

Received _____

Examined _____

CLASS A
WATER UTILITIES

U# _____

2019
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, 2019

REPORT MUST BE FILED NO LATER THAN MARCH 31, 2020

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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, 2020**, with:

CALIFORNIA PUBLIC UTILITIES COMMISSION
WATER DIVISION
ATTN: BRUCE DEBERRY
505 VAN NESS AVENUE, ROOM 3200
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, 2019, through December 31, 2019. 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 2019

Name of Utility: California-American Water

Telephone: 619-446-4761

Person Responsible for this Report: Richard Svindland

	<u>1/1/2019</u>	<u>12/31/2019</u>	<u>Average</u>
UTILITY PLANT DATA			
1 Total Utility Plant	\$ 1,168,686,788	\$ 1,255,764,346	\$ 1,212,225,567
2 Total Utility Plant Reserves	(345,338,510)	(366,032,801)	(355,685,656)
3 Total Utility Plant Less Reserves	823,348,278	889,731,545	856,539,911
4 Advances for Construction	20,637,652	20,873,608	20,755,630
5 Contributions in Aid of Construction	67,448,373	69,436,819	68,442,596
6 Total Accumulated Deferred Taxes	93,314,986	107,632,874	100,473,930
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	85,089,953	99,160,650	92,125,302
14 Total Capital Stock	415,267,170	459,793,615	437,530,393
15 Total Proprietary Capital (Individual or Partnership)	-	-	-
16 Total Long-Term Debt	358,697,048	382,567,964	370,632,506

INCOME, EXPENSES, AND OTHER DATA

Calendar Year 2019

Name of Utility: California-American Water

Telephone: 619-446-4761

	Annual Amount
INCOME/EXPENSES DATA	
1 Operating Revenues	\$ 228,051,894
2 Operating Expenses	\$ 131,746,550
3 Depreciation - and Amortization	\$ 28,601,694
4 Taxes	\$ 21,774,121
5 Income from Nonutility Operations (net)	\$ 4,374,198
6 Interest on Long-Term Debt	\$ 18,367,306
7 Net Income	\$ 42,335,714
8	
OPERATING EXPENSES DATA	
10 Source of Supply Expense	\$ 52,251,113
11 Pumping Expenses	\$ 8,897,976
12 Water Treatment Expenses	\$ 4,846,286
13 Transmission and Distribution Expenses	\$ 9,421,258
14 Customer Account Expenses	\$ 2,278,827
15 Sales Expenses	\$ -
16 Recycled Water Expenses	\$ -
17 Administrative and General Expenses	\$ 21,459,683
18 Miscellaneous	\$ 32,591,407
19 Total Operating Expenses	\$ 131,746,550

OTHER DATA

	Jan. 1	Dec. 31	Annual Average
23 <u>Active Service Connections</u> (Exc. Fire Protect.)_____			
24			
25 Metered Service Connections	172,481	173,558	173,020
26 Flat Rate Service Connections	18,421	18,321	18,371
27 Total Active Service Connections	190,902	191,879	191,391

UTILITY PLANT AND CAPITALIZATION DATA Adjusted to Exclude Non-Regulated Activity

Calendar Year 2019

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

Person Responsible for this Report: Richard Svindland

	<u>1/1/2019</u>	<u>12/31/2019</u>	<u>Average</u>
UTILITY PLANT DATA			
1 Total Utility Plant	\$ 1,168,686,788	\$ 1,255,764,346	\$ 1,212,225,567
2 Total Utility Plant Reserves	(345,338,510)	(366,032,801)	\$ (355,685,656)
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4 Advances for Construction	20,637,652	20,873,608	\$ 20,755,630
5 Contributions in Aid of Construction	67,448,373	69,436,819	\$ 68,442,596
6 Total Accumulated Deferred Taxes	93,314,986	107,632,874	\$ 100,473,930
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	85,089,953	99,160,650	\$ 92,125,302
14 Total Capital Stock	415,267,170	459,793,615	\$ 437,530,393
15 Total Proprietary Capital (Individual or Partnership)	-	-	\$ -
16 Total Long-Term Debt	358,697,048	382,567,964	\$ 370,632,506

INCOME, EXPENSES, AND OTHER DATA
Adjusted to Exclude Non-Regulated Activity
 Calendar Year 2019

Name of Utility: California-American Water

Telephone: 619-446-4761

		Annual Amount
INCOME/EXPENSES DATA		
1	Operating Revenues	\$ 227,964,005
2	Operating Expenses	\$ 131,746,550
3	Depreciation	\$ 28,601,694
4	Taxes	\$ 21,755,664
5	Income from Nonutility Operations (net)	\$ 4,374,198
6	Interest on Long-Term Debt	\$ 18,367,306
7	Net Income	\$ 42,335,714
8		
OPERATING EXPENSES DATA		
10	Source of Supply Expense	\$ 52,251,113
11	Pumping Expenses	\$ 8,897,976
12	Water Treatment Expenses	\$ 4,846,286
13	Transmission and Distribution Expenses	\$ 9,421,258
14	Customer Account Expenses	\$ 2,278,827
15	Sales Expenses	\$ -
16	Recycled Water Expenses	\$ -
17	Administrative and General Expenses	\$ 21,459,683
18	Miscellaneous	\$ 32,591,407
19	Total Operating Expenses	\$ 131,746,550
20		
OTHER DATA		
21		
22		
23	<u>Active Service Connections</u> (Exc. Fire Protect.)_____	Annual Average
24		
25	Metered Service Connections	173,020
26	Flat Rate Service Connections	18,371
27	Total Active Service Connections	191,391

	Jan. 1	Dec. 31	Annual Average
172,481	172,481	173,558	173,020
18,421	18,421	18,321	18,371
190,902	190,902	191,879	191,391

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 \$87,889
2	is the non-tariffed activity as referenced in Excess Capacity Schedule
3	
4	Taxes, Federal Corporate Income Tax, Account Number 507, Dollar Amount \$18,457
5	represents tax effect of reduction of non-tariffed revenues described above.
6	
7	
8	
9	
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 2019:

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 Leases			
Cingular (1)	Passive	(50,312)	(15,094)
Sprint United Management Co. (1)	Passive	(22,546)	(6,764)
*Verizon Wireless (1)	Passive	(42,197)	(12,659)
Silke Communications(1)	Passive	(6,600)	(1,980)
Conterra Ultra Broadband LLC (1)	Passive	(3,901)	(1,170)
Total Antenna & Real Property Leases		(125,556)	(37,667)

¹ Please refer to the pdf filing of California-American Annual Report for additional information on NTP&S Projects

2019 Annual Report of California-American Water Company
to the California Public Utilities Commission

ATTACHMENT 2

2019 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 2019, CAWC had a total of six (6) antenna leases/license agreements with five (5) different carriers for various locations in its Ventura, Monterey, and Sacramento County Districts. Under these agreements, cellular service providers install, maintain and operate their antennas and appurtenances on CAWC properties without interference to normal day-to-day operations. During calendar year 2019, CAWC had no real property leases.

B. Operation and Maintenance Agreements. During calendar year 2019, 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). During calendar year 2019, CAWC did not enter into any new antenna leases/license agreements or real property leases and therefore no notices were required to be filed.

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. 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 2019, 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 June 11, 2020

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>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: <u>Rio Plaza Water Company</u> | Date: <u>June 4, 2019</u> |
| 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

Name	WATER DISTRIBUTION				WATER TREATMENT				WASTEWATER TREATMENT		
	Grade	Opr #	Exp Date		Grade	Opr #	Exp Date		Grade	Opr #	Exp Date
SACRAMENTO (including Larkfield)											
Biedenbender, Dayton	D5	36752	2/1/2022		T3	31380	1/1/2023		-	-	-
Burke, Tyler	D3	41077	5/1/2021		T2	33238	7/1/2023		-	-	-
Casebier, Steve	D2	14641	12/1/2021		T3	12161	12/1/2022		WW2	28594	44012
Christenson, Dan	D2	14642	8/1/2021		-	-	-		-	-	-
Claxton, Rodney	D2	35736	4/1/2021		-	-	-		-	-	-
Cokley, Jirasak	D2	32983	5/1/2022		-	-	-		-	-	-
Eastman, Billy	D3	36614	1/1/2021		-	-	-		-	-	-
Epps, Brian	D4	5831	4/1/2021		T4	10786	11/1/2022		-	-	-
Fackrell, Orson	D2	37187	11/1/2021		T3	22768	8/1/2022		WW1	28548	44012
Fernandez, David	D1	51660	5/1/2022		-	-	-		-	-	-
Folsom, Bryan	D2	43927	5/1/2023		T2	40039	1/1/2023		-	-	-
Fuller, Mike	D2	27713	6/1/2022		T1	27574	7/1/2021		-	-	-
Garcia, Oscar Avalos	D3	44699	6/1/2022		T2	44699	11/18/2020		-	-	-
Hannon, M. "Sonny"	D5	36062	3/1/2021		T4	29121	3/1/2022		-	-	-
Jaimes, Miguel	D2	50326	10/1/2021		-	-	-		-	-	-
Martin, Jose L.	D2	35984	4/1/2021		-	-	-		-	-	-
Nylander, Kevin	D4	43299	3/1/2022		T2	35773	1/1/2023		-	-	-
Olivarez, Oscar	D2	20175	6/1/2021		-	-	-		-	-	-
Olsen, Nathan	D3	47245	7/1/2022		T2	37228	6/1/2021		-	-	-
Perez, Osvaldo	D2	36023	4/1/2021		-	-	-		-	-	-
Polillo, Stephen	D2	40442	12/1/2020		-	-	-		-	-	-
Sanborn, Daniel	D3	35324	6/1/2023		T3	36204	4/1/2023		-	-	-
Silvas, Jered	D2	33341	10/1/2022		T2	35725	7/1/2022		-	-	-
Stahl, Ashley	D2	48904	10/1/2020		T2	40562	7/1/2020		-	-	-
Tarp, Ronald D.	D2	28238	4/1/2022		T2	27634	7/1/2023		-	-	-
Trotter, Craig	D5	33347	7/1/2020		T2	29901	7/1/2020		-	-	-
Trush, Daniel	D3	20176	7/1/2021		T3	27672	4/1/2022		-	-	-
Valtman, Mark	D2	9805	6/1/2021		T2	26107	7/1/2021		-	-	-
Villasenor, Noe	D2	20177	1/1/2022		T2	27637	7/1/2021		OIT-1	44186	44122
Webster, Joshua	D3	33353	2/1/2021		T3	28576	8/1/2021		-	-	-
Wilson, Nick J.	D4	28338	2/1/2021		T4	29297	2/1/2021		WW2	41940	44424
Arnoldy, Sharon	D1	30266	1/1/2021								
Baril, Christina	D2	46329	12/1/2021		T2	37442	6/1/2021				
Bell, Jared	D2	8988	2/1/2021		T3	23413	3/1/2023				
Cheek, Jason	D4	35346	6/1/2020		T3	28808	4/1/2020				
Coleman, Terry	D2	29308	1/1/2022		T2	29889	7/1/2020				
Cook, Stephen	D3	5166	12/1/2021		T2	16950	6/1/2022				
Crowther, Chris	D4	26990	12/1/2020		T3	22906	4/1/2021				
DiGenova, Margaret	D4	25883	1/1/2023		T4	25767	4/1/2021				
Flint, Kevin L	D3	31038	9/1/2020		-	-	-				
Hamman, Zachary	D2	46220	12/1/2021		T2	36692	1/1/2021				
Kehoe, Casey	D2	43587	5/1/2020		T2	35132	2/1/2022				
Kunda, Victoria	D2	45911	10/1/2021		T2	37548	7/1/2021				
Lopez, Arturo	D2	52113	11/1/2022		-	-	-				
Mullins, Timothy L.	D3	5345	7/1/2021		T2	32625	1/1/2021				
Sadler, Walter	D2	39428	5/1/2023		T3	4389	1/1/2023				
Wilhelm, Karen	D2	48480	5/1/2023		-	-	-				

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	Grade	Opr #	Exp Date		Grade	Opr #	Exp Date		Grade	Opr #	Exp Date
MONTEREY											
Cook, Christopher	2	47720	11/1/2022								
DiMaggio, Joseph L.	2	9607	8/1/2021								
Garza, Ernesto	1	27751	6/1/2022								
Jacobson, Susan	1	25707	9/1/2021		2	25344	6/1/2020				
James, Carla	3	25726	10/1/2022		2	24434	7/1/2021				
James, Robert					3	11633	8/1/2020				
Lau, Helen	2	41637	5/1/2021		2	35831	6/1/2021				
Magdaleno, James	3	36741	4/1/2021		2	32031	7/1/2022				
Magretto, Mike	5	4552	2/1/2022		5	12255	9/1/2021		3	43059	43988
Moss, Robert	2	43035	5/1/2022		2	35056	1/1/2022		3	41116	44973
Silva, Lesley	5	5410	4/1/2022		2	35398	7/1/2022				
Wang, Jack	3	46579	4/1/2022		3	38325	4/1/2022				
Adams,Erik					1	38762	8/1/2022				
Aguilera, Veronica	2	46694	5/1/2022		2	38079	1/1/2022				
Aliganga, Alexander M.	2	38706	6/1/2020						2	42552	44550
Almanza, Salvador S.	2	10261	3/1/2021								
Alvarez, Antonio	3	42938	2/1/2023		3	36509	1/1/2022				
Andalon, Gerardo	1	46386	12/1/2021								
Arveson, Leonard	3	5639	3/1/2021		2	15717	6/1/2022				
Ask, Cody	3	47495	3/1/2023								
Bell, Aaron	1	48852	8/1/2020						OIT	WW-OIT	44400
Beltran, Jaime	1	46204	11/1/2021								
Bricker Jr., James P.	2	25659	1/1/2022		2	25090	1/1/2022		3	10743	44012
Bricker, Ryan	2	46984	12/1/2019		2	40853	1/1/2021				
Burritt, George V.	4	15007	12/1/2020		3	23813	8/1/2020		2	10381	44196
Bustamante, Sergio	3	28246	8/1/2022		4	27682	9/1/2021				
Ceballos, Raymond M.	1	31501	10/1/2021								
Coppla, Robert T.	4	4944	3/1/2021		4	14839	2/1/2023				
Cruz-Gonzalez, Ronaldo	2	37408	5/1/2022		1	31644	2/1/2022		2	28727	44377
Curtice, Luke E.	2	9606	8/1/2021								
Daniels, Gregory S.									2	10191	44377
Deese, Joshua J.	1	38093	6/1/2022								
Dorsey, Nestor T.	2	7178	8/1/2021								
Draeger, Randal M.	3	9837	8/1/2021								
Fox, Harriet	1	43219	11/1/2022								

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	Grade	Opr #	Exp Date		Grade	Opr #	Exp Date		Grade	Opr #	Exp Date
MONTEREY (continued)											
Fugitt, David A.	4	4549	4/1/2021		3	9697	5/1/2022				
Gamboa II, Tino	1	49966	5/1/2021					1	44161	44495	
Glass, Patricia M.	2	29978	5/1/2022		1	27417	3/1/2021				
Hall, Tiffani	2	47606	8/1/2021		2	41129	1/1/2021				
Herbst, Mark	2	48187	6/1/2021		2	41344	1/1/2021				
Hernandez, Manuel	2	37919	11/1/2022		2	34003	2/1/2022				
Jackson, Dominic A.	2	49763	12/1/2021		2	40996	1/1/2021				
Kolonics, Andrew J.	2	14940	8/1/2021		1	12828	3/1/2023				
La Sala, Vincent B.	3	9603	12/1/2021								
Lashley, Charles E.	1	28813	2/1/2023								
Lazaro, Tony	2	41244	5/1/2021		2	35313	7/1/2023	2	40590	44535	
Martignoni, Michael								2	28691	44377	
Martin, James A.	2	46991	5/1/2021								
Martin, James E.	3	6709	4/1/2021								
McCarter, Jason	2	42903	12/1/2020		2	37995	1/1/2022				
McKenzie, Thomas G.	2	10262	7/1/2021								
Mitchell, Everette	1	50410	10/1/2021								
Moreno, Cleotilde J.	2	29846	4/1/2022		1	28785	7/1/2022				
Munguia, Victor	1	37969	6/1/2022								
Murdock, Mitchell E.					2	25192	7/1/2020	3	6228	44199	
Nichols, James G. M.	4	4555	8/1/2021		2	18498	1/1/2022				
Olis, Danny	1	46553	3/1/2022								
Phillips, George F.	2	14947	5/1/2021								
Ramirez, Justin P.	2	36850	2/1/2023								
Rappa, Paul M.	3	4954	8/1/2021								
Rea, Andres	2	43037	11/1/2021		1	38098	1/1/2022				
Reynoso, Jesus A.	1	37636	5/1/2022								
Riso, Joseph J.	3	5407	3/1/2021								
Rudolph, Christopher	2	46053	5/1/2022		3	37326	7/1/2020				
Smith, Matthew A.	2	44402	11/1/2021		2	36985	7/1/2021				
Soto, Nicholas	3	44417	10/1/2021		3	36945	7/1/2021				
Terry, Ryan	2	44069	6/1/2020		3	33948	1/1/2020				
Torrente, Vincent	3	4958	8/1/2021								
Ward, Melissa	2	43254	5/1/2022		2	37841	1/1/2022				
Wigg, Cornelius	1	38796	3/1/2023								
Wood, Wesley H.	2	47057	6/1/2022								

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	Grade	Opr #	Exp Date	Grade	Opr #	Exp Date	Grade	Opr #	Exp Date
SAN DIEGO									
Abbott, John	D2	41473	8/1/2021						
Atkinson, Scott	D2	50928	5/1/2022						
Becerra, Robert	D3	9497	8/2/2020						
Cervantes, Havier	D2	32353	11/1/2020	T1	35557	8/1/2022			
Corrales, Luis	D2	42594	11/1/2020	-	-	-			
Estrada, Roberto	D2	49880	5/1/2021						
Garcia, Victor	D4	9065	5/1/2021	T2	23461	8/1/2020			
Hernandez, Jose (Charlie)	D2	10032	6/1/2021	-	-	-			
Klayko, Kaori	D1	51954	11/1/2022						
Lopez, Joel	D1	51698	6/1/2022						
Lopez, Pedro J.	D2	40527	12/1/2020	-	-	-			
Mattis, Chris	D5	4017	6/1/2021	T2	14655	6/1/2020			
McKenzie, Richard S.	D5	41617	11/1/2021						
Nessman, Chris	D4	9246	2/1/2023	T2	24861	1/1/2023			
Nevarez, Leonardo	D2	26731	12/1/2022	T1	25851	7/1/2022			
Salas, Martin	D3	27111	7/1/2022	T1	32655	1/1/2023			
Saldana, Cristina	D1	50202	2/1/2021						
Saldivar, Richard	D2	10054	6/1/2021						
Sanchez, Israel	D1	51969	11/1/2022						
Santoyo, Gabriel	D3	18809	8/1/2021	T1	25454	1/1/2022			
Schuler, Matthew	D3	39625	6/1/2020	T2	34387	7/1/2022			
Valdez, Richard	D2	30205	1/1/2022	T1	33275	7/1/2020			
Van Schaick, Shari	D2	50566	11/1/2021	T2	42906	6/1/2022			
Vasquez, Javier	D2	51344	5/1/2022	T2	42905	6/1/2022			

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	Grade	Opr #	Exp Date		Grade	Opr #	Exp Date		Grade	Opr #	Exp Date
Los Angeles											
Amarillas, Daniel	4	37541	6/1/2020		2	37624	1/1/2022				
Anderson, William	2	15392	8/1/2021		-	-	-				
Andrade, Jacqueline	1	52330	11/1/2022								
Arenas, Raymond	1	39788	8/1/2020		-	-	-				
Baker, Aimee	1	45270	5/1/2021		1	41191	1/1/2021				
Cruz, Joe	2	29086	8/1/2022		-	-	-				
Echevarria, Herminio	3	7698	4/1/2022		-	-	-				
Freeman, Michael	1	49129	11/1/2020		-	-	-				
Gonzales, Jesus	1	32688	4/1/2022		-	-	-				
Hernandez, Derek	2	43193	11/1/2022		2	40588	7/1/2020				
Hofer, Garry	2	36678	11/1/2020		T2	34072	1/1/2021				
Kurihara, Julia	2	49765	7/1/2021		T2	42591	6/1/2022				
Marini, Erminio	5	29529	2/1/2023		4	19694	10/1/2020				
McKeehan, Everett	3	3863	4/1/2021		-	-	-				
Morgan, Dennis	3	5558	3/1/2021		2	33794	1/1/2021				
Na, Monica	2	47005	5/1/2022		2	38711	7/1/2022				
Navarro, Josue	3	44669	2/1/2023		1	37804	9/1/2021				
Nieto, Christopher	1	48105	3/1/2023		-	-	-				
Playter, Tim	4	39420	12/1/2020		2	33803	1/1/2021				
Reifer, Mark	2	41966	8/1/2021		2	34084	1/1/2021				
Rojas, Eric	4	2872	12/1/2020		3	27190	9/1/2020				
Salcido, Michelle	2	42758	5/1/2021		-	-	-				
Strommen, Dan	3	5360	4/1/2021		2	23042	5/1/2022				
Tanaka, Richard	1	44973	3/1/2021		2	31796	1/1/2021				
Taylor, Jessica (Knapp)	1	44992	3/1/2021		-	-	-				
Williams, Tracy	1	36702	10/1/2021		-	-	-				
Williamson, Geoffrey	2	45742	9/1/2021		2	35170	3/1/2022				
Ventura											
Adams, Brandon	D3	45131	12/1/2020		T2	37259	6/1/2021				
Avila, Jordan	D1	49702	5/1/2021								
Barajas, Emanuel	D4	32894	11/1/2021		T2	36856	6/1/2021				
Bennett, Eric	D2	41662	12/1/2020		T2	36107	3/1/2022				
Boyle, Tom	D2	7131	5/1/2021		T2	19605	5/1/2022				
Corona, Neiva	D2	48961	12/1/2021								
Estrada, Henry	D3	4355	3/1/2021		T1	23449	5/1/2022				
Hilbert, Mike	D2	15436	12/31/2021		T1	24045	11/1/2019				
Molina, Jose Henry	D2	28797	1/1/2021		T1	30251	1/1/2021				
Roldan, Joe	D3	5139	4/1/2021		T1	19732	6/1/2020				
Trejo, Steven	D5	39742	5/1/2022		T2	33954	7/1/2022				
Victorero, Robert	D2	14215	5/1/2021		---	---	---				
Williams, Jennifer	D5	14217	4/1/2023		T2	23062	5/1/2022				

