

Received _____

Examined _____

CLASS A
WATER UTILITIES

U# _____

2018
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, 2018

REPORT MUST BE FILED NO LATER THAN MARCH 31, 2019

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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, 2019**, 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, 2018, through December 31, 2018. 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 2018

Name of Utility: California-American Water

Telephone: 619-446-4761

Person Responsible for this Report: Richard Svindland

	<u>1/1/2018</u>	<u>12/31/2018</u>	<u>Average</u>
UTILITY PLANT DATA			
1 Total Utility Plant	\$ 1,094,733,480	\$ 1,168,686,788	\$ 1,131,710,134
2 Total Utility Plant Reserves	(330,151,081)	(345,338,510)	(337,744,796)
3 Total Utility Plant Less Reserves	764,582,399	823,348,278	793,965,338
4 Advances for Construction	17,358,731	20,637,652	18,998,192
5 Contributions in Aid of Construction	65,819,874	67,448,373	66,634,123
6 Total Accumulated Deferred Taxes	82,898,486	93,314,986	88,106,736
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	77,319,926	85,089,953	81,204,940
14 Total Capital Stock	364,542,905	415,267,170	389,905,038
15 Total Proprietary Capital (Individual or Partnership)	-	-	-
16 Total Long-Term Debt	273,719,811	358,697,048	316,208,430

INCOME, EXPENSES, AND OTHER DATA

Calendar Year 2018

Name of Utility: California-American Water

Telephone: 619-446-4761

	Annual Amount
INCOME/EXPENSES DATA	
1 Operating Revenues	\$ 218,296,426
2 Operating Expenses	\$ 131,435,610
3 Depreciation - and Amortization	\$ 26,577,851
4 Taxes	\$ 20,533,232
5 Income from Nonutility Operations (net)	\$ 1,701,622
6 Interest on Long-Term Debt	\$ 18,219,726
7 Net Income	\$ 33,046,925
8	
OPERATING EXPENSES DATA	
10 Source of Supply Expense	\$ 53,313,040
11 Pumping Expenses	\$ 8,639,524
12 Water Treatment Expenses	\$ 4,975,544
13 Transmission and Distribution Expenses	\$ 10,899,193
14 Customer Account Expenses	\$ 2,280,137
15 Sales Expenses	\$ -
16 Recycled Water Expenses	\$ -
17 Administrative and General Expenses	\$ 19,269,453
18 Miscellaneous	\$ 32,058,719
19 Total Operating Expenses	\$ 131,435,610
20	

			Annual Average
21 OTHER DATA			
22			
23 <u>Active Service Connections</u>	(Exc. Fire Protect.)	Jan. 1	Dec. 31
24			
25 Metered Service Connections		171,682	172,481
26 Flat Rate Service Connections		18,188	18,421
27 Total Active Service Connections		189,870	190,902
			172,082
			18,305
			190,386

UTILITY PLANT AND CAPITALIZATION DATA

Adjusted to Exclude Non-Regulated Activity

Calendar Year 2018

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

Person Responsible for this Report: Richard Svindland

	<u>1/1/2018</u>	<u>12/31/2018</u>	<u>Average</u>
UTILITY PLANT DATA			
1 Total Utility Plant	\$ 1,094,733,480	\$ 1,168,686,788	\$ 1,131,710,134
2 Total Utility Plant Reserves	(330,151,081)	(345,338,510)	\$ (337,744,795)
3 Total Utility Plant Less Reserves	764,582,399	823,348,278	\$ 793,965,339
4 Advances for Construction	17,358,731	20,637,652	\$ 18,998,192
5 Contributions in Aid of Construction	65,819,874	67,448,373	\$ 66,634,123
6 Total Accumulated Deferred Taxes	82,898,486	93,314,986	\$ 88,106,736
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	77,319,926	85,089,953	\$ 81,204,940
14 Total Capital Stock	364,542,905	415,267,170	\$ 389,905,038
15 Total Proprietary Capital (Individual or Partnership)	-	-	\$ -
16 Total Long-Term Debt	273,719,811	358,697,048	\$ 316,208,430

INCOME, EXPENSES, AND OTHER DATA
Adjusted to Exclude Non-Regulated Activity
 Calendar Year 2018

Name of Utility: California-American Water

Telephone: 619-446-4761

			Annual Amount
INCOME/EXPENSES DATA			
1	Operating Revenues		\$ 218,193,143
2	Operating Expenses		\$ 131,435,610
3	Depreciation		\$ 26,577,851
4	Taxes		\$ 20,511,543
5	Income from Nonutility Operations (net)		\$ 1,701,622
6	Interest on Long-Term Debt		\$ 18,219,726
7	Net Income		\$ 33,046,925
8			
9	OPERATING EXPENSES DATA		
10	Source of Supply Expense		\$ 53,313,040
11	Pumping Expenses		\$ 8,639,524
12	Water Treatment Expenses		\$ 4,975,544
13	Transmission and Distribution Expenses		\$ 10,899,193
14	Customer Account Expenses		\$ 2,280,137
15	Sales Expenses		\$ -
16	Recycled Water Expenses		\$ -
17	Administrative and General Expenses		\$ 19,269,453
18	Miscellaneous		\$ 32,058,719
19	Total Operating Expenses		\$ 131,435,610
20			
21	OTHER DATA		
22			
23	<u>Active Service Connections</u>	(Exc. Fire Protect.)_____	Annual Average
24			
25	Metered Service Connections		172,082
26	Flat Rate Service Connections		18,305
27	Total Active Service Connections		190,386

	Jan. 1	Dec. 31	Annual Average
171,682	171,682	172,481	172,082
18,188	18,188	18,421	18,305
189,870	189,870	190,902	190,386

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 \$103,283
2	is the non-tariffed activity as referenced in Excess Capacity Schedule
3	
4	Taxes, Federal Corporate Income Tax, Account Number 507, Dollar Amount \$21,689
5	represents tax effect of reduction of non-tariffed revenues described above.
6	
7	
8	
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10	
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15	
16	
17	
18	
19	
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 2018:

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 Projects¹

<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	(50,311.92)	(15,093.58)
Sprint United Management Co. (1)	Passive	(24,035.44)	(7,210.63)
Sprint (f/k/a Clear Wireless) (1)	Passive	(10,000.00)	(3,000.00)
*Verizon Wireless (1)	Passive	(47,018.12)	(14,105.44)
Silke Communications(1)	Passive	(7,200.00)	(2,160.00)
Conterra Ultra Broadband LLC (1)	Passive	(4,200.00)	(1,260.00)
*Real Property Leases	Passive	(4,781.24)	(1,434.37)
Total Antenna & Real Property Leases		(147,546.72)	(44,264.02)

ATTACHMENT A

2018 ANNUAL REPORT OF NTP&S PROJECTS

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

I. Descriptions of NTP&S Activities:

A. Antenna Leases/License Agreements and Real Property Lease. During calendar year 2018, CAWC had a total of six (6) antenna leases/license agreements with six (6) different carriers for various locations in its San Diego, 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. CAWC also had one (1) real property lease in its Monterey District.

B. Operation and Maintenance Agreements. During calendar year 2018, CAWC had no operation and maintenance (“O&M”) agreements.

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. Notice of the real property lease was provided to the Commission on June 7, 2018. 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:

A. Antenna Leases/License Agreements and Real Property Lease. 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. The real property lease was limited to one site. No other regulated assets were used for these agreements. No CAWC personnel provided services for these agreements.

B. Operation and Maintenance Contract. During calendar year 2018, CAWC had no O&M 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:
1 Water Street, Camden, NJ 08102
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:
- | | | |
|-------------------------------------|---------------------------------|--|
| <input type="checkbox"/> | Individual (name of owner) | _____ |
| <input type="checkbox"/> | Partnership (name of partner) | _____ |
| <input type="checkbox"/> | Partnership (name of partner) | _____ |
| <input type="checkbox"/> | Partnership (name of partner) | _____ |
| <input checked="" type="checkbox"/> | Corporation (corporate name) | <u>California-American Water Company</u> |
| | Organized under laws of (state) | <u>California</u> Date: <u>12/7/1965</u> |

Principal Officers: Current as of May 13, 2019

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 and Assistant Secretary</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: <u>Stephen Wesley Owens</u>	Title: <u>Assistant Treasurer</u>
Name: <u>Stacey Fulter</u>	Title: <u>Assistant Treasurer</u>

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: _____ | Date: _____ |
| Name: _____ | Date: _____ |
| 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	7/1/2020	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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		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)									
Magretto, 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						
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			

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		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
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			
Reynos, 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	1,168,686,788	1,091,095,874
3	101	Recycled Water Utility Plant	A-1b	-	-
4	107	Utility Plant Adjustments	A-2	-	3,637,606
5		Total Utility Plant		\$ 1,168,686,788	\$ 1,094,733,480
6	250	Reserve for depreciation of utility plant	A-5	(343,009,224)	(328,003,186)
7	251	Reserve for amortization of limited term utility investments	A-5	(53,243)	(14,333)
8	252	Reserve for amortization of utility plant acquisition adjustments	A-5	(2,276,043)	(2,133,562)
9	259	Reserve for depreciation and amortization of recycled water utility plant	A-5	-	-
10		Total utility plant reserves		\$ (345,338,510)	\$ (330,151,081)
11		Total utility plant less reserves		\$ 823,348,278	\$ 764,582,399
12					
13		II. INVESTMENT AND FUND ACCOUNTS			
14	110	Other Physical Property	A-3	1,886,464	1,852,211
15	253	Reserve for depreciation and amortization of other property	A-5	(73,328)	(71,758)
16		Other physical property less reserve		\$ 1,813,136	\$ 1,780,453
17	111	Investments in Affiliated Companies	A-6	-	-
18	112	Other Investments	A-7	1,787,735	1,787,735
19	113	Sinking Funds	A-8	-	-
20	114	Miscellaneous Special Funds	A-9	-	-
21		Total investments and fund accounts		\$ 3,600,871	\$ 3,568,188
22					
23		III. CURRENT AND ACCRUED ASSETS			
24	120	Cash	A-10	786,276	137,671
25	121	Special Deposits	A-11	73,350	73,350
26	122	Working Funds	A-12	2,061	2,552
27	123	Temporary Cash Investments	A-13	-	-
28	124	Notes Receivable	A-14	-	-
29	125	Accounts Receivable	A-15	18,100,152	17,488,138
30	126	Receivables from Affiliated Companies	A-16	(5,871,413)	4,593,964
31	131	Materials and Supplies	A-17	905,478	961,609
32	132	Prepayments	A-18	1,331,621	2,338,360
33	133	Other Current and Accrued Assets	A-19	8,308,015	7,060,066
34		Total Current and Accrued Assets		\$ 23,635,540	\$ 32,655,710
35					
36		IV. DEFERRED DEBITS			
37	140	Unamortized Debt Discount and Expense	A-20	3,233,110	2,695,754
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	276,233,077	290,337,313
43	147	Accumulated Deferred Income Tax Assets	A-27	-	-
44		Total Deferred Debits		\$ 279,466,187	\$ 293,033,067
45		Total Assets and Other Debits		\$ 1,130,050,876	\$ 1,093,839,364

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	237,699,303	194,745,065
55	271	Earned Surplus	A-35	85,089,953	77,319,926
56		Total Capital Stock		\$ 415,267,170	364,542,905
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	358,697,048	273,719,811
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		\$ 358,697,048	273,719,811
69					
70		IV. CURRENT AND ACCRUED LIABILITIES			
71	220	Notes Payable	A-43	50,686,636	96,518,451
72	221	Notes Receivable Discounted	A-44	-	-
73	222	Accounts Payable	A-45	12,701,502	28,187,282
74	223	Payables to Affiliated Companies	A-46	(160,300)	1,045,879
75	224	Dividends Declared	A-47	-	-
76	225	Matured Long-Term Debt	A-48	3,470	52,302,805
77	226	Matured Interest	A-49	-	-
78	227	Customers' Deposits	A-50	-	-
79	228	Taxes Accrued	A-53	(769,870)	5,671,290
80	229	Interest Accrued	A-51	3,765,151	2,508,087
81	230	Other Current and Accrued Liabilities	A-52	21,122,283	20,348,361
82		Total Current and Accrued Liabilities		\$ 87,348,872	206,582,155
83					
84		V. DEFERRED CREDITS			
85	240	Unamortized Premium on Debt	A-21	-	-
86	241	Advances for Construction	A-54	20,637,652	17,358,731
87	242	Other Deferred Credits	A-55	85,710,447	81,286,482
88		Total Deferred Credits		\$ 106,348,099	98,645,213
		VI. ACCUMULATED DEFERRED TAXES			
	266	Accumulated Deferred Income Taxes - Accelerated Tax Depreciation	A-58	-	-
	267	Accumulated Deferred Income Taxes - Other	A-59	93,037,146	82,538,859
	268	Accumulated Deferred Investment Tax Credits	A-60	277,840	359,627
		Total Accumulated Deferred Taxes		\$ 93,314,986	82,898,486
89					
90		VII. RESERVES			
91	254	Reserve for Uncollectible Accounts	A-56	1,333,776	1,108,506
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	292,553	522,414
96		Total Reserves		\$ 1,626,329	1,630,920
97					
98		VIII. CONTRIBUTIONS IN AID OF CONSTRUCTION			
99	265	Contributions in Aid of Construction	A-57	67,448,373	65,819,874
100		Total Liabilities and Other Credits		\$ 1,130,050,876	1,093,839,364

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	218,296,426
3				
4		Operating Revenue Deductions:		
5	502	Operating Expenses	B-2	131,435,610
6	503	Depreciation	A-5	23,586,579
7	504	Amortization of Limited-term Utility Investments	A-5	2,848,791
8	505	Amortization of Utility Plant Acquisition Adjustments	A-5	142,481
9	506	Property Losses Chargeable to Operations	B-3	-
10	507	Taxes	B-4	20,533,232
11		Total Operating Revenue Deductions		\$ 178,546,693
12		Net Operating Revenues		\$ 39,749,734
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		\$ 39,749,734
16				
17		II. OTHER INCOME		
18	521	Income from Nonutility Operations (Net)	B-8	(22,349)
19	522	Revenue from Lease of Other Physical Property	B-9	103,283
20	523	Dividend Revenues	B-10	-
21	524	Interest Revenues	B-11	2,548,878
22	525	Revenues from Sinking and Other Funds	B-12	-
23	526	Miscellaneous Nonoperating Revenues	B-13	283,412
24	527	Nonoperating Revenue Deductions	B-14	(369,749)
25		Total Other Income		\$ 2,543,475
26		Net Income before Income Deductions		\$ 42,293,209
27				
28		III. INCOME DEDUCTIONS		
29	530	Interest on Long-term Debt	B-15	18,219,726
30	531	Amortization of Debt Discount and Expense	B-16	556,976
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	1,183,553
34	535	Other Interest Charges	B-20	1,914
35	536	Interest Charged to Construction - Cr.	B-21	(10,998,848)
36	537	Miscellaneous Amortization	B-22	-
37	538	Miscellaneous Income Deductions	B-23	2,185,697
38		Total Income Deductions		\$ 11,149,018
39		Net Income		\$ 31,144,191
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		1,902,734
44		Balance transferred to Earned Surplus or		\$ 33,046,925
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)	930,551,140	55,575,916	(9,971,129)	(10,625)	\$ 976,145,301
2	100.2	Utility Plant Leased to Others					\$ -
3	100.3	Construction Work in Progress	159,082,540	86,406,369		(58,032,977)	\$ 187,455,932
4	100.4	Utility Plant Held for Future Use	1,462,194				\$ 1,462,194
5	100.5	Utility Plant Acquisition Adjustments*				3,623,361	\$ 3,623,361
6	100.6	Utility Plant in Process of Reclassification					\$ -
7		Total utility plant	\$ 1,091,095,874	\$ 141,982,285	\$ (9,971,129)	\$ (54,420,241)	\$ 1,168,686,788

Other debits of \$3,623,361 represents presentation account reclassification for CPUC reporting purposes from 107 to 100.5

**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	73,391	-	1	\$ 2,406,366
5		Total Intangible Plant	\$ 2,914,489	\$ 73,391	\$ -	\$ 1	\$ 2,987,881
6							
7		II. LANDED CAPITAL					
8	306	Land and Land Rights	\$ 7,321,223	(23,781)	-	(10,624)	\$ 7,286,818
9							
10		III. SOURCE OF SUPPLY PLANT					
11	311	Structures and Improvements	12,157,771	365,881	(122,175)	-	\$ 12,401,477
12	312	Collecting and Impounding Reservoirs	2,412,751	20,930	-	-	\$ 2,433,681
13	313	Lake, River and Other Intakes	1,023,045	(388,820)	(271)	-	\$ 633,954
14	314	Springs and Tunnels		-	-	-	\$ -
15	315	Wells	39,588,555	5,917,729	(988,728)	-	\$ 44,517,556
16	316	Supply Mains	12,587,992	-	(6,050)	-	\$ 12,581,942
17	317	Other Source of Supply Plant	124,290	-	-	-	\$ 124,290
18		Total Source of Supply Plant	\$ 67,894,406	\$ 5,915,720	\$ (1,117,224)	\$ -	\$ 72,692,902
19							
20		IV. PUMPING PLANT					
21	321	Structures and Improvements	15,498,742	4,431,534	(162,940)	-	\$ 19,767,336
22	322	Boiler Plant Equipment		-	-	-	\$ -
23	323	Other Power Production Equipment	4,090,677	180,516	(34,676)	-	\$ 4,236,517
24	324	Pumping Equipment	67,825,627	4,319,907	(1,089,582)	-	\$ 71,055,952
25	325	Other Pumping Plant		-	-	-	\$ -
26		Total Pumping Plant	\$ 87,415,047	\$ 8,931,957	\$ (1,287,198)	\$ -	\$ 95,059,806
27							
28		V. WATER TREATMENT PLANT					
29	331	Structures and Improvements	19,901,570	1,310,453	(141,208)	-	\$ 21,070,815
30	332	Water Treatment Equipment	56,153,926	1,352,084	(157,345)	(2)	\$ 57,348,663
31		Total Water Treatment Plant	\$ 76,055,496	\$ 2,662,537	\$ (298,553)	\$ (2)	\$ 78,419,478

