20/02; Amendment 1 on 3/10/06; Amendment 2 on 5/26/06</u>
5.	If permit is "temporary", what is the expiration date? _____ <u>NA</u>
6.	If you do not hold a permit, has an application been made for such permit? Answer: Yes <u>NA</u> No <u>NA</u>
7.	If so, on what date? _____ <u>NA</u>

California - American Water Company
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SCHEDULE D-8 Addendum
Los Angeles
Status With State Board of Public Health Los Angeles District

1. Has the State or Local Health Department reviewed the sanitary condition of your water system during the past year?

Answer: Yes X No X

2. Are you having routine laboratory tests made of water served to your consumers?

Answer: Yes X No _____

3. Do you have a permit from the State Board of Public Health for operation of your water system?

Answer: Yes X No _____

4. Date of permit: _____

<u>System</u>	<u>Permit Number</u>	<u>Date</u>
Baldwin Hills	04-07-95P-012	11/1/1994
Duarte	04-15-01P-014	12/1/2001
San Marino	04-07-02P-004	7/1/2002

5. If permit is "temporary", what is the expiration date? NA

6. If you do not hold a permit, has an application been made for such permit?

Answer: Yes NA No NA

7. If so, on what date? NA

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SCHEDULE D-8 Addendum
Monterey
Status With State Board of Public Health

1. Has the State or Local Health Department reviewed the sanitary condition of your water system during the past year?

Answer:		Date
Monterey Main System	Yes _____	No <u> X </u> (4/30/14)
Ryan Ranch System	Yes <u> X </u>	No _____ (10/30/17)
Bishop System	Yes <u> X </u>	No _____ (9/29/17)
Hidden Hills System	Yes <u> X </u>	No _____ (9/29/17)
Toro System	Yes _____	No <u> X </u> (8/29/2016)
Ambler System	Yes _____	No <u> X </u> (8/30/2016)
Ralph Lane System	Yes <u> X </u>	No _____ (8/17/17)
Chualar System	Yes _____	No <u> X </u> (10/28/15)
Garrapata System	Yes _____	No <u> X </u> (10/24/2016)

2. Are you having routine laboratory tests made of water served to your consumers?

Answer:		
Monterey Main System	Yes <u> X </u>	No _____
Ryan Ranch System	Yes <u> X </u>	No _____
Bishop System	Yes <u> X </u>	No _____
Hidden Hills System	Yes <u> X </u>	No _____
Toro System	Yes <u> X </u>	No _____
Ambler System	Yes <u> X </u>	No _____
Ralph Lane System	Yes <u> X </u>	No _____
Chualar System	Yes <u> X </u>	No _____
Garrapata System	Yes <u> X </u>	No _____

3. Do you have a permit from the State Board of Public Health for operation of your water system?

Answer:		
Monterey Main System	Yes <u> X </u>	No _____
Ryan Ranch System	Yes <u> X </u>	No _____
Bishop System	Yes <u> X </u>	No _____
Hidden Hills System	Yes <u> X </u>	No _____
Toro System	Yes <u> X </u>	No _____
Ambler System	Yes <u> X </u>	No _____
Ralph Lane System	Yes <u> X </u>	No _____
Chualar System	Yes <u> X </u>	No _____
Garrapata System	Yes <u> X </u>	No _____

4. Date of permit:

Monterey Main System	<u> 8/16/2016 </u>
Ryan Ranch System	<u> 5/24/2013 </u>
Bishop System	<u> 2/1/2013 </u>
Hidden Hills System	<u> 11/1/2001 </u>
Toro System	<u> 5/2/2011 </u>
Ambler System	<u> 6/30/2015 </u>
Ralph Lane System	<u> 11/24/2003 </u>
Chualar System	<u> 4/20/2004 </u>
Garrapata System	<u> 12/1/2014 </u>

5. If permit is "temporary", what is the expiration date? NA

6. If you do not hold a permit, has an application been made for such permit?

Answer: Yes NA No NA

7. If so, on what date? NA

California - American Water Company
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SCHEDULE D-8 Addendum
Ventura District
Status With State Board of Public Health Ventura District

1. Has the State or Local Health Department reviewed the sanitary condition of your water system during the past year?
Answer: Yes X No
2. Are you having routine laboratory tests made of water served to your consumers?
Answer: Yes X No
3. Do you have a permit from the State Board of Public Health for operation of your water system?
Answer: Yes X No
4. Date of permit: 10/30/2000
5. If permit is "temporary", what is the expiration date? NA
6. If you do not hold a permit, has an application been made for such permit?
Answer: Yes NA No NA
7. If so, on what date? NA

California - American Water Company
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SCHEDULE D-8 Addendum
Sacramento District
Status With State Board of Public Health Sacramento District

1. Has the State or Local Health Department reviewed the sanitary condition of your water system during the past year?

Answer:

Antelope	Yes _____	No <u> X </u>
Arden	Yes _____	No <u> X </u>
Isleton	Yes _____	No <u> X </u>
Lincoln Oaks	Yes _____	No <u> X </u>
Parkway	Yes <u> X </u>	No _____
Security Park	Yes _____	No <u> X </u>
Surburban/Rosemont	Yes _____	No <u> X </u>
Walnut Grove	Yes _____	No <u> X </u>
West Placer	Yes _____	No <u> X </u>
Dunnigan	Yes _____	No <u> X </u>
Geyserville	Yes <u> X </u>	No _____

2. Are you having routine laboratory tests made of water served to your consumers?

Answer: Yes X No _____

3. Do you have a permit from the State Board of Public Health for operation of your water system?

Answer: Yes X No _____

4. Date of permit:

Antelope	<u> 12/3/2001 </u>
Arden	<u> 2/25/2011 </u>
Isleton	<u> 12/3/2001 </u>
Lincoln Oaks	<u> 12/3/2001 </u>
Parkway	<u> 12/3/2001 </u>
Security Park	<u> 12/3/2001 </u>
Surburban/Rosemont	<u> 10/19/2012 </u>
Walnut Grove	<u> 12/3/2001 </u>
West Placer	<u> 5/13/2003 </u>
Dunnigan	<u> 1/24/2017 </u>
Geyserville	<u> 6/29/2017 </u>

5. If permit is "temporary", what is the expiration date?

 NA

6. If you do not hold a permit, has an application been made for such permit?

Answer: Yes NA No NA

7. If so, on what date?

 NA

California - American Water Company
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SCHEDULE D-8 Addendum
Meadowbrook
Status With State Board of Public Health Meadowbrook District

1. Has the State or Local Health Department reviewed the sanitary condition of your water system during the past year?

Answer: Yes 12/1/2017 No _____

2. Are you having routine laboratory tests made of water served to your consumers?

Answer: Yes Monthly No _____

3. Do you have a permit from the State Board of Public Health for operation of your water system?

Answer: Yes _____ No X _____

4. Date of permit: NA _____

5. If permit is "temporary", what is the expiration date? _____ NA _____

6. If you do not hold a permit, has an application been made for such permit?

Answer: Yes X No _____

7. If so, on what date? 3/14/2017 Approval to operate letter received 3/28/2017

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 (i)
1									\$ -
2	See Addendum Reference Schedule E-1								\$ -
3									\$ -
4									\$ -
5									\$ -
6									\$ -
7									\$ -
8									\$ -

Note 1: For Columns d, e, f, g, & h, provide those amounts booked in the current year.

Note 2: The detail for each individual account includes the Beginning of Year Balance, End of Year Balance, each Offset Expense adjustment during the year, each Offset Revenue adjustment during the year, each Surcharge adjustment during the year, each Surcredit adjustment during the year, and the decision or resolution number associated with each item of detail.

California - American Water Company
Schedule Attached to and Made as Part of
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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 ¹ (i)
1	Affiliate Transaction Rule IV.D.2 Memorandum Account	D.10-10-019	11,114		54,357	8,054			73,524
2	Carmel River Mitigation Program Balancing Account	D. 12-06-020	911,940		(1,402,342)	7,708	482,694		(0)
3	Catastrophic Event Memorandum Account	Res No. E-3228	-		(125,036)				(125,036)
4	Cease and Desist Order Memorandum Account	Res W4824	(1,148,647)		(3,361,939)	(29,701)			(4,540,287)
5	Chromium-6 Memorandum Account - Los Angeles	AL 1020 - A	(207,919)		(1,204,711)	(29,068)			(1,441,699)
6	Chromium-6 Memorandum Account - Sacramento	AL 1020 - A	(8,092,851)		(569,011)	(695,158)			(9,357,021)
7	Coastal Water Project Balancing Account	D06-11-050	1,640,785			66,849	(46)		1,707,587
8	Coastal Water Project Memorandum Account	D06-11-050	(6,984,970)		(618,096)	-			(7,603,066)
9	Conservation Surcharge Balancing Account - San Diego	D. 12-06-016	(177,010)		(36,793)	(1,563)	167,710		(47,657)
10	Conservation Surcharge Balancing Account - Los Angeles	D. 12-06-016	(138,839)		(50,174)	(744)	209,618		19,861
11	Conservation Surcharge Balancing Account - Ventura	D. 12-06-016	(65,545)		(272,977)	(1,098)	266,645		(72,975)
12	Conservation Surcharge Balancing Account - Monterey	D. 12-06-016	(551,881)		(499,750)	(4,326)	733,781		(322,177)
13	Conservation Surcharge Balancing Account - Sacramento	D. 12-06-016	26,584		(570,331)	2,999	444,455		(96,293)
14	Conservation Surcharge Balancing Account - Larkfield	D. 12-06-016	13,630		(17,115)	216	29,616		26,348
15	Conservation/Rationing Memorandum Account - San Diego	Res W-4976, AL 1047	(432,630)		(63,556)	(4,148)			(500,333)
16	Conservation/Rationing Memorandum Account - Ventura	Res W-4976, AL 1047	(544,814)		(967)	(4,563)			(550,345)
17	Conservation/Rationing Memorandum Account - Los Angeles	Res W-4976, AL 1047	(728,199)		(2,903)	(6,892)			(737,994)
18	Conservation/Rationing Memorandum Account - Monterey Main	Res W-4976, AL 1051	(118,720)		(79,054)	(1,136)			(198,910)
19	Conservation/Rationing Memorandum Account - Larkfield	Res W-4976, AL 1048	(135,671)		(968)	(1,307)			(137,946)
20	Conservation/Rationing Memorandum Account - Sacramento	Res W-4976, AL 1048	(616,641)		(17,815)	(6,070)			(640,525)
21	Consolidated Expense Balancing Account - San Diego	D12-06-016	(145,100)		(49,515)	(523)	175,587		(19,551)
22	Consolidated Expense Balancing Account - Los Angeles	D12-06-016	(1,487,802)		(70,231)	(10,684)	900,728		(667,990)
23	Consolidated Expense Balancing Account - Larkfield	D12-06-016	(258,101)		8,578	(1,954)	108,264		(143,212)
24	Consolidated Expense Balancing Account - Monterey	D12-06-016	(8,816,622)		201,129	(88,263)	2,682,523		(6,021,233)
25	Consolidated Expense Balancing Account - Monterey WW	D12-06-016	(43,374)		49,141	(53)	14,386		20,100
26	Consolidated Expense Balancing Account - Sacramento	D12-06-016	(3,707,860)		115,449	(27,906)	1,471,835		(2,148,481)
27	Consolidated Expense Balancing Account - Toro	D12-06-016	(110,006)		10,818	(851)	36,895		(63,144)
28	Consolidated Expense Balancing Account - Ventura	D12-06-016	(338,489)		67,789	(1,977)	180,696		(91,981)
29	Emergency Rationing Costs Incurred by CAW Memorandum Account	D.09-05-029	-						-
30	Endangered Species Act (ESA) Memorandum Account	D12-06-016	(1,372,236)		802,336	2,145			(567,755)