**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	1,255,764,346	1,168,686,788
3	101	Recycled Water Utility Plant	A-1b	-	-
4	107	Utility Plant Adjustments	A-2	-	-
5		Total Utility Plant		\$ 1,255,764,346	\$ 1,168,686,788
6	250	Reserve for depreciation of utility plant	A-5	(363,572,146)	(343,009,224)
7	251	Reserve for amortization of limited term utility investments	A-5	(54,243)	(53,243)
8	252	Reserve for amortization of utility plant acquisition adjustments	A-5	(2,406,412)	(2,276,043)
9	259	Reserve for depreciation and amortization of recycled water utility plant	A-5	-	-
10		Total utility plant reserves		\$ (366,032,801)	\$ (345,338,510)
11		Total utility plant less reserves		\$ 889,731,545	\$ 823,348,278
12					
13		II. INVESTMENT AND FUND ACCOUNTS			
14	110	Other Physical Property	A-3	1,895,578	1,886,464
15	253	Reserve for depreciation and amortization of other property	A-5	(74,892)	(73,328)
16		Other physical property less reserve		\$ 1,820,686	\$ 1,813,136
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		\$ 3,608,421	\$ 3,600,871
22					
23		III. CURRENT AND ACCRUED ASSETS			
24	120	Cash	A-10	1,946,788	786,276
25	121	Special Deposits	A-11	57,437	73,350
26	122	Working Funds	A-12	2,061	2,061
27	123	Temporary Cash Investments	A-13	-	-
28	124	Notes Receivable	A-14	-	-
29	125	Accounts Receivable	A-15	16,924,985	18,100,152
30	126	Receivables from Affiliated Companies	A-16	3,214,079	(5,871,413)
31	131	Materials and Supplies	A-17	784,313	905,478
32	132	Prepayments	A-18	2,902,787	1,331,621
33	133	Other Current and Accrued Assets	A-19	9,043,163	8,308,015
34		Total Current and Accrued Assets		\$ 34,875,613	\$ 23,635,540
35					
36		IV. DEFERRED DEBITS			
37	140	Unamortized Debt Discount and Expense	A-20	3,089,452	3,233,110
38	141	Extraordinary Property Losses	A-22	-	-
39	142	Preliminary Survey and Investigation Charges	A-23	231	-
40	143	Clearing Accounts	A-24	-	-
41	145	Other Work in Progress	A-25	-	-
42	146	Other Deferred Debits	A-26	276,231,995	276,233,077
43	147	Accumulated Deferred Income Tax Assets	A-27	-	-
44		Total Deferred Debits		\$ 279,321,678	\$ 279,466,187
45		Total Assets and Other Debits		\$ 1,207,537,257	\$ 1,130,050,876

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	268,155,051	237,699,303
55	271	Earned Surplus	A-35	99,160,650	85,089,953
56		Total Capital Stock		\$ 459,793,615	415,267,170
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	382,567,964	358,697,048
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		\$ 382,567,964	358,697,048
69					
70		IV. CURRENT AND ACCRUED LIABILITIES			
71	220	Notes Payable	A-43	9,357,952	50,686,636
72	221	Notes Receivable Discounted	A-44	-	-
73	222	Accounts Payable	A-45	15,515,305	12,701,502
74	223	Payables to Affiliated Companies	A-46	16,810,952	(160,300)
75	224	Dividends Declared	A-47	-	-
76	225	Matured Long-Term Debt	A-48	6,004,090	3,470
77	226	Matured Interest	A-49	-	-
78	227	Customers' Deposits	A-50	-	-
79	228	Taxes Accrued	A-53	4,619,651	(769,870)
80	229	Interest Accrued	A-51	3,699,331	3,765,151
81	230	Other Current and Accrued Liabilities	A-52	19,475,183	21,122,283
82		Total Current and Accrued Liabilities		\$ 75,482,463	87,348,872
83					
84		V. DEFERRED CREDITS			
85	240	Unamortized Premium on Debt	A-21	-	-
86	241	Advances for Construction	A-54	20,873,608	20,637,652
87	242	Other Deferred Credits	A-55	89,510,416	85,710,447
88		Total Deferred Credits		\$ 110,384,024	106,348,099
		VI. ACCUMULATED DEFERRED TAXES			
	266	Accumulated Deferred Income Taxes - Accelerated Tax Depreciation	A-58	-	-
	267	Accumulated Deferred Income Taxes - Other	A-59	107,418,441	93,037,146
	268	Accumulated Deferred Investment Tax Credits	A-60	214,433	277,840
		Total Accumulated Deferred Taxes		\$ 107,632,874	93,314,986
89					
90		VII. RESERVES			
91	254	Reserve for Uncollectible Accounts	A-56	1,030,209	1,333,776
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	1,209,289	292,553
96		Total Reserves		\$ 2,239,498	1,626,329
97					
98		VIII. CONTRIBUTIONS IN AID OF CONSTRUCTION			
99	265	Contributions in Aid of Construction	A-57	69,436,819	67,448,373
100		Total Liabilities and Other Credits		\$ 1,207,537,257	1,130,050,877

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	228,051,894
3				
4		Operating Revenue Deductions:		
5	502	Operating Expenses	B-2	131,746,550
6	503	Depreciation	A-5	25,888,478
7	504	Amortization of Limited-term Utility Investments	A-5	2,582,848
8	505	Amortization of Utility Plant Acquisition Adjustments	A-5	130,369
9	506	Property Losses Chargeable to Operations	B-3	-
10	507	Taxes	B-4	21,774,121
11		Total Operating Revenue Deductions		\$ 182,122,365
12		Net Operating Revenues		\$ 45,929,529
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		\$ 45,929,529
16				
17		II. OTHER INCOME		
18	521	Income from Nonutility Operations (Net)	B-8	189
19	522	Revenue from Lease of Other Physical Property	B-9	87,889
20	523	Dividend Revenues	B-10	-
21	524	Interest Revenues	B-11	2,502,555
22	525	Revenues from Sinking and Other Funds	B-12	-
23	526	Miscellaneous Nonoperating Revenues	B-13	166,493
24	527	Nonoperating Revenue Deductions	B-14	(246,439)
25		Total Other Income		\$ 2,510,687
26		Net Income before Income Deductions		\$ 48,440,216
27				
28		III. INCOME DEDUCTIONS		
29	530	Interest on Long-term Debt	B-15	18,367,306
30	531	Amortization of Debt Discount and Expense	B-16	537,420
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	1,056,739
34	535	Other Interest Charges	B-20	217,356
35	536	Interest Charged to Construction - Cr.	B-21	(11,456,032)
36	537	Miscellaneous Amortization	B-22	-
37	538	Miscellaneous Income Deductions	B-23	311,256
38		Total Income Deductions		\$ 9,034,045
39		Net Income		\$ 39,406,171
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		2,929,543
44		Balance transferred to Earned Surplus or		\$ 42,335,714
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)	976,145,301	91,522,871	(3,161,563)	693,007	\$ 1,065,199,617
2	100.2	Utility Plant Leased to Others					\$ -
3	100.3	Construction Work in Progress	187,455,932	87,590,779		(91,383,327)	\$ 183,663,384
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	1,801,545		14,245	\$ 5,439,151
6	100.6	Utility Plant in Process of Reclassification					\$ -
7		Total utility plant	\$ 1,168,686,788	\$ 180,915,195	\$ (3,161,563)	\$ (90,676,075)	\$ 1,255,764,346

Other debits of \$14,425 represents presentation reclassification

Other credits of \$(91,383,327) represents transfer of completed CWIP to Utility Plant in Service

**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	2,406,366	14,395	-	-	\$ 2,420,761
5		Total Intangible Plant	\$ 2,987,881	\$ 14,395	\$ -	\$ -	\$ 3,002,276
6							
7		II. LANDED CAPITAL					
8	306	Land and Land Rights	\$ 7,286,818	357,630	-	1,931,526	\$ 9,575,974
9							
10		III. SOURCE OF SUPPLY PLANT					
11	311	Structures and Improvements	12,401,477	(296,116)	(2,441)	8,751	\$ 12,111,671
12	312	Collecting and Impounding Reservoirs	2,433,681	-	-	-	\$ 2,433,681
13	313	Lake, River and Other Intakes	633,954	636,116	(30,884)	-	\$ 1,239,186
14	314	Springs and Tunnels		-	-	-	\$ -
15	315	Wells	44,517,556	2,523,643	(287,994)	(1,600,159)	\$ 45,153,046
16	316	Supply Mains	12,581,942	(2,090)	-	-	\$ 12,579,852
17	317	Other Source of Supply Plant	124,290	-	-	-	\$ 124,290
18		Total Source of Supply Plant	\$ 72,692,902	\$ 2,861,553	\$ (321,319)	\$ (1,591,408)	\$ 73,641,728
19							
20		IV. PUMPING PLANT					
21	321	Structures and Improvements	19,767,336	(834,851)	(36,707)	2,216	\$ 18,897,994
22	322	Boiler Plant Equipment		-	-	-	\$ -
23	323	Other Power Production Equipment	4,236,517	-	(10,577)	5,940	\$ 4,231,880
24	324	Pumping Equipment	71,055,952	4,916,113	(411,004)	3,524	\$ 75,564,585
25	325	Other Pumping Plant		-	-	-	\$ -
26		Total Pumping Plant	\$ 95,059,806	\$ 4,081,262	\$ (458,288)	\$ 11,680	\$ 98,694,460
27							
28		V. WATER TREATMENT PLANT					
29	331	Structures and Improvements	21,070,815	122,342	(22,593)	864	\$ 21,171,428
30	332	Water Treatment Equipment	57,348,663	1,382,321	(49,752)	266	\$ 58,681,498
31		Total Water Treatment Plant	\$ 78,419,478	\$ 1,504,663	\$ (72,345)	\$ 1,130	\$ 79,852,926

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

Line No.	Acct	Title of Account (a)	Balance Beg of Year (b)	Additions During Year (c)	(Retirements) During Year (d)	Other Debits or (Credits) (e)	Balance End of Year (f)
32		VI. TRANSMISSION AND DIST. PLANT					
33	341	Structures and Improvements	3,067,788	126,586	(87,758)	-	\$ 3,106,616
34	342	Reservoirs and Tanks	85,629,630	889,311	(92,684)	32,399	\$ 86,458,656
35	343	Transmission and Distribution Mains	325,359,816	60,264,162	(126,139)	518,439	\$ 386,016,278
36	344	Fire Mains	151,374	-	-	-	\$ 151,374
37	345	Services	123,481,528	6,621,360	(447,462)	237,142	\$ 129,892,568
38	346	Meters	46,581,524	4,993,304	(502,295)	705	\$ 51,073,238
39	347	Meter Installations	34,677,127	(6,541)	-	-	\$ 34,670,586
40	348	Hydrants	30,229,188	3,055,953	(443,441)	2,363	\$ 32,844,063
41	349	Other Transmission and Distribution Plant	2,140,690	-	-	-	\$ 2,140,690
42		Total Transmission and Distribution Plant	\$ 651,318,667	\$ 75,944,135	\$ (1,699,779)	\$ 791,048	\$ 726,354,071
43							
44		VII. GENERAL PLANT					
45	371	Structures and Improvements	12,092,024	825,070	(64,681)	-	\$ 12,852,413
46	372	Office Furniture and Equipment	28,592,770	4,636,984	(510,760)	-	\$ 32,718,994
47	373	Transportation Equipment	1,177,036	-	-	-	\$ 1,177,036
48	374	Stores Equipment	14,611	-	-	-	\$ 14,611
49	375	Laboratory Equipment	337,780	29,617	-	-	\$ 367,397
50	376	Communication Equipment	18,782,283	704,939	(32,993)	-	\$ 19,454,229
51	377	Power Operated Equipment	1,536,941	8,828	(75)	-	\$ 1,545,694
52	378	Tools, Shop and Garage Equipment	1,983,862	31,759	(1,279)	-	\$ 2,014,342
53	379	Other General Plant	3,319,357	63,513	(44)	-	\$ 3,382,826
54		Total General Plant	\$ 67,836,663	\$ 6,300,710	\$ (609,832)	\$ -	\$ 73,527,542
55							
56		VIII. UNDISTRIBUTED ITEMS					
57	390	Other Tangible Property	543,087	7,554	-	-	\$ 550,641
58	391	Utility Plant Purchased		450,969	-	(450,969)	\$ -
59	392	Utility Plant Sold		-	-	-	\$ -
60		Total Undistributed Items	\$ 543,087	\$ 458,523	\$ -	\$ (450,969)	\$ 550,641
61		Total Utility Plant in Service	\$ 976,145,301	\$ 91,522,871	\$ (3,161,563)	\$ 693,007	\$ 1,065,199,617

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					-
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			
2			
3			
4			
5			
6	Total - ending balance is accounted for on schedule A-1 Account 100.5	\$ -	\$ -

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	1,781,954	1,791,068
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	\$ 1,886,464	\$ 1,895,578

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
055005	Blue Ribbon #2 - West of Gibson Rd	2687928	1,300
055105	Village Well #4 - Land	2652019	45
055105	Orbis Well #10 - Land	2652017	240
055105	Orbis Well #4 - Land	2652016	240

Schedule A-3 Land
Attachment 1 of 2

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

<u>LOCATION</u>	<u>DESCRIPTION</u>	<u>ASSET ID</u>	<u>TOTAL AMOUNT</u>
055105	Orbis Well #41 - Land	2652018	225
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
056005	Map 1284 34 5 Parcel 1	2633274	4,972
056005	Map 1284 34 28 Parcel 1	2649503	2,842
056105	MAP 58 090 16	2653080	7,597
Grand Total			1,791,068

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 12/31/2019 (b)	Balance 1/1/2019 (c)
		RATE BASE		
1		Utility Plant		
2		Plant in Service	1,035,583,496	950,626,709
3		Construction Work in Progress	177,108,845	179,487,158
4		General Office Prorate - CA-AM Advice Letter CWIP and Walerga	(117,800,960)	(98,047,886)
5		Total Gross Plant (=Line 2 + Line 3 + Line 4)	\$ 1,094,891,381	1,032,065,981
6		Less Accumulated Depreciation		
7		Plant in Service	(355,537,923)	(336,588,276)
8		General Office Prorate		
9		Total Accumulated Depreciation (=Line 7 + Line 8)	\$ (355,537,923)	(336,588,276)
10		Less Other Reserves		
11		Deferred Income Taxes	60,515,186	46,610,450
12		Deferred Investment Tax Credit	214,433	277,840
13		Other Reserves	22,713,710	24,587,026
14		Total Other Reserves (=Line 11 + Line 12 + Line 13)	\$ 83,443,329	71,475,316
15		Less Adjustments		
16		Contributions in Aid of Construction	69,497,141	67,301,833
17		Contributions in Aid of Construction (20 year amortization and Walerga)	1,062,300	216,314
18		Advances for Construction	21,671,300	21,419,631
19		Advances for Construction (20 year amortization)	3,153,200	4,414,500
20		Other		
21		Total Adjustments (=Line 16 + Line 17 + Line 18+ Line 19 + Line 20)	\$ 95,383,941	93,352,278
22		Add Materials and Supplies	\$ 784,313	905,478
23		Add Working Cash (=Line 36)	26,562,278	26,319,048
24		TOTAL RATE BASE		
25		(=Line 5 - Line 9 - Line 14 - Line 21 + Line 22 + Line 23)	\$ 1,298,948,625	1,231,051,189
		Working Cash		
26		Determination of Operational Cash Requirement		
27		Operating Expenses, Excluding Taxes, Depreciation & Uncollectible	\$ 131,402,228	\$ 130,363,920
28		Purchased Power & Commodity for Resale*	\$ 6,063,128	\$ 6,045,693
29		Meter Revenues: Bimonthly Billing	\$ 203,715,609	\$ 196,223,030
30		Other Revenues: Flat Rate Monthly Billing	\$ 2,905,149	\$ 3,084,877
31		Total Revenues (=Line 29 + Line 30)	\$ 206,620,758	\$ 199,307,907
32		Ratio - Flat Rate to Total Revenues (=Line 30 / Line 31)	0.0141	0.0155
33		5/24 x Line 27 x (100% - Line 32)	26,990,557	26,738,782
34		1/24 x Line 27 x Line 32	76,981	84,074
35		1/12 x Line 27	505,261	503,808
36		Operational Cash Requirement (=Line 33 + Line 34 - Line 35)	\$ 26,562,278	\$ 26,319,048
		* 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	\$ 343,009,224	\$ 53,243	\$ 2,276,043	\$ 73,328	
2	Add: Credits to reserves during year					
3	(a) Charged to Account 503 ⁽¹⁾	25,886,912			1,566	
	(b) Charged to Account 504 ⁽¹⁾	2,172	2,582,848			
	(c) Charged to Account 505 ⁽¹⁾	-		130,369		
4	(d) Charged to Account 265	1,985,636				
5	(e) Charged to clearing accounts	692,171				
6	(f) Salvage recovered	826,653				
7	(g) All other credits ⁽²⁾	706,814				
8	Total credits	\$ 30,100,357	\$ 2,582,848	\$ 130,369	\$ 1,566	\$ -
9	Deduct: Debits to reserves during year					
10	(a) Book cost of property retired	(3,161,562)				
11	(b) Cost of removal	(6,375,875)				
12	(c) All other debits ⁽³⁾	2	(2,581,848)		(2)	
13	Total debits	\$ (9,537,435)	\$ (2,581,848)	\$ -	\$ (2)	\$ -
14	Balance in reserve at end of year	\$ 363,572,146	\$ 54,243	\$ 2,406,412	\$ 74,892	\$ -
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 \$692,171 represents Deferred Depreciation and Chromium 6					
20	offset in Account 242					
21	Other credits to account 250 represents Properties acquired					
22						
23						
24						
25						
26						
27	(3) EXPLANATION OF ALL OTHER DEBITS:					
28	Other debits account 251 represent amounts charged to 504 that do not offset to 251					
29						
30						
31						
32						
33						
34						
35	METHOD USED TO COMPUTE INCOME TAX DEPRECIATION:					
36	(a) Straight Line	(X)		Village, Orbis, Pollack, Pre 1970		
37	(b) Liberalized	()				
38	(1) Double declining balance	(X)		On Additions from 4-1-66 through 1970		
39	(2) ACRS	(X)		on additions 1981 through 1986		
40	(3) MACRS	(X)		on additions after 1986		
41	(4) Others	(X)		150% DBM on property acquired 4-1-66		
42	(c) Both straight line and liberalized	()		ADR on Additions 1971 through 1980		

SCHEDULE A-5a

Account 250 - Analysis of Entries in Depreciation Reserve

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

Line No.	Acct.	DEPRECIABLE PLANT (a)	Balance Beginning of Year (b)	Credits to Reserve During Year Excl. Salvage (c)	Debits to Reserves (Dr.) During Year Excl. Cost Removal (d)	Salvage and Cost of Removal Net (Dr.) or Cr. (e)	Balance End of Year (f)
1		I. SOURCE OF SUPPLY PLANT					
2	311	Structures and Improvements	1,837,060	341,522	(2,441)	(6,261)	\$ 2,169,880
3	312	Collecting and Impounding Reservoirs	1,735,879	46,086	-	-	\$ 1,781,965
4	313	Lake, river and Other Intakes	488,480	30,398	(30,884)	(81,110)	\$ 406,884
5	314	Springs and Tunnels		-	-	-	\$ -
6	315	Wells	17,939,891	1,728,369	(287,994)	(978,520)	\$ 18,401,746
7	316	Supply Mains	3,454,206	258,963	-	-	\$ 3,713,169
8	317	Other Source of Supply Plant	94,336	4,154	-	-	\$ 98,490
9		Total Source of Supply Plant	\$ 25,549,851	\$ 2,409,492	\$ (321,319)	\$ (1,065,891)	\$ 26,572,133
10							
11		II. PUMPING PLANT					
12	321	Structures and Improvements	3,396,446	385,230	(36,707)	(151,710)	\$ 3,593,259
13	322	Boiler Plant Equipment		-	-	-	\$ -
14	323	Other Power Production Equipment	1,567,626	175,030	(10,577)	(54,807)	\$ 1,677,272
15	324	Pumping Equipment	27,154,419	2,889,528	(411,004)	(214,951)	\$ 29,417,992
16	325	Other Pumping Plant		-	-	-	\$ -
17		Total Pumping Plant	\$ 32,118,492	\$ 3,449,788	\$ (458,288)	\$ (421,468)	\$ 34,688,524
18							
19		III. WATER TREATMENT PLANT					
20	331	Structures and Improvements	8,459,664	392,148	(22,593)	(636,903)	\$ 8,192,316
21	332	Water Treatment Equipment	24,269,211	1,409,468	(49,753)	(219,628)	\$ 25,409,298
22		Total Water Treatment Plant	\$ 32,728,875	\$ 1,801,616	\$ (72,346)	\$ (856,531)	\$ 33,601,614
23							
24		IV. TRANS. AND DIST. PLANT					
25	341	Structures and Improvements	408,463	97,972	(82,070)	(97,253)	\$ 327,112
26	342	Reservoirs and Tanks	25,174,784	1,665,763	(92,684)	(584,865)	\$ 26,162,998
27	343	Transmission and Distribution Mains	111,749,747	7,676,807	(126,139)	(1,199,653)	\$ 118,100,762
28	344	Fire Mains	(19,702)	2,670	-	-	\$ (17,032)
29	345	Services	46,673,411	3,483,827	(447,462)	(944,221)	\$ 48,765,555
30	346	Meters	16,380,460	2,380,721	(499,178)	(169,068)	\$ 18,092,935
31	347	Meter Installations	13,961,580	1,785,377	(3,115)	-	\$ 15,743,842
32	348	Hydrants	11,914,119	725,669	(443,441)	(173,060)	\$ 12,023,287
33	349	Other Transmission and Distribution Plant	446,728	72,135	-	-	\$ 518,863
34		Total Transmission and Distribution Plant	\$ 226,689,589	\$ 17,890,941	\$ (1,694,089)	\$ (3,168,120)	\$ 239,718,321
35							
36		V. GENERAL PLANT					
37	371	Structures and Improvements	3,379,736	331,391	(70,370)	(2,137)	\$ 3,638,620
38	372	Office Furniture and Equipment	6,929,035	2,267,874	(510,759)	(6,033)	\$ 8,680,118
39	373	Transportation Equipment	538,476	37,277	-	-	\$ 575,753
40	374	Stores Equipment	8,964	308	-	-	\$ 9,272
41	375	Laboratory Equipment	204,563	12,485	-	(49)	\$ 216,999
42	376	Communication Equipment	11,102,099	750,435	(32,993)	(44,970)	\$ 11,774,571
43	377	Power Operated Equipment	1,117,200	36,061	(75)	-	\$ 1,153,186
44	378	Tools, Shop and Garage Equipment	896,119	63,910	(1,279)	17,767	\$ 976,517
45	379	Other General Plant	(2,490,852)	208,113	11,992	(1,790)	\$ (2,272,537)
46	390	Other Tangible Property	4,237,076	14,014	(12,036)	-	\$ 4,239,054
47	391	Water Plant Purchased					\$ -
48		Total General Plant	\$ 25,922,417	\$ 3,721,868	\$ (615,520)	\$ (37,212)	\$ 28,991,554
49		Total	\$ 343,009,224	\$ 29,273,705	\$ (3,161,562)	\$ (5,549,222)	\$ 363,572,146