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)
VI. TRANSMISSION AND DIST. PLANT							
32	341	Structures and Improvements	2,789,505	291,253	(12,970)	-	\$ 3,067,788
34	342	Reservoirs and Tanks	78,542,789	7,566,265	(479,424)	-	\$ 85,629,630
35	343	Transmission and Distribution Mains	314,390,078	11,229,235	(259,497)	-	\$ 325,359,816
36	344	Fire Mains	151,374	-	-	-	\$ 151,374
37	345	Services	117,928,539	6,085,889	(532,900)	-	\$ 123,481,528
38	346	Meters	43,364,336	5,016,712	(1,799,524)	-	\$ 46,581,524
39	347	Meter Installations	34,637,475	40,112	(460)	-	\$ 34,677,127
40	348	Hydrants	29,254,208	1,075,253	(100,273)	-	\$ 30,229,188
41	349	Other Transmission and Distribution Plant	2,140,690	-	-	-	\$ 2,140,690
42		Total Transmission and Distribution Plant	\$ 623,198,996	\$ 31,304,719	\$ (3,185,048)	\$ -	\$ 651,318,667
VII. GENERAL PLANT							
45	371	Structures and Improvements	11,700,737	535,018	(143,731)	-	\$ 12,092,024
46	372	Office Furniture and Equipment	29,078,488	2,970,757	(3,456,475)	-	\$ 28,592,770
47	373	Transportation Equipment	1,134,882	95,991	(53,838)	-	\$ 1,177,036
48	374	Stores Equipment	15,953	-	(1,342)	-	\$ 14,611
49	375	Laboratory Equipment	335,578	2,202	-	-	\$ 337,780
50	376	Communication Equipment	17,333,773	1,603,521	(155,012)	-	\$ 18,782,283
51	377	Power Operated Equipment	1,572,322	32,992	(68,373)	-	\$ 1,536,941
52	378	Tools, Shop and Garage Equipment	1,925,620	64,164	(5,922)	-	\$ 1,983,862
53	379	Other General Plant	2,110,549	1,406,728	(197,920)	-	\$ 3,319,357
54		Total General Plant	\$ 65,207,904	\$ 6,711,373	\$ (4,082,613)	\$ -	\$ 67,836,663
VIII. UNDISTRIBUTED ITEMS							
57	390	Other Tangible Property	543,579	-	(493)	-	\$ 543,087
58	391	Utility Plant Purchased	-	-	-	-	\$ -
59	392	Utility Plant Sold	-	-	-	-	\$ -
60		Total Undistributed Items	\$ 543,579	\$ -	\$ (493)	\$ -	\$ 543,087
61		Total Utility Plant in Service	\$ 930,551,140	\$ 55,575,916	\$ (9,971,129)	\$ (10,625)	\$ 976,145,301

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	3,522
(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>293,133</u>
Larkfield		None				-
San Diego		None				-
Meadowbrook		None				-
Total All Districts						<u>418,180</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 Well 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	
2	Citizens	3,206,320	
3	Project 05400 - CVMWC	36,335	
4	Project 05510	79,497	
5	Toro	260,175	
6	Total - ending balance is accounted for on schedule A-1 Account 100.5	\$ 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	1,747,701	1,781,954
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	\$ 1,852,211	\$ 1,886,464

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
054005	Saucito Reservoir	1835355	8,869
054005	Scarlett Well Site	1835353	15,000
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
055005	Guess Plant	1835412	1,694
055005	Vernon Well #2 .165 Acre lot	1835411	2,000
055005	Oak Knoll Circle Plant	1835409	6,930
055105	Village Well #4 - Land	2652019	45
055105	Orbis Well #10 - Land	2652017	240
055105	Orbis Well #4 - Land	2652016	240
055105	Orbis Well #41 - Land	2652018	225

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 Cmwealth 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			1,781,954

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 12/31/2018 (b)	Balance 1/1/2018 (c)
		RATE BASE		
1		Utility Plant		
2		Plant in Service	950,626,709	904,206,022
3		Construction Work in Progress	179,487,158	153,485,258
4		General Office Prorate - CA-AM Advice Letter CWIP and Walerga	(98,047,886)	(113,057,444)
5		Total Gross Plant (=Line 2 + Line 3 + Line 4)	\$ 1,032,065,981	944,633,836
6		Less Accumulated Depreciation		
7		Plant in Service	(336,588,276)	(321,850,160)
8		General Office Prorate		
9		Total Accumulated Depreciation (=Line 7 + Line 8)	\$ (336,588,276)	(321,850,160)
10		Less Other Reserves		
11		Deferred Income Taxes	46,610,450	65,336,474
12		Deferred Investment Tax Credit	277,840	359,627
13		Other Reserves	24,587,026	64,593,777
14		Total Other Reserves (=Line 11 + Line 12 + Line 13)	\$ 71,475,316	130,289,878
15		Less Adjustments		
16		Contributions in Aid of Construction	67,301,833	66,058,809
		Contributions in Aid of Construction (20 year amortization and Walerga)	216,314	428,714
17		Advances for Construction	21,419,631	18,140,710
		Advances for Construction (20 year amortization)	4,414,500	5,045,100
18		Other		
19		Total Adjustments (=Line 16 + Line 17 + Line 18)	\$ 93,352,278	89,673,333
20		Add Materials and Supplies	\$ 905,478	961,609
21		Add Working Cash (=Line 34)	26,319,048	25,656,664
22		TOTAL RATE BASE		
23		(=Line 5 - Line 9 - Line 14 - Line 19 + Line 20 + Line 21)	\$ 1,231,051,190	1,073,139,057
		Working Cash		
24		Determination of Operational Cash Requirement		
25		Operating Expenses, Excluding Taxes, Depreciation & Uncollectible	\$ 130,363,920	\$ 127,232,636
26		Purchased Power & Commodity for Resale*	\$ 6,045,693	\$ 6,113,810
27		Meter Revenues: Bimonthly Billing	\$ 196,223,030	\$ 185,560,116
28		Other Revenues: Flat Rate Monthly Billing	\$ 3,084,877	\$ 3,029,569
29		Total Revenues (=Line 27 + Line 28)	\$ 199,307,907	\$ 188,589,685
30		Ratio - Flat Rate to Total Revenues (=Line 28 / Line 29)	0.0155	0.0161
31		5/24 x Line 25 x (100% - Line 30)	26,738,782	26,080,985
32		1/24 x Line 25 x Line 30	84,074	85,163
33		1/12 x Line 26	503,808	509,484
34		Operational Cash Requirement (=Line 31 + Line 32 - Line 33)	\$ 26,319,048	\$ 25,656,664
		* 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	\$ 328,003,186	\$ 14,333	\$ 2,133,562	\$ 71,758	
2	Add: Credits to reserves during year					
3	(a) Charged to Account 503 ⁽¹⁾	23,585,013			1,566	
	(b) Charged to Account 504 ⁽¹⁾	2,172	2,848,791			
	(c) Charged to Account 505 ⁽¹⁾	-		142,481		
4	(d) Charged to Account 265	1,972,540				
5	(e) Charged to clearing accounts	293,624				
6	(f) Salvage recovered	65,901				
7	(g) All other credits ⁽²⁾	2,202,397	37,910		4	
8	Total credits	\$ 28,121,647	\$ 2,886,701	\$ 142,481	\$ 1,570	\$ -
9	Deduct: Debits to reserves during year					
10	(a) Book cost of property retired	(9,971,130)				
11	(b) Cost of removal	(3,144,479)				
12	(c) All other debits ⁽³⁾		(2,847,791)			
13	Total debits	\$ (13,115,609)	\$ (2,847,791)	\$ -	\$ -	\$ -
14	Balance in reserve at end of year	\$ 343,009,224	\$ 53,243	\$ 2,276,043	\$ 73,328	\$ -
15						
16	(1) COMPOSITE DEPRECIATION RATE USED FOR STRAIGHT LINE REMAINING LIFE:				2.60%	
17						
18	(2) EXPLANATION OF ALL OTHER CREDITS:					
19	charged to clearing accounts in the amount of \$293,624 represents Deferred Depreciation and Chromium 6					
20	offset in Account 242					
21	Other credits to account 250 represents asset sale					
22	Other credits to account 251 represents reserved CWIP					
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	1,768,482	276,627	(122,175)	(85,874)	\$ 1,837,060
3	312	Collecting and Impounding Reservoirs	1,670,933	64,946	-	-	\$ 1,735,879
4	313	Lake, river and Other Intakes	457,644	31,203	(272)	(95)	\$ 488,480
5	314	Springs and Tunnels		-	-	-	\$ -
6	315	Wells	17,458,136	1,566,998	(988,728)	(96,515)	\$ 17,939,891
7	316	Supply Mains	3,200,881	259,375	(6,050)	-	\$ 3,454,206
8	317	Other Source of Supply Plant	89,850	4,486	-	-	\$ 94,336
9		Total Source of Supply Plant	\$ 24,645,925	\$ 2,203,635	\$ (1,117,225)	\$ (182,484)	\$ 25,549,851
10							
11		II. PUMPING PLANT					
12	321	Structures and Improvements	3,428,574	353,310	(162,941)	(222,497)	\$ 3,396,446
13	322	Boiler Plant Equipment		-	-	-	\$ -
14	323	Other Power Production Equipment	1,441,022	167,245	(34,676)	(5,965)	\$ 1,567,626
15	324	Pumping Equipment	26,030,813	2,705,362	(1,089,582)	(492,174)	\$ 27,154,419
16	325	Other Pumping Plant		-	-	-	\$ -
17		Total Pumping Plant	\$ 30,900,410	\$ 3,225,917	\$ (1,287,199)	\$ (720,636)	\$ 32,118,492
18							
19		III. WATER TREATMENT PLANT					
20	331	Structures and Improvements	8,299,640	375,069	(141,208)	(73,837)	\$ 8,459,664
21	332	Water Treatment Equipment	23,165,272	1,313,735	(157,345)	(52,451)	\$ 24,269,211
22		Total Water Treatment Plant	\$ 31,464,912	\$ 1,688,804	\$ (298,553)	\$ (126,288)	\$ 32,728,875
23							
24		IV. TRANS. AND DIST. PLANT					
25	341	Structures and Improvements	341,189	87,054	(12,970)	(6,810)	\$ 408,463
26	342	Reservoirs and Tanks	24,438,567	1,502,513	(479,424)	(286,872)	\$ 25,174,784
27	343	Transmission and Distribution Mains	106,673,474	5,992,317	(259,497)	(656,547)	\$ 111,749,747
28	344	Fire Mains	(22,372)	2,670	-	-	\$ (19,702)
29	345	Services	44,826,468	3,175,579	(532,900)	(795,736)	\$ 46,673,411
30	346	Meters	16,033,672	2,177,319	(1,799,524)	(31,007)	\$ 16,380,460
31	347	Meter Installations	12,332,511	1,786,610	(460)	(157,081)	\$ 13,961,580
32	348	Hydrants	11,394,651	687,429	(100,273)	(67,688)	\$ 11,914,119
33	349	Other Transmission and Distribution Plant	374,577	72,151	-	-	\$ 446,728
34		Total Transmission and Distribution Plant	\$ 216,392,736	\$ 15,483,642	\$ (3,185,048)	\$ (2,001,741)	\$ 226,689,589
35							
36		V. GENERAL PLANT					
37	371	Structures and Improvements	3,219,003	322,829	(143,731)	(18,364)	\$ 3,379,736
38	372	Office Furniture and Equipment	6,235,736	1,955,369	(3,456,474)	2,194,404	\$ 6,929,035
39	373	Transportation Equipment	567,562	28,719	(53,838)	(3,967)	\$ 538,476
40	374	Stores Equipment	9,992	314	(1,342)	-	\$ 8,964
41	375	Laboratory Equipment	191,843	12,720	-	-	\$ 204,563
42	376	Communication Equipment	10,607,170	660,736	(155,012)	(10,795)	\$ 11,102,099
43	377	Power Operated Equipment	1,149,771	35,802	(68,373)	-	\$ 1,117,200
44	378	Tools, Shop and Garage Equipment	840,320	61,720	(5,921)	-	\$ 896,119
45	379	Other General Plant	(2,432,224)	145,598	(197,920)	(6,306)	\$ (2,490,852)
46	390	Other Tangible Property	4,210,031	27,538	(493)	-	\$ 4,237,076
47	391	Water Plant Purchased					\$ -
48		Total General Plant	\$ 24,599,204	\$ 3,251,345	\$ (4,083,104)	\$ 2,154,972	\$ 25,922,417
49		Total	\$ 328,003,187	\$ 25,853,343	\$ (9,971,129)	\$ (876,177)	\$ 343,009,224

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	1,787,735	1,787,735
2			
3			
4			
5			
6			
7			
8			
9	Total	\$ 1,787,735	\$ 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	137,671	786,276
2			
3			
4			
5	Total	\$ 137,671	\$ 786,276

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			-	-
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	\$ 73,350	\$ 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	2,061
2			
3			
4			
5	Total	\$ 2,552	\$ 2,061

**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	16,416,152	15,913,083
2	125-2	Other Accounts Receivable	1,071,986	2,187,069
3				
4				
5	Total		\$ 17,488,138	\$ 18,100,152

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	8,136	3,150			
2	American Water Works Service Company	915,664	996,171			
3	American Water Works Company	3,363,487	(7,201,041)			
4	Miscellaneous Intercompany Clearing	306,677	330,307			
5						
6						
7						
8						
9						
10	Total	\$ 4,593,964	\$ (5,871,413)		\$ -	\$ -

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	961,609	905,478
2	131.2 Materials and Supplies - Other		
3			
4			
5	Total	\$ 961,609	\$ 905,478

SCHEDULE A-18
Account 132 - Prepayments

Line No.	Item (a)	Balance Beginning of Year (b)	Balance End of Year (c)
1	Prepaid Property Taxes	167,603	169,597
2	Prepaid Insurance	14,985	11,939
3	Prepaid Other	2,155,772	1,150,085
4			
5			
6			
7			
8			
9			
10	Total	\$ 2,338,360	\$ 1,331,621

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	6,577,169	7,372,618
2	Deferred Vacation Pay	482,897	935,397
3			
4			
5			
6			
7			
8			
9			
10	Total	\$ 7,060,066	\$ 8,308,015

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	14,145		(5,857)	\$ 8,288
2	Allstate Life Ins.- 9.22%	10,000,000	104,754	6/1/1991	6/1/2021	19,425		(5,693)	\$ 13,732
3	American United Life Ins. - 6.76%	10,000,000	50,953	12/1/1993	12/1/2023	14,405		(2,440)	\$ 11,965
4	Salkeid & Co. - 6.76%	10,000,000	56,021	12/1/1993	12/1/2033	28,835		(1,816)	\$ 27,019
5	State Life & American United Ins. - 7.33%	10,000,000	255,110	5/1/1996	5/1/2026	91,076		(10,953)	\$ 80,123
6	American Water Capital Corp. -5.62%	52,300,000	176,610	12/21/2006	12/21/2018	14,375		(14,375)	\$ -
7	American Water Capital Corp. -5.77%	75,700,000	267,484	12/21/2006	12/21/2021	71,008		(17,903)	\$ 53,105
8	American Water Capital Corp. -10%*	35,000,000	987,291	1/1/2018	12/31/2020	987,291		(329,097)	\$ 658,194
9	American Water Capital Corp. -5.25%	35,000,000	713,069	8/18/2010	8/1/2040	536,678		(23,825)	\$ 512,853
10	American Water Capital Corp. -3.85%	25,000,000	210,000	11/20/2013	3/1/2024	126,096		(20,463)	\$ 105,633
11	American Water Capital Corp. -1.60%	25,000,000	14,265	6/27/2014	10/15/2017	(291)		291	\$ -
12	American Water Capital Corp. -4.30%	30,000,000	314,674	8/13/2015	9/1/2045	289,690		(10,498)	\$ 279,192
13	American Water Capital Corp. -3.75%	25,000,000	259,907	8/10/2017	9/1/2047	256,649		(8,674)	\$ 247,975
14	American Water Capital Corp. -3.75%	5,940,000	61,736	8/10/2017	9/1/2047	60,980		(2,061)	\$ 58,919
15	American Water Capital Corp. -4.20%	85,000,000	884,554	8/9/2018	9/1/2048	-	884,554	(9,227)	\$ 875,327
16	Financing Fee		85,475	8/10/2017	9/1/2047	84,527		(2,844)	\$ 81,683
17	Revolver Fees		563,678			100,865	209,778	(91,541)	\$ 219,102
18	*Amortization of 10% series amortization is based on COC decision to amortize the remaining debt issuance at January 1, 2018 over a 3 year period								\$ -
19	the amount of \$987,291 in total discount and expense column (c) represents the unamortized balance at December 31, 2017								\$ -
20									\$ -
21						\$ 2,695,754	\$ 1,094,332	\$ (556,976)	\$ 3,233,110

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	290,337,313	276,233,077
2			
3			
4			
5			
6	Total	\$ 290,337,313	\$ 276,233,077