California - American Water Company
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Schedule E-1
Balancing and Memorandum Accounts

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31	Repayment Balancing Account	D13-01-033	(14,237)			(971)			(15,208)
32	Program Memorandum Account- San Diego	D13-04-019,AL1003&31S	(476,891)						(476,891)
33	Program Memorandum Account - Los Angeles	D13-04-019,AL1003&31S	(900,522)						(900,522)
34	Low-Income Ratepayer Assistance (LIRA) Program Memorandum Account - Ventura	D13-04-019,AL1003&31S	(330,702)						(330,702)
35	Low-Income Ratepayer Assistance (LIRA) Program Memorandum Account - Monterey	D13-04-019,AL1003&31S	(593,885)						(593,885)
36	Low-Income Ratepayer Assistance (LIRA) Program Memorandum Account - Monterey WW	D13-04-019,AL1003&31S	(531)						(531)
37	Low-Income Ratepayer Assistance (LIRA) Program Memorandum Account - Sacramento	D13-04-019,AL1003&31S	(1,341,611)						(1,341,611)
38	Low-Income Ratepayer Assistance (LIRA) Program Memorandum Account - Larkfield	D13-04-019,AL1003&31S	(67,218)						(67,218)
39	Low-Income Ratepayer Assistance (LIRA) Program Balancing Account- San Diego	D15-04-007	(226,735)	(398,616)		(7,739)	263,726		(369,364)
40	Low-Income Ratepayer Assistance (LIRA) Program Balancing Account - Los Angeles	D15-04-007	(102,949)	(393,159)		(10,122)	362,770		(143,460)
41	Low-Income Ratepayer Assistance (LIRA) Program Balancing Account - Ventura	D15-04-007	321,915	(136,932)		855	304,748		490,586
42	Low-Income Ratepayer Assistance (LIRA) Program Balancing Account - Monterey	D15-04-007	561,539	(649,081)		376	561,976		474,810
43	Low-Income Ratepayer Assistance (LIRA) Program Balancing Account - Monterey WW	D15-04-007	24,036	(1,652)		-	2,834		25,218
44	Low-Income Ratepayer Assistance (LIRA) Program Balancing Account - Sacramento	D15-04-007	(5,840)	(909,543)		(13,777)	788,023		(141,137)
45	Low-Income Ratepayer Assistance (LIRA) Program Balancing Account - Larkfield	D15-04-007	15,580	(24,191)		(471)	33,261		24,179
46	MPWMD Conservation Balancing Account	D12-06-016	1,067,774		7,622	58,297	(1,046,124)		87,569
47	NOAA_ESA Memorandum Account	AL 929	649,885		(5,500,000)	6,706			(4,843,408)
48	Non-Revenue Water Action Plan Memorandum Account	D 12-06-016	(75,731)			(772)			(76,503)
49	OPEB Balancing Account - San Diego	D12-06-016	(11,937)		23,690	136			11,889
50	OPEB Balancing Account - Monterey	D12-06-016	(66,256)		136,675	259			70,678
51	OPEB Balancing Account - Monterey WW	D12-06-016	(16,302)		21,816	(22)			5,493
52	OPEB Balancing Account - Toro	D12-06-016	(634)		1,382	3			751
53	OPEB Balancing Account - Los Angeles	D12-06-016	(32,524)		55,554	42			23,073
54	OPEB Balancing Account - Ventura	D12-06-016	(10,512)		21,310	38			10,836
55	OPEB Balancing Account - Sacramento	D12-06-016	(37,761)		58,226	2			20,468
56	OPEB Balancing Account - Larkfield	D12-06-016	(3,200)		3,127	(13)			(86)
57	Pension Balancing Account - San Diego	D12-06-016	530,641		5,960	41,052			577,653
58	Pension Balancing Account - Monterey	D12-06-016	1,861,725		21,022	141,287			2,024,034
59	Pension Balancing Account - Monterey WW	D12-06-016	184,897		2,013	3,454			190,363
60	Pension Balancing Account - Toro	D12-06-016	19,220		215	1,431			20,866

California - American Water Company
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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 ¹ (i)
61	Pension Balancing Account - Los Angeles	D12-06-016	729,531		8,240	59,497			797,268
62	Pension Balancing Account - Ventura	D12-06-016	451,895		5,053	31,509			488,457
63	Pension Balancing Account - Sacramento	D12-06-016	967,441		10,911	76,848			1,055,201
64	Pension Balancing Account - Larkfield	D12-06-016	133,617		1,512	11,130			146,259
65	San Clemente Dam Balancing Account	D12-06-040	(91,721,181)		2,263,432	(6,990,780)	7,228,244		(89,220,285)
66	Sand City Desalination Plant Purchased Water Balancing Account	D13-04-015	(1,442,164)		(809,980)	(17,242)	522,932		(1,746,453)
67	Seaside Basin Adjudication Balancing Account	D09-07-021	(694,390)		(47)	(6,378)	258,942		(441,873)
68	Seaside Groundwater Basin Balancing Account	D12-06-016	1,080,665		(79,380)	11,178			1,012,463
69	West Placer Memorandum Account	D13-10-003	(5,761,100)						(5,761,100)
70	WRAM/MCBA - San Diego	D08-11-023	(2,106,898)	(2,941,457)	(33,723)	(39,659)	654,750		(4,466,987)
71	WRAM/MCBA - Los Angeles	D08-06-002	(3,658,374)	(3,622,882)	1,110,355	(53,040)	978,826		(5,245,114)
72	WRAM/MCBA - Ventura	D08-11-023	(6,917,896)	(7,094,373)	2,084,548	(95,961)	2,888,978		(9,134,703)
73	WRAM/MCBA - Monterey ²	D09-07-021	(60,733,744)	(5,136,620)	(79,571)	(634,492)	10,164,006		(56,420,421)
74	WRAM/MCBA - Monterey Toro	D15-04-007	(400,937)	(165,761)	(9,425)	(5,196)	59,302		(622,017)
75	WRAM/MCBA - Monterey Ambler	D09-07-021	(804,320)	(159,483)	(24,247)	(9,278)	135,460		(861,868)
76	WRAM/MCBA - Sacramento	D15-04-007	(16,080,223)	(7,409,955)	401,038	(197,437)	4,256,955		(19,029,622)
77	WRAM/MCBA - Larkfield	D08-11-023	(1,255,782)	(350,217)	9,960	(13,883)	385,901		(1,224,021)
78	Leak Adjustments Memorandum Account (LAMA)	D12-06-016, AL991	(3,817,839)		99,195	(26,423)			(3,745,068)
79	Old Monterey Style WRAM Balancing Account	D12-06-016	(951,620)			(9,079)			(960,700)
80	Purchased Water, Purchased Power, & Pump Tax Balancing Account - Monterey WW	D12-06-016	(172,536)		(92,701)	(2,435)			(267,672)
81	Purchased Water, Purchased Power, & Pump Tax Balancing Account - Sacramento	D12-06-016	(195,073)						(195,073)
82	Tax Act Memorandum Account	D15-04-07	-	85,237					85,237
83	Dunnigan Consulting Memorandum Account	AL 1101	(174,564)		(147,906)	(2,482)			(324,952)
84	Water-Energy Nexus Program Memorandum Account	D15-09-023	(142,029)		(102,352)	(2,128)			(246,509)
85	Meadowbrook CIAC Memorandum Account	D16-12-014	-		(575,000)				(575,000)
86	School Lead Testing Memorandum Account	AL 1164-A	-		(4,584)	(4)			(4,588)
87	Failed Lamanda Well Memorandum Account	D15-04-007,A16-07-002	-		(485,896)				(485,896)

Notes:

1) Balances are reflected as Over / (Under) Collections

2) Includes amounts related to the Unaccounted for Water Incentive Program

**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.

All Districts

All residential domestic's and wastewater's low income assistance customers receive a 20% discount on the service charge and the first and second tiered rates.

2. Participation rate for Year 2017 (as a percent of total residential customers served per district) at 12/31/17

San Diego	19.1%
Larkfield	9.3%
Los Angeles	15.6%
Monterey	10.4%
Sacramento	14.7%
Ventura	5.7%

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, 2017					
	Type of Account*	Expenses Incurred	Revenues Lost	Interest Accrued	Net Account
San Diego	B/A		398,616	7,739	406,355
Los Angeles	B/A		393,160	10,122	403,282
Ventura	B/A		136,932	(855)	136,077
Monterey	B/A		647,518	(376)	647,142
Larkfield	B/A		24,191	471	24,662
Sacramento	B/A		909,543	13,777	923,320
Total			2,509,960	30,878	2,540,838

Above amounts represent amount not yet approved for recovery

*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 Word Document Attachments for Information by District

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 2017 Annual Summary Report

California American Water

San Diego County District

Ventura County District

Los Angeles County District

Monterey County District

Sacramento District

Larkfield District

May 2018



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 main districts, including: the San Diego County district, Ventura County district, Los Angeles County district, Monterey County district, Sacramento district, and Larkfield 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 2017;
- 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 (provided as separate files with the CPUC report filing).