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	786,276	1,946,788
2			
3			
4			
5	Total	\$ 786,276	\$ 1,946,788

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	-
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	\$ 57,437

**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	2,061	2,061
2			
3			
4			
5	Total	\$ 2,061	\$ 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	15,913,083	16,133,020
2	125-2	Other Accounts Receivable	2,187,069	791,965
3				
4				
5	Total		\$ 18,100,152	\$ 16,924,985

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	3,150	17,592			
2	American Water Works Service Company	996,171	79,778			
3	American Water Works Company	(7,201,041)	2,645,397			
4	Miscellaneous Intercompany Clearing	330,307	471,312			
5						
6						
7						
8						
9						
10	Total	\$ (5,871,413)	\$ 3,214,079		\$ -	\$ -

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	905,478	784,313
2	131.2 Materials and Supplies - Other		
3			
4			
5	Total	\$ 905,478	\$ 784,313

SCHEDULE A-18
Account 132 - Prepayments

Line No.	Item (a)	Balance Beginning of Year (b)	Balance End of Year (c)
1	Prepaid Property Taxes	169,597	284,151
2	Prepaid Insurance	11,939	42,167
3	Prepaid Other	1,150,085	2,576,469
4			
5			
6			
7			
8			
9			
10	Total	\$ 1,331,621	\$ 2,902,787

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	7,372,618	8,022,582
2	Deferred Vacation Pay	935,397	1,020,581
3			
4			
5			
6			
7			
8			
9			
10	Total	\$ 8,308,015	\$ 9,043,163

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	8,288		(5,829)	\$ 2,459
2	Allstate Life Ins.- 9.22%	10,000,000	104,754	6/1/1991	6/1/2021	13,732		(5,670)	\$ 8,062
3	American United Life Ins. - 6.76%	10,000,000	50,953	12/1/1993	12/1/2023	11,965		(2,431)	\$ 9,534
4	Salkeid & Co. - 6.76%	10,000,000	56,021	12/1/1993	12/1/2033	27,019		(1,811)	\$ 25,208
5	State Life & American United Ins. - 7.33%	10,000,000	255,110	5/1/1996	5/1/2026	80,123		(10,919)	\$ 69,204
6	American Water Capital Corp. -5.77%	75,700,000	267,484	12/21/2006	12/21/2021	53,105		(17,837)	\$ 35,268
7	American Water Capital Corp. -10%*	35,000,000	987,291	1/1/2018	12/31/2020	658,194		(329,097)	\$ 329,097
8	American Water Capital Corp. -5.25%	35,000,000	713,069	8/18/2010	8/1/2040	512,853		(23,756)	\$ 489,097
9	American Water Capital Corp. -3.85%	25,000,000	210,000	11/20/2013	3/1/2024	105,633		(20,400)	\$ 85,233
10	American Water Capital Corp. -4.30%	30,000,000	314,674	8/13/2015	9/1/2045	279,192		(10,468)	\$ 268,724
11	American Water Capital Corp. -3.75%	25,000,000	259,907	8/10/2017	9/1/2047	247,975		(8,643)	\$ 239,332
12	American Water Capital Corp. -3.75%	5,940,000	61,736	8/10/2017	9/1/2047	58,919		(2,061)	\$ 56,858
13	American Water Capital Corp. -4.20%	85,000,000	884,554	8/9/2018	9/1/2048	875,327		(2,844)	\$ 872,483
14	American Water Capital Corp. -4.15%	30,003,000	312,566	5/13/2019	6/1/2049		312,566	(6,405)	\$ 306,161
15	Financing Fee		85,475	8/10/2017	9/1/2047	81,683		(29,510)	\$ 52,173
16	Revolver Fees		644,874			219,102	81,196	(59,739)	\$ 240,559
17	*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								\$ -
18	the amount of \$987,291 in total discount and expense column (c) represents the unamortized balance at December 31, 2017								\$ -
19									\$ -
20						\$ 3,233,110	\$ 393,762	\$ (537,420)	\$ 3,089,452

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	2019 amounts charged to Preliminary Survey and Investigation		231
2			
3			
4			
5	Total	\$ -	\$ 231

SCHEDULE A-24
Account 143 - Clearing Accounts

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

SCHEDULE A-25
Account 145 - Other Work in Progress

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

SCHEDULE A-26
Account 146 - Other Deferred Debits

Line No.	Item (a)	Balance Beg of Year (b)	Balance End of year (c)
1	See Addendum Reference Schedule A-26	276,233,077	276,231,995
2			
3			
4			
5			
6	Total	\$ 276,233,077	\$ 276,231,995

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	3,335,116	3,379,413
2	Reg Asset-AFUDC-Eq-CWIP	6,108,420	6,454,894
3	Reg Asset-AFUDC-Equity	589,455	1,043,222
4	Reg Asset-Other	(143,582)	(122,762)
5	Reg Asset-Accum Amortization	(432,122)	(461,443)
6	Programmed Maintance-Tank Painting	6,169,953	6,440,538
7	Deferred OPEB	46,004	46,004
8	Deferred Pension	(1,233)	(1,233)
9	Deferred Consulting Fees - Dunnigan	483,865	557,834
10	Enviromental Remediation Study-NOAA	4,858,928	4,915,424
11	Sobranes Fire - Fuel Reduction	284,008	288,915
12	Cease & Desist Order Memo Account	5,111,210	6,166,130
13	Closing Costs - Geyserville	102,911	141,280
14	CIAC's Vintage - Method 5	219,480	219,480
16	Catastrophic Event	135,873	180,640
17	Old Monterey Style Water Revenue Adjustment Mechanism (WRAM)	982,075	34,291
18	San Clemente Dam AFUDC	85,125,754	83,186,388
19	Funds Restricted for Construction - Garrapata SDWSRF	15,756	16,995
20	WRAM/MCBA	89,105,141	70,247,800
21	School Lead Testing	7,484	10,245
22	Endangered Species Act (ESA)	1,738,395	1,919,042
23	Conservation/Rationing	496,518	48,735
24	Citizens Acquisition Purchase Premium-Net of Amortization	51,653,163	50,980,263
25	CIAC - Meadowbrook	575,000	461,250
26	Deferred Charges - CAC GrossUp	1,074,472	1,227,100
27	Deferred Charges - CAC DIT	1,145,185	1,361,815
28	Sand City Desal Plant Pur Wtr Bal Acct	1,188,581	445,128
29	Non Revenue Water Action Plan	78,205	2,749
30	Credit Card Pilot Program Memo Account	-	122,275
31	Group Insurance Balancing Account	-	1,164,086
32	Sustainable Groundwater Management Act Memo Account	-	534,304
33	Operating Lease Right of Use Assets	-	20,363,836
34	Interim Rates	-	228
35	Other Regulatory/Long Term Assets	16,179,062	14,857,129
36			
37			
38	Total	276,233,077	276,231,995

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		26,381,385
2								
3								
4								
5								
6	Total				\$ 92,477,914	\$ 92,477,914		\$ 26,381,385

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	\$ 237,699,303
2	CREDITS (Give nature of each credit and state account charged)	
3	Employee Stock Purchase Program	93,793
4	Equity Infusion	30,000,000
5	Restricted Stock Units & Options	361,955
6	Total credits	\$ 30,455,748
7	DEBITS (Give nature of each debit and state account credited)	
8		
9		
10		
11	Total debits	\$ -
12	Balance end of year	\$ 268,155,051

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

Line No.	Acct	Account (a)	Amount (b)
1		Balance beginning of year	\$ 85,089,953
2		CREDITS	
3	400	Credit balance transferred from income account	42,335,711
4	401	Miscellaneous credits to surplus (specify)	
5		Change in Monterey Waste Water Retained Earnings	(307,915)
6		Change in Dunnigan Waste Water Retained Earnings	(1,351,204)
7		Total credits	\$ 40,676,592
8		DEBITS	
9	410	Debit balance transferred from income account - Monterey Waste Water	125,838
10	410	Debit balance transferred from income account - Dunnigan Waste Water	(93,474)
11	411	Dividend appropriations-preferred stock	
12	412	Dividend appropriations-Common stock	(26,381,385)
13	413	Miscellaneous reservations of surplus	
14	414	Miscellaneous debits to surplus (specify)	
15		Cumulative Effect of Change in Accounting Principle	(256,874)
16		Total debits	\$ (26,605,895)
17		Balance end of year	\$ 99,160,650

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	-	9.71%		101,992	584,218	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	924,561	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	677,878	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	677,878	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	735,036	733,000
6	Notes Payable to Affiliate	12/21/2006	12/21/2021	75,700,000	75,700,000	75,700,000	5.77%		267,484	4,380,023	4,367,890
7	Notes Payable to Affiliate	08/18/2010	08/01/2040	35,000,000	35,000,000	35,000,000	5.25%		713,069	1,842,604	1,837,500
8	Notes Payable to Affiliate*	11/20/2013	03/01/2024	25,000,000	25,000,000	25,000,000	3.85%		1,197,291	965,174	962,500
9	Debt Discount Related to 3.85% series				(50,131)	(40,428)				9,703	
10	Notes Payable to Affiliate	8/13/2015	09/01/2045	30,000,000	30,000,000	30,000,000	4.30%		314,674	1,293,583	1,290,000
11	Debt Discount Related to 4.30% series				(349,914)	(336,647)				13,267	
12	Notes Payable to Affiliate	12/7/2016	12/21/2021	31,500,000	31,500,000	31,500,000	2.29%			723,354	721,350
13	Notes Payable to Affiliate	8/10/2017	09/01/2047	25,000,000	25,000,000	25,000,000	3.75%		259,907	940,104	937,500
14	Notes Payable to Affiliate	8/10/2017	09/01/2047	5,940,000	5,940,000	5,940,000	3.75%		61,736	223,369	222,750
15	Debt Discount Related to 3.75% series				(90,759)	(87,589)				3,170	
16	Notes Payable to Affiliate	08/09/2018	09/01/2048	85,000,000	85,000,000	85,000,000	4.20%		884,554	3,579,917	3,788,167
17	Debt Discount Related to 4.20% series				(45,433)	(43,902)				1,531	
18	Notes Payable to Affiliate	05/13/2019	06/01/2049	30,003,000	-	30,003,000			312,566	788,579	684,818
19	Debt Discount Related to 4.15% series				-	(155,665)	4.15%			3,351	
20	Water Facility Loan - Garrapata	04/01/2012	02/28/2033		93,285	89,195	2.50%			6	2,400
21				Total	\$ 358,697,048	\$ 382,567,964		\$ -	\$ 4,580,111	\$ 18,367,306	\$ 18,404,475

* 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	50,686,636	9,357,952	NA		1,056,739
2								
3								
4								
5								
6								
7	Total			\$ 50,686,636	\$ 9,357,952		\$ -	\$ 1,056,739

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	4,970,352	7,660,994
2	AP - GRIR Capital Services	252,458	816,485
3	AP - Contract Retentions	40,000	40,000
4	AP - Miscellaneous	7,438,692	6,997,826
5	Total	\$ 12,701,502	\$ 15,515,305

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	624,890	973,263	NA	NA	NA
2	American Water Capital Corporation	107	-			
3	Miscellaneous Intercompany Clearing	(1,019,797)	1,456,430			
4	American Water Works Inc.,	234,500	14,381,259			
5						
6						
7	Total	\$ (160,300)	\$ 16,810,952		\$ -	\$ -

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	General Mortgage Bonds 9.71% Series Due 06/01/2020	-	6,000,000
2	Water Facility Loan 2.50% - current portion	3,470	4,090
3			
4			
5	Total	\$ 3,470	\$ 6,004,090

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	3,765,151	3,699,331
2	229-2 Interest Accrued on Other Liabilities		
3			
4			
5	Total	\$ 3,765,151	\$ 3,699,331

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	935,397	1,020,581
2	Accrued Purchase Water	5,173,561	4,160,294
3	Accrued Purchase Power	414,911	421,773
4	Accrued Legal	119,559	130,626
5	Accrued Wages	1,172,787	1,275,322
6	Accrued Insurance, Retro Insurance Adjustment and Unfunded	752,011	266,531
7	Accrued Retire Medical	45,000	54,000
8	Accrued DCP Contribution	38,441	44,461
9	Accrued Bank Fees	34,244	21,492
10	Accrued Audit Fees		11,772
11	Accrued Payroll Withholding & Taxes	42,049	44,996
12	Accrued Employee 401K Match	33,524	37,053
13	Accrued Litigation	160,000	-
14	Unclaimed Credits	2,177	2,021
15	Unclaimed AP Checks	97,231	141,412
16	GRIR Capital Expenditures	689,597	334,187
17	Incentive Plan Cash Annual	1,982,309	2,265,698
18	NOAA Settlement - Current Portion	1,100,000	1,100,000
19	Collection For PUC Surcharges	674,836	476,825
20	Collection for Others - MPWMD User Fee	797,932	942,763
21	Collection For Other-Gross Recorded Tax	486,478	427,578
22	Collection For Other-Municipal Tax	1,913,597	1,799,720
23	Collection for Others	1,397	(2,654)
24	Collection For Others Miscellaneous	15,575	8,485
25	Other Current Liability Analyzed	1,779,796	1,973,262
26	Miscellaneous Deposits Payable	250	-
27	Operating Lease - Current Portion		2,507,235
28	Liabilities Held for Sale		9,750
29	Refund Rates Under Bond	2,659,624	-
30	Total	\$ 21,122,283	\$ 19,475,183

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	17,272		5,252,671	5,448,127	(10,344)	(188,528)	
2	Taxes on real and personal property - prepaid		169,597	472,637	597,535	10,344		284,151
3	State corporation franchise tax	155,454		232,732	329,598		58,588	
4	State unemployment insurance tax	10		78,829	78,821		18	
5	Other state and local taxes	28,547		400,718	309,063	(36,929)	83,273	
6	Federal unemployment insurance tax			13,191	13,191		-	
7	Fed. ins. contr. act (old age retire.)	217,189		2,206,778	2,116,778		307,189	
8	Other federal taxes						-	
9	Federal income taxes	-		697	1,278,678	(2,021)	(1,280,002)	
10	State income taxes	(1,188,343)		3,350,295	(3,427,985)	49,175	5,639,112	
11	Licenses							
12	Miscellaneous							
13	Deferred Taxes & ITC			10,447,228		(10,447,228)	-	
14	Total	\$ (769,870)	\$ 169,597	\$ 22,455,776	\$ 6,743,806	\$ (10,437,003)	\$ 4,619,651	\$ 284,151

(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	20,637,652
2	Additions during year	892,439
3	Subtotal - Beginning balance plus additions during year	\$ 21,530,091
4	Charges during year	
5	Refunds:	
6	Percentage of revenue basis	
7	Proportionate cost basis	575,545
8	Present worth basis	
9	Total refunds	\$ 575,545
10	Transfers to Acct 265 - Contributions in Aid of Construction	
11	Due to expiration of contracts	80,938
12	Due to present worth discount	
13	Total transfers to Acct. 265	\$ 80,938
14	Securities Exchanged for Contracts (enter detail below)	
15	Subtotal - Charges during year	\$ 656,483
16	Balance end of year	\$ 20,873,608

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	68,305,615	57,667,542
2	Reg Liab-Deficit Def FIT	(5,325)	(549)
3	Reg Liab-Exc Def Depr SIT		
4	Reg Liab-ITC Gross-Up 10%	133,286	106,746
5	Reg Liab-ITC Gross-Up 6%	5,070	76
6	Reg Liab-Tax Cuts & Job Acts	6,293,232	-
7	Reg Liab-Tax Cuts & Job Acts - Customer Refunds		102,160
8	Reg Liab-Inc Tax Rec Thru Rates - Two Way Tax Memo Account		7,982,759
9	Conservation Surcharge	23,140	1,323,498
10	Imperial Beach Lease	349,581	-
11	DCA-Accr Pension Def Benefit	(2,985,591)	(1,837,411)
12	Reg Liab- Pension Tracker	4,887,596	4,241,614
13	DCA-Accr OPEB	(233,188)	(563,121)
14	DCA-Accr OPEB Med Subsidy	724,569	99,867
15	Reg Liab - OPEB Tracker	1,019,798	2,104,942
16	MPWMD Conservation	-	-
17	Accr Div Equivalents	41,890	68,754
18	Accr NOAA Settlement	2,200,000	1,100,000
19	Accr Long Term Liability Other	-	-
20	Reg Liab-CAC CP	1,042,765	1,258,663
21	Reg Liab - Interim Rates	823,196	-
22	Accrued 401K Restoration	1,742	2,052
21	Deferred Revenue - CAC	115,788	219,183
22	DCA-Def Rev CIAC	64,894	64,894
23	DCA-Def Rev CIAC FIT	29,542	31,762
24	DCA-Defined Compensation Plan	70,792	181,851
25	DCA-Tax Gross-Up AIC	1,392,944	1,383,660
26	DCA-Tax Gross-Up AIC FIT/SIT	(78,444)	(101,372)
27	DCA-Tax Gross-Up AIC SIT	(502)	(737)
28	Reg Liab-Affiliate Transfer Fee/Los Padres Dam Study	1,065,217	1,796,199
29	Reg Liability - Vintage CIAC's	293,182	293,182
30	DCN-Adv Pay & Dep Other	129,658	217,850
31	Other Long Term Liability - Operating Lease		11,766,352
32			
33			
34			
35			
36			
37	Total	\$ 85,710,447	\$ 89,510,416

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	1,333,776	Reserve Bad Debt	(602,168)		298,601	\$ 1,030,209
2	255						\$ -
3	256						\$ -
4	257						\$ -
5	258	292,553	FIN 48 Reserve	(5,628)		922,364	\$ 1,209,289
6							\$ -
7	Total	\$ 1,626,329		\$ (607,796)		\$ 1,220,965	\$ 2,239,498

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	\$ 67,448,373	1,697,891		65,515,219	235,263
2	Add: Credits to account during year					
3	Contributions received during year	\$ 3,638,170			3,638,170	
4	Other credits	\$ 536,078			536,078	
5	Total credits	\$ 4,174,248	\$ -	\$ -	\$ 4,174,248	\$ -
6	Deduct: Debits to account during year					
7	Depreciation charges for year	\$ (2,027,318)	(27,723)		(1,999,595)	
8	Nondepreciable donated property retired	\$ -				
9	Other debits	\$ (158,484)			(158,484)	
10	Total debits	\$ (2,185,802)	\$ (27,723)	\$ -	\$ (2,158,079)	\$ -
11	Balance end of year	\$ 69,436,819	\$ 1,670,168	\$ -	\$ 67,531,388	\$ 235,263

See addendum reference schedule A-57 pertaining to grant funds received to address contaminated water supplies.