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	3,346,294	3,335,116
2	Reg Asset-AFUDC-Eq-CWIP	4,096,685	6,108,420
3	Reg Asset-AFUDC-Equity	589,455	589,455
4	Reg Asset-Other	(164,402)	(143,582)
5	Reg Asset-Accum Amortization	(415,869)	(432,122)
6	Programmed Maintance-Tank Painting	5,635,136	6,169,953
7	Deferred OPEB	5,493	46,004
8	Deferred Pension	190,363	(1,233)
9	FAS 112 Costs	-	-
10	Deferred Consulting Fees - Dunnigan	324,952	483,865
11	Enviromental Remediation Study-NOAA	5,500,000	4,858,928
12	Carmel River Mitigation	-	-
13	Sobranes Fire - Fuel Reduction	246,509	284,008
14	Cease & Desist Order Memo Account	4,540,287	5,111,210
15	Closing Costs - Geyserville	95,948	102,911
16	CIAC's Vintage - Method 5	220,221	219,480
17	Low Income Program	3,329,192	3,426,795
18	Catastophic Event	125,036	135,873
19	Old Monterey Style Water Revenue Adjustment Mechanism (WRAM)	960,700	982,075
20	San Clemente Dam AFUDC	89,220,285	85,125,754
21	San Clemente Dam Removal Costs	(882,129)	-
22	Funds Restricted for Construction - Garrapata SDWSRF	15,208	15,756
23	WRAM/MCBA	96,904,754	89,105,141
24	School Lead Testing	4,588	7,484
25	Rogue Creek System - Meadowbrook CIAC	575,000	-
26	Coastal Water Project	4,339,550	3,558,397
27	Seaside Groundwater Basin	-	-
28	Endangered Species Act (ESA)	567,755	1,738,395
29	Conservation/Rationing	2,766,053	496,518
30	Other Reg Asset	2,048,697	3,219,242
31	GAAP recording of EITF	(7,746,468)	(6,099,070)
32	Citizens Acquistion Purchase Premium-Net of Amortization	52,486,075	51,653,163
33	CIAC - Meadowbrook		575,000
34	Chromium 6		920,650
35	Deferred Charges - CAC GrossUp	1,095,342	1,074,472
36	Deferred Charges - CAC DIT	1,167,428	1,145,185
37	Sand City Desal Plant Pur Wtr Bal Acct	1,746,453	1,188,581
38	Reg Asset - Water Action Plan - Memo Acct	76,503	78,205
39	Other Long Term Asset	8,215,399	8,652,624
40	Authorized Balancing Account	9,110,820	2,500,424
41			
42	Total	290,337,313	276,233,077

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		25,068,817
2								
3								
4								
5								
6	Total				\$ 92,477,914	\$ 92,477,914		\$ 25,068,817

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	\$ 194,745,065
2	CREDITS (Give nature of each credit and state account charged)	
3	Employee Stock Purchase Program	63,101
4	Equity Infusion	42,461,000
5	Restricted Stock Units & Options	430,137
6	Total credits	\$ 42,954,238
7	DEBITS (Give nature of each debit and state account credited)	
8		
9		
10		
11	Total debits	\$ -
12	Balance end of year	\$ 237,699,303

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

Line No.	Acct	Account (a)	Amount (b)
1		Balance beginning of year	\$ 77,319,926
2		CREDITS	
3	400	Credit balance transferred from income account	33,046,926
4	401	Miscellaneous credits to surplus (specify)	
5		Change in Monterey Waste Water Retained Earnings	(250,901)
6		Change in Dunnigan Waste Water Retained Earnings	(177,357)
7		Total credits	\$ 32,618,668
8		DEBITS	
9	410	Debit balance transferred from income account - Monterey Waste Water	284,525
10	410	Debit balance transferred from income account - Dunnigan Waste Water	(64,192)
11	411	Dividend appropriations-preferred stock	
12	412	Dividend appropriations-Common stock	(25,068,817)
13	413	Miscellaneous reservations of surplus	
14	414	Miscellaneous debits to surplus (specify)	
15		Prior Period Adjustment	(157)
16		Total debits	\$ (24,848,641)
17		Balance end of year	\$ 85,089,953

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	06/01/1990	06/01/2020	6,000,000	6,000,000	6,000,000	9.71%		101,992	582,600	582,600
2	General Mortgage Bonds	06/01/1991	06/01/2021	10,000,000	10,000,000	10,000,000	9.22%		104,754	922,000	922,000
3	General Mortgage Bonds	12/01/1993	12/01/2023	10,000,000	10,000,000	10,000,000	6.76%		50,953	676,000	676,000
4	General Mortgage Bonds	12/01/1993	12/01/2033	10,000,000	10,000,000	10,000,000	6.76%		56,021	676,000	676,000
5	General Mortgage Bonds	05/01/1996	05/01/2026	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	-	-	5.62%		176,610	2,865,779	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	08/18/2010	08/01/2040	35,000,000	35,000,000	35,000,000	5.25%		713,069	1,837,500	1,837,500
9	Notes Payable to Affiliate*	11/20/2013	03/01/2024	25,000,000	25,000,000	25,000,000	3.85%		1,197,291	962,500	962,500
10	Debt Discount Related to 3.85% series				(59,834)	(50,131)				9,703	
11	Notes Payable to Affiliate	8/13/2015	09/01/2045	30,000,000	30,000,000	30,000,000	4.30%		314,674	1,290,000	1,290,000
12	Debt Discount Related to 4.30% series				(363,181)	(349,914)				13,267	
13	Notes Payable to Affiliate	12/7/2016	12/21/2021	31,500,000	31,500,000	31,500,000	2.29%			721,350	721,350
14	Notes Payable to Affiliate	8/10/2017	09/01/2047	25,000,000	25,000,000	25,000,000	3.75%		259,907	937,500	992,188
15	Notes Payable to Affiliate	8/10/2017	09/01/2047	5,940,000	5,940,000	5,940,000	3.75%		61,736	222,750	235,744
16	Debt Discount Related to 3.75% series				(93,929)	(90,759)				3,170	
17	Notes Payable to Affiliate	08/09/201	09/01/2048	85,000,000		85,000,000	4.20%		884,554	1,398,250	
18	Debt Discount Related to 4.20% series					(45,433)				468	
19	Water Facility Loan - Garrapata	04/01/201	02/28/2033		96,755	93,285	2.50%				2,474
20				Total	\$ 273,719,811	\$ 358,697,048		\$ -	\$ 4,444,155	\$ 18,219,727	\$ 16,938,506

* Notes payable to affiliate 3.85% series cost of issuance of \$1,197,291 represents \$210,000 current issuance costs plus \$987,291 unamortized amount remaining of the original \$1,415,996 issuance costs from the refinanced 10.00% issuance which will be amortized over a 3 year period beginning 1/1/2018.

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	96,518,451	50,686,636	NA		1,183,553
2								
3								
4								
5								
6								
7	Total			\$ 96,518,451	\$ 50,686,636		\$ -	\$ 1,183,553

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	13,679,871	4,970,352
2	AP - GRIR Capital Services	544,696	252,458
3	AP - Contract Retentions	429,660	40,000
4	AP - Miscellaneous	13,533,055	7,438,692
5	Total	\$ 28,187,282	\$ 12,701,502

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	1,048,694	624,890	NA	NA	NA
2	American Water Capital Corporation	(3,190)	107			
3	Miscellaneous Intercompany Clearing	375	(1,019,797)			
4	American Water Works Inc.,		234,500			
5						
6						
7	Total	\$ 1,045,879	\$ (160,300)		\$ -	\$ -

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	Water Facility Loan 2.50% - current portion	2,805	3,470
3			
4			
5	Total	\$ 52,302,805	\$ 3,470

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	2,508,087	3,765,151
2	229-2 Interest Accrued on Other Liabilities		
3			
4			
5	Total	\$ 2,508,087	\$ 3,765,151

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	482,897	935,397
2	Accrued Purchase Water	4,034,924	5,173,561
3	Accrued Purchase Power	444,609	414,911
4	Accrued Legal	98,679	119,559
5	Accrued Wages	1,064,007	1,172,787
6	Accrued Insurance, Retro Insurance Adjustment and Unfunded	942,216	752,011
7	Accrued Retire Medical	41,000	45,000
8	Accrued DCP Contribution	33,505	38,441
9	Accrued Bank Fees	50,590	34,244
10	Accrued Severance	670,000	
11	Accrued Payroll Withholding & Taxes	33,033	42,049
12	Accrued Employee 401K Match	24,571	33,524
13	Accrued Litigation	1,056,558	160,000
14	Unclaimed Credits	14,384	2,177
15	Unclaimed AP Checks	130,145	97,231
16	GRIR Capital Expenditures	1,402,079	689,597
17	Incentive Plan Cash Annual	2,245,697	1,982,309
18	NOAA Settlement - Current Portion	2,200,000	1,100,000
19	Collection For PUC Surcharges	723,474	674,836
20	Collection for Others - MPWMD User Fee	773,050	797,932
21	Collection For Other-Gross Recorded Tax	466,813	486,478
22	Collection For Other-Municipal Tax	1,824,477	1,913,597
23	Collection for Others	272	1,397
24	Collection For Others Miscellaneous	11,096	15,575
25	Other Current Liability Analyzed	1,580,285	1,779,796
26	Miscellaneous Deposits Payable		250
27	Refund Rates Under Bond		2,659,624
28	Total	\$ 20,348,361	\$ 21,122,283

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	(106,332)		4,856,573	4,835,626	102,657	17,272	
2	Taxes on real and personal property - prepaid		167,603	327,374	329,368			169,597
3	State corporation franchise tax	158,995		239,877	243,418		155,454	
4	State unemployment insurance tax	2		103,204	103,196		10	
5	Other state and local taxes	34,853		332,877	339,183		28,547	
6	Federal unemployment insurance tax			13,175	13,175		-	
7	Fed. ins. contr. act (old age retire.)	230,665		2,056,377	2,069,853		217,189	
8	Other federal taxes							
9	Federal income taxes	3,604,072		1,037,616	4,656,859	15,171	0	
10	State income taxes	1,749,034		30,569	2,968,393	447	(1,188,343)	
11	Licenses							
12	Miscellaneous							
13	Deferred Taxes & ITC			12,426,616		(12,426,616)	-	
14	Total	\$ 5,671,290	\$ 167,603	\$ 21,424,258	\$ 15,559,071	\$ (12,308,341)	\$ (769,870)	\$ 169,597

(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	17,358,731
2	Additions during year	4,031,033
3	Subtotal - Beginning balance plus additions during year	\$ 21,389,764
4	Charges during year	
5	Refunds:	
6	Percentage of revenue basis	
7	Proportionate cost basis	583,879
8	Present worth basis	
9	Total refunds	\$ 583,879
10	Transfers to Acct 265 - Contributions in Aid of Construction	
11	Due to expiration of contracts	168,233
12	Due to present worth discount	
13	Total transfers to Acct. 265	\$ 168,233
14	Securities Exchanged for Contracts (enter detail below)	
15	Subtotal - Charges during year	\$ 752,112
16	Balance end of year	\$ 20,637,652

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	Reg Liab-Exc Def FIT	66,072,245	68,305,615
2	Reg Liab-Deficit Def FIT	(10,101)	(5,325)
3	Reg Liab-Exc Def Depr SIT		
4	Reg Liab-ITC Gross-Up 10%	159,826	133,286
5	Reg Liab-ITC Gross-Up 6%	19,116	5,070
6	Reg Liab-Tax Cuts & Job Acts		6,293,232
7	Conservation Surcharge	23,140	23,140
8	Imperial Beach Lease	144,198	349,581
9	DCA-Accr Pension Def Benefit	(4,027,163)	(2,985,591)
10	Reg Liab- Pension Tracker	4,090,787	4,887,596
11	DCA-Accr OPEB	294,504	(233,188)
12	DCA-Accr OPEB Med Subsidy	670,463	724,569
13	Reg Liab - OPEB Tracker		1,019,798
14	MPWMD Conservation	87,570	-
15	Accr Div Equivalentents	29,484	41,890
16	Accr NOAA Settlement	3,300,000	2,200,000
17	Accr Long Term Liability Other	420,000	-
18	Reg Liab-CAC CP	1,103,374	1,042,765
19	Reg Liab - Interim Rates		823,196
20	Accrued 401K Restoration		1,742
21	Deferred Revenue - CAC	119,082	115,788
22	DCA-Def Rev CIAC	71,662	64,894
23	DCA-Def Rev CIAC FIT	8,133	29,542
24	DCA-Defined Compensation Plan	9,307	70,792
25	DCA-Tax Gross-Up AIC	1,204,479	1,392,944
26	DCA-Tax Gross-Up AIC FIT/SIT	(57,482)	(78,444)
27	DCA-Tax Gross-Up AIC SIT	(267)	(502)
28	Reg Liab-Affiliate Transfer Fee/Los Padres Dam Study	7,125,754	1,065,217
29	Reg Liability - Vintage CIAC's	294,171	293,182
30	DCN-Adv Pay & Dep Other	134,200	129,658
31			
32			
33			
34			
35			
36			
37	Total	\$ 81,286,482	\$ 85,710,447

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	1,108,506	Reserve Bad Debt	(159,227)		384,497	\$ 1,333,776
2	255						\$ -
3	256						\$ -
4	257						\$ -
5	258	522,414	FIN 48 Reserve	(309,227)		79,366	\$ 292,553
6							\$ -
7	Total	\$ 1,630,920		\$ (468,454)		\$ 463,863	\$ 1,626,329

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	\$ 65,819,874	1,725,073		63,859,538	235,263
2	Add: Credits to account during year					
3	Contributions received during year	\$ 3,336,526			3,336,526	
4	Other credits	\$ 562,098			562,098	
5	Total credits	\$ 3,898,624	\$ -	\$ -	\$ 3,898,624	\$ -
6	Deduct: Debits to account during year					
7	Depreciation charges for year	\$ (1,972,540)	(27,182)		(1,945,358)	
8	Nondepreciable donated property retired	\$ -				
9	Other debits	\$ (297,585)			(297,585)	
10	Total debits	\$ (2,270,125)	\$ (27,182)	\$ -	\$ (2,242,943)	\$ -
11	Balance end of year	\$ 67,448,373	\$ 1,697,891	\$ -	\$ 65,515,219	\$ 235,263

California - American Water Company
Schedule Attached to and Made as Part of
Annual Report to the Public Utilities Commission State of California
Schedule A-57
Account 265 - Contributions in Aid of Construction

Name	Amount of Grant Funds Received	Amount of Grant Funds spend during 2018	Description of plant constructed with Grant Funds
Arlington Well TCE Treatment	\$ 37,533	\$ 37,533	Initial design of treatment system

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	DO NOT USE Per PUC Memo January 24, 2019		
2			
3			
4			
5	Total	\$ -	\$ -

SCHEDULE A-59**Account 267 - Accumulated Deferred Income Taxes Liabilities**

Line No.	Description of Items (a)	Balance Beginning of Year (b)	Balance End of Year (c)
1	Accumulated Def FIT	61,834,214	68,147,152
2	Accumulated Def SIT	20,704,645	24,889,994
3			
4			
5	Total	\$ 82,538,859	\$ 93,037,146

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%	320,798	267,530
2	Unamortized ITC 6%	38,829	10,310
3			
4			
5	Total	\$ 359,627	\$ 277,840

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	121,937,727	113,996,571	\$ 7,941,156
4		601-1.2 Residential Low Income Discount (Debit)	-	-	\$ -
5		601-2 Commercial Sales	59,900,243	57,048,711	\$ 2,851,532
6		601-3 Industrial Sales	4,576,197	4,458,708	\$ 117,489
7		601-4 Sales to Public Authorities	15,235,485	14,275,195	\$ 960,290
8		Sub-total	\$ 201,649,653	\$ 189,779,185	\$ 11,870,468
9	602	Unmetered Sales to General Customers			
10		602-1.1 Residential Sales	-	(39)	\$ 39
11		602-1.2 Residential Low Income Discount (Debit)	-	-	\$ -
12		602-2 Commercial Sales	(17)	-	\$ (17)
13		602-3 Industrial Sales	-	-	\$ -
14		602-4 Sales to Public Authorities	-	-	\$ -
15		Sub-total	\$ (17)	\$ (39)	\$ 22
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	3,084,804	3,135,490	\$ (50,686)
21	605	Public Fire Protection Service	-	-	\$ -
22	606	Sales to Other Water Utilities for Resale	-	-	\$ -
23	607	Sales to Governmental Agencies by Contracts	-	-	\$ -
24	608	Interdepartmental Sales	-	-	\$ -
25	609	Other Sales or Service	661,893	875,287	\$ (213,394)
26		Sub-total	\$ 3,746,697	\$ 4,010,777	\$ (264,080)
27		Total Water Service Revenues	\$ 205,396,333	\$ 193,789,923	\$ 11,606,410
28		II. OTHER WATER REVENUES			
29	610	Customer Surcharges	-	-	\$ -
30	611	Miscellaneous Service Revenues	254,836	1,961,553	\$ (1,706,717)
31	612	Rent from Water Property	44,264	60,136	\$ (15,872)
32	613	Interdepartmental Rents	-	-	\$ -
33	614	Other Water Revenues	12,600,993	23,013,779	\$ (10,412,786)
34	615	Recycled Water Revenues	-	-	\$ -
35		Total Other Water Revenues	\$ 12,900,093	\$ 25,035,468	\$ (12,135,375)
36	501	Total operating revenues	\$ 218,296,426	\$ 218,825,391	\$ (528,965)