Summary

California American Water has continued to provide extensive conservation programs to all its customers in 2017 and has modified or expanded its offerings to best accommodate customer demand and needs.

2017 marked the end of the historic California drought so emphasis was given to roll back some of the drought outreach and messaging while ensuring customers would not fall back into pre-drought usage patterns but continue the substantial water reduction habits exhibited during the drought. Two innovative and exciting programs were finally fully rolled out in 2017 and included a Low Income Water/Energy Direct Install program and a Sustainable Landscape retrofit program that was partially funded through a Prop 84 State Grant and administered through a unique five partner public/private partnership. California American Water's conservation team also continued to provide many service calls in the field at customers' homes and yards including water wise house calls, sprinkler check ups, leak detection assistance and meter data log retrieval. The conservation staff is utilizing innovative technology such as mobile tablets and electronic handhelds to be efficient and effective in addressing conservation or efficiency related tasks in the field and office. For 2018, the conservation team is proposing a pilot using acoustic leak detection equipment to trace difficult to find leaks in customers' homes. The team is oftentimes successful in finding in-home or outdoor customer leaks even after professional plumbers called in for help by customers were unsuccessful in locating a leak. With undetected leaks causing potentially substantial customer bill spikes, this task continues to grow in importance. This leads to another strong strategic focus for California American Water's Conservation Team; customer education and outreach. In 2017, a wide offering of classroom sessions, hands on workshops, landscape demonstrations and conservation booths at public events was provided as opportunity for customers to participate and engage in water efficient behavior or home/landscape upgrade and retrofit. Customer participation at these events was strong despite the end of the drought and the significant public outreach that had occurred during the several years of drought. California American Water also invests significantly in training and continued education of its conservation staff with certifications such as the new Qualified Water Efficient Landscaper ("QWEL"), which helps staff in assisting customers wanting to retrofit their traditional turf landscape to a California native or more climate appropriate landscape. Several staff members have also acquired the necessary skills to conduct in-house commercial water surveys and have conducted a number of such surveys in 2017 providing significant cost savings over contracting these services out.

California American Water also continued to strengthen its partnerships with water wholesalers such as the City of San Diego, the San Diego County Water Authority, 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.

In addition to previously mentioned residential and nonresidential water surveys at no cost to customers, other programs continued to be offered to both residential and non residential customers including 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 Metropolitan Water District's (MWD's) Social Watersmart rebate program.

The year 2017 marked the third 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.

Although this report is trying to capture conservation related expenses as accurately as possible, it is not intended as a financial document; slight variances to the Company's general ledger are possible.

Table 1 shows the combined estimated water savings from all districts in 2017

Table 1. 2017 Statewide Summary of Water Savings		
District	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
San Diego	68.3	610.2
Ventura	204.6	2,611.9
Los Angeles	52.1	540.3
Monterey	342.3	2,011.8
Sacramento	118.0	1,101.6
Larkfield	4.2	42.8
Total	789.5	6,918.6

San Diego County District

The programs funded by California American Water's conservation surcharge during 2017 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 2017	# 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		n/a	n/a	n/a	n/a
BMP 2.1 Public Information programs	Advertising, PSAs, Community Events	12,303	11	n/a	\$14,088	n/a	n/a	n/a	n/a
BMP 2.2 School Education program	School education pgm -Miss Smarty Plants	22,667	12	n/a	\$31,500	n/a	n/a	n/a	n/a
BMP 3 Residential Water Audits	Residential audits (in-house and vendor)	2,050	52	Approx. \$260	\$10,829	0.04	5	3.4	16.8
BMP 3 Low Flow Fixtures	Conservation devices	5,126	1,661	varies	\$2,113	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	13	varies	\$1,340	0.1075	10	6.5	65.0
High Efficiency Dishwasher Rebate	Residential Dishwasher Rebate		3	varies	\$225				
BMP 3 Ultra-Low Flow Toilet Program	Residential Toilet Rebates	5,126	11	varies	\$545	0.0425	20	5.7	115.0
BMP 3 Low Income Water/Energy Prgm	SDGE Direct Instal	15,378	68	varies	\$8,137	0.0425	20	8.5	170.0
Rain Barrel Rebate	Residential Rain Barrel Rebates		24	varies	\$1,450				
Residential Rebate	Pool Cover Rebate		0	varies	\$0				
BMP 4 CII Rebates	CII Rebates	5,126	77	varies	\$310	0.85/0.1075	10/20	8.9	74.5
CII and Large Landscape Conservation (Audits)	CII & LL Audits	23,580	1	varies	\$195	0.66	5	12.0	60.0
BMP 5 Landscape Upgrade Grant Program		25,630	0		0	Unknown	n/a	n/a	n/a
	CUWCC Membership (BMP 1.1 Wholesaler programs)		n/a	n/a	\$1,277	n/a	n/a	n/a	n/a
	Weather based Irrigation Controller Rebates		9	varies	\$720				
BMP 3 Landscape retrofit	Sustainable Landscape Prgm		1	n/a	\$27,696				
Total		151,536			\$100,425			54.6	596.3

BMP 1.1 Conservation Coordinator (Staffing)

In 2017, California American Water's San Diego County District funded one full-time Conservation position. The conservation representative supported the administration of the conservation program by responding to customer inquiries, conducting conservation and water waste violation 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 position was funded out of the district's payroll accounts.

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 2017, California American Water held community open house events that included a conservation table providing information about our programs and conservation advice to interested customers. The San Diego County service area sent out four bill inserts and nine customer emails in 2017 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 Coronado Fire Department Open House and the Coronado Concert in the park event. In addition, California American Water took part in the Imperial Beach City Open House and the National Night Out in San Diego. California American Water also expanded its internet and digital communications in 2017. A redesign of its website was presented which allows for continuously updating the 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 2017, there were 10 presentations with a total of 410 student participants from Pre-School through 6th 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 processed 52 residential surveys that were conducted both by in-house conservation staff and outside contractors. 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 saturation 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 2017:

Name of measure, as listed in Decision or Settlement	# of units bought	\$ per unit, activity, etc.	Total \$ spent 2017	Estimated water savings per unit per year	Unit lifespan	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Showerheads		\$4.72		0.0062	5	10.7	53.6
Kitchen Faucet Aerators	200	\$1.75		0.0017	5	1.1	5.5
Toilet Flappers	250	\$1.88		0.0047	5	2.4	11.8
Tank banks	200	\$1.25		unknown	5	unknown	unknown
Drip Gauge	0	\$0.28		unknown	5	unknown	unknown
Leak Detection tablets	0	\$0.06		0.0007	5	2.1	10.5
Hose Timers	0	\$7.48		unknown	5	unknown	unknown
Shower Timer	0	\$1.69		unknown		unknown	unknown
Water Efficiency Measurer Bag	0	\$0.12		unknown	-	unknown	unknown
Collapsible Bucket	0	\$3.90		unknown	-	unknown	unknown
Shower Pause Valve	0	\$1.94		unknown	-	unknown	unknown
Hose spray nozzle	250	\$3.37		unknown	5	unknown	unknown
Soil Probe	0	\$2.50		unknown	5	unknown	unknown
Total	2,815		\$2,112	-		16.3	81.4

BMP 3 Residential Turf Rebate Program

Turf rebate funding for California American Water's San Diego District had been exhausted by 2017 mainly due to the heightened demand during the previous drought years but incentives for landscape retrofits were instead provided through the innovative Sustainable Landscape Retrofit Program – see further below.

BMP 3 Low Income Water/Energy Direct Install Program with SDG&E

A Joint Water/Energy Direct Install program with local Energy provider San Diego Gas & Electric has been implemented in late 2016 and continued through 2017.

The program shared costs with SDG&E and provided both Energy and Water upgrades, an indoor and outdoor home assessment, homeowner education and a meter and leak check. The water measured that were installed at the homes included faucet aerators and toilet flappers where needed. A total of 238 homes in San Diego were served The program was funded out of the conservation surcharge one-way balancing account

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

California American Water's in-house rebate program is administered by its own staff eliminating any additional costs to the program. Funding for the program comes from the conservation surcharge account. In 2017 several residential

rebates in San Diego were provided for High Efficiency Washing Machines, Dishwashers, Rain barrels and other water saving devices. Plus several Weather based Irrigation Controller rebates were issued for non-residential customers.

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. 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 2017, San Diego completed 7 CII audits.

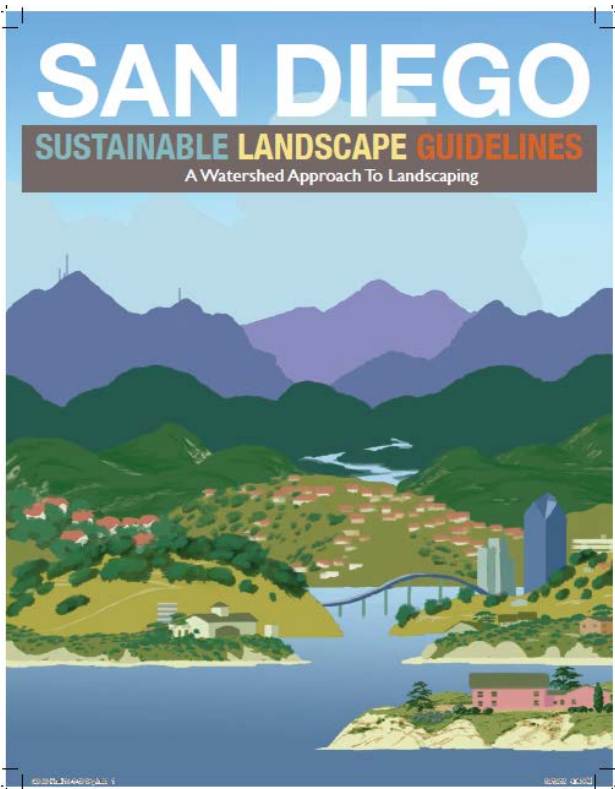
The non-residential water audit program was funded out of the conservation surcharge one-way balancing account.