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 2019	Description of plant constructed with Grant Funds
Nothing to Report for 2019			

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	68,147,152	80,362,089
2	Accumulated Def SIT	24,889,994	27,056,352
3			
4			
5	Total	\$ 93,037,146	\$ 107,418,441

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%	267,530	214,262
2	Unamortized ITC 6%	10,310	171
3			
4			
5	Total	\$ 277,840	\$ 214,433

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	124,137,309	121,937,727	\$ 2,199,582
4		601-1.2 Residential Low Income Discount (Debit)	-	-	\$ -
5		601-2 Commercial Sales	63,637,679	59,900,243	\$ 3,737,436
6		601-3 Industrial Sales	4,236,019	4,576,197	\$ (340,178)
7		601-4 Sales to Public Authorities	14,977,563	15,235,485	\$ (257,922)
8		Sub-total	\$ 206,988,570	\$ 201,649,653	\$ 5,338,917
9	602	Unmetered Sales to General Customers			
10		602-1.1 Residential Sales	-	-	\$ -
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)	\$ 17
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	2,544,735	3,084,804	\$ (540,069)
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	785,560	661,893	\$ 123,667
26		Sub-total	\$ 3,330,295	\$ 3,746,697	\$ (416,402)
27		Total Water Service Revenues	\$ 210,318,865	\$ 205,396,333	\$ 4,922,532
28		II. OTHER WATER REVENUES			
29	610	Customer Surcharges	-	-	\$ -
30	611	Miscellaneous Service Revenues	3,212,507	254,836	\$ 2,957,671
31	612	Rent from Water Property	39,535	44,264	\$ (4,729)
32	613	Interdepartmental Rents	-	-	\$ -
33	614	Other Water Revenues	14,480,987	12,600,993	\$ 1,879,994
34	615	Recycled Water Revenues	-	-	\$ -
35		Total Other Water Revenues	\$ 17,733,029	\$ 12,900,093	\$ 4,832,936
36	501	Total operating revenues	\$ 228,051,894	\$ 218,296,426	\$ 9,755,468

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			-	-	\$ -	
5	702	Operation labor and expenses	A	B	104,801	114,466	\$ (9,665)	
6	703	Miscellaneous expenses	A		956,895	966,902	\$ (10,007)	
7	704	Purchased water	A	B	C	50,757,005	52,087,630	\$ (1,330,625)
8		Maintenance						
9	706	Maintenance supervision and engineering	A	B	182	-	\$ 182	
10	706	Maintenance of structures and facilities			-	-	\$ -	
11	707	Maintenance of structures and improvements	A	B	-	-	\$ -	
12	708	Maintenance of collect and impound reservoirs	A		20,721	32,220	\$ (11,499)	
13	708	Maintenance of source of supply facilities		B	-	-	\$ -	
14	709	Maintenance of lake, river and other intakes	A		9,827	-	\$ 9,827	
15	710	Maintenance of springs and tunnels	A		-	-	\$ -	
16	711	Maintenance of wells	A		8,040	1,439	\$ 6,601	
17	712	Maintenance of supply mains	A		-	136	\$ (136)	
18	713	Maintenance of other source of supply plant	A	B	393,642	110,170	\$ 283,472	
19		Total source of supply expense			\$ 52,251,113	\$ 53,313,040	\$ (1,061,927)	
20		II. PUMPING EXPENSES						
21		Operation						
22	721	Operation supervision and engineering	A	B	72,383	77,783	\$ (5,400)	
23	721	Operation supervision labor and expense			-	-	\$ -	
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	1,446,796	1,305,974	\$ 140,822	
28	725	Miscellaneous expenses	A		613,048	714,870	\$ (101,822)	
29	726	Fuel or power purchased for pumping	A	B	C	6,063,128	6,045,693	\$ 17,435
30		Maintenance						
31	729	Maintenance supervision and engineering	A	B	89,766	59,148	\$ 30,618	
32	729	Maintenance of structures and equipment			-	-	\$ -	
33	730	Maintenance of structures and improvements	A	B	1,865	1,029	\$ 836	
34	731	Maintenance of power production equipment	A	B	3,302	34,733	\$ (31,431)	
35	732	Maintenance of power pumping equipment	A	B	-	-	\$ -	
36	733	Maintenance of other pumping plant	A	B	607,688	400,294	\$ 207,394	
37		Total pumping expenses			\$ 8,897,976	\$ 8,639,524	\$ 258,452	

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		7,870	11,272	\$ (3,402)
41	741	Operation supervision, labor and expenses			C	-	-	\$ -
42	742	Operation labor and expenses	A			1,876,342	1,671,213	\$ 205,129
43	743	Miscellaneous expenses	A	B		1,317,648	1,681,079	\$ (363,431)
44	744	Chemicals and filtering materials	A	B		1,131,845	813,986	\$ 317,859
45		Maintenance						
46	746	Maintenance supervision and engineering	A	B		47,128	86,956	\$ (39,828)
47	746	Maintenance of structures and equipment			C	-	-	\$ -
48	747	Maintenance of structures and improvements	A	B		-	920	\$ (920)
49	748	Maintenance of water treatment equipment	A	B		465,453	710,118	\$ (244,665)
50		Total water treatment expenses				\$ 4,846,286	\$ 4,975,544	\$ (129,258)
51		IV. TRANS. AND DIST. EXPENSES						
52		Operation						
53	751	Operation supervision and engineering	A	B		1,265,948	1,175,068	\$ 90,880
54	751	Operation supervision, labor and expenses			C	-	-	\$ -
55	752	Storage facilities expenses	A			42,220	47,690	\$ (5,470)
56	752	Operation labor and expenses		B		-	-	\$ -
57	753	Transmission and distribution lines expenses	A			7,565	23,943	\$ (16,378)
58	754	Meter expenses	A			65,183	83,277	\$ (18,094)
59	755	Customer installations expenses	A			100,174	83,838	\$ 16,336
60	756	Miscellaneous expenses	A			1,296,832	2,950,999	\$ (1,654,167)
61		Maintenance						
62	758	Maintenance supervision and engineering	A	B		71,658	16,778	\$ 54,880
63	758	Maintenance of structures and plant			C	-	-	\$ -
64	759	Maintenance of structures and improvements	A	B		-	235	\$ (235)
65	760	Maintenance of reservoirs and tanks	A	B		32,802	58,594	\$ (25,792)
66	761	Maintenance of trans. and distribution mains	A			1,092,733	1,172,547	\$ (79,814)
67	761	Maintenance of mains		B		-	-	\$ -
68	762	Maintenance of fire mains	A			-	289	\$ (289)
69	763	Maintenance of services	A			1,102,958	1,102,833	\$ 125
70	763	Maintenance of other trans. and distribution plant		B		-	-	\$ -
71	764	Maintenance of meters	A			35,829	55,694	\$ (19,865)
72	765	Maintenance of hydrants	A			100,208	64,651	\$ 35,557
73	766	Maintenance of miscellaneous plant	A			4,207,148	4,062,757	\$ 144,391
74		Total transmission and distribution expenses				\$ 9,421,258	\$10,899,193	\$ (1,477,935)

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		67,137	39,492	\$ 27,645
78	771	Superv., meter read., other customer acct expenses			C	-	-	\$ -
79	772	Meter reading expenses	A	B		1,077,089	1,175,475	\$ (98,386)
80	773	Customer records and collection expenses	A			1,076,738	1,013,439	\$ 63,299
81	773	Customer records and accounts expenses		B		-	-	\$ -
82	774	Miscellaneous customer accounts expenses	A			57,863	51,731	\$ 6,132
83	775	Uncollectible accounts	A	B	C	-	-	\$ -
84		Total customer account expenses				\$ 2,278,827	\$ 2,280,137	\$ (1,310)
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	5,339,345	5,819,657	\$ (480,312)
101	792	Office supplies and other expenses	A	B	C	91,376	95,386	\$ (4,010)
102	793	Property insurance	A			3,987	2,237	\$ 1,750
103	793	Property insurance, injuries and damages		B	C	-	-	\$ -
104	794	Injuries and damages	A			354,807	(29,442)	\$ 384,249
105	795	Employees' pensions and benefits	A	B	C	3,672,806	3,599,800	\$ 73,006
106	796	Franchise requirements	A	B	C	-	-	\$ -
107	797	Regulatory commission expenses	A	B	C	182	49,542	\$ (49,360)
108	798	Outside services employed	A			2,880,130	2,208,192	\$ 671,938
109	798	Miscellaneous other general expenses		B		-	-	\$ -
110	798	Miscellaneous other general operation expenses			C	-	-	\$ -
111	799	Miscellaneous general expenses	A			8,922,044	7,288,988	\$ 1,633,056
112		Maintenance						
113	805	Maintenance of general plant	A	B	C	195,006	235,093	\$ (40,087)
114		Total administrative and general expenses				\$ 21,459,683	\$ 19,269,453	\$ 2,190,230
115		XI. MISCELLANEOUS						
116	810	Customer surcredits				-	-	\$ -
117	811	Rents	A	B	C	1,240,049	1,179,409	\$ 60,640
118	812	Administrative expenses transferred - Cr. ¹	A	B	C	28,421,818	28,976,576	\$ (554,758)
119	813	Duplicate charges - Cr. CA-AM Corp Allocated Return on Rate Base ¹	A	B	C	2,929,540	1,902,734	\$ 1,026,806
120		Total miscellaneous				\$ 32,591,407	\$ 32,058,719	\$ 532,688
121		Total operating expenses				\$ 131,746,550	\$ 131,435,610	\$ 310,940

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	\$ 697	448,567		(447,870)	
2	California corporate franchise taxes	\$ -				
3	Property taxes	\$ 5,725,308	5,592,899		132,409	
4	Other taxes	\$ -				
5	State income taxes	\$ 3,350,296	3,304,338		45,958	
6	Other state and local taxes	\$ 558,756	240,180		318,576	
7	State unemployment taxes	\$ 78,829	66,814			12,015
8	Federal unemployment insurance	\$ 13,190	10,116			3,074
9	Fed. Ins. Contr. Act. (old age retire)	\$ 2,206,778	1,589,285			617,493
10	Licenses	\$ 74,694	74,694			
11	Federal deferred and ITC	\$ 8,823,176	8,823,176			
12	State deferred	\$ 1,624,052	1,624,052			
13		\$ -				
14	Total	\$ 22,455,776	\$ 21,774,121	\$ -	\$ 49,073	\$ 632,582

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	39,406,171
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	\$ 39,406,171
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 2015) Department of the Treasury Internal Revenue Service	Application for Automatic Extension of Time To File Certain Business Income Tax, Information, and Other Returns		OMB No. 1545-0233
	File a separate application for each return. Go to www.irs.gov/Form7004 for instructions and the latest information.		
Print or Type	Name <u>American Water Works Company, Inc. & Subs</u> Number, street, and room or suite no. (if P.O. box, see instructions.)	Identifying number <u>51-0063696</u>	
	City, town, state, and ZIP code (if a foreign address, enter city, province or state, and country (follow the country's practice for entering postal code).) <u>Camden, NJ 08101-2738</u>		

Note: File request for extension by the due date of the return. See instructions before completing this form.
Part I Automatic Extension for Certain Business Income Tax, Information, and Other Returns. See instructions.

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

Application Is For:	Form Code	Application Is For:	Form Code
Form 706-GS(D)	01	Form 1120-ND (section 4951 taxes)	20
Form 706-GS(T)	02	Form 1120-PC	21
Form 1041 (bankrupt estate only)	03	Form 1120-POL	22
Form 1041 (estate other than a bankrupt 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 8612	28
Form 1066	11	Form 8613	29
Form 1120	12	Form 8725	30
Form 1120-C	34	Form 8804	31
Form 1120-F	15	Form 8831	32
Form 1120-FSC	16	Form 8876	33
Form 1120-H	17	Form 8924	35
Form 1120-L	18	Form 8928	36
Form 1120-ND	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 20 19, or tax year beginning 20, and ending 20.

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

6 Tentative total tax 6 NONE

7 Total payments and credits. See instructions 7

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

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

JSA
SK0915 1.000

0002FK 1MC4 04/09/2020 13:32:09 V19-4.2F

5

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 - 01/01/19-12/31/19

COMPANY	Employer EIN
American Industrial Water LLC	47-1730161
American Lake Water Company	06-1396121
American Water (USA) LLC	98-0165920
American Water Capital Corp	22-3732448
American Water Defense Services, LLC	84-1872466
American Water Enterprises Holding LLC	76-0605357
American Water Enterprises LLC	22-3169459
American Water Federal Services, LLC	84-1888611
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 Works Co Inc.	51-0063696
American Water Works Service Co Inc.	23-1340234
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
Environmental Disposal Corporation	22-2391983
Environmental Management LLC	43-1205270
E'town Properties Inc.	22-2817018
E'Town Services LLC	42-1533685
Georgia-American Water Company LLC	84-1783027
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
One Water Street LLC	81-4501058
Pennsylvania-American Water Company	25-1008096
Pivotal Home Solutions Co.	36-3857885
Tennessee-American Water Company	62-0529095
TWH LLC	52-1723310
TWNA Inc.	06-1548192
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	189		\$ 189
2				\$ -
3				\$ -
4				\$ -
5	Totals	\$ 189	\$ -	\$ 189

SCHEDULE B-9		
Account 522 - Revenues from Lease of Other Physical Property		
Line No.	Description of Items (a)	Amount (b)
1	Various Revenue	87,889
2		
3		
4		
5	Total	\$ 87,889

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	2,502,555
2	Interest Income - STD Intercompany	
3		
4		
5	Total	\$ 2,502,555

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	166,493
2		
3		
4		
5		
6		
7		
8	Total	\$ 166,493

SCHEDULE B-14
Account 527 - Nonoperating Revenue Deductions

Line No.	Description (a)	Amount (b)
1	M & J Expenses	246,439
2		
3		
4		
5	Total	\$ 246,439

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

Line No.	Description of Items (a)	Amount (b)
1	Interest on Outside Debt	3,599,578
2	Interest on Inside Debt	14,736,706
3	Amortization of Discount on Debt	31,022
4		
5	Total	\$ 18,367,306

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	477,681
2	Amortization of Revolving Credit Line Fees	59,739
3		
4		
5	Total	\$ 537,420

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	1,056,739
2		
3		
4		
5	Total	\$ 1,056,739

SCHEDULE B-20
Account 535 - Other Interest Charges

Line No.	Description (a)	Amount (b)
1	Various Interest Charges	217,356
2		
3		
4		
5	Total	\$ 217,356

<p align="center">SCHEDULE B-21 Account 536 - Interest Charged to Construction - Cr.</p>		
Line No.	Description of Items (a)	Amount (b)
1	AFUDC - Equity	(8,247,629)
2	AFUDC - Debt	(3,208,403)
3		
4		
5	Total	\$ (11,456,032)

<p align="center">SCHEDULE B-22 Account 537 - Miscellaneous Amortization</p>		
Line No.	Description of Items (a)	Amount (b)
1	None	
2		
3		
4		
5	Total	\$ -

<p align="center">SCHEDULE B-23 Account 538 - Miscellaneous Income Deductions</p>		
Line No.	Description (a)	Amount (b)
1	Various Miscellaneous Income Deductions	311,256
2		
3		
4		
5	Total	\$ 311,256

<p align="center">SCHEDULE B-24 Account 540 - Miscellaneous Reservations of Net Income</p>		
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, Inc.	
3	Date of original contract or agreement.	<u> January 1, 1971 </u>
4	Date of each supplement or agreement.	<u> January 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> 11,709,891 </u>
	(b) Charged to capital accounts	\$ <u> 5,152,377 </u>
	(c) Charged to other accounts	\$ <u> </u>
	Total	\$ <u> 16,862,268 </u>
11	Distribution of charges to operating expenses by primary accounts.	
	Number and Title of Account	
	<u> Account 798 Outside Services </u>	<u> 11,709,891 </u>
	<hr/>	
	Total	<u> \$11,709,891 </u>
12	What relationship, if any, exists between respondent and supervisory and/or managing concerns? American Water Works Service Company, Inc. 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		142,689
2	Employees - Pumping		1,612,246
3	Employees - Water treatment		1,957,526
4	Employees - Transmission and distribution		3,803,298
5	Employees - Customer account		2,254,620
6	Employees - Sales		
7	Employees - Administrative		12,356,091
8	General officers		
9	General office		
10	Total	-	\$ 22,126,470

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	2019		6			6			104	144,077
2						-				
3						-				
4	Total	-	6	-	-	6	-	\$ -	104	\$ 144,077

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	15,816
2		
3		
4		
5		
6	Total	\$ 15,816

**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	97,597
2	Jeffrey Dana	37,009
3	Garry Hofer	55,212
4	Ian Crooks	39,038
5	Kimberly Castillo	24,563
6	Sarah Leeper	81,826
7	Anthony Cerasuolo	39,826
8	Jeffrey Linam	44,152
9	Thomas Brunet	27,579
10	Kent Hodgkinson	34,716
11	Stacey Fulter	10,027
12	Kathryn Horning	37,460
13	Stephen Wesley Owens	46,252
14	Total	\$ 575,257

**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	9,675,646 (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	543,780,149	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	149	74,070,769	Gallons
12	Concrete	15	5,131,350	Gallons
13	Total	192	667,197,768	

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	19,758	176	6,104	242,614	-	411,413	151,275
12	Cast Iron (cement lined)	178	-	26,669	-	103	169,643	-	267,968	93,144
13	Concrete	-	-	-	-	-	-	-	276	260
14	Copper	2,371	1,790	2,021	-	-	-	-	723	-
15	Riveted steel	1,004	782	10,441	-	1,971	174,461	156	241,289	199,493
16	Standard screw	-	-	-	-	-	-	-	-	-
17	Screw or welded casing	-	-	-	-	-	-	-	-	-
18	Cement - asbestos	775	-	8,816	-	2,305	257,648	2,137	1,770,729	1,775,001
19	Welded steel	-	-	-	-	-	-	-	-	-
20	Wood	-	-	-	-	-	-	-	-	-
21	Other - Galvanized	567	970	31,268	1,666	144	221	-	147	820
22	Other - PVC	5,470	1,170	28,923	5,896	3,509	53,847	-	340,095	1,607,881
23	Other - Ductile Iron	489	-	2,714	-	-	3,087	-	12,697	65,039
24	Other - PE	-	-	1,144	-	-	839	-	-	273
25	Other - Brass	2	-	203	9	-	-	-	15	-
26	Other - Unknown	2,603	3,670	22,740	1	1,431	61,231	1,321	86,090	144,235
27	Total	13,644	8,596	154,699	7,748	15,567	963,590	3,615	3,131,442	4,037,420

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

Line No.		10	12	14	16	18	20	Other Sizes (Specify Sizes)			Total All Sizes
								22-24	30-36	unknown	
28	Cast Iron	31,269	76,604	1,261	17,726	-	993	-	-	-	959,595
29	Cast Iron (cement lined)	1,008	43,907	-	46,693	139	-	1,205	-	-	650,657
30	Concrete	-	-	-	-	-	-	-	-	-	535
31	Copper	-	-	-	-	-	-	-	-	-	6,904
32	Riveted steel	69,406	161,985	16,564	39,002	31,745	19,479	20,116	53,975	-	1,041,869
33	Standard screw	-	-	-	-	-	-	-	-	-	-
34	Screw or welded casing	-	-	-	-	-	-	-	-	-	-
35	Cement - asbestos	600,648	309,598	25,259	72,314	4,556	7,408	4,246	1,660	-	4,843,101
36	Welded steel	-	-	-	-	-	-	-	-	-	-
37	Wood	-	-	-	-	-	-	-	-	-	-
38	Other - Galvanized	37	635	-	-	-	-	-	-	-	36,475
39	Other - PVC	158,617	447,023	140	38,605	668	17,272	3,868	-	-	2,712,984
40	Other - Ductile Iron	14,792	88,986	649	135,824	7,262	71,527	65,561	83,702	-	552,329
41	Other - PE	-	-	-	-	-	-	-	-	-	2,257
42	Other - Brass	-	-	-	-	-	-	-	-	-	228
43	Other - Unknown	20,790	25,044	195	3,530	125	606	2,714	3,670	31,648	411,644
44	Total	896,567	1,153,782	44,067	353,696	44,494	117,286	97,709	143,007	31,648	11,218,578

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	154,404	155,453	176	-
Commercial	16,033	16,089	13	-
Industrial	238	240	-	-
Public authorities	1,651	1,637	-	-
Irrigation	15	4	-	-
Other (Misc., Co. Acct., Resale, Golf Course)	140	135	-	-
Agriculture				
Subtotal	172,481	173,558	189	-
Private fire connections	-	-	3,194	3,199
Public fire hydrants	-	-	15,038	15,122
Total	172,481	173,558	18,421	18,321

SCHEDULE D-5			
Number of Meters and Services on Pipe Systems at End of Year			
Size	Meters	Active Service Connections	
5/8 x 3/4 - in	143,100	-	
3/4 - in	1,785	85,182	
1 - in	22,774	74,453	
1 1/2 - in	4,414	5,258	
2 - in	5,522	9,336	
3 - in	262	181	
4 - in	240	876	
6 - in	89	528	
8 - in	34	65	
10 - in	2	2	
12 - in	-	3	
Other	9	3,443	
Total	178,231	179,327	

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 . . .	44
2. Used, before repair	943
3. Used, after repair	26
4. Found fast, requiring billing adjustment	-
B. Number of Meters in Service Since Last Test	
1. Ten years or less	123,467
2. More than 10, but less than 15 years	41,868
3. More than 15 years	6,736

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	926,779	814,562	743,569	928,635	1,216,724	1,300,705	1,462,287	7,393,259
Commercial	375,885	352,433	338,992	372,278	493,214	532,811	600,823	3,066,436
Industrial	44,581	53,338	48,651	49,612	47,786	36,042	71,917	351,927
Public authorities	46,471	34,786	31,136	54,822	134,228	156,011	201,242	658,696
Irrigation	-	-	-	-	-	-	-	-
Other (Fire, Misc., Resale, Co. Accts.)	7,700	3,232	5,941	4,429	8,943	5,825	13,830	49,900
Other (Monterey & Larkfield - See District Report)	77,703	69,252	65,587	76,283	87,260	112,841	104,382	593,309
Total	1,479,118	1,327,603	1,233,875	1,486,060	1,988,156	2,144,235	2,454,481	12,113,528

Classification of Service	During Current Year							Total Prior Year
	August	September	October	November	December	Subtotal	Total	
Residential	1,754,412	1,593,970	1,442,872	1,376,720	1,090,346	7,258,319	14,651,578	15,485,638
Commercial	672,131	675,765	584,644	547,393	458,609	2,938,543	6,004,979	6,224,945
Industrial	62,684	16,026	48,917	58,558	50,252	236,437	588,365	691,735
Public authorities	209,312	259,679	184,647	155,207	93,471	902,316	1,561,012	1,671,289
Irrigation	-	-	-	-	-	-	-	-
Other (Fire, Misc., Resale, Co. Accts.)	12,106	16,014	9,601	8,296	6,713	52,731	102,631	239,632
Other (Monterey & Larkfield- See District Report)	124,860	132,313	109,630	119,459	87,262	573,523	1,166,833	1,210,452
Total	2,835,504	2,693,767	2,380,311	2,265,634	1,786,653	11,961,869	24,075,397	25,523,692

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 _____ 548,672

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 reported to the U.S. Securities and Exchange Commission ("SEC") on May 10, 2017 that, as of April 28, 2017, it had acquired beneficial ownership (as defined under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and rules thereunder) of 10.06% of the common stock of American Water Works Company, Inc. ("American Water"), California American Water Company's ("California American Water") parent company. California American Water notified the Commission of this event on May 12, 2017 and filed advice letter 1169-A on August 29, 2017. By virtue of the SEC report form Vanguard used, California American Water may reasonably assume that Vanguard did not acquire American Water stock for the purpose of or with the effect 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 reported to the SEC on December 6, 2012 that, as of November 30, 2012, it had acquired beneficial ownership (as defined under the Exchange Act and rules thereunder) 10.53% of the common stock of American Water. By virtue of the SEC report form BlackRock used, California American Water may reasonably assume that Blackrock did not acquire or hold the stock for the purpose of or with the effect of changing or influencing the control of American Water 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. On March 4, 2020 BlackRock reported that it beneficially owned less than 10% of the common stock at December 31, 2019.