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		77	-	\$ 77
4	701	Operation supervision, labor and expenses			C	-	-	\$ -
5	702	Operation labor and expenses	A	B		114,466	277,796	\$ (163,330)
6	703	Miscellaneous expenses	A			966,902	1,094,818	\$ (127,916)
7	704	Purchased water	A	B	C	52,087,630	47,400,291	\$ 4,687,339
8		Maintenance						
9	706	Maintenance supervision and engineering	A	B		-	3,403	\$ (3,403)
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			32,220	30,922	\$ 1,298
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			1,439	2,223	\$ (784)
17	712	Maintenance of supply mains	A			136	-	\$ 136
18	713	Maintenance of other source of supply plant	A	B		110,170	523,776	\$ (413,606)
19		Total source of supply expense				\$ 53,313,040	\$ 49,333,229	\$ 3,979,811
20		II. PUMPING EXPENSES						
21		Operation						
22	721	Operation supervision and engineering	A	B		77,783	73,415	\$ 4,368
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		1,305,974	1,280,542	\$ 25,432
28	725	Miscellaneous expenses	A			714,870	416,666	\$ 298,204
29	726	Fuel or power purchased for pumping	A	B	C	6,045,693	6,113,810	\$ (68,117)
30		Maintenance						
31	729	Maintenance supervision and engineering	A	B		59,148	74,484	\$ (15,336)
32	729	Maintenance of structures and equipment			C	-	-	\$ -
33	730	Maintenance of structures and improvements	A	B		1,029	770	\$ 259
34	731	Maintenance of power production equipment	A	B		34,733	92,614	\$ (57,881)
35	732	Maintenance of power pumping equipment	A	B		-	-	\$ -
36	733	Maintenance of other pumping plant	A	B		400,294	232,319	\$ 167,975
37		Total pumping expenses				\$ 8,639,524	\$ 8,284,620	\$ 354,904

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	11,272	9,420	\$ 1,852	
41	741	Operation supervision, labor and expenses			-	-	\$ -	
42	742	Operation labor and expenses	A		1,671,213	1,680,731	\$ (9,518)	
43	743	Miscellaneous expenses	A	B	1,681,079	1,786,050	\$ (104,971)	
44	744	Chemicals and filtering materials	A	B	813,986	801,840	\$ 12,146	
45		Maintenance						
46	746	Maintenance supervision and engineering	A	B	86,956	73,978	\$ 12,978	
47	746	Maintenance of structures and equipment			-	-	\$ -	
48	747	Maintenance of structures and improvements	A	B	920	114	\$ 806	
49	748	Maintenance of water treatment equipment	A	B	710,118	583,798	\$ 126,320	
50		Total water treatment expenses			\$ 4,975,544	\$ 4,935,931	\$ 39,613	
51		IV. TRANS. AND DIST. EXPENSES						
52		Operation						
53	751	Operation supervision and engineering	A	B	1,175,068	1,184,743	\$ (9,675)	
54	751	Operation supervision, labor and expenses			-	-	\$ -	
55	752	Storage facilities expenses	A		47,690	49,576	\$ (1,886)	
56	752	Operation labor and expenses		B	-	-	\$ -	
57	753	Transmission and distribution lines expenses	A		23,943	5,010	\$ 18,933	
58	754	Meter expenses	A		83,277	159,857	\$ (76,580)	
59	755	Customer installations expenses	A		83,838	80,008	\$ 3,830	
60	756	Miscellaneous expenses	A		2,950,999	2,067,181	\$ 883,818	
61		Maintenance						
62	758	Maintenance supervision and engineering	A	B	16,778	26,189	\$ (9,411)	
63	758	Maintenance of structures and plant			-	-	\$ -	
64	759	Maintenance of structures and improvements	A	B	235	41	\$ 194	
65	760	Maintenance of reservoirs and tanks	A	B	58,594	58,690	\$ (96)	
66	761	Maintenance of trans. and distribution mains	A		1,172,547	1,186,004	\$ (13,457)	
67	761	Maintenance of mains		B	-	-	\$ -	
68	762	Maintenance of fire mains	A		289	-	\$ 289	
69	763	Maintenance of services	A		1,102,833	1,091,371	\$ 11,462	
70	763	Maintenance of other trans. and distribution plant		B	-	-	\$ -	
71	764	Maintenance of meters	A		55,694	53,785	\$ 1,909	
72	765	Maintenance of hydrants	A		64,651	66,777	\$ (2,126)	
73	766	Maintenance of miscellaneous plant	A		4,062,757	3,429,930	\$ 632,827	
74		Total transmission and distribution expenses			\$ 10,899,193	\$ 9,459,162	\$ 1,440,031	

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		39,492	24,663	\$ 14,829
78	771	Superv., meter read., other customer acct expenses			C	-	-	\$ -
79	772	Meter reading expenses	A	B		1,175,475	1,237,567	\$ (62,092)
80	773	Customer records and collection expenses	A			1,013,439	928,700	\$ 84,739
81	773	Customer records and accounts expenses		B		-	-	\$ -
82	774	Miscellaneous customer accounts expenses	A			51,731	48,345	\$ 3,386
83	775	Uncollectible accounts	A	B	C	-	-	\$ -
84		Total customer account expenses				\$ 2,280,137	\$ 2,239,275	\$ 40,862
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	5,819,657	5,607,512	\$ 212,145
101	792	Office supplies and other expenses	A	B	C	95,386	108,044	\$ (12,658)
102	793	Property insurance	A			2,237	4,470	\$ (2,233)
103	793	Property insurance, injuries and damages		B	C	-	-	\$ -
104	794	Injuries and damages	A			(29,442)	(207,782)	\$ 178,340
105	795	Employees' pensions and benefits	A	B	C	3,599,800	4,293,320	\$ (693,520)
106	796	Franchise requirements	A	B	C	-	-	\$ -
107	797	Regulatory commission expenses	A	B	C	49,542	233,685	\$ (184,143)
108	798	Outside services employed	A			2,208,192	568,146	\$ 1,640,046
109	798	Miscellaneous other general expenses		B		-	-	\$ -
110	798	Miscellaneous other general operation expenses			C	-	-	\$ -
111	799	Miscellaneous general expenses	A			7,288,988	10,028,441	\$ (2,739,453)
112		Maintenance						
113	805	Maintenance of general plant	A	B	C	235,093	226,653	\$ 8,440
114		Total administrative and general expenses				\$ 19,269,453	\$ 20,862,489	\$ (1,593,036)
115		XI. MISCELLANEOUS						
116	810	Customer surcredits				-	-	\$ -
117	811	Rents	A	B	C	1,179,409	1,147,838	\$ 31,571
118	812	Administrative expenses transferred - Cr. ¹	A	B	C	28,976,576	28,910,032	\$ 66,544
119	813	Duplicate charges - Cr. CA-AM Corp Allocated Return on Rate Base ¹	A	B	C	1,902,734	3,141,470	\$ (1,238,736)
120		Total miscellaneous				\$ 32,058,719	\$ 33,199,340	\$ (1,140,621)
121		Total operating expenses				\$ 131,435,610	\$ 128,314,046	\$ 3,121,564

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	\$ 1,037,616	1,032,196		5,420	
2	California corporate franchise taxes	\$ -				
3	Property taxes	\$ 5,183,947	5,183,947			
4	Other taxes	\$ -				
5	State income taxes	\$ 30,570	30,410		160	
6	Other state and local taxes	\$ 504,439	240,670		263,769	
7	State unemployment taxes	\$ 103,204	76,915			26,289
8	Federal unemployment insurance	\$ 13,174	9,327			3,847
9	Fed. Ins. Contr. Act. (old age retire)	\$ 2,056,377	1,464,836			591,541
10	Licenses	\$ 68,315	68,315			
11	Federal deferred and ITC	\$ 8,300,325	8,300,325			
12	State deferred	\$ 4,126,291	4,126,291			
13		\$ -				
14	Total	\$ 21,424,258	\$ 20,533,232	\$ -	\$ 269,349	\$ 621,677

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	31,144,191
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	\$ 31,144,191
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 2018)
 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.

Name: American Water Works Company, Inc & Subs Identifying number: 51-0063696
 Number, street, and room or suite no. (if P.O. box, see instructions.)
 Print or Type: PO Box 2738, Attn: Tax Dept.
 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).)
Camden, NJ 08101-2738

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 (section 4951 taxes)	20
Form 706-GS(T)	02	Form 1120-PC	21
Form 1041 (bankruptcy estate only)	03	Form 1120-POL	22
Form 1041 (estate other than a bankruptcy estate)	04	Form 1120-REIT	23
Form 1041 (trust)	05	Form 1120-RIC	24
Form 1041-N	06	Form 1120S	25
Form 1041-QFT	07	Form 1120-SF	26
Form 1042	08	Form 3520-A	27
Form 1065	09	Form 8812	28
Form 1066	10	Form 8813	29
Form 1120	11	Form 8725	30
Form 1120-C	12	Form 8904	31
Form 1120-F	13	Form 8831	32
Form 1120-FSC	14	Form 8879	33
Form 1120-H	15	Form 8924	34
Form 1120-L	16	Form 8928	35
Form 1120-ND	17		36
	18		
	19		

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 2018, or tax year beginning 01/01, 2018, and ending 12/31, 2018

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 NONE

7 Total payments and credits. See instructions NONE

8 Balance due. Subtract line 7 from line 6. See instructions NONE

For Privacy Act and Paperwork Reduction Act Notice, see separate instructions. Form 7004 (Rev. 12-2018)

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 - 01/01/18-12/31/18

COMPANY	Employer EIN
American Industrial Water LLC	47-1730161
American Lake Water Company	06-1396121
American Water – Acciona Agua LLC	20-1867186
American Water (USA) LLC	98-0165920
American Water Canada Corp	14013 6375
American Water Capital Corp	22-3732448
American Water Carbon Services Corp	88482 5811
American Water Enterprises Holding LLC	76-0605357
American Water Enterprises LLC	22-3169459
American Water Military Services LLC	47-3136886
American Water Operations and Maintenance LLC	98-0165919
American Water Resources Holdings LLC	27-5107201
American Water Resources LLC	54-0912221
American Water Resources of Florida LLC	45-5262240
American Water Resources of Texas LLC	27-5107457
American Water Services CDM Inc.	91-1745331
American Water Services LLC	26-3196576
American Water Services Underground Infrastructure Corp	86881 1050
American Water Works Co Inc.	51-0063696
American Water Works Service Co Inc.	23-1340234
AW Contract Services (Canada) Inc.	82850 8085
AW Technologies LLC	45-3808303
AWI Inc.	47-4426070
AWIP Holdings LLC	83-3607533
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 American Water Canada Inc.	83166 6862
Environmental Disposal Corporation	22-2391983
Environmental Management LLC	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
OMI/Thames Water Stockton Inc.	74-3075509
One Water Street LLC	81-4501058
Pennsylvania-American Water Company	25-1008096
Pivotal Home Solutions LLC	36-3857885
Prism-Berlie (Windsor) Limited	88858 6971
SWC Acquisition Company	81-3366842
Tennessee-American Water Company	62-0529095
TWNA Inc.	06-1548192
TWH LLC	52-1723310
Virginia-American Water Company	54-0119650
Water Solutions Holdings LLC	27-1340877
West Virginia-American Water Company	55-0307487
Whitlock Farms Water Corp Inc.	11-2425210

Mailing Address:
PO Box 2738, Attn: Tax Dept.
Camden, NJ 08101-2738

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	15,801	38,150	\$ (22,349)
2				\$ -
3				\$ -
4				\$ -
5	Totals	\$ 15,801	\$ 38,150	\$ (22,349)

SCHEDULE B-9		
Account 522 - Revenues from Lease of Other Physical Property		
Line No.	Description of Items (a)	Amount (b)
1	Various Revenue	103,283
2		
3		
4		
5	Total	\$ 103,283

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	2,528,692
2	Interest Income - STD Intercompany	20,186
3		
4		
5	Total	\$ 2,548,878

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	283,412
2		
3		
4		
5		
6		
7		
8	Total	\$ 283,412

SCHEDULE B-14
Account 527 - Nonoperating Revenue Deductions

Line No.	Description (a)	Amount (b)
1	M & J Expenses	369,749
2		
3		
4		
5	Total	\$ 369,749

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

Line No.	Description of Items (a)	Amount (b)
1	Interest on Outside Debt	3,589,600
2	Interest on Inside Debt	14,603,519
3	Amortization of Discount on Debt	26,607
4		
5	Total	\$ 18,219,726

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	465,434
2	Amortization of Revolving Credit Line Fees	91,542
3		
4		
5	Total	\$ 556,976

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	Interest Short Term Debt Intercompany	1,183,553
2		
3		
4		
5	Total	\$ 1,183,553

SCHEDULE B-20
Account 535 - Other Interest Charges

Line No.	Description (a)	Amount (b)
1	Various Interest Charges	1,914
2		
3		
4		
5	Total	\$ 1,914

SCHEDULE B-21		
Account 536 - Interest Charged to Construction - Cr.		
Line No.	Description of Items (a)	Amount (b)
1	AFUDC - Equity	(7,595,724)
2	AFUDC - Debt	(3,403,124)
3		
4		
5	Total	\$ (10,998,848)

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	2,185,697
2		
3		
4		
5	Total	\$ 2,185,697

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>11,759,396</u>
	(b) Charged to capital accounts	\$ <u>4,964,549</u>
	(c) Charged to other accounts	\$ <u> </u>
	Total	\$ <u><u>16,723,945</u></u>
11	Distribution of charges to operating expenses by primary accounts.	
	Number and Title of Account	
	<u>Account 798 Outside Services</u>	<u>11,759,396</u>
	<hr/>	
	Total	<u>\$11,759,396</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	
	<hr/>	
	<hr/>	

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		148,562
2	Employees - Pumping		1,477,746
3	Employees - Water treatment		1,839,574
4	Employees - Transmission and distribution		3,608,612
5	Employees - Customer account		2,218,879
6	Employees - Sales		
7	Employees - Administrative		12,381,235
8	General officers		
9	General office		
10	Total	-	\$ 21,674,608

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	2018		8			8			158	89,457
2						-				
3						-				
4	Total	-	8	-	-	8	-	\$ -	158	\$ 89,457

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	Expenses for Political Purposes	2,864,600
2		
3		
4		
5		
6	Total	\$ 2,864,600

**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	112,311
2	Jeffrey Dana	46,747
3	Garry Hofer	52,532
4	Ian Crooks	47,603
5	Kimberly Castillo	32,130
6	Sarah Leeper	64,997
7	Anthony Cerasuolo	54,009
8	Jeffrey Linam	55,033
9	Thomas Brunet	41,266
10	Lori Girard	41,158
11	Kathryn Horning	53,714
12		
13	Total	\$ 601,500

**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	9,975,834	(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	22	40,755,000	Gallons
7	Earth	3	3,440,500	Gallons
8	Wood	-	-	
9	C. Tanks			
10	Wood (monterey ploy plastic)	2	20,000	Gallons
11	Metal	146	74,129,520	Gallons
12	Concrete	15	5,131,350	Gallons
13	Total	189	701,698,970	

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	214	19,773	176	6,534	253,062	-	411,725	151,471
12	Cast Iron (cement lined)	178	-	26,669	-	103	169,643	-	269,121	93,158
13	Concrete	-	-	-	-	-	-	-	276	54
14	Copper	2,369	1,790	2,033	-	-	-	-	819	-
15	Riveted steel	1,004	802	10,468	-	1,940	149,588	156	214,093	176,696
16	Standard screw	-	-	-	-	-	-	-	-	-
17	Screw or welded casing	-	-	-	-	-	-	-	-	-
18	Cement - asbestos	774	-	8,784	-	2,548	246,608	2,137	1,783,036	1,775,315
19	Welded steel	-	-	-	-	-	-	-	-	-
20	Wood	-	-	-	-	-	-	-	-	-
21	Other - Galvanized	539	970	32,538	1,666	144	221	-	147	820
22	Other - PVC	3,946	3,229	28,667	5,846	3,599	42,699	-	349,729	1,613,674
23	Other - Ductile Iron	482	-	2,719	-	-	3,152	-	12,692	60,881
24	Other - PE	-	-	1,144	-	-	839	-	-	273
25	Other - Brass	1	-	203	9	-	-	-	15	-
26	Other - Unknown	5,544	3,670	27,283	-	1,839	69,778	2,642	95,406	148,008
27	Total	15,024	10,675	160,281	7,697	16,707	935,590	4,936	3,137,060	4,020,350

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	19,952	76,572	1,261	19,171	-	993	-	-	-	961,092
29	Cast Iron (cement lined)	1,008	43,907	-	46,819	139	-	1,205	-	-	651,950
30	Concrete	-	-	-	-	-	-	-	-	-	330
31	Copper	-	-	-	-	-	-	-	-	-	7,011
32	Riveted steel	68,898	119,525	14,929	30,157	23,033	19,479	14,673	53,975	-	899,416
33	Standard screw	-	-	-	-	-	-	-	-	-	-
34	Screw or welded casing	-	-	-	-	-	-	-	-	-	-
35	Cement - asbestos	598,262	307,784	25,251	72,173	4,556	7,447	4,246	1,660	-	4,840,581
36	Welded steel	-	-	-	-	-	-	-	-	-	-
37	Wood	-	-	-	-	-	-	-	-	-	-
38	Other - Galvanized	37	635	-	-	-	-	-	-	-	37,716
39	Other - PVC	158,423	443,192	140	38,609	668	18,465	3,868	-	-	2,714,753
40	Other - Ductile Iron	13,894	85,798	425	135,060	7,262	71,502	66,100	83,702	-	543,669
41	Other - PE	-	-	-	-	-	-	-	-	-	2,257
42	Other - Brass	-	-	-	-	-	-	-	-	-	228
43	Other - Unknown	23,537	25,135	2,709	3,530	125	725	2,708	7,308	-	419,947
44	Total	884,010	1,102,547	44,715	345,520	35,782	118,611	92,800	146,645	-	11,078,949