BMP 4, 5 CII & Landscape Upgrade Grant Program

In 2017, \$27,696 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 contribution will allow California American Water to receive over \$68,000 back in grant incentives such as turf rebate cash incentives and professional landscape design help for customers willing to convert conventional turf to CA native or low water use landscapes, landscape retrofit training classes in California American Water's service area, a Sustainable Landscape Resource Guide and landscape materials (compost, mulch) available for free to customers in addition to other benefits of the program.

Several San Diego district customers have already taken advantage of the program and were in the process of converting their turf landscape to a sustainable California friendly, more climate appropriate low water use landscape by year end 2017. All conversions are expected to be completed in 2018.

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 2006 (Proposition 54) grant administered by the California Department of Water Resources



Ventura County District

The programs funded by California American Water's conservation surcharge during 2017 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 2017	# 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 Staffing	Conservation staffing	31,987	1 Rep	n/a	0	n/a	n/a	n/a	n/a
BMP 2.1 Public Information Program	Advertising, PSAs, Community Events	30,756	22	n/a	17,951	n/a	n/a	n/a	n/a
BMP 2.2 School Education Program	School education program by National Theater For Children	16,403	9	varies	8,625	-	n/a	n/a	n/a
BMP 3 Residential Water Audits	Residential audits by WaterWise Consulting and Blue Watchdog	12,303	123	Approx. \$250	29,352	0.04	5	4.92	24.60
BMP 3 Low Flow Fixtures	Conservation devices	9,227		varies	1,375	varies		See table 5 below	See table 5 below
BMP 3 Washing Machine Rebates	Residential rebates by CAW, MWD and CUWCC	2,399	0 CAW/ 94 MWD	\$110	(MWD)	0.1075	10	10.11	101.05
Ultra Low Flow Toilet Program	Rebate	2,563	4	\$65	(MWD)	0.0425	20	.17	3.40
Pool Cover Rebates	Residential Pool Cover Rebates		8	varies	400				
High Efficiency Dishwasher Rebate	Residential Dishwasher Rebate		76	\$75	5,700				
Residential Direct Installations Low Income	No event in 2017	19,479	0	n/a	0	0.0425	20	0.00	0.00
BMP 4,5 CII Rebates	Commercial rebates by California American Water, MWD and CUWCC	15,378	0 CAW/ 11 MWD	varies	(MWD)	varies	varies	0.00	0.00
CII and Large Landscape Audits	CII and LL audits done by Waterwise, & BWD	30,756	5	varies	5,500	0.66	5	3.30	16.50
Landscape Upgrade Grant Program		79,966	2	varies	50,973	n/a	n/a	n/a	n/a

Table 4. Ventura County District: Conservation Programs									
Name of measure as listed in Decision or Settlement	Description of measure	Authorized budget 2017	# 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 Wholesaler Programs 1712	CUWCC Membership			n/a	1,277	n/a	n/a	n/a	n/a
WaterSmart Software Program	Water Use Tracking	10,252	0	n/a	0	n/a	n/a	n/a	n/a
	Turf Rebates In house/ MWD	25,630	0 in house/ 50 MWD	\$2 per sq. ft. 483,695sq. ft	(MWD)	0.00013/ sq. ft.	10	62.88	628.80
Total		287,099			122,653			81.38	774.35

BMP 1.1 Conservation Coordinator (Staffing)

In 2017, 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 district’s payroll accounts.

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 2017 California American Water had a company booth to promote specific conservation programs and educate event attendees at the City of Thousand Oaks Arbor/Earth Day, Conejo Rec & Park Summer Concert Series and the Thousand Oaks Rotary Club Street Fair. At the booths, 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 a community open house event that was regarding the General Rate Case and a conservation table was available that provided information about our programs and conservation advice to interested customers. In addition to the community events, the Ventura service area sent four bill inserts and seven customer emails in 2017 that focused on water conservation, the drought, and incentive programs. These mailers and emails included information on water conservation tips, home water surveys and water conservation products available to customers. California American Water also introduced an Advanced Metering Infrastructure (AMI) pilot study with a customer interactive portal in partnership with SoCalGas. The study is to provide insights into a potentially larger AMI rollout in Ventura. California American Water also expanded its internet and digital communications in 2017. A redesign of its website was presented which allows for continuously updating the 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

In 2017 the Ventura County District partnered with the National Theater for Children to sponsor performances of "Men in Plaid-The Water Files", an educational assembly highlighting the importance of water and water conservation. Nine performances reached a total of 2,135 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 2017. The conservation representative conducted surveys, but most were contracted out in 2017 to handle the demand. The contracted out surveys were conducted by WaterWise Consulting Services, Inc., or Blue Watchdog Conservation, Inc. All audits included a detailed assessment of the indoor and outdoor usage, an individualized water budget, recommended irrigation upgrades or repairs, as well as a comprehensive audit package with applicable water saving devices, 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 2017:

Name of measure, as listed in Decision or Settlement	# of units / activities Bought	\$ per unit, activity, etc.	Total \$ spent 2017	Estimated water savings per unit per year	Unit lifespan	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Showerheads	113	\$4.72		0.0062	5	.70	3.50
Faucet Aerators	37	\$0.55		0.0017	5	.0629	.3145
Kitchen Faucet Aerators	24	\$1.75					
Toilet Flappers	39	\$1.88		0.0047	5	.1833	.9165
Tank banks	16	\$1.25		unknown	5	unknown	unknown
Drip Gauge	9	\$0.28		unknown	5	unknown	unknown
Leak Detection tablets	216	\$0.06		0.0007	5	.1512	.756
Shower Timers	28	\$1.69		unknown	5	unknown	unknown
Measuring Bag	9	\$0.12		unknown	5	unknown	unknown
Hose spray nozzle	248	\$3.37		unknown	5	unknown	unknown
Soil Probe	57	\$2.50		unknown	5	unknown	unknown
Dish Squeegee	0	\$1.95		unknown	-	unknown	unknown
Collapsible Bucket	0	\$3.90		unknown	-	unknown	unknown
Hose Timer	42	\$7.48		unknown	5	unknown	unknown
Total	225		\$1,375	-		1.0974	5.487

BMP 3 Residential Turf Rebate Program

In 2017 all residential turf rebates submitted by Ventura County District customers were processed through the partnership with Metropolitan Water District's (MWD's) SoCal Water Smart program. 50 such rebates were approved and paid out in 2017 for California American Water customers, resulting in 483,695 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, 4 Residential and Commercial Rebates (MWD's SoCal Water Smart, California American Water in-house rebates)

In the Ventura County District, rebates in 2017 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)). 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 Blue Watchdog Conservation, Inc. to conduct water audits in 2017. A similar approach to setting up surveys was used as described under San Diego County District's section. Survey participants were entered into the Water Efficiency Coaching program. In 2017, Ventura completed 3 LL and 2 CII 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

California American Water's successful landscape grant program continued in 2017 to reduce the water demand of municipal properties by changing landscaping and upgrading irrigation systems at high traffic public demonstration sites. 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. Two such grants were awarded in 2017.

The first award was to the newly designed Ventura County Fire Station #35. The fire station having outgrown their previous facility wanted to make certain they were demonstrating water efficiency to the community by including only drought tolerant plantings, high efficiency irrigation devices, and smart weather based controller systems.

The second award was granted to the Conejo Recreation and Parks District for a turf replacement and upgrade to its Banyon Park in the city of Thousand Oaks. The large areas of turf and non-landscaped land were converted over to drought tolerant landscape with dry creek bed, permeable asphalt walkways, deep watering bubbler systems for localized irrigation, as well as a Master valve/flow sensor and gate valves to reduce water waste during shutdowns or breaks. The design also includes a centralized area to be used by the adjacent Banyon Elementary School for outside education as a demonstration garden about conservation.

The Large Landscape Grant Program is funded out of the conservation surcharge one-way balancing account.

Los Angeles County District

The programs funded by California American Water's conservation surcharge during 2017 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 2017	# 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		n/a	n/a	n/a	n/a
BMP 2.1 Public Information Program	Advertising, PSAs Community Events	25,630	50	n/a	31,827	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	7	varies	22,949		0	0	0
BMP 3 Residential Water Audits	Residential audits (in-house, WaterWise, and BWD)	10,252	123	Approx. \$260	41,722	0.04	5	4.92	24.6
BMP 3 Residential Plumbing Retrofit	Conservation devices	7,176	1,416	varies	23,420	varies	5	See table below	See table below
BMP 3 Residential HECW Rebates	Residential rebate by CUWCC, MWD & In house	3,076	13	varies	0	0.1075	10	1.40	14.0
Residential Toilet Rebate	Residential rebate by CUWCC, MWD & In house	3,076	0	varies	0	0.0425	20	13.8	276
Pool Cover Rebate	Residential Pool Cover Rebates		2		100				
High Efficiency Dishwasher Rebate	Residential High Efficiency Dishwasher Rebates		6		450				
BMP 3 HET Direct Installations - Low Income	UHET Parking Lot event	20,504	0	\$0	29,7000	0.0425	20	0.0	0.0
CII Rebates & Direct Installations		15,378	0	n/a	0			0	0
CII and Large Landscape Audits	Audits by WaterWise, and BWD	30,756	6	varies	14,280	0.66	5	3.9	19.5
Landscape Upgrade Grant Program		19,315	1	varies	10,000	unknown	unknown	unknown	Unknown
WaterSmart Software Program	Water Use Tracking	7,689	0	n/a	0	n/a	n/a	n/a	n/a
	Turf Rebates (MWD)	17,941	0	\$2/sqft	0	0.00013/sqft	10	n/a	n/a

Table 6. Los Angeles County District: Conservation Programs

Name of measure as listed in Decision or Settlement	Description of measure	Authorized budget 2017	# 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 Wholesaler Programs	CUWCC Membership		n/a	n/a	1809	n/a	n/a	n/a	n/a
Total		214,310			176,257			24.0	334.0

BMP 1.1 Conservation Coordinator (Staffing)

In 2017, 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 district's payroll accounts.