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

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

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

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

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

4. Date of permit: 6/2/1967

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

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

7. If so, on what date? NA

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

SCHEDULE D-8 Addendum
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:
Rio Plaza Yes _____ No X
Baldwin Hills Yes X No _____
Duarte Yes X No _____
San Marino Yes X No _____

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

Answer:
Rio Plaza Yes _____ X
Baldwin Hills Yes X _____
Duarte Yes X _____
San Marino Yes X _____

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

Answer:
Rio Plaza Yes X _____
Baldwin Hills Yes X _____
Duarte Yes X _____
San Marino Yes X _____

4. Date of permit: See below

<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
Rio Plaza	04-06-19P-004	5/1/2019

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

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

7. If so, on what date? NA

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

SCHEDULE D-8 Addendum
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:
 Thousand Oaks/Newbury Park System Yes _____ No X
 Las Posas System Yes _____ No X
2. Are you having routine laboratory tests made of water served to your consumers?
Answer:
 Thousand Oaks/Newbury Park System Yes X No _____
 Las Posas System Yes X No _____
3. Do you have a permit from the State Board of Public Health for operation of your water system?
Answer:
 Thousand Oaks/Newbury Park System Yes X No _____
 Las Posas System Yes X No _____
4. Date of permit: _____ see below

	<u>Permit Number</u>	<u>Date</u>
Thousand Oaks/Newbury Park	04-06-014P-009	11/18/2014
Las Posas	03-06-00P-021-LPE	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**

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	100,853		-	2,946			103,799
2	Catastrophic Event Memorandum Account	Res No. E-3228	(135,873)		(44,767)				(180,640)
3	Cease and Desist Order Memorandum Account	Res W4824	(5,111,210)		(917,182)	(137,738)			(6,166,130)
4	Chromium-6 Memorandum Account - Sacramento	AL 1020 - A	(11,010,477)		(1,268,991)	(33,050)			(12,312,518)
5	Coastal Water Project Balancing Account	D06-11-050	151,347		(151,347)				(0)
6	Coastal Water Project Memorandum Account	D06-11-050	(6,832,296)		(2,424,566)	(185,596)			(9,442,458)
7	Conservation Surcharge Balancing Account - All Districts	D. 12-06-016	(1,598,882)	-	(135,021)	(11,805)	3,063,553	-	1,317,846
8	Conservation/Rationing Memorandum Account - All District	Res W-4976, AL 1047	(496,518)	-	451,772	(3,989)	-	-	(48,735)
9	Consolidated Expense Balancing Account - All District	D12-06-016	(2,428,103)	-	(1,109,142)	(191,807)	(4,517,948)	-	(8,247,000)
10	Credit Card Pilot Memo Account	D18-12-021	-		(121,858)	(417)			(122,275)
11	Dunnigan Consulting Memorandum Account	AL 1101	(483,865)		(64,416)	(9,553)			(557,834)
12	Emergency Rationing Costs Incurred by CAW Memorandum Account	D.09-05-029	-						-
13	Endangered Species Act (ESA) Memorandum Account	D12-06-016	(1,738,395)		(141,092)	(39,554)			(1,919,042)
14	Environmental Improvement and Compliance Issues Memo Account	D15-11-012, D18-12-021	(483,865)		(64,416)	(9,553)			(557,834)
15	Garrapata Service Area SDWSRF Loan Repayment Balancing Account	D13-01-033	(16,343)			(1,227)			(17,570)
16	GRC Interim Rates True Up Memo Account - 2016	D18-12-021	(189,684)		189,684		(228)		(228)

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)
17	Group Insurance Balancing Account - All District	D18-12-021	(691,967)	-	(653,100)	(19,698)	-	-	(1,364,765)
18	Leak Adjustments Memorandum Account (LAMA)	D12-06-016, AL991	(3,840,115)		427,639				(3,412,477)
19	Low-Income Ratepayer Assistance (LIRA) Program Balancing Account- All District	D15-04-007	324,484	-	-	8,627	829,519	-	1,162,629
20	Meadowbrook CIAC Memorandum Account	D16-12-014	(575,000)		2,186		111,564		(461,250)
21	NOAA_ESA Memorandum Account	AL 929	(4,858,928)			(56,496)			(4,915,424)
22	Non-Revenue Water Action Plan Memorandum Account	D 12-06-016	(78,205)			75,456			(2,748)
23	Old Monterey Style WRAM Balancing Account	D12-06-016	(982,075)		947,525	258			(34,291)
24	OPEB Balancing Account - All District	D12-06-016	1,019,798	-	1,142,125	30,720	-	-	2,192,642
25	Pension Balancing Account - All District	D12-06-016	940,341	-	1,036,627	47,243	-	-	2,024,211
26	Public Safety Shut-Off Memo Account ³	AL 1275	-						-
27	Purchased Water, Purchased Power, & Pump Tax Balancing Account - Monterey WW and Sacramento	D12-06-016	(177,372)		(22,414)	(4,026)			(203,812)
28	Rio Plaza Groundwater Memo Account	Res W-5202, AL 1250	-		(14,976)	(217)	3		(15,190)
29	Rio Plaza Transaction Memo Account	Res W-5202, AL 1250	-		(139,224)	(2,057)			(141,280)
30	San Clemente Dam Balancing Account	D12-06-040	(85,125,754)		61,513	(6,042,984)	7,920,837		(83,186,388)
31	Sand City Desalination Plant Purchased Water Balancing Account	D13-04-015	(1,188,581)		108,190	679,569	(44,307)		(445,128)
32	School Lead Testing Memorandum Account	AL 1164-A	(7,484)		(2,483)	(277)			(10,245)

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)
33	Seaside Basin Adjudication Balancing Account	D09-07-021	(164,774)		-	(1,645)	156,557		(9,862)
34	Seaside Groundwater Basin Balancing Account	D12-06-016	878,124		(489,202)	1,699			390,621
35	Sustainable Groundwater Management Act Memorandum Account	D18-12-021	(310,456)		(215,597)	(10,042)			(536,095)
36	Two-way Tax Memo Account	D18-12-021	-		10,533,510			(2,550,751)	7,982,759
37	Water-Energy Nexus Program Memorandum Account	D15-09-023	(284,008)		913	(5,820)			(288,915)
38	West Placer Memorandum Account	D13-10-003	(5,761,100)						(5,761,100)
39	WRAM/MCBA - All District	D08-11-023	(89,285,607)	(15,217,847)	11,083,162	(1,720,294)	24,892,785	-	(70,247,800)
40									

Notes:

- 1) Balances are reflected as Over / (Under) Collections
- 2) Includes amounts related to the Unaccounted for Water Incentive Program
- 3) The following accounts have a zero balance and have been removed from the E-1:
 - Carmel River Mitigation Program Balancing Account
 - MPWMD Conservation Balancing Account
 - Tax Act Memorandum Account
 - Chrome VI Memo Account
 - Low Income Ratepayer Assistance Memo Account

**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. Income Guidelines are based on Energy's CARE Program Guidelines and program costs are funded through surcharge for all non low income customers.

2. Participation rate for Year 2019 (as a percent of total residential customers served per district) at 12/31/19

San Diego	17%
Larkfield	5%
Los Angeles	14%
Monterey	5%
Sacramento	10%
Ventura	5%

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, 2019					
	Type of Account*	Expenses Incurred	Revenues Lost	Interest Accrued	Net Account
San Diego	B/A		379,840	12,058	391,898
Los Angeles	B/A		370,804	4,809	375,613
Ventura	B/A		120,696	(16,169)	104,527
Monterey	B/A		547,561	(11,506)	536,055
Larkfield	B/A		13,917	(881)	13,036
Sacramento	B/A		692,355	3,062	695,417
Total			2,125,173	(8,627)	2,116,546

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 2019 Annual Summary Report

California American Water

San Diego County District

Ventura County District

Los Angeles County District

Monterey County District

Sacramento District

Larkfield District

June 2020



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 2019;
- To provide estimated water savings associated with programs; and
- To document conservation program activity to the extent that is required in Schedule E-3 of the Annual California Public Utilities Commission (“CPUC”) Reports, and Larkfield, Sacramento, and Los Angeles County districts per D.10-06-038, and the general data elements requested by ORA and CPUC in A.10-07-007 and in I.07-01-022 per Decision D. 11-05-004, Conservation OII proceedings.

Regulatory Reporting Requirements

CPUC Annual Report

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

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

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

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

Summary

California American Water's Conservation Programs are in place to help secure long term water supply reliability, educate customers on conservation and efficiency practices in their daily lives, help reduce peak water demand and help customers lower their water bills through effective water demand management. A further objective of the post 2011-2017 drought conservation programs was and continues to be the preservation of gains in water conservation that were so successfully achieved during these drought years. And last, California American Water's conservation programs are in place to help ensure all of the Company'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.

2019 marked the second year of the 2018-2020 Rate Case Cycle, 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 Rate case decision authorizing conservation programs and budgets, the Company decided to reduce conservation spending in 2018 to the extent possible but ramped up programs in early 2019 with the now authorized funds approved in Decision D.18-12-021. This new Decision 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 in its current GRC filing for 2021-2023 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 in 2019 continued to provide many service calls in the field at customers' homes and yards including water wise house calls, water waste patrols, sprinkler checkups, 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. 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 2019, 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 2019 providing significant conservation program 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; some variances to the Company’s general ledger are possible.

Table 1 shows the combined estimated water savings from all districts in 2019 for quantifiable conservation measures

Table 1. 2019 Statewide Summary of Water Savings

Table 1. 2019 Statewide Summary of Water Savings		
District	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
San Diego	20.75	103.75
Ventura	33.30	228.76
Los Angeles	36.73	206.12
Monterey	69.73	469.36
Sacramento	49.67	294.84
Larkfield	2.29	13.66
Total	212.47	1316.49

San Diego County District

The programs funded by California American Water’s conservation surcharge during 2019 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 2019	# 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	\$ 71,165	n/a	n/a	n/a	n/a
Public Information programs	Advertising, PSAs, Community Events	\$ 12,000	27	n/a	\$ 12,383	n/a	n/a	n/a	n/a
School Education programs	School education pgm -Miss Smarty Plants	\$ 21,667	12	n/a	\$ 24,099	n/a	n/a	n/a	n/a
Residential Water Audits	Residential audits (in-house and vendor)	\$ 5,000	43	Approx. \$260	\$ 6,009	0.0400	5	1.28	6.40
Low Flow Fixtures (see table 3)	Conservation devices	\$ 4,000	2,575	varies	\$ 4,074	varies	5	17.49	87.45
Low Income Water/Energy Direct Install	SDGE Direct Install	\$ 16,667	0	varies	\$ -	0.0425	20	n/a	n/a
Water Bottle Filling Station Install	Water Bottle Filling Station - Public Schools	\$ -	7	n/a	\$ 15,435	n/a			
CII and Large Landscape Conservation (Audits)	CII & LL Audits	\$ 21,333	3	varies	\$ 10,314	0.6600	5	1.98	9.90
Partnerships/Research	AWE - Landscape Transformation Study	\$ -	1	n/a	\$ 2,500	n/a	n/a	n/a	n/a
Memberships	CUWCC/ CALWEP	\$ -	n/a	n/a	\$ 1,285	n/a	n/a	n/a	n/a
Total		\$ 149,463			\$ 147,264			20.75	103.75

Conservation Coordinator (Staffing)

San Diego County District funded one full-time Conservation position in 2019. The conservation representative supported the administration of the conservation program by responding to customer inquiries, managing customer consumption concerns, conducting indoor and outdoor water audits, performing water waste violation patrols, assisted in planning and attending 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.

Public Information Program

The San Diego County District’s Public Information Program comprises of sponsoring community events, attending public meetings, promoting customer outreach campaigns, providing notifications through bill text messages and inserts, and expanding our social media presence and email communications. The overall objective of the Public Information Program is to promote water use efficiency and conservation programs to all our San Diego County District customers.



California American Water hosted a company booth at more than five San Diego area community events in 2019, including the City of San Diego National Night Out, Imperial Beach 13th St Community Event, Imperial Beach Open House, IB Public Safety Open House, Coronado Fire Open House, Coronado Wellness Fair, Coronado Concert in the Park, the Coronado Fire Burn Unit Spaghetti Dinner, and the Little Leagues of Coronado and Imperial Beach. The San Diego County District also sponsored the Imperial Beach Sea & Sand Festival, the largest community event of the year with more than 1,000 attendees.

Customers in the San Diego County District received 27 bill inserts, 13 customer emails, 29 direct mailings, 2 print and radio ads were placed in local news outlets, and 22 other communication methods were offered to reach out to customers in 2019. Our bill text messages, bill inserts, and customer emails included

information on the water-use efficiency tips and programs, upcoming community events, and regional partner agency updates. Messaging also reminded customers of the permanent water use restrictions and State mandates. Working in conjunction with the External Affairs team, conservation outreach and education continues to be expanded online, and on the company’s social media platforms.

In June 2019, the San Diego County District introduced community education classes. We kicked this off with a Leak Detection Class facilitated by Blue WatchDog Conservation, Inc. Customers were given a 90-minute class to detect indoor and outdoor leaks and complete basic repairs. This class was held in the City of Coronado, CA. The second class offered was Greywater Laundry to Landscape. This class showed customers step by step how to install an in-home grey water system to use for their landscape. This included a hands-on portion where customers could assemble and disassemble a 3-way pipe diverter. This class was facilitated by Catching H₂O, and was held in the City of Imperial Beach, CA. Both classes had very positive responses and were requested to be offered again in the future.

The San Diego County District's Conservation Department is also heavily involved in community volunteer and support opportunities. In 2019, the Conservation Department assisted External Affairs with "Operation Gobble" which distributed more than 800 turkeys and meals to families in need during the Thanksgiving/ Holiday season.

The Public Information Program 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. These expenses, through the conservation surcharge, include educational materials, displays and informative giveaways, conservation related bill inserts and mailers, and special outreach letters to customers related to water conservation. 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.



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. The Assembly program is a perfect way to get the entire school on board with water efficiency and conservation. Teachers and school administrators have often pointed out "a wave of enthusiasm that rolls through their school when Ms. Smarty-Plants™ is onsite." Teachers are able to ride this wave into continued classroom learning about water conservation and sustainability.

The Ms. Smarty-Plants™ (MSP) Assembly typically takes place in the schools' auditorium or multi-purpose room. Most often there are two programs given on the same day: one for the Lower-Grade K-2nd students, and one for the upper grade 3rd-5th/6th. Because of this, Ms. Smarty-Plants™ is able to reach a larger number of students, in a performance-style presentation that includes music, laughter, and interaction from the audience – both students and teachers. Ms. Smarty-Plants™ Field Trips provide students a rare



Finney Elementary School Assembly

opportunity to visit an outdoor space. Important lessons on water efficiency are taught with nature as a backdrop. Students can witness the beauty of drought-tolerant plants and see firsthand water conservation methods in the landscape. The activities include fieldwork such as making observations, collecting data, and immersing in the beauty of nature. The field trip is typically given for one or two classrooms at a time and includes anywhere from 8-20 parents attending. The parents experience the same amount of awe as the children, and often comment with surprise at having learned a lot themselves!

These events consistently receive excellent survey feedback from both teachers and students. In 2019, there were 2 school assemblies and 10 garden tours with a total of 1887 student participants from Pre-School through 6th grade.

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



Silver Strand Elementary Fieldtrip

Residential Water Audits



Water audit in Coronado, CA

California American Water's-San Diego County District processed 43 residential surveys that were conducted both by in-house conservation staff and outside contractors. The contracted-out surveys were conducted by WaterWise Consulting, Inc., or Blue WatchDog 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.

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. In addition, we added in home leak detections kits and basic plumbing handbooks in English and Spanish. 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 2019:

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.



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.



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!



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.



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".



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.

FREE HOME WATER SURVEYS
All customers are eligible for a free program that will help you save water and money. With just a phone call, one of our friendly conservation specialists will visit your home or business to identify ways you can save water both indoors and outdoors. The water audits take from 20 minutes to one hour, in which our conservation specialists will check your irrigation systems for leaks, teach you to read your meter and create an individualized, annual watering schedule for your landscape. Contact our conservation staff today at (619) 446-5706 to make an appointment for this valuable service.



CALIFORNIA AMERICAN WATER

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 2019	Estimated water savings per unit/year (AF)	Unit lifespan	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Showerheads	100	\$4.72		0.0115	5	1.15	5.75
Kitchen Faucet Aerators (1.5 gpm)	0	\$1.75		0.0168	5	0	0
Bathroom Faucet Aerators (1.0 gpm)	550	\$0.54		0.0280	5	15.40	77.00
Toilet Flappers	200	\$1.88		0.0047	5	0.94	4.70
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	75	\$7.48		unknown	5	unknown	unknown
Shower Timer	1500	\$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	300	\$3.37		unknown	5	unknown	unknown
Soil Probe	200	\$2.50		unknown	5	unknown	unknown
	3,125		\$4,074			17.49	87.45

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, Inc and Blue WatchDog Conservation, Inc.

In 2019, San Diego completed 3 CII audits.

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



CII Audit Hotel Del Coronado, CA

Water Bottle Fill-Station Direct install

In 2019 California American Water's San Diego County District partnered with South Bay School District to install water bottle fill stations in 7 elementary schools within our service area. These elementary schools support 80% of the area's low income families.

The water bottle fill stations allow for teaching the school age students the need to not only conserve water, but to lessen our carbon footprint of plastics in landfills. The amount of water saved from not having to create disposable water bottles is not easily quantifiable in numbers, but rather in environmental impacts. In the program each school was assessed, the existing station removed, the new station installed, and training for teachers was given. The water bottle fill stations are fixed with a counter system that allows the school to see how many bottles have been saved from ending up in landfills. They also have signage on their face to show they were received from California American Water, so that the student, parents, and teachers can know we all share in our concern for creating a more earth friendly environment.



Ventura County District

The programs funded by California American Water’s conservation surcharge during 2019 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 2019	# 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	\$82,045	n/a	n/a	n/a	n/a
Public Information programs	Advertising, PSAs, Community Events	\$ 23,333	14	n/a	\$8,164	n/a	n/a	n/a	n/a
School Education programs	National Theater For Children	\$ 20,000	7	n/a	\$17,201	n/a	n/a	n/a	n/a
Residential Water Audits	Residential audits (in-house and vendor)	\$ 10,000	59	Approx. \$250	\$19,002	0.04	5	2.36	11.8
Low Flow Fixtures (see table 5)	Conservation devices	\$ 4,000	3528	varies	\$4,253	varies	5	14.6	73
Residential Rebates	HECW	\$ -	82	\$110	(MWD)	0.1075	10	8.82	88.15
Residential Rebates	ULFT	\$ -	14	\$65	(MWD)	0.0246	20	0.34	6.89
Residential Rebates	Rain Barrel/Cistern	\$ -	6	varies	(MWD)	n/a	n/a	n/a	n/a
Residential Rebates	Turf removal	\$ -	19,486 sqft	\$2	(MWD)	.00013/sq ft	10	2.53	25.33
Low Income Water/Energy Direct Install	Inter Utility Resource Savings Program	\$ 21,667	1	varies	3	0.0246	20	0.02	0.49
Landscape Upgrade Grant Program	Public landscape retrofit	\$ 25,000	1	varies	\$30,000	n/a	5	n/a	n/a
CII and Large Landscape Conservation (Audits)	CII & LL Audits	\$ 36,667	7	varies	\$27,839	0.66	5	4.62	23.1
Non-residential Rebates	various	\$ 3,333	0	n/a	\$0	n/a	n/a	n/a	n/a
Leak Detection Study	Leak Detection device rebate	\$ -	100	\$175	\$17,500	varies	n/a	n/a	n/a
Memberships	CALWEP/AWE	\$ -	n/a	n/a	\$2,294	n/a	n/a	n/a	n/a
Total		\$ 212,796			\$208,301			33.30	228.76

Conservation Representative (Staffing)

In 2019, California American Water's Ventura County District funded one full-time Conservation Representative position. The conservation representative manages customer consumption concerns through conducting residential water surveys. This representative works with the administration in creating an innovative conservation program detailed for the specific needs of the district. The position fulfills these needs by responding to customer inquiries, conducting conservation patrols, staffing public outreach conservation events and classes, 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.

Public Information Program

The Ventura County District's Public Information Program comprises of sponsoring community events, attending public meetings, promoting customer outreach campaigns, providing notifications through bill text messages and inserts, and expanding our social media presence and email communications. The overall objective of the Public Information Program is to promote water use efficiency and conservation programs to all our Ventura County District customers.