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	153,628	154,404	176	176
Commercial	16,007	16,033	13	13
Industrial	242	238	-	-
Public authorities	1,651	1,651	-	-
Irrigation	21	15	-	-
Other (Misc., Co. Acct., Resale, Golf Course)	133	140	-	-
Agriculture				
Subtotal	171,682	172,481	189	189
Private fire connections	-	-	3,075	3,194
Public fire hydrants	-	-	14,924	15,038
Total	171,682	172,481	18,188	18,421

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	142,944	-
3/4 - in	762	89,684
1 - in	22,500	72,686
1 1/2 - in	4,252	3,240
2 - in	5,553	8,606
3 - in	293	213
4 - in	240	991
6 - in	89	487
8 - in	33	138
10 - in	2	2
12 - in	-	3
Other	11	2,383
Total	176,679	178,433

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 . . .	357
2. Used, before repair	848
3. Used, after repair	19
4. Found fast, requiring billing adjustment	-
B. Number of Meters in Service Since Last Test	
1. Ten years or less	134,592
2. More than 10, but less than 15 years	31,332
3. More than 15 years	10,558

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	1,087,848	981,455	946,798	958,363	1,198,970	1,450,057	1,662,631	8,286,122
Commercial	428,109	392,099	383,919	404,425	495,466	581,881	645,985	3,331,884
Industrial	45,576	50,367	45,020	41,138	71,059	57,912	65,529	376,602
Public authorities	75,667	63,040	66,228	59,613	124,063	180,246	223,550	792,407
Irrigation	-	-	-	-	-	-	-	-
Other (Fire, Misc., Resale, Co. Accts.)	6,650	11,541	(10,192)	(1,573)	9,391	38,179	(9,373)	44,622
Other (Monterey & Larkfield - See District Report)	84,780	78,405	81,905	82,198	89,980	116,770	129,508	663,544
Total	1,728,629	1,576,907	1,513,678	1,544,164	1,988,928	2,425,045	2,717,830	13,495,181

Classification of Service	During Current Year							Total Prior Year
	August	September	October	November	December	Subtotal	Total	
Residential	1,772,639	1,594,868	1,421,788	1,311,710	1,098,510	7,199,517	15,485,638	15,305,269
Commercial	715,397	640,297	562,274	523,001	452,093	2,893,062	6,224,945	5,792,084
Industrial	73,017	66,120	61,792	62,977	51,228	315,134	691,735	676,121
Public authorities	247,124	220,700	184,431	138,724	87,902	878,882	1,671,289	1,511,415
Irrigation	-	-	-	-	-	-	-	-
Other (Fire, Misc., Resale, Co. Accts.)	51,347	10,681	21,111	92,667	19,204	195,010	239,632	59,965
Other (Monterey & Larkfield- See District Report)	62,929	172,642	126,311	104,316	80,710	546,907	1,210,452	137,366
Total	2,922,453	2,705,308	2,377,707	2,233,395	1,789,647	12,028,511	25,523,692	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 _____ 545,690

**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.

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.

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. BlackRock held less than 10% of the common stock at December 31, 2018

California - American Water Company
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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
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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 X 1/31/2012

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: Original permit 12/20/02; Amendment 1 on 3/10/06; Amendment 2 on 5/26/06

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
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 _____

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**

**California - American Water Company
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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:	Yes	No	Date
Monterey Main System	X	_____	_____
Ryan Ranch System	_____	No	X
Bishop System	_____	No	X
Hidden Hills System	_____	No	X
Toro System	_____	No	X
Ambler System	_____	No	X
Ralph Lane System	_____	No	X
Chualar System	X	_____	_____
Garrapata System	X	_____	_____

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

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

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

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

4. Date of permit:

Monterey Main System	2/15/2018
Ryan Ranch System	5/24/2013
Bishop System	2/1/2013
Hidden Hills System	11/1/2001
Toro System	5/2/2011
Ambler System	6/30/2015
Ralph Lane System	11/24/2003
Chualar System	4/20/2004
Garrapata System	12/1/2014

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 _____ No X

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
Annual Report to the Public Utilities Commission State of California
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	73,524		24,842	2,487			100,853
2	Carmel River Mitigation Program Balancing Account	D. 12-06-020	(0)						(0)
3	Catastrophic Event Memorandum Account	Res No. E-3228	(125,036)		(10,837)				(135,873)
4	Cease and Desist Order Memorandum Account	Res W4824	(4,540,287)		(462,299)	(108,623)			(5,111,210)
5	Chromium-6 Memorandum Account - Los Angeles	AL 1020 - A	(1,441,699)		(127,961)	(103,535)			(1,673,194)
6	Chromium-6 Memorandum Account - Sacramento	AL 1020 - A	(9,357,021)		(720,353)	(933,104)			(11,010,477)
7	Coastal Water Project Balancing Account	D06-11-050	1,707,587		(1,623,491)	66,867	384		151,347
8	Coastal Water Project Memorandum Account	D06-11-050	(7,603,066)		770,770	-			(6,832,296)
9	Conservation Surcharge Balancing Account - San Diego	D. 12-06-016	(47,657)		(162,345)	(2,049)	8,114		(203,938)
10	Conservation Surcharge Balancing Account - Los Angeles	D. 12-06-016	19,861		(172,979)	(394)	10,508		(143,005)
11	Conservation Surcharge Balancing Account - Ventura	D. 12-06-016	(72,975)		(172,710)	(2,424)	12,296		(235,813)
12	Conservation Surcharge Balancing Account - Monterey	D. 12-06-016	(322,177)		(525,923)	(7,757)	70,342		(785,514)
13	Conservation Surcharge Balancing Account - Sacramento	D. 12-06-016	(96,293)		(170,371)	(2,713)	14,241		(255,135)
14	Conservation Surcharge Balancing Account - Larkfield	D. 12-06-016	26,348		(3,878)	560	1,491		24,522
15	Conservation/Rationing Memorandum Account - San Diego	Res W-4976, AL 1047	(500,333)		384,079	(10,023)			(126,277)
16	Conservation/Rationing Memorandum Account - Ventura	Res W-4976, AL 1047	(550,345)		468,144	(11,066)			(93,267)
17	Conservation/Rationing Memorandum Account - Los Angeles	Res W-4976, AL 1047	(737,994)		665,995	(14,839)			(86,838)
18	Conservation/Rationing Memorandum Account - Monterey Main	Res W-4976, AL 1051	(198,910)		118,243	(3,952)			(84,618)
19	Conservation/Rationing Memorandum Account - Larkfield	Res W-4976, AL 1048	(137,946)		128,379	(2,774)			(12,340)
20	Conservation/Rationing Memorandum Account - Sacramento	Res W-4976, AL 1048	(640,525)		560,227	(12,879)			(93,178)
21	Consolidated Expense Balancing Account - San Diego	D12-06-016	(19,551)		96,013	760	82,812		160,033
22	Consolidated Expense Balancing Account - Los Angeles	D12-06-016	(667,990)		(27,602)	(6,924)	540,060		(162,455)
23	Consolidated Expense Balancing Account - Larkfield	D12-06-016	(143,212)		(8,156)	(2,147)	90,618		(62,896)
24	Consolidated Expense Balancing Account - Monterey	D12-06-016	(6,021,233)		2,277,057	(100,136)	2,043,807		(1,800,505)
25	Consolidated Expense Balancing Account - Monterey WW	D12-06-016	20,100		53,555	394	(1,727)		72,322
26	Consolidated Expense Balancing Account - Sacramento	D12-06-016	(2,148,481)		101,651	(30,998)	1,505,972		(571,856)
27	Consolidated Expense Balancing Account - Toro	D12-06-016	(63,144)		17,151	(1,024)	31,015		(16,002)
28	Consolidated Expense Balancing Account - Ventura	D12-06-016	(91,981)		(56,681)	(434)	102,352		(46,744)
29	Emergency Rationing Costs Incurred by CAW Memorandum Account	D.09-05-029	-						-
30	Endangered Species Act (ESA) Memorandum Account	D12-06-016	(567,755)		(1,157,510)	(13,131)			(1,738,395)

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)
31	Repayment Balancing Account	D13-01-033	(15,208)			(1,135)			(16,343)
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	(369,364)			(17,943)	(104,435)		(491,743)
40	Low-Income Ratepayer Assistance (LIRA) Program Balancing Account - Los Angeles	D15-04-007	(143,460)			(21,138)	(29,333)		(193,932)
41	Low-Income Ratepayer Assistance (LIRA) Program Balancing Account - Ventura	D15-04-007	490,586			4,671	153,468		648,725
42	Low-Income Ratepayer Assistance (LIRA) Program Balancing Account - Monterey	D15-04-007	474,810			(1,508)	(25,730)		447,572
43	Low-Income Ratepayer Assistance (LIRA) Program Balancing Account - Monterey WW	D15-04-007	25,218			-	21,035		46,253
44	Low-Income Ratepayer Assistance (LIRA) Program Balancing Account - Sacramento	D15-04-007	(141,137)			(29,409)	3,661		(166,885)
45	Low-Income Ratepayer Assistance (LIRA) Program Balancing Account - Larkfield	D15-04-007	24,179			(774)	11,087		34,493
46	MPWMD Conservation Balancing Account	D12-06-016	87,569		(1,572)	6	(86,004)		(0)
47	NOAA_ESA Memorandum Account	AL 929	(4,843,408)			(15,520)			(4,858,928)
48	Non-Revenue Water Action Plan Memorandum Account	D 12-06-016	(76,503)			(1,702)			(78,205)
49	OPEB Balancing Account - San Diego	D12-06-016	11,889		87,207	813			99,910
50	OPEB Balancing Account - Monterey	D12-06-016	70,678		338,283	3,341			412,303
51	OPEB Balancing Account - Monterey WW	D12-06-016	5,493		40,248	263			46,004
52	OPEB Balancing Account - Toro	D12-06-016	751		995	18			1,763
53	OPEB Balancing Account - Los Angeles	D12-06-016	23,073		150,455	1,281			174,809
54	OPEB Balancing Account - Ventura	D12-06-016	10,836		62,633	559			74,028
55	OPEB Balancing Account - Sacramento	D12-06-016	20,468		174,143	1,344			195,955
56	OPEB Balancing Account - Larkfield	D12-06-016	(86)		15,018	94			15,026
57	Pension Balancing Account - San Diego	D12-06-016	577,653		(462,014)	12,049			127,688
58	Pension Balancing Account - Monterey	D12-06-016	2,024,034		(1,688,386)	41,272			376,920
59	Pension Balancing Account - Monterey WW	D12-06-016	190,363		(195,253)	3,657			(1,233)
60	Pension Balancing Account - Toro	D12-06-016	20,866		(18,037)	419			3,248

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)
61	Pension Balancing Account - Los Angeles	D12-06-016	797,268		(666,807)	16,151			146,612
62	Pension Balancing Account - Ventura	D12-06-016	488,457		(419,566)	9,794			78,685
63	Pension Balancing Account - Sacramento	D12-06-016	1,055,201		(906,632)	21,212			169,780
64	Pension Balancing Account - Larkfield	D12-06-016	146,259		(110,692)	3,072			38,639
65	San Clemente Dam Balancing Account	D12-06-040	(89,220,285)		1,215,939	(5,042,411)	7,921,004		(85,125,754)
66	Sand City Desalination Plant Purchased Water Balancing Account	D13-04-015	(1,746,453)		559,991	23,960	(26,079)		(1,188,581)
67	Seaside Basin Adjudication Balancing Account	D09-07-021	(441,873)		-	(6,123)	283,222		(164,774)
68	Seaside Groundwater Basin Balancing Account	D12-06-016	1,012,463		(153,402)	19,063			878,124
69	West Placer Memorandum Account	D13-10-003	(5,761,100)						(5,761,100)
70	WRAM/MCBA - San Diego	D08-11-023	(4,466,987)	(5,471,526)	4,727,571	(74,865)	2,129,514		(3,156,292)
71	WRAM/MCBA - Los Angeles	D08-06-002	(5,245,114)	(4,429,583)	2,370,717	(92,226)	2,539,626		(4,856,580)
72	WRAM/MCBA - Ventura	D08-11-023	(9,134,703)	(5,943,380)	2,465,263	(169,460)	3,139,491		(9,642,788)
73	WRAM/MCBA - Monterey ²	D09-07-021	(56,420,421)	(4,243,751)	278,475	(1,086,749)	10,629,762		(50,842,684)
74	WRAM/MCBA - Monterey Toro	D15-04-007	(522,017)	(160,694)	6,923	(11,290)	65,381		(621,698)
75	WRAM/MCBA - Monterey Ambler	D09-07-021	(861,868)	(126,874)	(22,594)	(18,651)	59,780		(970,207)
76	WRAM/MCBA - Sacramento	D15-04-007	(19,029,622)	(3,693,840)	1,269,829	(384,022)	4,528,802		(17,308,853)
77	WRAM/MCBA - Larkfield	D08-11-023	(1,224,021)	(767,638)	95,407	(32,706)	222,919		(1,706,038)
78	Leak Adjustments Memorandum Account (LAMA)	D12-06-016, AL991	(3,745,068)		6,948	(101,996)			(3,840,115)
79	Old Monterey Style WRAM Balancing Account	D12-06-016	(960,700)			(21,375)			(982,075)
80	Pump Tax Balancing Account - Monterey WW	D12-06-016	(267,672)		95,991	(5,691)			(177,372)
81	Purchased Water, Purchased Power, & Pump Tax Balancing Account - Sacramento	D12-06-016	(195,073)		195,074				0
82	Tax Act Memorandum Account	D15-04-07	85,237	(85,237)					-
83	Dunnigan Consulting Memorandum Account	AL 1101	(324,952)		(151,031)	(7,882)			(483,865)
84	Water-Energy Nexus Program Memorandum Account	D15-09-023	(246,509)		(31,689)	(5,811)			(284,008)
85	Meadowbrook CIAC Memorandum Account	D16-12-014	(575,000)						(575,000)
86	School Lead Testing Memorandum Account	AL 1164-A	(4,588)		(2,847)	(49)			(7,484)
87	Failed Lamanda Well Memorandum Account	D15-04-007, A16-07-002	(485,896)		(64,059)				(549,955)
88	Group Insurance Balancing Account - San Diego	D18-12-021	-		(12,200)	(271)			(12,471)
89	Group Insurance Balancing Account - Monterey	D18-12-021	-		(328,646)	(3,619)			(332,265)
90	Group Insurance Balancing Account - Monterey Wastewater	D18-12-021	-		(98,314)	(1,071)			(99,385)
91	Group Insurance Balancing Account - Toro	D18-12-021	-		(3,663)	(46)			(3,709)
92	Group Insurance Balancing Account - Garrapata	D18-12-021	-		(3,945)	(48)			(3,993)
93	Group Insurance Balancing Account - Los Angeles	D18-12-021	-		(72,349)	(839)			(73,187)
94	Group Insurance Balancing Account - Ventura	D18-12-021	-		(32,817)	(740)			(33,557)
95	Group Insurance Balancing Account - Sacramento	D18-12-021	-		(123,764)	(1,485)			(125,249)
96	Group Insurance Balancing Account - Larkfield	D18-12-021	-		(8,057)	(94)			(8,151)
97	Sustainable Groundwater Management Act Memorandum Account	D18-12-021	-		(310,456)				(310,456)

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 (except for Monterey's service area) receive a 20% discount on the service charge and the first and second tiered rates. Monterey's low income customers receive a 30% discount on the service charge and on tiers 1 through 4

2. Participation rate for Year 2018 (as a percent of total residential customers served per district).
at 12/31/18

San Diego	18.1%
Larkfield	8.2%
Los Angeles	14.2%
Monterey	11.1%
Sacramento	16.2%
Ventura	6.2%

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, 2018					
	Type of Account*	Expenses Incurred	Revenues Lost	Interest Accrued	Net Account
San Diego	B/A		367,225	17,943	385,169
Los Angeles	B/A		383,105	21,138	404,243
Ventura	B/A		136,391	(4,671)	131,720
Monterey	B/A		583,184	1,508	584,693
Larkfield	B/A		14,454	774	15,228
Sacramento	B/A		762,847	29,409	792,255
Total			2,247,206	66,102	2,313,307

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 2018 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 2019



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 2018;
- 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

2018 marked the first year after California's historic drought was declared over with wet winter months early in the year and precipitation levels higher than during the previous five years in California. The widespread media outreach during the drought helped spread conservation messages and a large array of additional drought initiated conservation programs were successful in significantly reducing customers' water usage. California American Water's extensive drought and conservation initiatives resulted in usage reductions in some areas in excess of 30% compared to 2013 base year usage. As a result of these significant savings and to compensate for the additional drought and conservation expenditures that occurred during the drought, California American Water proposed a temporary reduction of conservation budgets in its 2016 Ratecase immediately following the drought. California American Water has since experienced some bounce back in water usage and one objective of the post-drought conservation programs was and continues to be the preservation of gains in water conservation that were so successfully achieved during the drought years. A second objective of the Company's conservation programs is ensuring California American Water's service areas are well positioned to comply with state regulations and polices pertaining to water conservation, water loss management, and groundwater management including California's New Water Efficiency Laws (SB 606 and AB 1668), Senate Bill 555 and the Sustainable Groundwater Management Act.

2018 also marks the first year of a new Ratecase cycle, 2018-2020, with new budgets and proposed programs. The Final CPUC Decision D.18-12-021 approving these 2018-2020 budgets was not issued until late 2018 and therefore no conservation surcharge was collected from customers through 2018. In absence of a Ratecase decision authorizing conservation programs and budgets, the Company decided to reduce conservation spending in 2018 to the extent possible until a CPUC approved budget was authorized. Decision D.18-12-021 also requires California American Water to move from a three year conservation budget where unspent funds in one year could be moved to a subsequent year to an annual budget where any unspent conservation funds in one year need to be reconciled at the end of the year and returned to ratepayers. The Company is asking the CPUC to reverse this stipulation for its 2021-2023 Ratecase as it creates a barrier to scale up conservation programs over multiple years including contracts and vendor selection and therefore creates inefficiencies in running conservation programs.