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 hosted a company booth/table at several community events – Duarte Concert in the Park, An Evening at the Huntington, Temple City Concert in the Park, San Marino National Night Out, and co-sponsored a booth with Upper San Gabriel Valley Municipal Water District at WaterFest 2017, 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 the Los Angeles County District office regarding the drought and conservation measures (Rule and Schedule 14.1). In addition, the Los Angeles County District sent eighteen bill inserts and nine customer emails that focused on water conservation and incentive programs or explaining the drought and prohibited water uses. These bill inserts and customer emails include information on the SoCal-Watersmart Rebate Programs, upcoming community events, and general water-use efficiency tips and messages. California American Water also expanded its internet and digital communications in 2017. A special drought page for its website was updated continuously with 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 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 “*Men in Plaid: The Water Files*” to elementary school children in large assemblies for the 2017 school year. A total of 6 schools participated in the program, or 1,320 students in the Los Angeles District. The school education program was funded out of the conservation surcharge one-way balancing account.



For California American Water’s Los Angeles and Ventura service area combined, The National Theatre for Children reached a reported 3,455 students and 152 teachers with vital information on water conservation. Featuring live in-school performances, student playbooks, teacher guides, infographic posters, and digital games and activities, *Men in Plaid: The Water Files* toured 11 schools and received rave reviews from California students, educators and the media:

Thanks for making this free! The kids are getting extra credit for Science if they complete the Classroom & Family Activities.

4th Grade Teacher, Banyan Elementary School, Newbury Park, CA

Lots of fun and engaging

Elementary school teacher, Los Angeles, CA

School feedback about the program was received and was overwhelmingly positive. Based on a scale of 1-7, overall educational value was rated a 6.55, and 99% reported they would like to see California American Water continue to offer this program to their school. Teachers rated the program’s ability to stimulate classroom discussion as a 6.36 and increase students’ capacity for retaining the messages as a 6.06. One hundred percent (100%) of teachers who received the printed curriculum stated they would use it in the classroom, at home or both.

As part of *The Water Files*, each school received:

- A 25-minute live performance on water conservation
- Student playbooks with classroom and take-home exercises related to *The Water Files*
- Teacher guides that explain the program, prepare the classroom, and offer curriculum-enriching exercises

- Educational digital games and activities found on NTCplayworks.com related to the program

The Water Files focused on the following key educational points:

- The uses of water
- The importance of water
- Ways in which water is wasted
- How to conserve water

BMP 3 Residential Water Audits

California American Water's Los Angeles County District performed a number of residential water surveys in 2017. Surveys were both completed with in-house conservation staff and external contractors. 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 a database to allow for easy tracking of water saving opportunities and to obtain a district saturation 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 2017:

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 201	Estimated water savings per unit per year	Unit lifespan	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Showerheads	259	\$4.72		0.0062	5	1.60	8
Faucet Aerators	140	\$0.40		0.0017	5	0.24	1.2
Kitchen Faucet Aerators	85	\$1.75					
Toilet Flappers	121	\$1.25		0.0047	5	0.57	2.85
Tankbanks	0	\$1.25		unknown		unknown	unknown
Drip Gauge	0	\$0.28		unknown		unknown	unknown
Leak Detection tablets	181	\$0.06		0.0007	5	0.12	0.6
Shower Timers	164	\$1.65		unknown		unknown	unknown
Hose spray nozzle	209	\$3.30		unknown		unknown	unknown
Soil Probe	157	\$2.50		unknown	-	unknown	unknown
Collapsible Bucket	0	\$3.90		unknown	-	unknown	unknown
Water Efficiency Measurer Bag	0	\$1.35		unknown	-	unknown	unknown
Hose timer	100	\$7.48		unknown	5	unknown	unknown
Total	1,416		23,420	-		2.0	13.7

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

In the Los Angeles County District, rebates in 2017 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).

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 2017, the Los Angeles County District completed 2 CII audit and 4 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 2017, California American Water provided a Large Landscape Grant of \$10,000 to Rosemead High School for their Landscape Transformation Project. The project consisted of removing 10,864 sq./ft. of non-functional turf and the replacement with sustainable and drought tolerant landscaping. In addition to the Large Landscape Grant, California American Water also partnered with Rosemead Unified School District on a urinal upgrade program for the men's restrooms at Rosemead High School.

Monterey County District

The programs funded by California American Water's conservation surcharge during 2017 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 2017 (1/3 of 3 yr budget)	# of unit / 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 (AFY)
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	\$114,486	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)		476	n/a	\$8,336	0.04	5	17.0	85.0
BMP 3 Residential Plumbing Retrofit	Conservation devices – CAW	\$7,500	25,181	varies	\$45,428	-	5	See table 8 below	See table 9 below
BMP 3 Water/Energy Direct Installations Low-Income	Water/Energy Prgrm with PGE	12,000	189	N/A	34,140	0.0425	20	N/A	N/A
BMP 3,4 Residential & Commercial Rebates	Residential & Comm. rebates by CAW and MPWMD	\$533,333	2,076	varies	\$498,823	-	0	See table 10 below	See table 11 below
BMP 3,5	Large Landscap 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 2017, 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 2017, 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 2017 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 2017, 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 2017, 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 2017, 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 2017, Zun Zun provided fifteen 45-minute performances within California American Water's service territory. The performances reached a total of 6,388 students and covered topics such as the water cycle, watershed, indoor conservation and conservation tips, including information about fixing leaks.

In addition, California American Water offered school conservation presentations by the Zun Zun group for students and adults alike attending the Monterey County Fair during Labor Day Weekend. The attendees consisted of elementary and up to the 5th grade students and totaled approximately 2,500 students for both events.

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

BMP 3 Residential Water Audits

California American Water has been providing free Water Wise House Calls to its customers since 2008, and utilizes in-house trained audit staff. 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 and possibly detect leaks.

California American Water's conservation staff completed 476 Water Wise House Calls in 2017. In addition, conservation staff completed 195 high bill investigations and irrigation sprinkler checks at the beginning of the spring season. Customer irrigation systems were evaluated to ensure there were no leaks and to identify root causes of possible high water use. Outdoor tips and recommendations were also provided to customers.

California American Water promoted the Water Wise House Call program 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 California American Water's five-tiered rate design.

**FREE
WATER WISE
HOUSE CALLS**

CALIFORNIA
AMERICAN WATER

Take advantage of **free** Water Wise House Calls. Call California American Water at (831) 646-3205 to schedule an appointment with a certified Conservation Specialist.

"After a Water Wise House Call helped me discover ways to save water, my water bill went from \$57 to only \$16!"
-Merry Trucksis, California American Water customer

During the Water Wise House Calls (audits) & high bill investigations, California American Water identified common inefficiencies and water waste in many of the Monterey residences. The most common 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 assisted customers by showing them how to read their water meters and properly convert cubic feet units to gallons so that customers can better monitor their daily usage and also compare the meter readings to the billing units identified on their water bills. In addition, conservation staff also assisted customers by properly adjusting their irrigation controllers to meet the plant water needs and to irrigate in compliance with MPWMD’s two day a week watering schedule. Conservation staff also provided free water conserving devices to customers. The audit reports also include recommendations on utilizing the rebate program for the replacement of high water-use fixtures and appliances at customers’ homes..

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.

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 2017, California American Water and MPWMD distributed the following conservation devices to customers:

Table 9. Monterey County District: BMP 3 & 4 Plumbing Retrofit Detail – California American Water							
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 2017	Estimated water savings per unit per year ¹	Unit lifespan	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Showerheads	4,774	\$3.50		0.0062	5	18.7	93.5
Faucet Aerators Bathroom	7,250	\$0.40		0.0017	5	7.8	39.0
Faucet Aerators Kitchen	3,900	\$2.05		0.0017	5	4.5	22.3
Leak Detection tablets	5,900	\$0.06		0.0007	5	1.3	6.5
Shower Timers	3,135	\$1.05		unknown	5	unknown	unknown
High Efficiency Pre Rinse Spray Valve	5	\$26.00		0.392	5	6.3	31.4
Dish Squeegees	2,445	\$1.95		unknown		unknown	unknown
Leak Detection Kits	2,492			0.0007	5	1.8	9.0
Moister Meters	2,562	\$1.88		unknown	5	unknown	unknown
Hose Shut off Nozzles	1,995	\$2.55		Varies	3	Varies	Varies
Total	34,458		\$45,428			40.3	201.7

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

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 2017, 2,077 rebate applications were approved.

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 2017 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 2017.

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

California American Water continued its Rain Sensor Installation Program through its contractor WaterWise Consulting. A total of 440 rain sensors have been installed since the program began in 2011 for residential and non-residential customers. In addition, soil moisture sensors were offered to select customers with landscapes that would benefit from this add-on to the Sensor Program. A total of 39 customers have participated in the soil moisture sensors program since its inception. In 2017, there were a total of 46 rain sensors and 6 soil moisture sensors installed.

Targeted candidates for rain and soil moisture sensor upgrades are typically customers with usage in the 4th and 5th 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 3 Low Income Water/Energy Joint Direct Install Program

California American Water partnered with Pacific Gas and Electric Company (PG&E) to offer a first of its kind Water-Energy Joint Partnership Direct Install Program for its Low Income customers. The program provides low income residential customers with free home improvements to make their home more energy and water efficient. Partnering with PG&E allowed both utilities to share costs as part of an Energy Savings Assistance Program (ESA) Water pilot where California American Water provided funding for the cold water conservation measures (Toilets, Toilet Flappers, Hose nozzles) and water conservation education. PG&E provided funding for all hot water measures (Faucet aerators, showerheads, thermostatic valves, water heater leak repair, etc.). This joint program provided participating customers the convenience of a single contractor visit and single contact to the program administrator instead of separate water and energy audits and multiple installation visits.



In addition to the energy, home weatherization and water measures, California American Water customers also received an indoor and outdoor water home audit and received a brief water conservation education at their home. In 2017, a total of 189 Monterey households were served.

This partnership was the first Water/Energy Joint program of its kind in California and served as a model for similar programs now developed in other areas of California. Funding for California American Water’s portion of the program came from CPUC authorized conservation program funds for low income direct install programsbenefit

BMP 4 CII Audits

California American Water continued its commercial audit program established in 2009 along with its contract with WaterWise Consulting to conduct commercial, institutional, and industrial audits during 2017. Water Wise Consulting completed 7 audits with an estimated potential savings of 13.28 acre feet following the implementation of the audit recommendations. Since the program began in 2009, over 263 commercial customers have participated in such survey and implemented significant water savings as a result.

California American Water’s conservation staff conducted follow ups with the customers on site and in person to review the audit reports and provide free devices, such as faucet aerators and pre-rinse spray valves. Customers were also requested to sign a statement confirming their receipt of the report and their consent for MPWMD to receive a report copy.