California American Water hosted a company booth at more than five Ventura area community events in 2019, including the Conejo Valley Recreation and Park District Concert in the Park, Amgen Inc Earth Day Event and the City of Thousand Oaks' Arbor/Earth Day celebration. The Ventura County District also sponsored the Thousand Oaks Rotary Club's Street Fair and Charity Corn Hole Tournament, the largest community event of the year with more than 1000 attendees.



Customers in the Ventura County District received 10 bill inserts, 10 customer emails and 7 direct mailings, 12 print and radio ads were placed in local news outlets, and 31 other communication methods were offered to reach out to customers in 2019. Our bill text messages, bill inserts, and customer emails included information on the BeWaterWise/SoCalWatersmart Rebate Programs, upcoming community events, partner agency updates, and general water-use efficiency tips. Messaging also reminded customers of the permanent water use restrictions and State mandates. Working in conjunction with the External Affairs team, conservation outreach and education continues to be expanded online, and, on the company's social media platforms.

In June 2019, the Ventura County District reintroduced the new Turf Replacement Rebate Program funded by Metropolitan Water District of Southern California educating customers on how to receive a rebate for removing their lawns. No costs were incurred to promote this program as California American Water bills include for bill messaging without the additional cost of a bill insert.



The Ventura County District’s Conservation Department is also heavily involved in community volunteer and support opportunities. In 2019, the Conservation Department assisted External Affairs with “Operation Gobble” which distributed more than 500 turkeys and meals to families in need during the Thanksgiving/ Holiday season.



The Public Information Program 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. These expenses, through the conservation surcharge, include educational materials, displays and informative giveaways, conservation related bill inserts and mailers, and special outreach letters to customers related to water conservation. 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.

School Education Program

The Ventura County District partnered with the National Theater for Children to sponsor performances of “The Aqua League”, an educational assembly highlighting the importance of water and water conservation. Three performances reached a total of 840 K-5th grade Ventura County students and 35 teachers. Along with the live in-school performances, there are student playbooks, teacher guides, infographic posters and digital games and activities. The program received rave reviews such as this one, “My students loved it! They were excited to share what they learned. I am always so surprised how much they learn for this show. It is very impressive!”-Julie E., Kindergarten Teacher, EARTHS Magnet School, Newbury, CA



In addition, Resource Action Programs (RAP) partners with California American Water service area customers as well as Southern California Gas customers to present its Ventura Living Wise Program. The program is a school-based energy efficiency education program designed to generate immediate and long-term resource savings by bringing interactive, real-world education home to students and their families. Sixth grade students through classroom discussion, hands-on and creative problem-solving activities, as well as at-home surveys, conservation kits, and monitoring of devices can realize actual measurable water and energy savings within their homes. In 2019 the program was able to reach 46 participants in the Ventura service area.

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

Residential Water Audits

California American Water's Ventura County District conducted 60 residential water audits for the year 2019. The conservation representative confers with the customer to assess the type of survey required and then requests from outside vendor to do the physical work. The surveys contracted out were conducted by WaterWise Consulting, 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 collected is 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.

Residential and Commercial Rebates

In the Ventura County District, during 2019, an extensive rebate program was provided through Metropolitan Water District of Southern California's (MWD) SoCal Water Smart program for both residential and commercial customers. Some of the rebates offered residentially were high efficiency toilets, clothes washers, weather-based irrigation

controllers, and sprinkler nozzles. The commercial rebates range from toilets, restaurant equipment, cooling equipment, irrigation devices, and plumbing equipment.

The MWD rebate programs (residential and nonresidential) are funded in part through its member agencies' purchased water rates. We also offer to our commercial customers in-house rebates for commercial dishwashers, commercial clothes washers, and pool covers.

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

Residential and Commercial Landscape Transformation Rebate Program

In 2019, Ventura County District, through the partnership with Metropolitan Water District's (MWD's) SoCal Water Smart program, was able to reintroduce a rebate for transforming their customer's turf into an ecofriendly and sustainable landscape. The new program requires the retrofitting of irrigation, creating a rain harvesting element, and must also include use of California native plants and/or trees within the design. 15 customers have taken advantage of the program so far during the 2019 year for a total of 19,486 square feet of transformed landscape. The program is continuing into next year.



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

Residential Plumbing Retrofit

California American Water provides customers various water saving devices, efficiency measuring devices, and educational pamphlets, including showerheads, faucet aerators (kitchen and bathroom), toilet leak detection tablets, toilet flappers, garden hose spray nozzles and automatic hose shutoff timers, soil probes, drip gauges, and more. 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 2019:

Table 5. Ventura County District: Residential Plumbing Retrofit Detail

Table 5. Ventura County District: Residential Plumbing Retrofit- Detail							
Name of measure, as listed in Decision or Settlement	# of units bought	\$ per unit, activity, etc.	Total \$ spent 2019	Estimated water savings per unit/year (AF)	Unit lifespan	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Showerheads (1.5 gpm)	400	\$4.53		0.012	5	4.60	23.00
Bathroom Faucet Aerators (1.0gpm)	300	\$0.54		0.028	5	8.39	41.93
Kitchen Faucet Aerators (1.5gpm)	0	\$1.75		0.017	5	0	0
Toilet Flappers	0	\$1.88		0.005	5	0	0
Tank banks	0	\$1.25		unknown	5	unknown	unknown
Drip Gauge	0	\$0.28		unknown	5	unknown	unknown
Leak Detection tablets	2000	\$0.14		0.001	5	1.40	7.00
Leak Detection kits	300	\$0.70		0.001	5	0.21	1.05
Hose Timers	162	\$7.88		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	222	\$3.88		unknown	5	unknown	unknown
Soil Probe	144	\$2.23		unknown	5	unknown	unknown
	3,528		\$4,253			14.60	72.98

Low Income Water/Energy Direct Install

California American Water's Los Angeles and Ventura districts partnered with Sempra Energy (Southern California Gas Company) for an Inter-Utility Agreement referred to as the Resource Savings Program. SoCalGas offers no-cost energy savings measures for its income qualifying residential customers pursuant to its Energy Savings Assistance Program (ESA Program). California American Water offers low or no-cost water efficiency measures and incentives, including rebates, for its qualifying residential customers pursuant to its water conservation program. Measures that the customers may qualify for include clothes washers, faucet aerators (kitchen & bath), low flow showerheads, thermostatic shower valves, and thermostatic tub spouts. Collectively, the Resource Savings Program has assisted customers in the Ventura County District to reduce their water and energy usage. The program is expected to be continuing into the 2020 year.

The water/energy direct install program was funded out of the conservation surcharge one-way balancing account.

CII & Large Landscape Audits

In 2019, the Ventura County District conducted a program to survey the Conejo Valley Unified School District's schools serviced in its area to assess the needs and the requirements to provide for a direct install program of water bottle refill stations at 9 of the schools. These water bottle fill stations allow for teaching the school age students the need to not only conserve water, but to lessen our carbon footprint of plastics in landfills. The amount of water saved from not having to create disposable water bottles is not easily quantifiable in numbers, but rather in environmental impacts. In the program each school was assessed, the existing station removed, the new station installed, and training for teachers was given. The water bottle fill stations are fixed with a counter system that allows the school to see how many bottles have been saved from ending up in landfills. They also have signage on their face to show they were received from California American Water, so that the student, parents, and teachers can know we all share in our concern for creating a more earth friendly environment.

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

CII & Landscape Upgrade Grant Program

California American Water's Ventura County District offers a successful landscape grant program to reduce the water demand of municipal properties by changing landscaping and upgrading irrigation systems at high traffic public demonstration sites. This grant program focuses on replacing turf on city properties and schools with a sustainable design using 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 2019.

The award was granted to the Conejo Valley Unified School District for a turf replacement and upgrade to its Walnut Elementary School in the city of Thousand Oaks. The areas of turf between classrooms were removed and converted to 3 outdoor learning areas incorporating colorful, low water using plants and shade trees with seating areas to accommodate 25 students and 1 teacher. The non-essential turf along the parking lot was replaced with low water use shrubs and replacement trees. The turf at the corner near the main entrance was also removed to allow for a school monument sign and fencing to secure the school children from heavy traffic. Lastly turf in the play areas was removed to install a running track traversing the perimeter of the school property, with distance markers to encourage greater physical education and training. In total 7,165 square feet of irrigated landscape and 5,988 square feet of turf were replaced with low water using areas of improvement and learning.



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 2019 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 2019	# 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	\$68,735	n/a	n/a	n/a	n/a
Public Information programs	Advertising, PSAs, Community Events	\$20,000	110	n/a	\$21,217	n/a	n/a	n/a	n/a
School Education programs	Resource Action Programs/National Theater For Children	\$18,333	10	n/a	\$21,438	n/a	n/a	n/a	n/a
Residential Water Audits	Residential Audits (in-house and vendor)	\$8,333	160	Approx. \$175	\$24,536	0.0400	5	6.40	32.00
Leak Detection Pilot Study	Leak Detection Device Rebate	\$0	100	0	\$17,500	n/a	n/a	n/a	n/a
Low Flow Fixtures (See Table 7)	Conservation Devices	\$4,000	5,350	varies	\$3,164	varies	5	16.03	80.15
Residential Rebates	HECW	\$0	34	varies	(MWD)	0.1075	10	3.66	36.55
Residential Rebates	HEDW	\$0	0	\$75	\$0	n/a	n/a	n/a	n/a
Residential Rebates	ULFT	\$0	0	\$40	\$0	0.0246	20	n/a	n/a
Residential Rebates	Rain Barrel	\$0	3	\$35	(MWD)	n/a	n/a	n/a	n/a
Residential Rebates	Turf Removal	\$0	5435 sqft	\$2 per sqft	(MWD)	0.00013/sq ft	10	0.71	7.07
Low Income Water/Energy Direct Install	Inter-Utility Resource Savings Program w/ SemperEnergy	\$22,667	1	varies	\$688	0.0246	20	0.04	0.85
Landscape Upgrade Grant Program	Public Landscape Retrofit	\$0	0	n/a	\$0	n/a	n/a	n/a	n/a
CII and Large Landscape Conservation (Audits)	CII & LL Audits	\$33,000	15	varies	\$18,328	0.6600	5	9.90	49.50
Non-residential Rebates	Various	\$2,500	0	varies	\$0	0	0	0	0
Memberships	CUWCC/ CALWEP	\$0	n/a	n/a	\$5,071	n/a	n/a	n/a	n/a
Total		\$177,629			\$180,678			36.73	206.12

Conservation Coordinator (Staffing)

In 2019, California American Water's Los Angeles County District, funded one full-time Conservation Representative position. The conservation representative manages customer consumption concerns through conducting residential water surveys. This representative works with the administration in creating an innovative conservation program detailed for the specific needs of the district. This position fulfills these needs by responding to customer inquiries, conducting conservation patrols, staffing public outreach conservation events and classes, 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.

Public Information Program

The Los Angeles County District's Public Information Program comprises of sponsoring community events, attending public meetings, promoting customer outreach campaigns, providing notifications through bill text messages and inserts, and expanding our social media presence and email communications. The overall objective of the Public Information Program is to promote water use efficiency and conservation programs to all our Los Angeles County District customers.

California American Water hosted a company booth at 14 Los Angeles area community events in 2019, including the City of Rosemead Public Works Day, San Marino Chamber of Commerce Evening at the Huntington, City of Duarte Green Home Awards, City of Duarte Concerts in the Park, City of Bradbury Night Out, and City of San Marino National Night Out. The Los Angeles County District also sponsored a booth at the Upper San Gabriel Valley Municipal Water District's "WaterFest 2019", the largest community event of the year with 1000's of attendees being educated and entertained while promoting specific conservation programs to our customers.



Customers in the Los Angeles County District received 26 bill inserts, 12 customer emails, and 24 direct mailings, five print ads were placed in local news outlets, and 26 other communication methods were offered to reach out to customers in 2019. Our bill text messages, bill inserts, and customer emails included information on the BeWaterWise/SoCalWatersmart Rebate Programs, upcoming community events, partner agency updates, and general water-use efficiency tips. Messaging also reminded customers of the permanent water use restrictions and State mandates. Working in conjunction with the External Affairs team, conservation outreach and education continues to be expanded online, and, on the company's social media platforms.

The Los Angeles County District Conservation Department hosts informational and educational classes to residents within our service districts. Classes are offered through California American Water directly, or in partnership with our Member Agencies. Classes include topics such as “Fix a Leak” and “Landscape Transformation and Design”. Classes are presented by experts from such organizations as Green Media Creations, Inc. While customers engage in hands-on demonstrations, they are also provided with class related items, literature, and resources, as well as rebate and incentive information. Average class attendance ranges from a low of 53 participants to a high of 74 attendees.



Beginning September 2019, the Los Angeles County District supported West Basin Municipal Water District with the promotion of their increased incentive to the Metropolitan Water District’s Landscape Transformation Program. No costs were incurred to promote this program as California American Water bills include for bill messaging without the additional cost of a bill insert. West Basin reported a slight increase in call inquiries, however, no new rebate payments through EGIA/ SoCalWaterSmart were reported for the last 4 months of 2019. This messaging continues into 2020.

The Los Angeles County District Conservation Department collaborated with the Operations Department to develop a means to continue to improve our customer interactions. We designed a Field Service Representative (FSR) bag to address on-the-spot customer concerns, questions, and general inquiries at the time of a Field Service appointment. The bags give the FSR the opportunity to immediately provide minor leak repair devices such as toilet flappers and toilet tablets, and, to provide educational information on current rebates, giveaways, upcoming customer class schedules and incentives. This program has been very well received by customers. Expenses for the conservation devices and materials are included in the Residential Plumbing Retrofit section of this report.

The Los Angeles County District’s Conservation Department is also heavily involved in community volunteer and support opportunities. In 2019, the Conservation Department assisted External Affairs with “Operation Gobble” which distributed more than 800 turkeys and meals to families in need during the Thanksgiving/ Holiday season. The Los Angeles County District also partnered with the City of Rosemead to collect new, unwrapped toys for their annual Christmas Holiday Drive for the city’s underprivileged children.



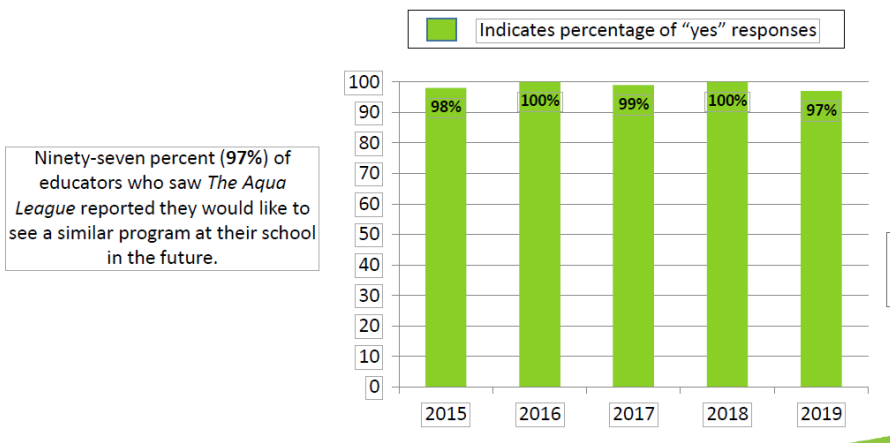
The Public Information Program outreach and events are funded through California American Water’s conservation surcharge, as well as through general rates collection as part of the operations budget. These expenses, through the conservation surcharge, include educational materials, displays and informative giveaways, conservation related bill inserts and mailers, and special outreach letters to customers related to water conservation. 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.

School Education Program

California American Water’s Los Angeles County District contracts with two educational providers to include a conservation addendum to our local school districts class schedules. The Los Angeles County District partners with The National Theatre for Children to provide an entertaining, educational curriculum and performances of “*The Aqua League*” to elementary school children for the 2019 school year. A total of 5 schools participated in the program, including 849 students within the Los Angeles Service District.

Teacher Evaluation Summary: In order to evaluate *The Aqua League*, teachers rated elements of the program on a scale of 1-7. They gave the overall educational value a 6.18, and 97% reported they would like to see California American Water continue to offer this program to their school.

TEACHERS WANTING THE PROGRAM TO CONTINUE



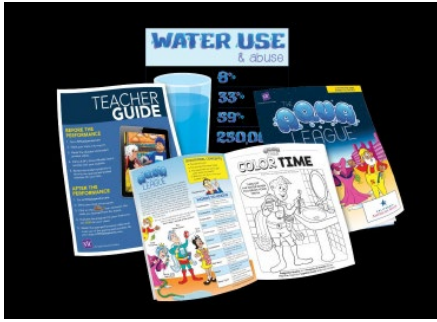
“Students were engaged and were able to participate in a meaningful discussion about what they learned!”
 Helen M., 1st Grade Teacher, 54th Street Elementary School, Los Angeles, CA

"I think this is a wonderful program for Kindergarten to 4th grade."

Dona K., 6th Grade Teacher, SS Felicitas & Perpetua School, San Marino, CA

As part of *The Aqua League* curriculum, each school receives:

- Student playbooks with classroom and take-home exercises related to *The Aqua League*
- 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
- A 25-minute live performance on water conservation



California American Water continues to partner with SoCalGas, A Sempra Energy Company, to provide school educational curriculums through Resource Action Programs ("RAP") "*LivingWise*" Program. In 2019, approximately 473 students and 12 Teachers for a total of 485 participants were reached through the RAP "*LivingWise*" Program. Participants received as part of the program, interactive, hands-on conservation education, targeting elementary school children, expert-designed lesson plans with easy-to-install energy efficiency and water conservation products, and are provided with app-based educational games and online education options.

- "Participants and their parents/guardians realize actual water and energy savings within their home, benefitting two generations."
- 80% of participating teachers indicated they would conduct the program again given the opportunity.
- 100% of participating teachers indicated they would recommend the program to their colleagues



The school education program is funded through the conservation surcharge one-way balancing account.

Residential Water Audits

California American Water's Los Angeles County District completed a new high of 209 residential water surveys in 2019. Surveys were performed by both the in-house conservation staff and through our two contracted external vendors.

The outsourced surveys were conducted by WaterWise Consulting, Inc., for the majority of our residential water audits, while Blue WatchDog Conservation, Inc. is used for most of our Commercial and Large Landscape Audits. All residential WaterWise audits include a detailed assessment of indoor and outdoor usage, an individualized water budget, recommended monthly irrigation schedule, and a check of the current irrigation controller settings. Customers are also provided with a conservation package with relevant water saving devices, rebate information and application forms, and educational material.



Our in-house conservation representative performed 49 Residential audits to help customers with water-use efficiency and conservation education. Customers received a comprehensive property survey to identify areas to improve efficiency, offer rebate information to upgrade outdated appliances, and provide immediate water saving devices such as faucet aerators, positive pressure hose nozzles, and low flow showerheads. Customers with high bill or leak concerns were provided a comprehensive "Water-Wise House Call" for a more in-depth evaluation to identify the possible source of concern. Testing of toilets, irrigation systems, and pools; confirmation of irrigation controller settings, current flow rates of existing devices, and if warranted, data logs and limited leak detection equipment would be used to help isolate the source.

Water audit data and information is collected and maintained in a catalogue to allow for charting of potential new water saving opportunities, and to maintain a district saturation profile for the most common high-consumption water using devices and appliances.

The residential water audit program is funded through 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.

Residential Plumbing Retrofit (Low Flow Fixtures)

California American Water's Los Angeles County District provides customers with low-flow, high-efficient water saving devices including showerheads, 1.5 and 1 gallon per minute faucet aerators (kitchen and bathroom), toilet leak detection tablets and take-home Leak Detection Kits, positive-pressure garden hose spray nozzles, soil moisture probes, and educational pamphlets and resources. These devices and informative materials are intended to assist residential customers improve their indoor water use efficiency, help identify leaks; and prevent water waste while reducing overall consumption for outdoor water usage for car washing and irrigation. The devices and materials are

provided to customers upon request at community events and meetings, office walk-ins, customer call-ins, our FSR bags, and through the Water-Wise home water survey program.

The Residential Plumbing Retrofit Program is funded through the conservation surcharge one-way balancing account.

The following devices were purchased or provided to customers in 2019:

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

Table 7. Los Angeles County District: Residential Plumbing Retrofit- Detail							
Name of measure, as listed in Decision or Settlement	# of units bought	\$ per unit, activity, etc.	Total \$ spent 2019	Estimated water savings per unit/year (AF)	Unit lifespan	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Showerheads	150	\$4.98		0.012	5	1.73	8.63
Hand-held Showerheads	50	\$15.98		0.006	5	1.24	6.20
Faucet Aerators	300	\$0.54		0.028	5	8.39	41.93
Kitchen Aerators	0	\$1.75		0.017	5	-	-
Toilet Flappers	400	\$1.88		0.005	5	1.88	9.40
Tank Banks	0	\$1.25		unknown	5	unknown	unknown
Drip Gauge	0	\$0.28		unknown	5	unknown	unknown
Leak Detection Tablets	4000	\$0.14		0.001	5	2.80	14.00
Hose Timers	0	\$7.88		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 Sray Nozzle	450	\$3.88		unknown	5	unknown	unknown
Soil Probe	0	\$2.23		unknown	5	unknown	unknown
	5,350		\$ 4686			16.03	80.15

Residential Rebates (BeWaterWise/SoCal Water Smart)

For the Los Angeles County District, all residential rebates in 2019 were provided to customers through The Metropolitan Water District's BeWaterWise/ SoCalWaterSmart rebate program. The Metropolitan Water District's rebate programs (residential and nonresidential) are funded by MWD through its member agencies' purchased water rates.

Low Income Water/Energy Direct Install

California American Water's Los Angeles and Ventura County districts partnered with Sempra Energy (Southern California Gas Company) for an Inter-Utility Agreement referred to as the Resource Savings Program. SoCalGas offers no-cost energy savings measures for its income qualifying residential customers pursuant to its Energy Savings Assistance Program (ESA Program). California American Water offers low or no-cost water efficiency measures and incentives, including rebates, for its qualifying residential customers pursuant to its water conservation program. Measures that the customers may qualify for include clothes washers, faucet aerators (kitchen & bath), low flow showerheads, thermostatic shower valves, and thermostatic tub spouts. Collectively, the Resource Savings Program

has assisted 145 customers in the Los Angeles and Ventura County Districts to reduce their water and energy usage. This partnership program continues into 2020.