California American Water's conservation team 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. In 2019, the conservation team is implementing a pilot using acoustic leak detection equipment to trace difficult to find leaks on customers' premises. 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 tasks continues to grow in importance. This leads to another strong strategic focus for California American Water's Conservation Team; customer education and outreach. In 2018, 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 very strong and oftentimes exceeded 40 to 50 participants per event. 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 2018 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 and Sonoma County Water Agency.

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 2018

Table 1. 2018 Statewide Summary of Water Savings

Table 1. 2018 Statewide Summary of Water Savings		
District	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
San Diego	13.18	92.48
Ventura	21.15	159.95
Los Angeles	24.32	184.06
Monterey	208.78	1804.57
Sacramento	36.08	403.08
Larkfield	0.96	4.81
Total	304.47	2648.95

San Diego County District

The programs funded by California American Water's conservation surcharge during 2018 are summarized in Table 2 and described in detail in the narrative that follows.

Table 2. San Diego County District: Conservation Programs

Table 2. San Diego County District: Conservation Programs									
Name of measure, as listed in Decision or Settlement	Description of measure	Authorized budget 2018	# of units / activities	\$ per unit, activity, etc.	Total \$ spent	Estimated water savings per unit/year (AF)	Unit lifespan (years)	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Conservation Staff	Conservation staffing	\$ 68,796	1 Rep	N/A	\$ 63,117	n/a	n/a	n/a	n/a
Public Information programs	Advertising, PSAs, Community Events	\$ 12,000	26	n/a	\$ 11,067	n/a	n/a	n/a	n/a
School Education programs	School education pgm -Miss Smarty Plants	\$ 21,667	21 field trips/auditorium presentations	n/a	\$ 22,500	n/a	n/a	n/a	n/a
Residential Water Audits	Residential audits (in-house and vendor)	\$ 5,000	32 & software license	Approx. \$260	\$ 11,529	0.04	5	1.28	6.4
Low Flow Fixtures (see table 3)	Conservation devices	\$ 4,000	2,388	varies	\$ 6,882	varies	5	3.1	15.5
Residential Rebates	HECW	\$ -	3	varies	\$ 255	0.1075	10	0.3225	3.225
Residential Rebates	Toilet	\$ -	29	varies	\$ 3,760	0.0425	20	1.2325	24.65
Low Income Water/Energy Direct Install	SDGE Direct Install	\$ 16,667	0	varies	\$ -	0.0425	20	0	0
Residential Rebates	Rain Barrel	\$ -	2	varies	\$ 70			0	0
CII and Large Landscape Conservation (Audits)	CII & LL Audits	\$ 21,333	9	varies	\$ 15,852	0.66	5	5.94	29.7
Non-residential Rebates	Turf removal City of Imperial Beach	\$ -	10,000 sqft	varies	\$ 20,000	0.00013/sqft	10	1.3	13
Partnerships/Research	Alliance for Water Efficiency - Landscape transformation study	\$ -	1	n/a	\$ 2,500	n/a	n/a	n/a	n/a
Memberships	CUWCC/ CALWEP	\$ -	n/a	n/a	\$ 1,326	n/a	n/a	n/a	n/a
Total		\$149,463			\$158,858			13.175	92.475

BMP 1.1 Conservation Coordinator (Staffing)

In 2018, 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, assisted in planning and organizing of public outreach events, tracking equipment inventory, and reaching out to customers to publicize all the programs available to them. The conservation coordinator position was funded out of the conservation surcharge one-way balancing account.

BMP 2.1 Public Information Program

California American Water's San Diego District has a proactive multi-pronged public information program that includes community events, public meetings, outreach campaigns, bill messaging and inserts, social media, and email communications. The goal of the public information program is to promote water use efficiency and conservation programs to all of our San Diego County customers. In 2018, California American Water hosted community open house events that included a conservation booth providing information about our rebate programs and providing conservation advice to customers in attendance. Customers in the San Diego County service area received two bill inserts, six customer emails, and 5 print ads were placed in local news outlets that focused on water conservation tips, incentive programs and home water surveys available to customers. California American Water hosted conservation booths at the Coronado Fire Department Open House, the Coronado Health and Wellness Faire and the City of San Diego's National Night Out. California American Water also expanded its internet and digital communications in 2018.

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 provided the opportunity to participate in a fieldtrip to the garden and receive a lecture and tour of the garden by Pam Meisner (a.k.a. Ms. Smarty-Plants) and her team 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 and her team host 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 2018, there were 11 school assemblies and 10 garden tours with a total of 4987 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 32 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) 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 2018:

CONSERVATION

California American Water offers free devices for water-savings. To receive your devices please come by our office at 1025 Palm Ave, Imperial Beach, CA 91932. Must be an active customer, call California American Water conservation office at (619) 446-5706 for assistance.

FREE DEVICES



High Efficiency Showerhead
adds more air to your water stream so you can get equivalent pressure with less water going down the drain. This showerhead only uses 1.5 gallons per minute (GPM)



Soil Moisture Meter works by sticking the end of the probe into the ground or directly into a flower pot.



Auto Shut-Off Hose Timer attaches to your outdoor spigot and your hose by simply twisting it on. After that you can set the timer to a specific run time by moving the dial on the side. It will automatic stop the flow for you after that time runs out!



Garden Hose Nozzles
A 3/4 diameter hose without a nozzle can waste up to 132 gallons within 15 minutes! After placing this device on the end of your hose, you can twist the nozzle to select for different water spray "styles".



Toilet Flappers usually last an average of 5 years before they start to wear out and need replacement. Flapper leaks are the most common toilet leak and can waste lots of water in the home so its important to check a couple times a year.



High Efficiency Bathroom Aerators use 1 gallon per minute while standard ones use an average of 2.5 gallons per minute. By simply unscrewing the old one and screwing in the new one you can save 1.5 gallons every time you turn on the sink to watch your hands or brush your teeth.



High Efficiency Kitchen Aerators can save you close to 5 gallons a day! Like the bathroom aerators they are easy to replace by simply unscrewing the old and then twisting on this new one. However, this aerator will only fit on a standard kitchen sink, not on ones with a wand arm.



Table 3. San Diego County District: Residential Plumbing Retrofit Detail

Table 3. San Diego County District: Residential Plumbing Retrofit- Detail							
Name of measure, as listed in Decision or Settlement	# of units bought	\$ per unit, activity, etc.	Total \$ spent 2018	Estimated water savings per unit/year (AF)	Unit lifespan	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Showerheads	500	\$4.72		0.0062	5	3.1	15.5
Kitchen Faucet Aerators		\$1.75		0.0017	5	0	0
Toilet Flappers		\$1.88		0.0047	5	0	0
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	0	0
Hose Timers	300	\$7.48		unknown	5	unknown	unknown
Shower Timer	700	\$1.69		unknown		unknown	unknown
Water Efficiency Measurer Bag	0	\$0.12		unknown	-	unknown	unknown
Shower Pause Valve	0	\$1.94		unknown	-	unknown	unknown
Hose spray nozzle	508	\$3.37		unknown	5	unknown	unknown
Soil Probe	180	\$2.50		unknown	5	unknown	unknown
	2,388		\$6,882			3.1	15.5

BMP 3 Residential Turf Rebate Program

California American Water in partnership with the City of Imperial Beach funded the city's Triangle Park conservation project. The project was funded through two California American Water sources - community contributions and conservation/rebates. The City submitted a turf removal rebate application to remove 10,000 square feet of turf at \$2 per sq. ft. totaling \$20,000. The City designed and constructed a new drought tolerant demonstration park at the city's Bicentennial Triangle Park located on Palm Avenue heading into the city. The new park added water-conservation features and improvements that included permeable pedestrian paths with benches, low and drought-tolerant plants, and various palm trees. The City is planning to use Triangle Park as a water education center for the community as well.



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

California American Water's in-house rebate program was eliminated in 2018 due to reduced funding levels for conservation rebate programs.

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 2018, San Diego completed 9 CII audits.

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

Ventura County District

The programs funded by California American Water's conservation surcharge during 2018 are summarized below:

Table 4. Ventura County District: Conservation Programs

Table 4. Ventura County District: Conservation Programs									
Name of measure, as listed in Decision or Settlement	Description of measure	Authorized budget 2018	# of units / activities	\$ per unit, activity, etc.	Total \$ spent	Estimated water savings per unit/year (AF)	Unit lifespan (years)	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Conservation Staff	Conservation staffing	\$ 68,796	1 Rep	N/A	\$ 77,942	n/a	n/a	n/a	n/a
Public Information programs	Advertising, PSAs, Community Events	\$ 23,333	14	n/a	\$ 7,826	n/a	n/a	n/a	n/a
School Education programs	National Theater For Children	\$ 20,000	7	n/a	\$ 11,767	n/a	n/a	n/a	n/a
Residential Water Audits	Residential audits (in-house and vendor)	\$ 10,000	46	Approx. \$250	\$ 8,050	0.04	5	1.84	9.2
Low Flow Fixtures (see table 5)	Conservation devices	\$ 4,000	1,568	varies	\$ 6,434	varies	5	5.0368	25.184
Residential Rebates	HECW	\$ -	82	\$ 110	(MWD)	0.1075	10	8.815	88.15
Residential Rebates	HEDW	\$ -	5	\$ 75	\$ 375				
Residential Rebates	Toilet	\$ -	14	\$ 65	(MWD)	0.0425	20	0.595	11.9
Residential Rebates	Rain Barrel	\$ -	0	varies	\$ -			0	0
Residential Rebates	Turf removal	\$ -	1,860 sqft	\$1 per sqft	(MWD)	0.00013/sqft	10	0.2418	2.418
Low Income Water/Energy Direct Install	no event in 2018	\$ 21,667	0	varies	\$ -	0.0425	20	0	0
Landscape Upgrade Grant Program	Public landscape retrofit	\$ 25,000	1	n/a	\$ 9,930			0	0
CII and Large Landscape Conservation (Audits)	CII & LL Audits	\$ 36,667	7	varies	\$ 4,625	0.66	5	4.62	23.1
Non-residential Rebates	various	\$ 3,333	0	varies	\$ -			0	0
Partnerships/Research	Alliance for Water Efficiency - Landscape transformation study	\$ -	1	n/a	\$ 2,500	n/a	n/a	n/a	n/a
Memberships	CUWCC/ CALWEP	\$ -	n/a	n/a	\$ 1,326	n/a	n/a	n/a	n/a
Total		\$212,796			\$130,775			21.149	159.952

BMP 1.1 Conservation Coordinator (Staffing)

In 2018, California American Water's Ventura County District funded one full-time Conservation Representative position. The conservation staff conducted a number of residential water surveys and supported the administration of the conservation program by responding to customer inquiries, conducting conservation patrols, staffing public outreach conservation events, tracking equipment inventory, assisting customers with rebate applications, and reaching out to customers to publicize all the programs available to them. The conservation position was funded out of the conservation surcharge one-way balancing account.

BMP 2.1 Public Information Program

California American Water's Ventura County District public information program includes community events, public meetings, outreach campaigns, bill messaging and inserts, social media and email communications. The goal of the public information is to promote water use efficiency and conservation programs to all of our Ventura County customers. In 2018, California American Water hosted 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. California American Water also held a community open house event regarding the 2018-2020 General Rate Case where a conservation table was available providing information about rebate programs and conservation advice to interested customers. In addition to the community events, customers in the Ventura County service area received one bill insert and seven customer emails and offered 6 other communication methods to connect with customers that focused on water conservation, the drought, and incentive programs. These mailers and emails included information on water conservation products and home water surveys available to customers. California American Water also continued its 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 2018.

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 2018 the Ventura County District partnered with the National Theater for Children to sponsor performances of "The Water Pirates of Neverland: Run Aground", an educational assembly highlighting the importance of water and water conservation. Five performances reached a total of 1,115 Ventura County students. 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 2018, approximately 48 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 Ventura County District performed a number of residential water surveys in 2018. The conservation representative conducted surveys, but most were contracted out in 2018 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 2018:

Table 5. Ventura County District: Residential Plumbing Retrofit Detail

Table 5. Ventura County District: BMP 3 & 4 Residential Plumbing Retrofit- Detail							
Name of measure, as listed in Decision or Settlement	# of units bought	\$ per unit, activity, etc.	Total \$ spent 2018	Estimated water savings per unit/year (AF)	Unit lifespan	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Showerheads	612	\$4.72		0.0062	5	3.7944	18.972
Kitchen Faucet Aerators	200	\$1.75		0.0017	5	0.34	1.7
Toilet Flappers	192	\$1.88		0.0047	5	0.9024	4.512
Tank banks	0	\$1.25		unknown	5	unknown	unknown
Drip Gauge	0	\$0.28		unknown	5	unknown	unknown
Leak Detection tablets	0	\$0.06		0.0007	5	0	0
Hose Timers	100	\$7.48		unknown	5	unknown	unknown
Shower Timer	0	\$1.69		unknown		unknown	unknown
Water Efficiency Measurer Bag	0	\$0.12		unknown	-	unknown	unknown
Shower Pause Valve	0	\$1.94		unknown	-	unknown	unknown
Hose spray nozzle	320	\$3.37		unknown	5	unknown	unknown
Soil Probe	144	\$2.50		unknown	5	unknown	unknown
	1,568		\$6,434			5.0368	25.184

BMP 3 Residential Turf Rebate Program

In 2018 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. 2 such rebates were approved and paid out in 2018 for California American Water customers, resulting in 1,860 square feet of turf removed in the Ventura district.

The MWD rebate program is funded in part through its member agencies' purchased water rates.

California American Water also participated in a large scale Landscape transformation research study from the Alliance for Water Efficiency assessing customers that went through landscape transformation projects and customers that did not. The study provided insight as to effective landscape transformation incentive levels that persuade customers to undertake oftentimes very costly landscape projects aimed at turning turf landscape into California friendly sustainable landscapes. The study used California American Water and other water utility data of customers that had undergone landscape transformation.

BMP 3, 4 Residential and Commercial Rebates (MWD's SoCal Water Smart)

In the Ventura County District, rebates in 2018 were provided to customers through MWD's SoCal Water Smart program for residential and commercial customers.

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 2018. 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 2018, Ventura completed 4 LL and 3 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 2018 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. One such grant was awarded in 2018.

The 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 2018 are summarized below:

Table 6. Los Angeles County District: Conservation Programs

Table 6. Los Angeles County District: Conservation Programs									
Name of measure, as listed in Decision or Settlement	Description of measure	Authorized budget 2018	# of units / activities	\$ per unit, activity, etc.	Total \$ spent	Estimated water savings per unit/year (AF)	Unit lifespan (years)	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Conservation Staff	Conservation staffing	\$ 68,796	1 Rep	N/A	\$ 65,518	n/a	n/a	n/a	n/a
Public Information programs	Advertising, PSAs, Community Events	\$ 20,000	35	n/a	\$ 8,910	n/a	n/a	n/a	n/a
School Education programs	Resource Action Programs (Livingwise Prgrm) and National Theater for Children	\$ 18,333	various	n/a	\$ 25,242	n/a	n/a	n/a	n/a
Residential Water Audits	Residential audits (in-house and vendor)	\$ 8,333	67	Approx. \$250	\$ 10,219	0.04	5	2.68	13.4
Low Flow Fixtures (see table 7)	Conservation devices	\$ 4,000	1,400	varies	\$ 6,773	varies	5	3.59	17.95
Residential Rebates	HECW	\$ -	45	varies	(MWD)	0.1075	10	4.8375	48.375
Residential Rebates	HEDW	\$ -	4	\$ 75	\$ 300				
Residential Rebates	Toilet	\$ -	51	\$ 65	\$ 3,010	0.0425	20	2.1675	43.35
Residential Rebates	Rain Barrel	\$ -	0	varies	\$ -			0	0
Residential Rebates	Turf removal	\$ -	2,500 sqft	\$1 per sqft	\$ 2,500	0.00013/sqft	10	0.325	3.25
Low Income Water/Energy Direct Install	no event in 2018	\$ 22,667	0	varies	\$ -	0.0425	20	0	0
Landscape Upgrade Grant Program	Public landscape retrofit	\$ -	2	n/a	\$ 31,886	0.00013/sqft	10	0.82368	8.2368
CII and Large Landscape Conservation (Audits)	CII & LL Audits	\$ 33,000	15	varies	\$ 21,802	0.66	5	9.9	49.5
Non-residential Rebates	various	\$ 2,500	0	varies	\$ -			0	0
Memberships	CUWCC/ CALWEP	\$ -	n/a	n/a	\$ 1,678	n/a	n/a	n/a	n/a
Total		\$177,629			\$177,838			24.324	184.0618

BMP 1.1 Conservation Coordinator (Staffing)

In 2018, California American Water's Los Angeles County District funded one full-time Conservation Representative Position. The conservation staff conducted a number of residential water surveys and supported the administration of the conservation program by responding to customer inquiries, conducting conservation patrols, staffing public outreach conservation events, tracking equipment inventory, assisting customers with rebate applications, and reaching out to customers to publicize all the programs available to them. The conservation position was funded out of the conservation surcharge one-way balancing account.