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 2017 are summarized in Table 10 and described in detail in the narrative that follows.

Table 10. Sacramento District: Conservation Programs									
Name of measure, as listed in Decision or Settlement	Description of measure	Authorized 2017 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	42,707	n/a	n/a	n/a	n/a
BMP 1.1 Wholesaler pgms	CUWCC Membership		n/a	n/a	3,617	n/a	n/a	n/a	n/a
BMP 1.1 Wholesaler pgms	RWA Membership	34,395	n/a	n/a	42,618	n/a	n/a	n/a	n/a
BMP 2.1 Public Information	Advertising, PSAs, Community Events	66,639		n/a	48,852	n/a	n/a	n/a	n/a
BMP 2.2 School Education	School education pgm by Resource Action Pgms	41,008	774	varies	31,890	0.006 (Showerhead etc. in kit)	5	1.5	7.6
BMP 3 Residential Water Audits	Residential audits in-house	26,455	258	Approx. \$260	6,292	0.04	5	11.4	57.2
BMP 3 Residential Rebates	Residential rebates by CAW and CUWCC (HECW)&(HEDV)	15,378	93	varies	16,200	0.1075	10	15.7	157.0
BMP 3 Residential Rebates	Residential rebates by CAW and CUWCC (HET)	20,504	1430	varies	206,814	0.0425	20	24.2	484.5
BMP 3 Residential Plumbing Retrofits	Conservation devices	25,630	3680	varies	5,527	varies	5	See table 12 below	See table 12 below
BMP 3 Residential Low-Income Direct Install	Joint Water/Energy Direct Install	33,333		varies	20,885	0.0425	20	0	0
BMP 4 & 5 CII & Large Landscape Audits	LL & CII audits by WaterWise Consulting	74,343	0	varies	0	0.66	5	8.6	42.9
BMP 4 & 5 Commercial Rebates	Commercial rebates by CAW and CUWCC (HET & HEW & WBIC)	52,338	8-HET 2-WBIC		1,600 1,400	0.0425 & 0.1075	10/20	0.3	6.5
	Turf Exchange Rebates-(Turf , WBIC, Pool Covers, Rain Barrels)	33,334	8/ 11,400 58/ Wbic 4/PC 22/RB	\$1 per sq. ft.	11,400 10,620 200 1,650	0.00014 per sq ft	10	89.7	279.0
Total		\$455,344			\$453,250			89.7	1,034.7

BMP 1.1 Conservation Coordinator (Staffing)

In 2017, 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. The conservation Representative position was funded out of the conservation surcharge one-way balancing account.

BMP 2.1 Public Information Program

Although the drought subsided by 2017, California American Water maintained a very active conservation program. The company attended and maintained booths at several high-profile events in the local communities it serves. These activities include International Kids Day, Rancho Cordova's Kid's Day in the Park, Citrus Heights, Antelop and Old Foothill Farms Movie Nights in the Park, Citrus Heights 20th anniversary celebration, Rosemont Community Association Annual meeting and picnic and other partnership activities with the Sunrise Park District. Typically at these events, The company maintains a customer service booth replete with conservation information and take-home items that include low-flow hose nozzles, shower timers, moisture meters and other helpful conservation tools. California American Water's conservation team continued with its popular conservation survey house calls program. The house call program enabled customers to make an appointment with the conservation staff to come and visit their home or business to search for areas of potential water savings. The company kept up a consistent outreach effort throughout the year. The company sent seven bill inserts and/or conservation themed mailings to customers. These included a bill inset for Fix-a-Leak-Week and seasonal conservation reminders (roll back watering for winter and sustainable irrigation practices for spring and summer). The company continued its occasional radio sponsorships with topical conservation messaging.

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 2017, approximately 774 students were reached through the RAP program.

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 258 residential water surveys in 2017 in house by its own conservation staff. No residential surveys had to be contracted out. All surveys 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 a database to allow for easy tracking of water saving opportunities and to obtain a district saturation profile for toilets and other water saving devices.

The cost shown in table 11 above under residential water audit program reflects subscription fees for Droplet's handheld device water audit software.

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 2017:

Table 11. 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	294	\$4.72	1435	0.0062	5	16.9	84.6
Faucet Aerators	425	\$0.55	414	0.0017	5	8.3	41.3
Toilet Flappers	2	\$1.50	0	0.0047	5	0	0
Tank banks	11	\$1.25	12.50	unknown	5	unknown	Unknown
Drip Gauge	7	\$0.28	2	unknown	5	unknown	Unknown
Leak Detection tablets	1010	\$0.06	149	0.0007	5	2.2	11.0
Shower Timers	134	\$1.65	149	unknown	5	unknown	Unknown
Hose spray nozzle	280	\$4.95	3,188	unknown	5	unknown	Unknown
Moisture Sensor	435	\$2.50	1863	unknown	5	unknown	Unknown
Rain & Sprinkler Gauge	54	\$1.35	73	unknown	5	unknown	Unknown
Hose Timers	75	\$8.75	464	unknown	5	unknown	Unknown
Total	2727		7,750	-		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 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 and Monterey districts through 2017 with a significant portion of participating customers living in disadvantaged communities. Sacramento in 2017 had 156 Customers assessed,

with 329 toilets of which 79 were replaced and 37 flappers were replaced. 59 leaks were found. 331 bathroom sinks with 187 aerators retrofitted fixing 12 leaks. 304 Showers with 7 leaks and 161 showerheads replaced. 158 Kitchen sinks with 11 leaks and 60 Kitchen aerators replaces. 379 Hose bibs with 0 leaks 147 Hose nozzles distributed. 27 leaks detected at the meter.

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

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

In the Sacramento District, rebates in 2017 were provided to customers 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"). 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

As mentioned in the Report Summary, several individuals of the California American Water's conservation staff have obtained the necessary training to perform CII and Large Landscape Audits on their own eliminating the need to contract outside vendors to perform these costly surveys. All of Sacramento's conservation team members are able to offer and perform 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 2017, Sacramento completed 4 CII audits and 2 LL audits.

BMP 3, 4, 5 Turf Exchange Rebate Program

In 2017, the funding in Sacramento for residential and commercial turf rebates had been mostly exhausted except for a few qualified customers that participated in this 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. Eight customers participated and received such rebate and close to 11,400 square feet of turf 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 2017 are summarized in Table 12 and described in detail in the narrative that follows.

Name of measure, as listed in Decision or Settlement	Description of measure	Authorized 2017 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	4,255	n/a	n/a	n/a	n/a
BMP 1.1 Wholesaler pgms	CUWCC Membership		n/a	n/a	127	n/a	n/a	n/a	n/a
BMP 2.1 Public Information	Advertising, PSAs, Community Events, Demonstration Gardens	\$3,594			1,652	n/a	n/a	n/a	n/a
BMP 2.2 School Education	School education pgm (in house)	\$289	0	N/A	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	3	195	712	0.04	5	0.4	1.8
BMP 3 Residential Rebates	Residential rebates by CAW	\$1,540	7	varies	944	0.1075	10	0.8	8.0
BMP 3 Residential Rebates	Residential rebates by CAW	\$1,540	17	varies	1,174	0.0425	20	0.9	18.7
BMP 3 Residential Plumbing Retrofit	Conservation devices (shwrhd, aerators)	\$1,540	705	varies	2,755	varies	5	See table 14 below	See table 14 below
BMP 4, Commercial Rebates	Commercial rebates by CAW (HET & HEW & WBIC)	\$1,540	0	varies	0	Varies	varies		
BMP 4	CII Surveys	\$2,567	0	varies	910	0.66	10		
BMP 3 & 4, Turf Exchange	Turf Exchange Rebates (In house)	0	5 rebt/ 6,007sq ft		6,185	0.00014 per sqf	10	1.3	13.0
Total		\$30,173			18,714			3.4	41.5

BMP 1.1 Conservation Coordinator (Staffing)

In 2017, California American Water's Larkfield District funded one limited part time conservation staff position for part of the year. A full time position joined the Larkfield district in mid 2017 providing limited conservation support as part of the job duties. The conservation staff supported the administration of the conservation program by tracking equipment inventory, scheduling water wise house surveys, 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 position was funded out of the conservation surcharge one-way balancing account.

BMP 2.1 Public Information Program

With drought restrictions eased in 2017, the company scaled back its conservation campaign accordingly to its average conservation activity but continued its partnership in the Sonoma Marin Saving Water Partnership. The devastating Tubbs Fire that occurred later in the year forced the relatively small staff to reprioritize its activities as about 25 percent of the service territory was destroyed. That being said, the company maintained a robust and effective conservation campaign throughout most of the year. This included four conservation bill inserts that included Fix-a-Leak-Week and seasonal conservation reminders. California American Water's Larkfield District participated in a variety of public outreach meetings, community events, and educational campaigns. The company maintained ongoing community meeting participation with the Larkfield Chamber of Commerce, Mark West Community Advisory Committee, a CPUC public hearing and local elected officials (including town halls in Fulton and Larkfield) and active community members to engage them in water conservation campaigns and program development; and attended Sonoma County Water Agency's water conservation coordinators meetings.

BMP 2.2 School Education Program

Larkfield conservation staff looked into school educational programming, but did not perform any school outreach programs in 2017. 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 2017.

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. Three such audits (residential) were performed by this vendor in 2017. A number of audits were also performed by in-house Operations staff in 2017.