In 2019, California American Water's Los Angeles County District provided the Tiki Atoll apartment complex, which is located within a section of the Los Angeles County District's disadvantage community with 14 High Efficiency Toilets to upgrade the current outdated high consumption toilets. The property continues to show improvement in monthly water consumption.



The water/energy direct install program was funded out of the conservation surcharge one-way balancing account.

CII & Large Landscape Audits

California American Water's Los Angeles County District contracts with WaterWise Consulting, Inc, and Blue WatchDog Conservation, Inc. to offer complimentary Commercial, Industrial & Institutional (CII) and Large Landscape ("LL") audits to non-residential customers. Blue WatchDog Conservation's staff are experts in commercial property water auditing, and performed 13 CII audits and 1 Large Landscape water audit for our CII customers with high usage concerns. WaterWise Consulting, Inc is used as our primary residential water audit vendor. The in-house Conservation Representative performed 1 CII audit to help customers with water-use efficiency and conservation education.

CII audits include a detailed onsite audit, evaluation of the facility and/or surrounding landscape, irrigation and water use patterns, indoor water use history, and a 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. All surveys include a visual inspection for leaks, breaks and inefficiencies to address any potential problems or improve effectiveness. The CII & LL water audit program is funded through the conservation surcharge one-way balancing account.

Non-residential Rebates

For the Los Angeles County District, all non-residential and commercial rebates in 2019 were provided to customers through our in-house rebate program and through The Metropolitan Water District's BeWaterWise/ SoCalWaterSmart rebate program. California American Water's non-residential rebates include high-efficiency clothes washers, dishwashers and pool covers and our program is funded through the conservation surcharge one-way balancing account. The Metropolitan Water District's rebate programs (residential and nonresidential) are funded by MWD through its member agencies' purchased water rates.

Water Bottle Filling Station Program

In 2019, California American Water's Los Angeles County District partnered with Upper San Gabriel Valley Municipal Water District to provide the Duarte School of the Arts with two (2) water bottle filling stations. This partnership provided every student and teacher with a co-branded California American Water and Upper San Gabriel Valley

Municipal Water District logo stainless steel water bottle to replace single use containers and bottled water on the campus. The school committed to removing bottled water from vending machines and encouraged students, staff, faculty and administrators to use the filling stations, which provides clean, safe and reliable water from California American Water’s Duarte water system. The newly installed water stations also include a running counter that indicates the number of plastic water bottles that are saved from the landfill when someone fills a re-usable water bottle.

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



Memberships

California American Water continues its partnership with The California Water Efficiency Partnership (formerly the California Urban Water Conservation Council; now CALWEP). This partnership is ongoing and provides vital information, tools, resources, and contacts by means of updates and data-sharing for California’s Water utilities and other member organizations.

Membership program is funded through the conservation surcharge one-way balancing account.

Monterey County District

The programs funded by California American Water's conservation surcharge during 2019 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 2019	# 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	workshops/ training	\$ 6,667		N/A	\$ 3,263	n/a	n/a	n/a	n/a
Public Information programs	Advertising, PSAs, Community Events	\$100,000		n/a	\$ 85,468	n/a	n/a	n/a	n/a
School Education programs	Zun Zun Program	\$ 5,000	8	n/a	\$ 7,395	n/a	n/a	n/a	n/a
Residential Water Audits	Residential audits (in-house and vendor)	\$ 8,333	606	Approx. \$250	\$ 10,477	0.04	5	24.24	121.2
Low Flow Fixtures (see table 9)	Conservation devices	\$ 14,500	20,876	varies	\$ 36,534	varies	5	23.1	115
Rebates	Residential and non-Res	\$533,333	1023	varies	\$405,443	varies	10	15.7	156.5
Soil Moisture and Rain Sensor Install Program	direct install	\$ 8,333	39	varies	\$ 17,683	varies			
Low Income Water/Energy Direct Install	direct install	\$ 25,000	115	varies	\$ 85,186	0.0246	20	2.8	56.6
Landscape Upgrade Grant Program	Public landscape retrofit	\$ 15,000	1	n/a	\$ 2,628			0	0
CII and Large Landscape Conservation (Audits)	CII & LL Audits	\$ 50,000	6	varies	\$ 5,953	0.66	5	3.96	19.8
Sustainable Landscape Programs		\$ -	0	n/a	\$ -	n/a	n/a	n/a	n/a
Total		\$766,166			\$660,030			69.7	469.4

Conservation Coordinator (Staffing)

In 2019, California American Water's Monterey County District conservation staff was compensated as part of regular operating expenses and not through the conservation surcharge. Expenses shown are for training expenses.

Public Information Program

Email Campaigns and Social Media

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. Email Blasts and Social Media

California American Water continued encouraging customers to maintain high levels of conservation throughout the year and provided educational emails on what conservation resources and activities customers can undertake.

Three focused campaigns took place in 2019 -- surrounding Earth Day, summer conservation and fall conservation. The materials shared water saving tips for indoor and outdoor use as well as promoting available rebates, water wise house calls and other offerings. These themes were echoed through concurrent radio advertising and accompanying handouts were created to share at the front office and at community events.

Additional online ads were employed to encourage customers to turn off their sprinklers at the start of the rainy season. This message was additionally promoted through newspaper advertising, direct mail and an email blast.

Mailers/Bill Inserts

Two postcards were sent to customers in 2019 which focused specifically on conservation, the first advising customers to call California American Water’s conservation department to schedule a free yearly season sprinkler check-up at the start of the irrigation season; and the second promoting the company’s rain sensor program. Three bill inserts were sent themed around Earth Day, summer conservation tips and fall conservation tips. Each piece contained information on rebates, water conservation tips and further resources available from California American Water and the Monterey Peninsula Water Management District.



At California American Water, caring for the environment is a top priority for us as a water provider. We are dedicated to environmental stewardship, always looking for more ways to use our most precious resource wisely.

Some examples of what California American Water is doing to protect our environment include:

- Volunteering in river, beach and park clean ups year round.
- Investing almost \$100 million this year to improve infrastructure, which will reduce leaks, improve firefighting ability and address contaminant issues.
- Participating in the sustainable management of groundwater basins.
- Offering conservation programs to help customers, which has resulted in an almost 20% reduction in water use.

Our dedication to environmental stewardship extends beyond the quality of your water, into the heart of who we are – your local water company.



HELP THE ENVIRONMENT BY CONSERVING WATER
You can also do your part in protecting the environment by saving water with these easy water-saving tips.

INSIDE YOUR HOME

- Check for and repair leaky faucets, pipes, toilets and appliances.
- Take shorter showers.
- Don't use your toilet as a trash can.
- Wash full loads in the dishwasher and washing machine.

OUTSIDE YOUR HOME


- Adjust irrigation so only your garden is watered, not the street or sidewalk.
- Turn off sprinklers when it rains.
- Inspect irrigation for leaks and make repairs immediately.
- Use low water-use plants in your garden and group them according to similar watering needs.
- Water thoroughly, but infrequently, applying only the amount of water your soil can absorb.

COMMITTED TO OUR CUSTOMERS

At California American Water, our customers are our number one priority. From maintaining and investing in water infrastructure, to ensuring you have reliable and high-quality water service, to providing helpful water- and money-saving tips, we work hard to keep life flowing.



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FROM THE TAP
SUMMER 2019

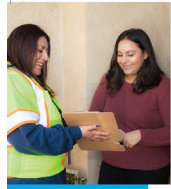
COMMITTED TO OUR CUSTOMERS

At California American Water, our customers are our number one priority. From maintaining and investing in water infrastructure, to ensuring you have reliable and high-quality water service, and money-saving tips, we work hard to keep life flowing.

OUTDOOR CONSERVATION TIPS & TOOLS

Summer brings warmer weather, but also increased outdoor water use. Here are a few tips to help you reduce your use and lower your water bill this summer.

- **Create a basin around plants.** Build small mounds with the soil to funnel water directly to the roots and collect rainwater during storms.
- **Choose the right watering tool.** Wands and soaker hoses are more efficient and waste less water than a standard garden hose.
- **Upgrade watering equipment.** Invest in a smart controller and micro-irrigation system, which will limit runoff.
- **Time your watering.** Water your landscape in the early morning or evening to reduce evaporation.
- **Plant appropriately for your local climate.** Check with local nurseries for non-invasive, drought-tolerant plants.
- **Break up mulch using a rake.** While a layer of mulch helps soil retain moisture, it can crust over and make it hard for water to reach plant roots.
- **Reuse your water.** After your pet is finished drinking, use the fresh water for your trees or shrubs.
- **Look out for signs of overwatering.** If leaves turn lighter shades of green or yellow, young shoots wilt, or there is algae or fungi growing, cut your watering.



OPEN THE DOOR TO SAVINGS: FREE WATER WISE HOUSE CALLS

California American Water customers are eligible for FREE Water Wise House Calls. A conservation specialist will visit your home to evaluate current water use and create a personalized program to help you save water indoors and out.

YOUR WATER WISE HOUSE CALL WILL INCLUDE:

- **Leak Detection:** We will teach you how to identify leaks inside and out. Leaks are not only big water wasters – they can also be very costly.
- **Reading Your Water Meter:** We will show you how to read your water meter. By monitoring your meter regularly, you can catch and fix leaks quickly.
- **Free Water-Saving Devices:** We will check showerhead and faucet flow rates as well as toilet flush volumes. Free low-flow showerheads, faucet aerators, hose nozzles and moisture meters will be provided.
- **Schedules and Tips:** We will provide you with an appropriate schedule for your landscape irrigation system and share water saving tips customized to your landscaping.
- **Rebate Applications:** We will provide you with rebate applications (where applicable) for the purchase of qualifying low water use devices and appliances.

Call your local district office to schedule an appointment with a Conservation Specialist.

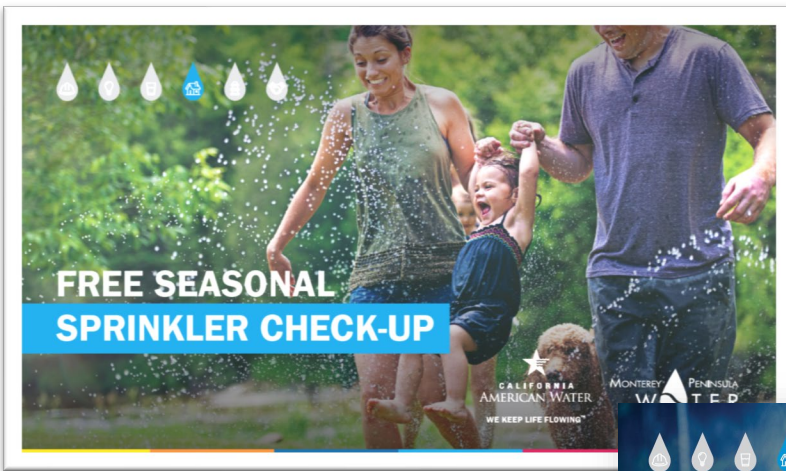
LOS ANGELES COUNTY DISTRICT: (626) 614-2536
 MONTEREY COUNTY DISTRICT: (831) 646-3205, ext. 3
 SACRAMENTO DISTRICT: (916) 568-4201
 SAN DIEGO COUNTY DISTRICT: (619) 446-6707
 SONOMA COUNTY DISTRICT: (707) 542-8329, ext. 0
 VENTURA COUNTY DISTRICT: (805) 454-0909

KEEP YOUR POOL AND SPA IN TOP-NOTCH CONDITION

- **USE A POOL COVER.** You'll reduce your pool water evaporation by 30% - 50%.
- **TURN DOWN THE TEMPERATURE.** Lowering or turning off the heater helps reduce water evaporation.
- **FIND LEAKS AND STOP THEM.** Unchecked leaks waste water and cause spikes in water bills.
- **LIMIT REFILLING.** One pool filling can last decades. A spa with high-quality water purification technology can go four months or more without changing the water.

CALIFORNIA AMERICAN WATER
 (888) 237-3333 • www.californiaamwater.com

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 WE KEEP LIFE FLOWING™



FREE SEASONAL SPRINKLER CHECK-UP

CALIFORNIA AMERICAN WATER
 MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 WE KEEP LIFE FLOWING™



IT'S RAINING. DID YOU TURN OFF YOUR SPRINKLERS? NOT SURE? WE CAN HELP!

California American Water offers FREE rain sensors and installation for qualifying customers.

CALIFORNIA AMERICAN WATER
 WE KEEP LIFE FLOWING™

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

School Education Program

In 2019, 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 2019, Zun Zun provided fifteen 45-minute performances within California American Water’s service territory. The performances reached a total of 2,762 students and covered topics such as the water cycle, watershed, indoor conservation and conservation tips, including information about fixing leaks. In addition, we continued to sponsor Zun Zun to perform at the Monterey County Fair which it is estimated that 1,250 children, teenagers and adults attended the event.

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.

School Education Program – Zun Zun Performance

Date	School	Performances	Number of Students	City
1-22-19	San Carlos School	2	283	Monterey
1-22-19	Monte Vista School	2	314	Monterey
3-1-19	Del Rey Woods School	3	459	Monterey
3-4-19	Marshall School	1	528	Seaside
8-31-19	Monterey County Fair	2	1,250	Monterey
9-3-19	Highland School	2	500	Seaside
9-26-19	Ord Terrace School	2	500	Seaside
11-2-19	Monterey Bay Christian	1	178	Seaside

Residential Water Audits

California American Water continued its Water Wise House Call Program in 2019 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 481 Water Wise House Calls in 2019 and 125 irrigation sprinkler checks at the beginning of the spring season. Residential customers are sent a postcard at the beginning of the irrigation season offering a free sprinkler check up. The program is becoming more popular each year where customers' 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, offering the service to customers who visited the office to make payments and by targeting customers who had received high water bills and had been billed in the higher tiers of California American Water's five-tiered rate design.

During the Water Wise House Calls and 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

Water softener issues

Misaligned and broken sprinkler heads

Customer service line leaks

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

The effectiveness of the Water Wise House Call program was measured through the evaluation of water savings, as well as by inclusion of an evaluation survey form along with a pre-stamped envelope in the customer report package. Many evaluation surveys were returned from the Water Wise House Call service showed high customer appreciation.

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. 695 Data Log reports were evaluated by Conservation staff in Monterey in 2019.

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 2019, California American Water distributed the following conservation devices to customers:

Table 9. Monterey County District: Plumbing Retrofit Detail

Table 9. Monterey County District: Plumbing Retrofit Detail – California American Water							
Name of measure, as listed in Decision or Settlement	# of units bought	\$ per unit, activity, etc.	Total \$ spent 2019	Estimated water savings per unit/year (AF)	Unit lifespan	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Showerheads	1747	\$4.72		0.0062	5	10.8314	54.157
Faucet Aerators	4005	\$1.75		0.0017	5	6.8085	34.0425
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	7180	\$0.06		0.0007	5	5.026	25.13
Dish Squeegees	2092	\$1.15		unknown	5	unknown	unknown
Shower Timer	1380	\$1.69		unknown		unknown	unknown
HE Pre-Rinse Spray Valve	1	\$23.49		0.392	5	0.39	1.95
Shower Pause Valve	0	\$1.94		unknown	-	unknown	unknown
Hose spray nozzle	2625	\$3.37		unknown	5	unknown	unknown
Soil Probe	1846	\$2.50		unknown	5	unknown	unknown
	20,876		\$36,534			23.06	115.28

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

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 2019, a total of \$337,090 was provided as Conservation rebates for California American Water customers in the Monterey County District.

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

Rebate Type	Rebate Paid	Number of Devices	Estimated AFA	Gallons Saved (approximate)
High Efficiency Toilet (HET)	\$27,506.99	251	1.255	408,943
Ultra HET	\$7,450.00	39	0.39	127,082
Toilet Flapper	\$29.00	2	0.0000	0
High Efficiency Dishwasher	\$22,625.00	177	0.531	173,207
High Efficiency Clothes Washer-Res	\$218,338.19	437	7.0357	2.3 Million
High Efficiency Clothes Washer-Com	\$35,282.70	71	6.39	2.1 Million
Instant Access Hot Water System	\$2,178.10	10	0.05	16,293
On Demand Systems	\$300.00	3	0	0
Zero Use Urinals	\$0.00	0	0	0
Pint Urinals	\$0.00	0	0	0
Smart Controllers	\$2,785.00	24	Varies	0
Rotating Sprinkler Nozzles	\$348.00	87	Varies	0
Moisture Sensors	\$25.00	1	Varies	0
Lawn Removal and Replacement	\$3,584.00	2	0.0000	0
Graywater	\$0.00	0	Varies	0
Cisterns	\$13,837.50	11	Varies	0
Hose bibs & Irrigation Systems	\$3,173.00	2	Varies	0
Total	\$337,089.48	1023	15.65	5.1 Million

WBIC, Rain Sensor Install Program and Soil Moisture Sensor

In 2019, California American Water continued its Rain Sensor Installation Program through its contractor WaterWise Consulting Inc. A total of 523 rain sensors have been installed since the program began in 2011 for residential and non-residential customers. In 2019, a total of 39 rain sensors were installed for residential customers.



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 home water audit and received a brief water conservation education at their home. In 2019, a total of 115 low income households in Monterey were retrofitted through this program.

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.

Water Filling Station

The Monterey County District of California American Water installed a water filling station for the Pacific Grove Middle School in 2019. The benefit of installing the water filling station are:

- Reduces the amount of water and other resources used in production and transportation of bottled water.
- Decreases the amount of plastic bottle debris that makes its way into our local watersheds and waterways, degrading water quality and damaging local habitat.
- Reduces plastic waste that ends up in landfills.
- Highlights/promotes the quality and safety of drinking tap water.
- Raises awareness about sustainability of natural resources and protecting our local water resources.



Impact of Single-Use Plastic Bottles

The resources required to produce the plastic bottles and to deliver filled bottles to consumers, including both energy and water, are substantial. The Pacific Institute determined that the production of water bottles for American water bottle consumption in 2006 alone:

- Took 3 liters of water to produce 1 liter of bottled water.
- Required more than 17 million barrels of oil, not including the energy for transportation.
- Produced more than 2.5 million tons of carbon dioxide.

Much of the water sold is in polyethylene terephthalate (PET) bottles which is produced from fossil fuels. More energy is needed to also fill the bottles, transport, cool, and recover, recycle, or throw away empty bottles. The Pacific Institute estimates that the total amount of energy embedded in our use of bottled water can be as high as the equivalent of filling a plastic bottle one quarter full with oil¹.



¹ <https://pacinst.org/publication/bottled-water-and-energy-a-fact-sheet/>

Community Events and Workshops

California American Water participated in many conservation events throughout 2019, including several events with the Monterey Peninsula Water Management District. Events included, the farmer's markets, the Good Old Days in Pacific Grove, Earth days, Cutting day with the City of Monterey and several landscape irrigation classes with the MPWMD. These events provide the company an opportunity to reach out to the community and promote water conservation, establish relationships with our customers on a face to face basis, and lets them know their water purveyor cares about the water issues that affects their daily lives. During these events, customers are offered and educated on the most up to date water saving devices, offered free water wise house calls, information on rebates, and any concerns they may have.



Landscape Irrigation Workshop

Cal-Am Monterey District Office
511 Forest Lodge Road, Suite 100 Pacific Grove

Thursday, November 14th - 8:30 am to 12:30pm

- Smart Controller Technology, Irrigation Scheduling
- Low Volume Irrigation Principles, Design and Installation
- Model Water Efficient Landscape Ordinance - What you need to know

Participants will learn about the latest in Smart Controller Technology, including how to program and create an irrigation schedule that utilizes weather data to maximize water use efficiency. Attendees will also be exposed to the principles, design and installation of low volume irrigation systems. The workshop will conclude with a review with an overview of the requirements of the State Model Water Efficient Landscape Ordinance that is affecting the way modern landscape and landscape irrigation systems are being designed and installed.

Instructor - Bob Coats Certified Water Conservation Manager - Pacific Water Management



Cost - Free, space is limited to the first 35 Registrants -
Call California American Water at (831) 646-3205 Option 3 to register today!

CEU's - 4.0 hours - Irrigation Association

Sponsors - California American Water - Monterey Peninsula Water Management District

Additional Information - Contact Bob Coats at bcoats@calamwater.com - 831-235-2576

Location: 511 Forest Lodge Road, Suite 100 Pacific Grove
(Behind the Rite Aid at the Country Club Gate Shopping Center)






FALL WATER-WISE WORKSHOPS

Rainwater Harvesting & Greywater Systems
 10am-12pm 1pm-3pm
 October 19, 2019
 5 Harris Court • Building G • Monterey




These FREE workshop includes information on:

- Importance of Harvesting
- Storage Options
- Installation Process
- Rebate Information
- Code Requirements
- Greywater Compatible Products & Plants
- Parts Identification & Installation
- Mulch Basin Construction
- System Design & Maintenance



The Event is FREE & Open to the Public. Lunch will be provided to attendees of both workshops
For more information contact Stephanie Kister at 831.658.5601 or skister@mpwmd.net
To register online visit montereywaterinfo.org/events

Sacramento District

The programs funded by California American Water’s conservation surcharge during 2019 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 2019	# of units / activities	\$ per unit, activity, etc.	Total \$ spent	Estimated water savings per unit/year	Unit lifespan (years)	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Conservation Staff	Conservation staffing	\$68,796	1 Rep	n/a	\$65,139	n/a	n/a	n/a	n/a
Public Information Programs	Advertising, PSAs, Community Events	\$46,667	14	n/a	\$21,805	n/a	n/a	n/a	n/a
School Education Programs	Resource Action Programs (Livingwise Prgm)	\$30,167	1200	n/a	\$41,035	n/a	n/a	n/a	n/a
Residential Water Audits	Residential Audits (In-house and Vendor)	\$20,000	230	Approx. \$250	\$41,539	0.0400	5	9.20	46.00
Low Flow Fixtures (see table 11)	Conservation Devices	\$8,334	3699	varies	\$10,699	varies	5	23.51	117.55
Low Income Water/Energy Direct Install	RHA/PGE Inter-Utility Direct Install Program	\$22,000	126	varies	\$51,037	0.0246	20	3.10	61.99
CII and Large Landscape Conservation (Audits)	CII & LL Audits (In House and Vendor)	\$76,668	21	varies	\$7,881	0.6600	5	13.86	69.30
Non-residential Rebates	Various	\$6,667	78	varies	\$11,822	0	0	0	0
Memberships	CUWCC/CALWEP	0	n/a	n/a	\$6,500	n/a	n/a	n/a	n/a
Memberships	Regional Water Authority	0	n/a	n/a	\$43,110	n/a	n/a	n/a	n/a
Total		\$279,299			\$300,567			49.67	294.84

Conservation Coordinator (Staffing)

In 2019, California American Water’s Sacramento District funded two full-time Conservation Representative positions. The conservation staff conducted residential water surveys, CII and Large Landscape Audits, meter data log retrieval, 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 application processing, and reaching out to customers to publicize all the programs available to them through company programs and collaborated joint partnership programs.