BMP 2.1 Public Information Program

California American Water's Los Angeles County District's public information program includes community events, public meetings, outreach campaigns, bill messaging and inserts, social media and email communications. The goal of the public information is to promote water use efficiency and conservation programs to all of our Los Angeles County customers. California American Water hosted a company booth at several community events including Duarte Concert in the Park, An Evening at the Huntington, Temple City Concert in the Park, Bradbury National Night Out, and co-sponsored a booth with Upper San Gabriel Valley Municipal Water District at WaterFest 2018, promoting specific conservation programs to our customers at each event. 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 conservation and drought measures (Rule and Schedule 14.1). Customers in the Los Angeles County District received four bill inserts and seven customer emails, and placed five print ads in local news outlets, and offered 19 other communication methods to connect with customers in 2018 that focused on water conservation and incentive programs. . These bill inserts and customer emails include information on the Social-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 2018.

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

BMP 2.2 School Education Program

California American Water's Los Angeles County District contracted with The National Theatre for Children to provide entertaining, educational performances of "The Water Pirates of Neverland: Run Aground" to elementary school children in large assemblies for the 2018 school year. A total of 5 schools participated in the program, or 1,115 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 2,330 students and 101 teachers with vital information on water conservation.

Featuring live in-school performances, student playbooks, teacher guides, infographic posters, and digital games and activities, *The Water Pirates of Neverland: Run Aground* toured 9 schools and received rave reviews from California students, educators and the media:

My students enjoyed the program on water conservation. They learned to take shorter showers, turn water off when washing hands or brushing teeth, and to sweep instead of hose off a path if there are leaves on it. Thank you for coming to Banyan.

1st Grade Teacher, Banyan Elementary School, Thousand Oaks, CA

I loved how the performance it promotes water awareness. Grateful to know your organization exists. Keep up the awesome work!!

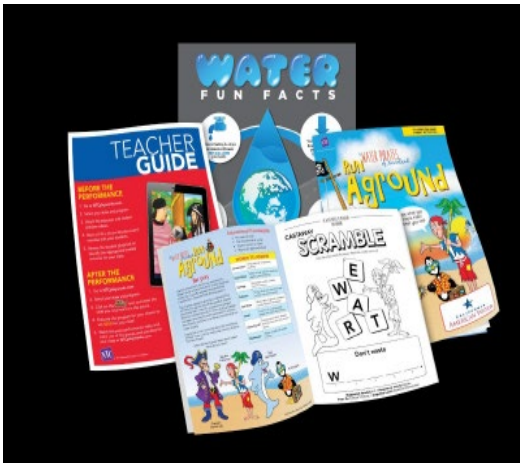
4th Grade Teacher, Frank D Parent Elem School, Inglewood, CA



School feedback about the program was received and was overwhelmingly positive. Based on a scale of 1-7, overall educational value was rated a6.23, 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 6.16 and increase students' capacity for retaining the messages as a6.32. 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 Pirates Of Neverland*, each school received:

- A 25-minute live performance on water conservation
- Student playbooks with classroom and take-home exercises related to *The Water Pirates of Neverland*
- 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 to conserve water and How water gets polluted

Similarly to its other districts, California American Water Los Angeles District also partners with Resource Action Program (“RAP”) to provide school education programs through RAP’s LivingWise Program. In 2018, approximately 584 students were reached through the RAP program.

BMP 3 Residential Water Audits

California American Water’s Los Angeles County District performed a number of residential water surveys in 2018. 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 2018:

Table 7. Los Angeles County District: Residential Plumbing Retrofit Detail

Table 7. Los Angeles County District: BMP 3 & 4 Residential Plumbing Retrofit- Detail							
Name of measure, as listed in Decision or Settlement	# of units bought	\$ per unit, activity, etc.	Total \$ spent 2018	Estimated water savings per unit/year (AF)	Unit lifespan	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Showerheads	400	\$4.72		0.0062	5	2.48	12.4
Faucet Aerators	100	\$1.75		0.0017	5	0.17	0.85
Toilet Flappers	200	\$1.88		0.0047	5	0.94	4.7
Tank banks	0	\$1.25		unknown	5	unknown	unknown
Drip Gauge	0	\$0.28		unknown	5	unknown	unknown
Leak Detection tablets	0	\$0.06		0.0007	5	0	0
Hose Timers	100	\$7.48		unknown	5	unknown	unknown
Shower Timer	0	\$1.69		unknown		unknown	unknown
Water Efficiency Measurer Bag	0	\$0.12		unknown	-	unknown	unknown
Shower Pause Valve	0	\$1.94		unknown	-	unknown	unknown
Hose spray nozzle	400	\$3.37		unknown	5	unknown	unknown
Soil Probe	200	\$2.50		unknown	5	unknown	unknown
	1,400		\$ 6,773			3.59	17.95

BMP 3, 4 Residential and Commercial Rebates (MWD's SoCal Water Smart)

In the Los Angeles County District, rebates in 2018 were provided to customers through MWD's SoCal Water Smart program.

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 2018, the Los Angeles County District completed 5 CII audit and 10LL 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 2018, California American Water provided two Large Landscape Grants in the Los Angeles district. A \$25,000 grant was provided to the City of Temple City for their Street Median Landscape Transformation Project. The project consisted of removing 3,836 sq./ft. of non-functional turf and replacement with drought tolerant landscaping and the installation of a more efficient irrigation system for the purpose of achieving water savings and reducing water runoff. The irrigation system also included the installation of a smart water meter. The smart water meter provides water consumption history to the City via a 3G battery-powered transmitter that will send data to a Cloud. City staff now have access to view irrigation events and water consumption for any given period.



Monterey County District

The programs funded by California American Water's conservation surcharge during 2018 are summarized in Table 8 and described in detail in the narrative that follows.

Table 8. Monterey County District: Conservation Programs

Table 8. Monterey County District: Conservation Programs									
Name of measure, as listed in Decision or Settlement	Description of measure	Authorized budget 2018	# of units / activities	\$ per unit, activity, etc.	Total \$ spent	Estimated water savings per unit/year (AF)	Unit lifespan (years)	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Conservation Staff/training	Conservation staffing	\$ 6,667		N/A	\$ 77	n/a	n/a	n/a	n/a
Public Information programs	Advertising, PSAs, Community Events	\$100,000	35	n/a	\$ 44,494	n/a	n/a	n/a	n/a
School Education programs	Resource Action Programs (Livingwise Prgm) and National Theater for Children	\$ 5,000	12	n/a	\$ 4,133	n/a	n/a	n/a	n/a
Residential Water Audits	Residential audits (in-house and vendor)	\$ 8,333	437	Approx. \$250	\$ 13,668	0.04	5	17.48	87.4
Low Flow Fixtures (see table 9)	Conservation devices	\$ 14,500	30,572	varies	\$ 40,847	varies	5	34.5535	172.7675
Rebates	Residential and non-Res	\$533,333	1148	varies	\$380,883	varies	10	152.13	1521.3
Soil Moisture and Rain Sensor Install Program	direct install	\$ 8,333	28	varies	\$ 9,679	varies	10		
Low Income Water/Energy Direct Install	no invoice in 2018	\$ 25,000	0	varies	\$ -	0.0425	20	0	0
Landscape Upgrade Grant Program	Public landscape retrofit	\$ 15,000	0	n/a	\$ -			0	0
CII and Large Landscape Conservation (Audits)	CII & LL Audits	\$ 50,000	7	varies	\$ 11,972	0.66	5	4.62	23.1
Sustainable Landscape Programs	Mulch Give-away event	\$ -	1	n/a	\$ 20,170	n/a	n/a	n/a	n/a
Total		\$766,166			\$525,923			208.784	1804.568

BMP 1.1 Conservation Coordinator (Staffing)

In 2018, 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.

Mailers/Bill Inserts

Throughout the year, the company utilized inserts/mailers/postcards on various subjects, including: different methods for paying (i.e. switching to paperless); reminders to follow the outdoor watering schedule; free workshops for a mixture of different water-users; and offers to receive a free water conservation consultation with an expert.



California American Water provided brochures/other items for water wise house calls; promoted meetings with California American employees; created fact sheets on wastewater, how to read a meter, and desalination; and provided water conservation guides to be used by homeowners, landlords, and non-residential areas. Associated with these Water Wise brochures, were at home water audits by conservation specialists.

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.

Website Articles and Email Blasts

The drought officially ended with the close of April 2017, so continued email blasts were unneeded. However, California American Water continued to encourage customers to maintain high levels of conservation and provided an educational email on what conservation regulations would be staying in place.

During the rest of the year, California American Water shared articles focusing on the recovery of the Carmel River and local steelhead populations due to the San Clemente Dam removal.

Notable stories, like the rebounding of the steelhead populations, are useful for convincing people to conserve water, as they enjoy knowing how their efforts benefit the local environment.

Social Media

California American Water continued its social media support of conservation outreach by complimenting and echoing the same messaging produced in its newspaper advertisements 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 to inform its followers about conservation tips and conservation events. California American Water sponsors the Monterey Peninsula's local public radio station and is featured on regular radio spots. In 2018 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.

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 2018, California American Water and MPWMD participated in the following

EACH DROP ADDS UP

When you see a faucet dripping water, you don't think about the thousands of gallons that little leak can one day become. Over time, those wasted drops can do damage to your water bill. Here are some fast facts and quick tips to help you learn more about household leaks and how to prevent them from posing an unnecessary cost.

180 SHOWERS' WORTH OF WATER LOST IN A YEAR DUE TO A FAUCET LEAKING AT ONE DROPPING.

THE AVERAGE HOUSE WASTES ENOUGH WATER FROM LEAKS PER YEAR TO FILL 1 BACKYARD SWIMMING POOL.

10% AVERAGE AMOUNT HOMEOWNERS CAN SAVE ON WATER BILLS BY FIXING LEAKS.

13,000 AVERAGE GALLONS OF WATER SAVED PER HOUSEHOLD PER YEAR AFTER UPGRADING OLD TOILETS.

5+ LAUNDRY LOADS OF WATER LOST TO LEAKAGE EACH WEEK PER HOUSEHOLD.

1 IN 10 HOMES HAS LEAKS THAT WASTE 90+ GALLONS PER DAY.

MORE THAN 1 TRILLION GALLONS OF WATER WASTED ANNUALLY NATIONWIDE FROM HOUSEHOLD LEAKS.

WHEN TO FIX A LEAK AND WHEN TO CALL FOR HELP

DO IT YOURSELF	CALL A PROFESSIONAL
<p>Toilets If your toilet leaks dripping and refilling, the plunger ball or flapper valve may need to be replaced.</p> <p>Sinks When a faucet keeps dripping, the problem is most likely a worn or improperly fitted washer.</p> <p>Outside faucets If faucets around your house haven't drained or shut properly, cold weather might be the culprit. Fligid water temperatures can cause freeze-ups. You can check for leaks when it gets warmer.</p>	<p>Refrigerators If you notice excessive ice accumulation in the freezer and small puddles under your refrigerator, the ice-making machine could be broken.</p> <p>Dishwashers Water on the floor around your machine could indicate a leak.</p> <p>Hot water tanks Water dripping down the side of the tank and accumulating on the floor is often a sign that the pressure valve release isn't working properly.</p> <p>Washing machines Some as the dishwasher, water on the floor around your washing machine could indicate a leak.</p>
<p>THE TWO-HOUR TEST While not using any water, check your water meter before and after a two-hour period. If the meter registers any changes during the time, you most likely have a leak.</p>	<p>Outside service line If you notice a soft, wet spot on your lawn or hear water running outside the house, the service line to your house may be leaking.</p> <p>Sprinkler systems Look for soft spots on your lawn. This can be an indication of a leak flowing into the ground.</p>

AMERICAN WATER
WE KEEP LIFE FLOWING

Download our leak-detection kit at amwater.com.
606262 - United States. Available in select markets only.

WaterSense
PERMANENT

events: Pacific Grove Good Old Days, Earth Day, and through membership in the Water Awareness Committee of Monterey County, the Monterey County Fair.

BMP 2.2 School Education Program

In 2018, 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 regarding water conservation.



Zun Zun School Performances

California American Water, through the Water Awareness Committee of Monterey County, offered school presentations by the Zun Zun performance group. In 2018, Zun Zun provided twelve 45-minute performances within California American Water's service territory. The performances reached a total of 1,977 students and covered topics such as the water cycle, watershed, indoor conservation and conservation tips, including information about fixing leaks.

Students were encouraged to participate during the event through a song and dance presentation of the water cycle. Conservation tips were also presented to the students such as taking shorter showers, not letting the faucet run when brushing teeth, using a positive shut off nozzle at the end of a hose when watering the plants, and to notify their parents when they see leaks at home or their school teacher when they see leaks at school.

BMP 3 Residential Water Audits

California American Water continued its Water Wise House Call Program (residential audits) in 2018 utilizing in house trained certified audit staff at no cost to the conservation budget. The program has been in effect since 2008 and consists of offering free residential audits for single and multi-family properties to identify ways the customer can save water indoors and out and detect leaks.

California American Water's conservation staff completed 437 Water Wise House Calls in 2018. In addition, conservation staff completed 273 high bill investigations and 79 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, as well as the offering of free rain sensors installed by California American Water Company's contractors.

California American Water promoted the Water Wise House Call program through bill inserts, rebate brochures, offer 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.

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

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 2018, California American Water and MPWMD distributed the following conservation devices to customers:



**FREE
WATER WISE
HOUSE CALLS**

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

Table 9. Monterey County District: Plumbing Retrofit Detail

Table 9. Monterey County District: BMP 3 & 4 Plumbing Retrofit Detail – California American Water							
Name of measure, as listed in Decision or Settlement	# of units bought	\$ per unit, activity, etc.	Total \$ spent 2018	Estimated water savings per unit/year (AF)	Unit lifespan	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Showerheads	2373	\$4.72		0.0062	5	14.7126	73.563
Faucet Aerators	7425	\$1.75		0.0017	5	12.6225	63.1125
Toilet Flappers	0	\$1.88		0.0047	5	0	0
Tank banks	0	\$1.25		unknown	5	unknown	unknown
Drip Gauge	0	\$0.28		unknown	5	unknown	unknown
Leak Detection tablets	5900	\$0.06		0.0007	5	4.13	20.65
Leak Detection kits	2732	\$0.06		0.0007	5	1.9124	9.562
Pre rinse Spray valve	3	\$19.98		0.392	5	1.176	5.88
Hose Timers	0	\$7.48		unknown	5	unknown	unknown
Shower Timer	2742	\$1.69		unknown		unknown	unknown
Dish Squeegees	3326	\$0.69		unknown	5	unknown	unknown
Water Efficiency Measurer Bag	0	\$0.12		unknown	-	unknown	unknown
Shower Pause Valve	0	\$1.94		unknown	-	unknown	unknown
Hose spray nozzle	3339	\$3.37		unknown	5	unknown	unknown
Soil Probe	2732	\$2.50		unknown	5	unknown	unknown
	30,572		\$ 40,847			34.5535	172.7675

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 2018, 1,148 rebate applications were approved.

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

Mulch Give Away Event

California American Water in March of 2018 partnered with the City of Monterey, and held a free mulch giveaway event during the City's Annual Cutting Day. Participating agencies were the Monterey Peninsula Water Management District and the Monterey Regional Storm water & Education Alliance of Monterey. (MRSWMP) The event was located at the City's Friendly Plaza at Colton Hall.

The event was promoted through the mailing of over 8,000 postcards to select customers in California American Water's service area that could best benefit from the potential water savings for their landscapes. Additional promotion included California American Water's and the MPWMD's Facebook pages. The event was implemented on a first come first served basis where customers would first register and provide proof of residing in California American Water's service area. Customers were required to complete an application and confirm the mulch would be used at their place of residence.

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

In 2018, California American Water continued its Rain Sensor Installation Program through its contractor WaterWise Consulting. A total of 468 rain sensors have been installed since the program began in 2011 for residential and non-residential customers. In 2018, a total of 28 rain sensors were installed for residential customers. Since 2013, the rain sensor installation program is now only offered to residential customers since the non residential customers are now required to have them installed.

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. Several households were retrofitted in 2018 but invoiced in 2019.

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 programs.



Sacramento District

The programs funded by California American Water's conservation surcharge during 2018 are summarized in Table 10:

Table 10. Sacramento District: Conservation Programs

Table 10. Sacramento District: Conservation Programs									
Name of measure, as listed in Decision or Settlement	Description of measure	Authorized budget 2018	# of units / activities	\$ per unit, activity, etc.	Total \$ spent	Estimated water savings per unit/year (AF)	Unit lifespan (years)	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Conservation Staff	Conservation staffing	\$ 68,796	1 Rep	N/A	\$ 61,830	n/a	n/a	n/a	n/a
Public Information programs	Advertising, PSAs, Community Events	\$ 46,667		n/a	\$ 10,682	n/a	n/a	n/a	n/a
School Education programs	Resource Action Programs (Livingwise Prgrm) and National Theater for Children	\$ 30,167	1263	n/a	\$ 40,624	n/a	n/a	n/a	n/a
Residential Water Audits	Residential audits (in-house and vendor)	\$ 20,000	162	Approx. \$250	\$ -	0.04	5	6.48	32.4
Low Flow Fixtures (see table 11)	Conservation devices	\$ 8,333	6,442	varies	\$ 7,433	varies	5	1.8592	9.296
Residential Rebates	HECW	\$ -	0	varies	\$ (100)	0.1075	10	0	0
Residential Rebates	HEDW	\$ -	0	\$ 75	\$ 125				
Residential Rebates	Toilet	\$ -	271	\$ 150	\$ 7,981	0.0425	20	11.5175	230.35
Residential Rebates	Rain Barrel	\$ -	0	varies	\$ -			0	0
Residential Rebates	Turf removal	\$ -	3197 sqft	\$1 per sqft	\$ 3,197	0.00013/sqft	10	0.41561	4.1561
Low Income Water/Energy Direct Install	no event in 2018	\$ 22,000	12	varies	\$ 4,461	0.0425	20	0.51	10.2
CII and Large Landscape Conservation (Audits)	CII & LL Audits	\$ 76,667	11	varies	\$ 4,102	0.66	5	7.26	36.3
Non-residential Rebates	various	\$ 6,666	205	varies	\$ 1,547	varies	10	8.0375	80.375
Memberships	CUWCC/ CALWEP	\$ -	n/a	n/a	\$ 3,175	n/a	n/a	n/a	n/a
Memberships	Regional Water Authority	\$ -	n/a	n/a	\$ 8,000	n/a	n/a		
Total		\$279,296			\$153,057			36.080	403.0771

BMP 1.1 Conservation Coordinator (Staffing)

In 2018, 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 conservation Representative position was funded out of the conservation surcharge one-way balancing account.