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 (California American Water in-house rebates)

In the Larkfield District, rebates in 2017 were provided to customers primarily through California American Water's in-house rebate program offering a number of residential and commercial incentives. 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 2017:

Name of measure, as listed in Decision or Settlement	# of units activities provided	\$ per unit, activity, etc.	Total \$ spent 2017	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
Total	705		\$1,405	-	-	1.1	5.6

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 2017, 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 2017, 6,298 square feet 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	\$ 131,063
(b) services provided by any affiliated company to regulated water utility; Governance & Corporate Activities (includes finance, HR, admin, audit, legal, business development, investor relations, operations, communications, regulatory and compliance)	\$ 5,684,912
Other Business Services (includes call center, lab, supply chain, T&I, facilities, and security)	<u>\$ 8,746,450</u>
Total	\$14,431,362

(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;
2

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

(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

Schedule E-4 Attachment

CALIFORNIA-AMERICAN WATER - SHARED DIRECTORS AND OFFICERS AS OF MAY 29, 2017

Per Affiliate Transaction Rule IV.C

Personnel Name	Business Entity	Title Role	Title
Brunet, Thomas	California-American Water Company	Officer	Vice President, Business Development
Brunet, Thomas	Hawaii-American Water Company	Officer	Vice President, Business Development
Castillo, Kimberly	California-American Water Company	Officer	Vice President, Human Resources
Castillo, Kimberly	Hawaii-American Water Company	Officer	Vice President, Human Resources
Cerasuolo, Anthony	California-American Water Company	Officer	Vice President, Legal
Cerasuolo, Anthony	Hawaii-American Water Company	Director	Director
Cerasuolo, Anthony	Hawaii-American Water Company	Officer	Vice President, Legal
Chila, Daniel	American Lake Water Company	Officer	Assistant Treasurer
Chila, Daniel	American Water Capital Corp.	Officer	Assistant Treasurer
Chila, Daniel	American Water Works Service Company, Inc.	Officer	Assistant Treasurer
Chila, Daniel	California-American Water Company	Officer	Assistant Treasurer
Chila, Daniel	Hawaii-American Water Company	Officer	Assistant Treasurer
Chila, Daniel	Illinois-American Water Company	Officer	Assistant Treasurer
Chila, Daniel	Indiana-American Water Company, Inc.	Officer	Assistant Treasurer and Assistant Comptroller
Chila, Daniel	Iowa-American Water Company	Officer	Assistant Treasurer
Chila, Daniel	Kentucky-American Water Company	Officer	Assistant Treasurer
Chila, Daniel	Michigan-American Water Company	Officer	Assistant Treasurer
Chila, Daniel	Missouri-American Water Company	Officer	Assistant Treasurer
Chila, Daniel	Tennessee-American Water Company	Officer	Assistant Treasurer
Crooks, Ian	California-American Water Company	Officer	Vice President, Engineering
Crooks, Ian	Hawaii-American Water Company	Director	Director
Crooks, Ian	Hawaii-American Water Company	Officer	Vice President, Engineering
Dana, Jeffrey	California-American Water Company	Officer	Treasurer
Dana, Jeffrey	California-American Water Company	Officer	Vice President, Finance
Dana, Jeffrey	Hawaii-American Water Company	Director	Director
Dana, Jeffrey	Hawaii-American Water Company	Officer	Treasurer
Dana, Jeffrey	Hawaii-American Water Company	Officer	Vice President, Finance
Girard, Lori	California-American Water Company	Officer	Assistant Secretary
Girard, Lori	Hawaii-American Water Company	Officer	Secretary
Hodgkinson, Kent	California-American Water Company	Officer	Vice President, Business Development
Hodgkinson, Kent	Hawaii-American Water Company	Officer	Vice President, Business Development
Hofer, Garry	California-American Water Company	Officer	Vice President, Operations
Hofer, Garry	Hawaii-American Water Company	Director	Director
Hofer, Garry	Hawaii-American Water Company	Officer	Vice President, Operations
Horning, Kathryn	California-American Water Company	Officer	Assistant Secretary
Horning, Kathryn	Hawaii-American Water Company	Officer	Assistant Secretary
Leeper, Sarah	California-American Water Company	Director	Director
Leeper, Sarah	California-American Water Company	Officer	Vice President, General Counsel and Secretary
Leeper, Sarah	Hawaii-American Water Company	Officer	Vice President and General Counsel
Linam, Jeffrey	California-American Water Company	Officer	Vice President, Rates and Regulatory
Linam, Jeffrey	Hawaii-American Water Company	Officer	Vice President, Rates and Regulatory
Lynch, Walter	Laurel Oak Properties Corporation	Director	Director
Lynch, Walter J.	American Water Capital Corp.	Director	Director
Lynch, Walter J.	American Water Works Company, Inc.	Executive 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
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.	Water Solutions Holdings, LLC	Director	Director

Personnel Name	Business Entity	Title Role	Title
McKeever, Michael	Michigan-American Water Company	Officer	Assistant Comptroller
McKeever, Michael B.	American Lake Water Company	Officer	Assistant Comptroller
McKeever, Michael B.	California-American Water Company	Officer	Assistant Controller
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 Controller
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
Svindland, Richard	California-American Water Company	Director	Director
Svindland, Richard	California-American Water Company	Officer	President and Chair of the Board
Svindland, Richard	Hawaii-American Water Company	Director	Director
Svindland, Richard	Hawaii-American Water Company	Officer	President and Chair of the Board
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 D.	American Water Works Company, Inc.	Officer	Vice President, Investor Relations
Vallejo, Edward D.	American Water Works Service Company, Inc.	Director	Director
Vallejo, Edward D.	American Water Works Service Company, Inc.	Officer	Vice President - Investor Relations
Vallejo, Edward D.	California-American Water Company	Director	Director
Wilde, John	Environmental Disposal Corp.	Officer	Assistant Treasurer
Wilde, John	Indiana-American Water Company, Inc.	Officer	Assistant Comptroller
Wilde, John	Iowa-American Water Company	Officer	Assistant Comptroller
Wilde, John	Kentucky-American Water Company	Officer	Assistant Comptroller
Wilde, John	Michigan-American Water Company	Officer	Assistant Controller
Wilde, John	Tennessee-American Water Company	Officer	Assistant Treasurer
Wilde, John	TWNA, Inc.	Officer	Comptroller
Wilde, John R.	American Lake Water Company	Officer	Assistant Comptroller
Wilde, John R.	American Water (USA), LLC	Officer	Assistant Comptroller
Wilde, John R.	American Water Canada Corp.	Officer	Assistant Comptroller
Wilde, John R.	American Water Capital Corp.	Officer	Vice President and Comptroller
Wilde, John R.	American Water Carbon Services Corp.	Officer	Assistant Comptroller
Wilde, John R.	American Water Enterprises Holding, LLC	Officer	Assistant Comptroller
Wilde, John R.	American Water Military Services, LLC	Officer	Assistant Comptroller
Wilde, John R.	American Water Operations and Maintenance, LLC	Officer	Assistant Comptroller
Wilde, John R.	American Water Resources Holdings, LLC	Officer	Assistant Comptroller
Wilde, John R.	American Water Works Service Company, Inc.	Officer	Vice President of Tax Strategy and Compliance
Wilde, John R.	AWI, Inc.	Officer	Assistant Controller
Wilde, John R.	Bluefield Valley Water Works Company	Officer	Assistant Comptroller
Wilde, John R.	California-American Water Company	Officer	Assistant Controller
Wilde, John R.	Edison Water Company	Officer	Assistant Comptroller
Wilde, John R.	Hawaii-American Water Company	Officer	Assistant Controller
Wilde, John R.	Illinois-American Water Company	Officer	Assistant Comptroller
Wilde, John R.	Laurel Oak Properties Corporation	Officer	Assistant Comptroller
Wilde, John R.	Liberty Water Company	Officer	Assistant Comptroller
Wilde, John R.	Maryland-American Water Company	Officer	Assistant Comptroller
Wilde, John R.	Mt. Ebo Sewage Works, Inc.	Officer	Assistant Comptroller
Wilde, John R.	New Jersey-American Water Company, Inc.	Officer	Assistant Comptroller
Wilde, John R.	New York American Water Company, Inc.	Officer	Assistant Comptroller
Wilde, John R.	Pennsylvania-American Water Company	Officer	Assistant Comptroller
Wilde, John R.	Virginia-American Water Company	Officer	Assistant Comptroller
Wilde, John R.	West Virginia-American Water Company	Officer	Assistant Comptroller

Personnel Name	Business Entity	Title Role	Title
Witherspoon, Charles	American Water Capital Corp.	Officer	Vice President and Treasurer
Witherspoon, Charles	American Water Works Company, Inc.	Executive Officer	Vice President and Treasurer
Witherspoon, Charles	American Water Works Service Company, Inc.	Director	Director
Witherspoon, Charles	American Water Works Service Company, Inc.	Officer	Vice President and Treasurer
Witherspoon, Charles	AWI, Inc.	Officer	President and Treasurer
Witherspoon, Charles	California-American Water Company	Officer	Assistant Treasurer
Witherspoon, Charles	Edison Water Company	Officer	Assistant Treasurer
Witherspoon, Charles	Hawaii-American Water Company	Officer	Assistant Treasurer
Witherspoon, Charles	Liberty Water Company	Officer	Assistant Treasurer
Witherspoon, Charles	Mt. Ebo Sewage Works, Inc.	Officer	Assistant Treasurer
Witherspoon, Charles	New Jersey-American Water Company, Inc.	Officer	Assistant Treasurer
Witherspoon, Charles	New York American Water Company, Inc.	Officer	Assistant Treasurer
Witherspoon, Charles	Pennsylvania-American Water Company	Officer	Assistant Treasurer
Witherspoon, Charles	TWNA, Inc.	Officer	Assistant Treasurer
Witherspoon, Charles Jr.	Bluefield Valley Water Works Company	Officer	Assistant Treasurer
Witherspoon, Charles Jr.	Maryland-American Water Company	Officer	Assistant Treasurer
Witherspoon, Charles Jr.	Virginia-American Water Company	Officer	Assistant Treasurer
Witherspoon, Charles Jr.	West Virginia-American Water Company	Officer	Assistant Treasurer

SCHEDULE E-5
FOR ALL 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 (SRF) loan surcharge collection for the calendar year. Please use one page per loan.