One conservation Representative position was funded out of the conservation surcharge one-way balancing account and the other is funded out of the operational budget.

Public Information Program



California American Water maintained a very active conservation program in 2019. The company supported several high-profile events in the local communities it serves. These activities include participating in the 2019 Magic Maker events put on by Rancho Cordova Community Council, Rancho Cordova's Kid's Day in the Park, iFest, and Rancho Cordova's State of the City event. Additionally, the company participated in Sacramento Creek Week's activities, which included organizing local, clean-up efforts. California American Water typically maintains customer service booths with conservation information and take-home items that include positive shut off hose nozzles, shower timers, low flow aerators, soil moisture meters, five-minute shower timers and other helpful conservation tools at these events. California American Water's conservation team continued with its popular conservation Water Wise House Call 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 waste and promote water savings. The company kept up a consistent outreach effort throughout 2019 by promoting common water efficiency messaging and branding to assist customer with water reduction. California American Water sent four billing inserts to customers related to conservation programs. The company continued its occasional radio sponsorships with topical conservation messaging. California American Water was also able to support the Sunrise Recreation and Park District with Movie Night in the Park, the Russian Cultural Center with their 2019 Yamarka Festival, the Sacramento Powerhouse Museum with the San Juan Education Foundation and other community events such as hands on irrigation garden workshops for the home gardener.

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 "RWA's Partnerships with water, wastewater, energy, storm water pollution control and other resource management entities are key features of the WEP". The program includes core activities such as public information, school education, marketing coordination, media buys and marketing (i.e.; TV and Radio ads), grant applications, technical training and technical assistance. The 2019 school outreach program continued with their successful "Water Spot Video Contest: this contest is for middle school and high school students with 14 Sacramento-area schools that provided the chance for the winning video to run at three movie theaters for one month. RWA received 116 entries in the 2019 Water Spots Video Contest. "The Water Spots winner generated 141,394 in theatre impressions and 38,215 impressions from the lobby TV screens" and awarded 4 students that included JUDGE'S CHOICE FIRST PLACE AND GRAND PRIZE, PEOPLE'S CHOICE, JUDGE'S CHOICE SECOND PLACE, JUDGE'S CHOICE THIRD PLACE, in addition to smaller prizes awarded to TOP SCORING VIDEO FROM EACH SCHOOL. California American Water student and teacher were awarded Judge's Choice Second place with their "Water Smarts: It All Goes Back To You" Video.

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 2019, approximately 1200 students were reached through the RAP program.

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

Residential Water Surveys

California American Water's Sacramento District performed 230 residential water surveys in 2019. 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 survey package with applicable water saving devices, (water and energy) three-year comparison usage chart, and educational material. All survey data and information are collected and maintained in a database to allow for easy tracking of water saving opportunities and to obtain a district saturation profile for high efficiency appliances, fixtures and other water saving devices.

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 performed by in-house staff similar to other districts wherever workload allows for such. California American Water provides different options for customers to report water waste concerns which can be sent directly to the company and staff (i.e., website, hotline). California American water follows up with each water waste report to help reduce water consumption in our districts. Customer education is a driving force to our program and each customer is offered the home water survey program with a focus on river friendly landscaping techniques and technology. Conservation staff from the Sacramento District has been handing out water efficiency information, providing irrigation tips, soil improvement tips, river friendly landscape conversion ideas, low flow devices for indoor and outdoor to assist customer with overall water reduction for their property.

Residential Plumbing Retrofit

California American Water provides customers various water saving devices including five-minute shower timers, showerheads, faucet aerators (kitchen and bathroom), toilet leak detection tablets, garden hose spray nozzles, soil moisture meter, educational pamphlets and a detailed plumber's guide book that is offered in Spanish and English. These devices and informative materials are designed to help residential customers upgrade their indoor water use fixtures, identify leaks, and improve outdoor water usage in their landscape. The devices and material are provided to customers upon request at community events and meetings, office walk-ins, customer call-ins, water waste patrols and during 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 2019:

Table 11. Sacramento District: Plumbing Retrofit Detail

Table 11. Sacramento District: Residential Plumbing Retrofit- Detail							
Name of measure, as listed in Decision or Settlement	# of units bought	\$ per unit, activity, etc.	Total \$ spent 2019	Estimated water savings per unit/year (AF)	Unit lifespan	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Showerheads 1.5 GPM	100	\$4.53		0.012	5	1.15	5.75
Bathroom Faucet Aerators (1.0 gpm)	500	\$0.54		0.028	5	13.98	69.88
Kitchen Faucet Aerators (1.5 gpm)	500	\$1.75		0.017	5	8.39	41.93
Toilet Flappers	0	\$1.88		0.005	5	0	0
Tank Banks	0	\$1.25		unknown	5	unknown	unknown
Drip Gauge	0	\$0.28		unknown	5	unknown	unknown
Leak Detection Tablets	0	\$0.14		0.001	5	0	0
Hose Timers	500	\$7.88		unknown	5	unknown	unknown
Shower Timer	135	\$1.69		unknown	-	unknown	unknown
Water Efficiency Measurer Bag	1000	\$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	620	\$3.88		unknown	5	unknown	unknown
Soil Probe	404	\$2.23		unknown	5	unknown	unknown
	3759		\$10,699.00			23.51	117.55

Low-Income Direct Installation Program

A Joint Water/Energy Low-Income Direct Installation Program continued in the Sacramento District in 2019. 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 County districts through 2019 and 2020 with a significant portion of participating customers living in disadvantaged communities. Sacramento had 126 customers assessed, each customer is provided with a basic outdoor assessment to identify leaks and water savings. The assessment includes a meter check, leak detection dye tablet test, installation of low flow devices such as aerators and showerheads, and installation of high efficiency toilet when needed, or replacement of toilet flappers.

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

Residential and Commercial Rebates (California American Water in-house rebates)

In the Sacramento County District, rebates for residential properties were discontinued in 2018 due to lower conservation budget funding and no additional funding was allotted in 2019. Commercial Rebates were still offered to non-residential customers. In 2019, California American Water processed 78 commercial High Efficiency Toilet rebates totaling \$11,822, with a main focus on apartment buildings in low income demographic areas.

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

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. Sacramento’s conservation team members are able to offer and conduct free CII and large landscape (“LL”) audits to non-residential customers. CII audits include a detailed onsite evaluation of the facility, water use patterns, meter data log retrieval, indoor water use measurements of fixtures, and a summary of recommendations specific to the property to help reduce water consumption. LL audits include a detailed outdoor assessment of irrigation equipment and flow rates of individual sprinkler zones, three-year usage comparison chart, and the creation of a site-specific water budget and irrigation schedule. In 2019 a total of 15 commercial audits and 6 large landscape audits were completed.

Larkfield District

The programs funded by California American Water’s conservation surcharge during 2019 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 2019	# 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	1	N/A	\$ 3,163	n/a	n/a	n/a	n/a
Public Information programs	Advertising, PSAs, Community Events	\$ 3,333	various	n/a	\$ 1,160	n/a	n/a	n/a	n/a
School Education programs	Resource Action Programs (Livingwise Prgrm) and National Theater for Children	\$ 633	various	n/a	\$ 436	n/a	n/a	n/a	n/a
Residential Water Audits	Residential audits (in-house and vendor)	\$ 767	26	Approx. \$250	\$ 812	0.04	5	1.04	5.2
Low Flow Fixtures (see table 13)	Conservation devices	\$ 1,500	1,276	varies	\$ 440	varies	5	1.1015	5.5075
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	direct install	\$ -	6	varies	\$ 506	0.0246	20	0.1476	2.952
Landscape Upgrade Grant Program	Public landscape retrofit	\$ -	0	n/a	\$ -			0	0
CII and Large Landscape Conservation (Audits)	CII & LL Audits	\$ 667	0	varies	\$ -	0.66	5	0	0
Memberships	CALWEP/AWE	\$ -	n/a	n/a	\$ 194	n/a	n/a	n/a	n/a
Total		\$ 15,233			\$ 6,711			2.289	13.6595

Conservation Coordinator (Staffing)

In 2019, California American Water's Larkfield District funded a part time conservation staff position towards the end of the year 2019 to mainly help out with administering conservation programs and promoting conservation practices with customers coming to the office and calling in.

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 2019 the community was still rebuilding damaged homes 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 further 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 community events such as the Mark West Chamber of Commerce Community Fair and the Community Soil Foundation Fund raiser. The company also attended Sonoma County Water Agency's water conservation coordinators meetings.

School Education Program

California American Water provided children water conservation education material to school teachers in Larkfield in 2019. The Company also participated in the AmeriCan's in Action Walk-a-Thon at Riebli Elementary School.

Residential Water Audits

California American Water's Larkfield District contracted with WaterWise Consulting, Inc 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 2019. A number of audits were also performed by in-house Operations staff in 2019.

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.

Residential and Commercial 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.

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 materials 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 2019:

Table 13. Larkfield District: Plumbing Retrofit Detail

Table 13. Larkfield District: Residential Plumbing Retrofit- Detail							
Name of measure, as listed in Decision or Settlement	# of units bought or distributed	\$ per unit, activity, etc.	Total \$ spent 2019	Estimated water savings per unit/year (AF)	Unit lifespan	Estimated Annual measure savings (AFY)	Estimated Lifetime measure savings (AF)
Showerheads	42	\$4.72		0.0062	5	0.2604	1.302
Faucet Aerators	36	\$1.75		0.0017	5	0.0612	0.306
Toilet Flappers	17	\$1.88		0.0047	5	0.0799	0.3995
Tank banks	0	\$1.25		unknown	5	unknown	unknown
Drip Gauge	0	\$0.28		unknown	5	unknown	unknown
Leak Detection tablets	1000	\$0.06		0.0007	5	0.7	3.5
Hose Timers	12	\$7.48		unknown	5	unknown	unknown
Shower Timer	66	\$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	61	\$3.37		unknown	5	unknown	unknown
Soil Probe	42	\$2.50		unknown	5	unknown	unknown
	1,276		\$440			1.1015	5.5075

CII & Large Landscape Audits

California American Water’s Larkfield District contracted with WaterWise Consulting, Inc to offer free CII and large landscape (“LL”) audits to non-residential customers. CII audits include a detailed onsite audit evaluating the facility, water use patterns, indoor water use, and summary of recommendations specific to the property. LL audits include a detailed outdoor audit and the creation of a site-specific water budget and irrigation schedule. In 2019, no CII or LL 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	\$ 156,493
(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)	\$ 7,108,645
Other Business Services (includes call center, lab, supply chain, T&I, facilities, and security)	<u>\$ 9,753,623</u>
Total	\$16,862,268

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

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

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

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

(g) financing arrangements and transactions between regulated water utility and any affiliated company.
All financing activities are covered by an agreement between American Water Capital Corporation (AWCC) and California-American Water Company

California-American Water Company - List of Shared Directors and Officers as of June 11, 2020

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	Officer	Vice President, Legal
Crooks, Ian	California-American Water Company	Officer	Vice President, Engineering
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	Officer	Treasurer
Dana, Jeffrey	Hawaii-American Water Company	Officer	Vice President, Finance
Fulter, Stacey	California-American Water Company	Officer	Assistant Treasurer
Fulter, Stacey	Hawaii-American Water Company	Officer	Assistant Treasurer
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	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	Director	Director
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
Manes, Dan	Illinois-American Water Company	Officer	Assistant Controller
Manes, Dan	Missouri-American Water Company	Officer	Assistant Comptroller
Manes, Dan	American Lake Water Company	Officer	Assistant Comptroller
Manes, Dan	Iowa-American Water Company	Officer	Assistant Controller
Manes, Dan	Kentucky-American Water Company	Officer	Assistant Comptroller
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 T	New York American Water Company, Inc.	Officer	Assistant Comptroller
Manes, Daniel T	Whitlock Farms Water Corp., Inc.	Officer	Assistant Comptroller
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	Mt. Ebo Sewage Works, Inc.	Officer	Assistant Comptroller
Manes, Daniel T	Maryland-American Water Company	Officer	Assistant Comptroller
Manes, Daniel T	New Jersey-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	West Virginia-American Water Company	Officer	Assistant Comptroller
Manes, Daniel T	Pennsylvania-American Water Company	Officer	Assistant Comptroller

California-American Water Company - List of Shared Directors and Officers as of June 11, 2020

Personnel Name	Business Entity	Title Role	Title
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 Comptroller
Murray, Kevin	California-American Water Company	Director	Director
Murray, Kevin	Hawaii-American Water Company	Director	Director
Owens, Stephen Wesley	California-American Water Company	Officer	Assistant Treasurer
Owens, Stephen Wesley	Hawaii-American Water Company	Officer	Assistant Treasurer
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	Director	Director
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	American Water Works Service Company, Inc.	Officer	Vice President of Tax Strategy and Compliance
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 Comptroller
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.	AW Insurance, LLC	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.	Pivotal Home Solutions, LLC	Officer	Assistant Comptroller
Wilde, John R.	Virginia-American Water Company	Officer	Assistant Comptroller

California-American Water Company - List of Shared Directors and Officers as of June 11, 2020

Personnel Name	Business Entity	Title Role	Title
Wilde, John R.	West Virginia-American Water Company	Officer	Assistant Comptroller
Wilde, John R.	Whitlock Farms Water Corp., Inc.	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:

\$ 8,124

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	48	\$ 16.62
Total	48	

3. Summary of the bank account activities showing:

Balance at beginning of year	\$ 16,341
Add: Surcharge collections	<u>10,173</u>
Interest earned	<u>304</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>\$ 17,569</u>

4. Reason for other deposits/withdrawals

Loan Payments

5. Total Accumulated Reserve: \$ 6,012

**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	284,498			\$ 352,211
37	344	Fire Mains					\$ -
38	345	Services		75,400			\$ 75,400
39	346	Meters					\$ -
40	347	Meter Installations					\$ -
41	348	Hydrants		4,800			\$ 4,800
42	349	Other Transmission and Distribution Plant					\$ -
43		Total Transmission and Distribution Plant	\$ 67,713	\$ 364,698	\$ -	\$ -	\$ 432,411

*Note - 2019 Additions represents acquisition of Rio Plaza. The amounts reported were obtained from the 2018 Class C Annual Report for Rio Plaza Schedule A-1b

**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	\$ 364,698	\$ -	\$ -	\$ 780,000

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 _____ Garry Hofer
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, 2019, through December 31, 2019.

Vice President
Title (Please Print)

/s/ Garry Hoffer
Signature

619 446-4761
Telephone Number

06/30/2020
Date

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California American Water
GO 103A Customer Service Performance Measures
 Companywide Information 2019

Performance Standards	Performance Measure	2019
Telephone Performance		
Total Calls Received		124,374
Total Calls Answered in 30 seconds		115,423
% of Calls Answered in 30 seconds	≥ 80%	93%
Total Abandoned Calls		8,677
% Abandoned Call Rate	≤ 5%	7%
Billing		
Total Bills Rendered		2,173,348
Total Bills Rendered in 7 days		2,068,165
% Bills Rendered in 7 days	≥ 99%	95%
Total Inaccurate Bills		9,201
% of Inaccurate Bills	≤ 3%	0.42%
Total Payments Posted		1,916,092
Total Errored Payments		6,227
% Payment Posting Error	≤ 1%	0.325%
Total Number of Final Bills		22,513
Final Bills Issued after 14 days		2,534
% Final Read and Final Bill Issued after 14 days	≤ 14 Days	11%
Meter Reading		
Total Scheduled Actual Meter Reads		2,135,488
Total Estimated Meter Reads		20,598
% Scheduled Meters not Read	≤ 3%	1.0%
Work Order Completion		
% Total Customer Met Appointments	≥ 95%	98.0%
% Total Missed Customer Appointments	≤ 5%	2%
Total Scheduled Work Orders Customer Requested		74,233
Total Completed Work Orders as Scheduled		88,803
Total Incomplete /Canceled Work Orders		3,604
% Customer Work Orders not Completed	≤ 5%	4%
Customer/Regulatory Complaints		
Total Number of Customers		179,260
# of CAB Formal and Informal Complaints		41
% Rate of Complaints to CAB	≤ .1%	0.02%

2019 California American Water Non-Revenue Water Update

The following provides California American Water'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 2018 Non-Revenue Water Update. This update provided in writing and is consistent with last year's update.

Reduction Efforts / Activities as of December 2019:

State

- Continuation in the use of the American Water Works Association (AWWA) Water Audit Software Version 5.0: California American Water uses the water audit software to review and classify system losses as "real" or "apparent." In accordance with AWWA definitions, contributors to apparent losses include unauthorized consumption, meter inaccuracies, and data handling errors. Real losses are defined as the total system losses minus apparent losses. California American Water continues to update the AWWA audits for each district on an annual basis to track and report NRW.
- For those systems with 3,000 or more customers, the water audits are validated by an authorized third-party validator in compliance with California SB 555.
- 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, (FSPRV) 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. Also, production meters are tested annually and repaired or replaced as needed. Over the past five (5) years (2014 through 2018), the Ventura County District replaced 710 feet of 14-inch and 8-inch steel pipe due to leak history.

- 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 the 77, 49 were investigated, resulting in the detection of 20 subsurface leaks. This represents a 41% leak found per investigated POI. The average flow for these leaks was 17 gpm. The SILD strategy generated 504 POI's. Of the 504, 146 were investigated, resulting in the detection of 117 subsurface leaks. This represents an 80% leak found per investigated POI. The average flow for these leaks was 7 gpm. Also, production meters are tested annually and repaired or replaced as needed. Over the past five (5) years (2014 through 2018), the Los Angeles County District has replaced 7,003 feet of 4-inch, 6-inch, 8-inch, 10-inch, 12-inch, 14-inch and 30-inch AC, Cast Iron, Steel and Concrete pipe. Most of this pipe was installed prior to 1960 and was replaced due to leak history.
- 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. Also, production meters are tested annually and repaired or replaced as needed. Over the past five (5) years, the San Diego County District has replaced 7,303 feet of 4-inch, 6-inch, and 20-inch steel, cast iron and asbestos concrete pipe. All of this pipeline was installed prior to 1950 and was replaced due to leak history.

Coastal Division

- Main Line Replacement – California American Water continued its main replacement project with an average of approximately one mile of mains replaced every year. California American Water continues an aggressive main replacement program using its comprehensive planning study documents to target leak prone areas across the service territory.
- Soft Start magnetic starters and Variable Frequency Drives have continued to be installed at wells sites and booster stations, in order to minimize starting surges, which can cause leaks throughout the distribution system.
- Production Meter Testing - Production meters are verified through their regular reads and confirmation of usage volumes when irregular reads are noted. Verification of source meters allows for accurate calculations of NRW in our systems.
- Meter Replacement Program - Meters are replaced on length of service timeframes and if missed reads are noted by field staff. Over 3,000 meters were replaced in the Monterey County District due to length of service or trouble in 2019.
- Unauthorized Consumption – California American Water, in cooperation with the Monterey Peninsula Water Management District (“MPWMD”), implemented an aggressive program to reduce unauthorized consumption. Aspects of the program require all contractors to provide a MPWMD permit prior to receiving a temporary construction meter.

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 company’s mains and on the customers’ side of the system. Identified leaks on company pipes 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 2020-2021

- All Districts: Continuation of all the above activities.
- All Districts: Continuation of all IPs listed in the original document as approved in the GRC.

- LA: Continuation of the “System Improvements” IP in the Duarte System to allow for the eventual retirement of the Duarte/Bradbury Irrigation System. All customers have been transferred over to the potable system. The destruction and backfilling of the irrigation ponds is underway.
- LA: Proposed in 2021 (Test Year), the Los Angeles County District has planned to replace 2,500 feet of pipe due to leak history.
- SD: Proposed in 2021 (Test Year), the San Diego County District has planned to replace 8,850 feet of pipe, of which 6,000 feet of pipe due to leak history.
- Monterey: Continued work on meter testing/replacement, along with main replacements at locations prone to leaks.
- Monterey: Continued SCADA/Electrical Improvements – The Monterey SCADA system improvement project improves communication with remote site(s) and allows 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. Soft starts and Variable Frequency Drives are also actively being installed where appropriate in the systems to soften or reduce water surges in the distribution systems.

Long Term Plans

- LA: The eventual retirement of Duarte/Bradbury Irrigation System, within the 2018-2020 rate case cycle, will reduce undetected non-surfacing leakage and evaporation from open reservoirs.
- LA: Continued systematic replacement of aged mainlines per the Company’s Comprehensive Planning Study and Condition Based Assessment, notably in the division’s Los Angeles County 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.