BMP 2.1 Public Information Program

California American Water maintained a very active conservation program in 2018. 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 and the Rosemont Community Association Annual meeting as well as other partnership activities with the Sunrise Park District. Typically at these events, the Company maintains a customer service booth 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 one bill insert to customers. 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 2018, approximately 1263 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 162 residential water surveys in 2018 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 2018:

Table 11. Sacramento District: Plumbing Retrofit Detail

Table 11. Sacramento District: BMP 3 & 4 Residential Plumbing Retrofit- Detail							
Name of measure, as listed in Decision or Settlement	# of units bought	\$ per unit, activity, etc.	Total \$ spent 2018	Estimated water savings per unit/year (AF)	Unit lifespan	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Showerheads	101	\$4.72		0.0062	5	0.6262	3.131
Faucet Aerators	172	\$1.75		0.0017	5	0.2924	1.462
Toilet Flappers	8	\$1.88		0.0047	5	0.0376	0.188
Tank banks	0	\$1.25		unknown	5	unknown	unknown
Drip Gauge	7	\$0.28		unknown	5	unknown	unknown
Leak Detection tablets	1290	\$0.06		0.0007	5	0.903	4.515
Hose Timers	17	\$7.48		unknown	5	unknown	unknown
Shower Timer	114	\$1.69		unknown		unknown	unknown
Water Efficiency Measurer Bag	0	\$0.12		unknown	-	unknown	unknown
Rain & Sprinkler Gauge	1	\$1.35		unknown	-	unknown	unknown
Shower Pause Valve	0	\$1.94		unknown	-	unknown	unknown
Hose spray nozzle	145	\$3.37		unknown	5	unknown	unknown
Soil Probe	74	\$2.50		unknown	5	unknown	unknown
	1,929		\$ 7,433			1.8592	9.296

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 low income customers in California American Water's Sacramento and Monterey districts through 2018 and 2019 with a significant portion of participating customers living in disadvantaged communities. Sacramento in 2018 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. Only a small portion of the work has been invoiced by year end 2018.

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 for residential properties were discontinued in 2018 due to lower conservation budget funding. Commercial Rebates were still offered to Commercial customers. In 2018, 205 Commercial rebates totaling \$30,084 were issued. These were mostly toilet rebates. Sacramento's Regional Water Authority, through a grant, offers its members reimbursement for rebates issued – thus the low expense for this category in 2018.

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 reducing 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 2018, Sacramento completed 9 CII audits and 2 LL audits.

Larkfield District

The programs funded by California American Water's conservation surcharge during 2018 are summarized in Table 12 and described in detail in the narrative that follows.

Table 12. Larkfield District: Conservation Programs

Table 12. Larkfield District: Conservation Programs									
Name of measure, as listed in Decision or Settlement	Description of measure	Authorized budget 2018	# of units / activities	\$ per unit, activity, etc.	Total \$ spent	Estimated water savings per unit/year (AF)	Unit lifespan (years)	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Conservation Staff	Conservation staffing	\$ 8,333	0	N/A	\$ -	n/a	n/a	n/a	n/a
Public Information programs	Advertising, PSAs, Community Events	\$ 3,333		n/a	\$ 2,784	n/a	n/a	n/a	n/a
School Education programs	small scale school education programs	\$ 633	provided learning material from inventory	n/a	\$ -	n/a	n/a	n/a	n/a
Residential Water Audits	Residential audits (in-house and vendor)	\$ 767	4	Approx. \$250	\$ 917	0.04	5	0.16	0.8
Low Flow Fixtures (see table 13)	Conservation devices	\$ 1,500	745	varies	\$ 1,492	varies	5	0.8025	4.0125
Residential Rebates	HECW	\$ -	0	varies	\$ -	0.1075	10	0	0
Residential Rebates	HEDW	\$ -	0	\$ 75	\$ -				
Residential Rebates	Toilet	\$ -	0	\$ 65	\$ -	0.0425	20	0	0
Residential Rebates	Rain Barrel	\$ -	0	varies	\$ -			0	0
Residential Rebates	Turf removal	\$ -	0	\$1 per sqft	\$ -	0.00013/sqft			
Low Income Water/Energy Direct Install	no event in 2018	\$ -	0	varies	\$ -	0.0425	20	0	0
CII and Large Landscape Conservation (Audits)	CII & LL Audits	\$ 667	0	varies	\$ -	0.66	5	0	0
Memberships	CUWCC/CALWEP	\$ -	n/a	n/a	\$ 176	n/a	n/a	n/a	n/a
Total		\$ 15,233			\$ 5,369			0.963	4.8125

BMP 1.1 Conservation Coordinator (Staffing)

In 2018, California American Water's Larkfield District did not fund a part time conservation staff position.

BMP 2.1 Public Information Program

California American Water's Larkfield district had lost approximately one third of its customer base from the devastating Tubbs wildfires that occurred in late 2017. Several hundred of customers' homes were completely destroyed during the fires. In 2018 the community was still recovering and California American Water provided assistance where needed. The community's focus was on recovery and rebuilding what had been lost and California American Water worked with customers that needed new water installations. Although conservation efforts were not at the center of the community's focus, the Company broadened and formalized its partnership with the Sonoma Marin Saving Water Partnership and participated in conversations on rebuilding landscapes that would be California climate appropriate.

California American Water's Larkfield District also 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 and attended Sonoma County Water Agency's water conservation coordinators meetings.

BMP 2.2 School Education Program

California American Water provided children water conservation education material to school teachers in Larkfield in 2018.

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. Four such audits (residential) were performed by this vendor in 2018. A number of audits were also performed by in-house Operations staff in 2018.

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, customers are able to apply for HET and HECW rebates through the Sonoma County Sanitation District. This includes a limited number of CII rebates as well.

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 2018:

Table 13. Larkfield District: Plumbing Retrofit Detail

Table 13. Larkfield District: BMP 3 & 4 Residential Plumbing Retrofit- Detail							
Name of measure, as listed in Decision or Settlement	# of units bought	\$ per unit, activity, etc.	Total \$ spent 2018	Estimated water savings per unit/year (AF)	Unit lifespan	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Showerheads	75	\$4.72		0.0062	5	0.465	2.325
Faucet Aerators	75	\$1.75		0.0017	5	0.1275	0.6375
Toilet Flappers	0	\$1.88		0.0047	5	0	0
Tank banks	0	\$1.25		unknown	5	unknown	unknown
Drip Gauge	25	\$0.28		unknown	5	unknown	unknown
Leak Detection tablets	300	\$0.06		0.0007	5	0.21	1.05
Hose Timers	0	\$7.48		unknown	5	unknown	unknown
Shower Timer	50	\$1.69		unknown		unknown	unknown
Water Efficiency Measurer Bag	0	\$0.12		unknown	-	unknown	unknown
Rain & Sprinkler Gauge	0	\$1.35		unknown	-	unknown	unknown
Shower Pause Valve	0	\$1.94		unknown	-	unknown	unknown
Hose spray nozzle	145	\$3.37		unknown	5	unknown	unknown
Soil Probe	75	\$2.50		unknown	5	unknown	unknown
	745		\$1,492			0.8025	4.0125

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 2018, no CII audit was completed in Larkfield.

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	\$ 173,737
(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)	\$ 6,833,502
Other Business Services (includes call center, lab, supply chain, T&I, facilities, and security)	<u>\$ 9,890,443</u>
Total	\$16,723,945

(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;
3

(f) employees transferred from any affiliated company to regulated water utility; and
1

(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 per Affiliate Transaction Rule IV.C
CALIFORNIA AMERICAN WATER - ANNUAL LIST OF SHARED DIRECTORS AND OFFICERS AS OF MAY 23, 2019

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 and Assistant Secretary
Cerasuolo, Anthony	Hawaii-American Water Company	Director	Director
Cerasuolo, Anthony	Hawaii-American Water Company	Officer	Vice President, Legal
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.	Water Solutions Holdings, LLC	Director	Director
Manes, Dan	American Lake Water Company	Officer	Assistant Comptroller
Manes, Dan	Illinois-American Water Company	Officer	Assistant Controller
Manes, Dan	Iowa-American Water Company	Officer	Assistant Controller
Manes, Dan	Kentucky-American Water Company	Officer	Assistant Comptroller
Manes, Dan	Missouri-American Water Company	Officer	Assistant Controller
Manes, Daniel	American Water Works Service Company, Inc.	Officer	Assistant Controller
Manes, Daniel	California-American Water Company	Officer	Assistant Controller
Manes, Daniel	Hawaii-American Water Company	Officer	Assistant Controller
Manes, Daniel	Indiana-American Water Company, Inc.	Officer	Assistant Comptroller
Manes, Daniel	Michigan-American Water Company	Officer	Assistant Comptroller
Manes, Daniel	Tennessee-American Water Company	Officer	Assistant Controller
Manes, Daniel T	Edison Water Company	Officer	Assistant Comptroller
Manes, Daniel T	Environmental Disposal Corp.	Officer	Assistant Comptroller
Manes, Daniel T	Liberty Water Company	Officer	Assistant Comptroller
Manes, Daniel T	Maryland-American Water Company	Officer	Assistant Comptroller
Manes, Daniel T	Mt. Ebo Sewage Works, Inc.	Officer	Assistant Comptroller
Manes, Daniel T	New Jersey-American Water Company, Inc.	Officer	Assistant Comptroller
Manes, Daniel T	New York American Water Company, Inc.	Officer	Assistant Comptroller
Manes, Daniel T	Virginia-American Water Company	Officer	Assistant Comptroller
Manes, Daniel T.	Bluefield Valley Water Works Company	Officer	Assistant Comptroller
Manes, Daniel T.	Pennsylvania-American Water Company	Officer	Assistant Comptroller
Manes, Daniel T.	West Virginia-American Water Company	Officer	Assistant Comptroller

Schedule E-4 Attachment per Affiliate Transaction Rule IV.C
CALIFORNIA AMERICAN WATER - ANNUAL LIST OF SHARED DIRECTORS AND OFFICERS AS OF MAY 23, 2019

Personnel Name	Business Entity	Title Role	Title
Svindland, Richard	American Water Works Service Company, Inc.	Director	Director
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.	Officer	Vice President - Investor Relations
Vallejo, Edward D.	California-American Water Company	Director	Director
Wilde, John	American Lake Water Company	Officer	Assistant Comptroller
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	Missouri-American Water Company	Officer	Assistant Comptroller
Wilde, John	Tennessee-American Water Company	Officer	Assistant Treasurer
Wilde, John	TWNA, Inc.	Officer	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.	AWIP Holdings LLC	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.	Environmental Disposal Corp.	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

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	\$ 15,214
Add: Surcharge collections	<u>10,173</u>
Interest earned	<u>203</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>\$ 16,341</u>

4. Reason for other deposits/withdrawals

Loan Payments

5. Total Accumulated Reserve: \$ 5,087

**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 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, 2018, through December 31, 2018.

President
Title (Please Print)


Signature

619 446-4761
Telephone Number

5/31/19
Date

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California American Water
GO 103A Customer Service Performance Measures
 Companywide Information 2018

Performance Standards	Performance Measure	2018
Telephone Performance		
Total Calls Received		151,650
Total Calls Answered in 30 seconds		111,739
% of Calls Answered in 30 seconds	≥ 80%	74%
Total Abandoned Calls		37,781
% Abandoned Call Rate	≤ 5%	25%
Billing		
Total Bills Rendered		2,153,598
Total Bills Rendered in 7 days		2,107,558
% Bills Rendered in 7 days	≥ 99%	98%
Total Inaccurate Bills		8,560
% of Inaccurate Bills	≤ 3%	0.40%
Total Payments Posted		1,927,756
Total Errored Payments		5,571
% Payment Posting Error	≤ 1%	0.289%
Total Number of Final Bills		22,465
Final Bills Issued after 14 days		2,214
% Final Read and Final Bil Issued after 14 days	≤ 14 Days	10%
Meter Reading		
Total Scheduled Actual Meter Reads		2,104,149
Total Estimated Meter Reads		24,237
% Scheduled Meters not Read	≤ 3%	1.1%
Work Order Completion		
% Total Customer Met Appointments	≥ 95%	98.5%
% Total Missed Customer Appointments	≤ 5%	1%
Total Scheduled Work Orders Customer Requested		84,271
Total Completed Work Orders as Scheduled		88,803
Total Incomplete /Canceled Work Orders		3,885
% Customer Work Orders not Completed	≤ 5%	4%
Customer/Regulatory Complaints		
Total Number of Customers		177,501
# of CAB Formal and Informal Complaints		43
% Rate of Complaints to CAB	≤ .1%	0.02%

2018 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 2016 GRC. This 2018 update is consistent with last year's update.

Reduction Efforts / Activities as of December 2018:

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 Ventura County District tracks all leaks and these records become a part of the Conditional Based Assessment (CBA). Based on this information, the CBA can then identify frequent leak areas within the system. This information will assist in determining future replacement projects within the District. The district also maintains an aggressive valve and hydrant inspection program, as well as a length of service meter program. In 2018, the District, working under a grant from the California Energy Commission, (CEC) conducted a pilot project aimed at reducing the number of leaks in the distribution system. The project was designed to demonstrate "Innovative Leakage Reduction Strategies". A "Flow Sensitive Pressure Reducing Valve" system strategy, (FSRPV) was used. In addition, a traditional yet effective approach of managing water loss through the creation of a "Distribution Metering Area", (DMA) was also used. The DMA did not result in any Points of Interest, (POI's). Therefore, no subsurface leaks were found. Despite significant time spent adjusting the FSRPV to align with the system pressure, the FSRPV system did not operate as intended, and was ultimately removed. Other than those steps outlined here and above, no additional steps are being undertaken at this time.

- LA: The Los Angeles County District tracks all leaks and these records become a part of the Conditional Based Assessment (CBA). Based on this information, the CBA can then identify frequent leak areas within the system. This information will assist in determining future replacement projects within the District. The district also maintains an aggressive valve and hydrant inspection program, and length of service meter program. In 2018, the District, working under a grant from the California Energy Commission, (CEC) conducted a pilot project aimed at locating subsurface leaks in its Duarte distribution system. The project was designed to demonstrate “Innovative Leakage Reduction Strategies”. “Correlating Continuous Acoustic Monitoring”, (CCAM) and Satellite Imagery Leak Detection, (SILD) strategies were used. The findings showed that the CCAM strategy generated 77 Points of Interest (POI’s). Of which, 49 were investigated. Resulting in the detection of 20 subsurface leaks. This represents a 41% leaks found per POI. The average flow for these leaks was 17 gpm. The SILD strategy generated 504 POI’s. Of which, 114 were investigated. Resulting in the detection of 117 subsurface leaks. This represents an 80% leaks found per POI. The average flow for these leaks was 7 gpm.
- San Diego: The San Diego County District tracks all leaks and these records become a part of the Conditional Based Assessment (CBA). Based on this information, the CBA can then identify frequent leak areas within the system. This information will assist in determining future replacement projects within the District. The district also maintains an aggressive valve and hydrant inspection program, and length of service meter program. In 2018, the District, working under a grant from the California Energy Commission, (CEC) conducted a pilot project aimed at reducing the number of leaks in the distribution system. The project was designed to demonstrate “Innovative Leakage Reduction Strategies”. A “Flow Sensitive Pressure Reducing Valve” system strategy, (FSRPV) was used. In addition, a traditional yet effective approach of managing water loss through the creation of a “Distribution Metering Area”, (DMA) was also used. The DMA did not result in any Points of Interest, (POI’s). Therefore, no subsurface leaks were found. The FSRPV system did reduce system pressure in the zone. Ultimately however, it had to be removed because the pressure differentials created by the FSRPV put the zone out of G103A compliance as it relates to minimum system pressure. Other than those steps outlined here and above, no additional steps are being undertaken at this time.

Coastal Division

- Completed Advanced Metering Infrastructure (AMI) pilot 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 with an average of approximately one mile of mains replaced every year. 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 2018.

- 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 2018.

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 2019-2020

- All Districts: Continuation of all the above activities.
- All Districts: Continuation of all IPs listed in the original document as approved in the 2016 GRC (real losses).
- LA: Continuation of the “System Improvements” IP in the Duarte System to allow for the eventual retirement of the Duarte/Bradbury Irrigation System.
- Monterey: Continued Main Replacement – California American Water is planning over ten projects/locations in 2019 that will target replacement of leak prone water mains to reduce real losses.
- Monterey: Continued SCADA Improvement – The Monterey SCADA system improvement project improves communication with remote site(s) and allow better control of facilities via cellular modems. This in turns allows operators to react quicker if tank levels start dropping due to a major main break.

Long Term Plans

- LA: The retirement of Duarte/Bradbury Irrigation System will be completed within the 2018-2020 rate cycle. There are seven customers remaining to be removed from the system. Once the system is abandoned undetected non-surfacing leakage and evaporation from open reservoirs will be reduced.
- 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.
- Monterey: Commencement of full AMI implementation, if authorized in the 2021-2023 GRC.
- 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.