1. Current Fiscal Agent:

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

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

\$ 10,022

Meter Size	No. of Metered Customers	Monthly Surcharge Per Customer
5/8 X 3/4 inch		
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
Total	47	

3. Summary of the bank account activities showing:

Balance at beginning of year	\$ 14,236
Add: Surcharge collections	<u>10,173</u>
Interest earned	<u>54</u>
Other deposits	<u> </u>
Less: Loan payments	<u>(9,249)</u>
Bank charges	<u> </u>
Other withdrawals	<u> </u>
Balance at end of year	<u>\$ 15,214</u>

4. Reason for other deposits/withdrawals

Loan Payments

5. Total Accumulated Reserve: \$ 4,162

**SCHEDULE E-5
FOR ALL WATER COMPANIES
SAFE DRINKING WATER BOND ACT/STATE REVOLVING FUND DATA (Continued)
Account 100.1 - Utility Plant in Service (funded by SDWBA/SRF)**

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		I. INTANGIBLE PLANT					
2	301	Organization					\$ -
3	302	Franchises and Consents					\$ -
4	303	Other Intangible Plant					\$ -
5		Total Intangible Plant	\$ -	\$ -	\$ -	\$ -	\$ -
6							
7		II. LANDED CAPITAL					
8	306	Land and Land Rights					\$ -
9							
10		III. SOURCE OF SUPPLY PLANT					
11	311	Structures and Improvements	21,303				\$ 21,303
12	312	Collecting and Impounding Reservoirs	185,070				\$ 185,070
13	313	Lake, River and Other Intakes					\$ -
14	314	Springs and Tunnels					\$ -
15	315	Wells					\$ -
16	316	Supply Mains					\$ -
17	317	Other Source of Supply Plant					\$ -
18		Total Source of Supply Plant	\$ 206,373	\$ -	\$ -	\$ -	\$ 206,373
19							
20		IV. PUMPING PLANT					
21	321	Structures and Improvements					\$ -
22	322	Boiler Plant Equipment					\$ -
23	323	Other Power Production Equipment					\$ -
24	324	Pumping Equipment	16,502				\$ 16,502
25	325	Other Pumping Plant					\$ -
26		Total Pumping Plant	\$ 16,502	\$ -	\$ -	\$ -	\$ 16,502
27							
28		V. WATER TREATMENT PLANT					
29	331	Structures and Improvements					\$ -
30	332	Water Treatment Equipment	124,714				\$ 124,714
31		Total Water Treatment Plant	\$ 124,714	\$ -	\$ -	\$ -	\$ 124,714
32							
33		VI. TRANSMISSION AND DIST. PLANT					
34	341	Structures and Improvements					\$ -
35	342	Reservoirs and Tanks					\$ -
36	343	Transmission and Distribution Mains	67,713				\$ 67,713
37	344	Fire Mains					\$ -
38	345	Services					\$ -
39	346	Meters					\$ -
40	347	Meter Installations					\$ -
41	348	Hydrants					\$ -
42	349	Other Transmission and Distribution Plant					\$ -
43		Total Transmission and Distribution Plant	\$ 67,713	\$ -	\$ -	\$ -	\$ 67,713

**SCHEDULE E-5
FOR ALL WATER COMPANIES
SAFE DRINKING WATER BOND ACT/STATE REVOLVING FUND DATA (Continued)
Account 100.1 - Utility Plant in Service (funded by SDWBA/SRF)**

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)
44		VII. GENERAL PLANT					
45	371	Structures and Improvements					\$ -
46	372	Office Furniture and Equipment					\$ -
47	373	Transportation Equipment					\$ -
48	374	Stores Equipment					\$ -
49	375	Laboratory Equipment					\$ -
50	376	Communication Equipment					\$ -
51	377	Power Operated Equipment					\$ -
52	378	Tools, Shop and Garage Equipment					\$ -
53	379	Other General Plant					\$ -
54		Total General Plant	\$ -	\$ -	\$ -	\$ -	\$ -
55							
56		VIII. UNDISTRIBUTED ITEMS					
57	390	Other Tangible Property					\$ -
58	391	Utility Plant Purchased					\$ -
59	392	Utility Plant Sold					\$ -
60		Total Undistributed Items	\$ -	\$ -	\$ -	\$ -	\$ -
61		Total Utility Plant in Service	\$ 415,302	\$ -	\$ -	\$ -	\$ 415,302

Account 101 - Recycled Water Utility Plant (funded by SDWBA/SRF)

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	393	Recycled Water Intangible Plant					\$ -
2	394	Recycled Water Land and Land Rights					\$ -
3	395	Recycled Water Depreciable Plant					\$ -
4		Total Recycled Water Utility Plant	\$ -	\$ -	\$ -	\$ -	\$ -

SCHEDULE E-6 FACILITIES FEES DATA

Please provide the following information relating to Facilities Fees for districts or subsidiaries servicing 2,000 or fewer connections for the calendar year. (Per D.91-04-068)

1. Trust Account Information:

Bank Name: N/A
 Address: _____
 Account Number: _____
 Date Opened: _____

2. Facilities Fees collected for new connections during the calendar year:

A. Commercial

NAME	AMOUNT
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____

B. Residential

NAME	AMOUNT
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____

3. Summary of the bank account activities showing:

	AMOUNT
Balance at beginning of year	\$ _____
Deposits during the year	\$ _____
Interest earned for calendar year	\$ _____
Withdrawals from this account	\$ _____
Balance at end of year	\$ _____ -

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

DECLARATION

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

I, the undersigned Richard C. Svindland
Officer, Partner, or Owner (Please Print)

of California-American Water Company
Name of Utility

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, 2017, through December 31, 2017.

President
Title (Please Print)


Signature

619 446-4761
Telephone Number

5/31/18
Date

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Additional Attachments

California American Water
GO 103A Customer Service Performance Measures
 Companywide Information 2017

Performance Standards	Performance Measure	2017
Telephone Performance		
Total Calls Received		169,879
Total Calls Answered in 30 seconds		149,857
% of Calls Answered in 30 seconds	≥ 80%	88%
Total Abandoned Calls		20,022
% Abandoned Call Rate	≤ 5%	12%
Billing		
Total Bills Rendered		2,153,762
Total Bills Rendered in 7 days		2,098,660
% Bills Rendered in 7 days	≥ 99%	97%
Total Inaccurate Bills		27,751
% of Inaccurate Bills	≤ 3%	1.29%
Total Payments Posted		1,880,583
Total Errored Payments		6,374
% Payment Posting Error	≤ 1%	0.34%
Total Number of Final Bills		23,690
Final Bills Issued after 14 days		2,772
% Final Read and Final Bil Issued after 14 days	≤ 14 Days	12%
Meter Reading		
Total Scheduled Actual Meter Reads		2,074,583
Total Estimated Meter Reads		25,234
% Scheduled Meters not Read	≤ 3%	0.96%
Work Order Completion		
% Total Customer Met Appointments	≥ 95%	96%
% Total Missed Customer Appointments	≤ 5%	3%
Total Scheduled Work Orders Customer Requested		86,147
Total Completed Work Orders as Scheduled		82,359
Total Incomplete /Canceled Work Orders		3,788
% Customer Work Orders not Completed	≤ 5%	4.00%
Customer/Regulatory Complaints		
Total Number of Customers		177,521
# of CAB Formal and Informal Complaints		51
% Rate of Complaints to CAB	≤ .1%	0.03%

2017 California American Water Non-Revenue Water Update

The following provides California American Water's (Cal-Am'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 was a part of the 2010 GRC. This 2017 update provided in writing consistent with last year's update.

Reduction Efforts / Activities as of December 2017:

State

- Continuation in the use of the American Water Works Association (AWWA) Water Audit Software: Cal-Am 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. Cal-Am 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), as well as "inactive with consumption" accounts (real 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

- Ventura: The pilot program implemented in 2016 that retrofitted 1,288 customers, 1,199 residential and 89 commercial, with Advanced Metering Infrastructure (AMI) technology is still in place. An average of one per week, "continuous use" indicators have triggered an investigation to determine the cause of the continuous use (apparent losses.)
- Ventura: Evaluation of the top residential users in 2016 to determine drought compliance and non-surfacing leaks by placing real-time meter flow devices or using data logs was concluded. Each home was checked on two occasions. It was determined that 87% of these users were not in compliance with drought restrictions and/or had continuous use indicating a leak (real and apparent losses.)
- Ventura: Valor Analytics worked with the district in 2017 to study whether meters showing signs of declining consumption will fail a meter test and whether meters showing signs of continuous consumption meant a leak was occurring. Initial results indicate Ventura had over a 50% hit rate on meters flagged for declining consumption. These meters flagged for decreasing consumption tested slow 50% of the time. Meters showing signs of continuous consumption were either addressed by conservation staff to help the customer determine whether they had a leak or were preemptively addressed by the customer (they realized faucet was dripping or saw usage

in portal and took measures to fix, etc.) and no action was needed by our staff (real and apparent losses.)

- LA: Implementation of the pilot leak program in the Los Angeles District's Duarte system continues. Using pressure zone containment, satellite imagery leak detection and continuous acoustic monitoring. In 2017, 40 non-surfacing leaks were discovered, using these technologies. The satellite technology generated 56 points of interest (POI's), all of which were investigated. This resulted in the discovery of 36 leaks. The acoustic monitoring generated 8 POI's, all of which were investigated. This resulted in the discovery of 4 leaks. (Real losses).

Coastal Division

- Continued an Advanced Metering Infrastructure (AMI) project that began in 2014 with 200 customers converted to AMI providing the ability to monitor water usage on a daily basis, including leak alerts when usage exceeds a predetermined daily limit, reducing the need to adjust customer bills and avoiding waste.
- Main Line Replacement – Cal-Am continued its main replacement project in Seaside area, Carmel Valley, Carmel-by-the Sea, and City of Pacific Grove. Cal-Am continues an aggressive main replacement program using its comprehensive planning study documents to target leak prone areas across the service territory. Service Line Replacement – All Polybutylene services have now been replaced, and the focus has turned to galvanized service lines, which also have a high leak rate when compared to copper or HPDE.
- Regulating and Altitude Valve Repair and Replacement – This effort continued through 2017.
- Unauthorized Consumption – Cal-Am, 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 2017.

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 Cal-Am 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 regularly verified at all production sites and are replaced where needed to assure continued accuracy.

Planned 2018-2019

- All Districts: Continuation of all the above activities.
- All Districts: Continuation of all IPs listed in the original document as approved in the 2015-17 GRC (real losses).
- California American Water made a request in its pending general rate case (A.16-07-002) to implement AMI in certain districts. If approved in part or in full, California American Water believes that this investment should provide benefits associated with non-revenue water. Or the investment will be part of the company's plan prospectively to address NRW.

- 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, Seaside, and City of Pacific Grove that will target the replacement of leak prone water mains to reduce real losses.
- Monterey: SCADA Improvement – The Monterey SCADA system improvement project completed in 2016. This project has improved communication with remote site(s) and allow better control of facilities via cellular modems.

Long Term Plans

- LA: The eventual retirement of Duarte/Bradbury Irrigation System, within the 2015-2017 rate cycle, will reduce undetected non-surfacing leakage and 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 VFDs 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.