

**CALIFORNIA PUBLIC UTILITIES COMMISSION
DIVISION OF WATER AND AUDITS**

Advice Letter Cover Sheet

Utility Name: California American Water	Date Mailed to Service List: November 15, 2022
District: Northern Division	
CPUC Utility #: U210W	Protest Deadline (20th Day): December 5, 2022
Advice Letter #: 1396	Review Deadline (30th Day): December 15, 2022
Tier <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> Compliance	Requested Effective Date: January 1, 2023
Authorization Decision 21-11-018	
Description: 2023 ACAM – Northern Division	Rate Impact: \$See AL See AL%

The protest or response deadline for this advice letter is 20 days from the date that this advice letter was mailed to the service list. Please see the "Response or Protest" section in the advice letter for more information.

Utility Contact: Chase Grady

Phone:

Email: chase.grady@amwater.com

Utility Contact: Jonathan Morse

Phone: 916-568-4237

Email: Jonathan.morse@amwater.com

DWA Contact: Tariff Unit

Phone: (415) 703-1133

Email: Water.Division@cpuc.ca.gov

DWA USE ONLY

<u>DATE</u>	<u>STAFF</u>	<u>COMMENTS</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

APPROVED

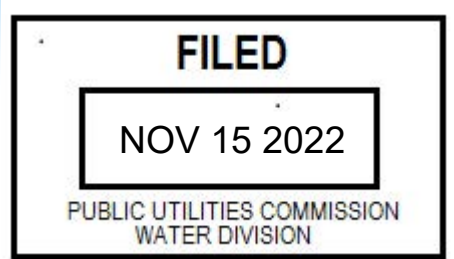
WITHDRAWN

REJECTED

Signature: _____

Comments: _____

Date: _____



520 Capitol Mall, Suite 630
Sacramento, CA 95814
www.amwater.com

P (916) 568-4237

November 15, 2022

ADVICE LETTER NO. 1396

TO THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

California-American Water Company (U210W) (California American Water) submits this advice letter applicable to its Northern Division water customers.

Purpose:

This advice letter is to comply with Decision (D.) 21-11-018 which states:

6. *California-American Water Company shall submit its 2023 escalation advice letters no later than 45 days prior to their effective date on January 1, 2023.*
7. The Annual Consumption Adjustment Mechanism (ACAM) filings for 2022 shall be filed concurrently with the 2022 Escalation filings via Tier 2 advice letters as approved in Settlement 1. The ACAM filings shall be submitted 60 days from the effective date of this decision. Upon approval of the Tier 2 advice letter, California American Water will file a Tier 1 advice letter to implement new rates effective 45 days after the Tier 2 filing.

Background:

California American Water was authorized to create a pilot ACAM in its Monterey Service Area in D.18-05-027. D.21-11-018 authorized the ACAM as a permanent program in Monterey, and also authorized California American Water to create new ACAM pilot programs in its Northern and Southern Divisions.

Request:

In compliance with D.21-11-018, California American Water requests authority to replace the adopted consumption with the actual consumption and production data (from October 1, 2021 through September 30, 2022) beginning January 1, 2022 to be used for future rate adjustments, including all annual step and offset filings, in 2023 until the adopted consumption is updated the following year.

Tier Designation:

This advice letter is submitted pursuant to General Order No. 96-B and D.21-11-018 and is designated as a Tier 2 filing.

Effective Date:

California American Water requests an effective date of January 1, 2023.

RESPONSE OR PROTEST¹

Anyone may submit a response or protest for this AL. When submitting a response or protest, **please include the utility name and advice letter number in the subject line.**

A **response** supports the filing and may contain information that proves useful to the Commission in evaluating the AL. A **protest** objects to the AL in whole or in part and must set forth the specific grounds on which it is based. These grounds² are:

- (1) The utility did not properly serve or give notice of the AL;
- (2) The relief requested in the AL would violate statute or Commission order, or is not authorized by statute or Commission order on which the utility relies;
- (3) The analysis, calculations, or data in the AL contain material error or omissions;
- (4) The relief requested in the AL is pending before the Commission in a formal proceeding; or
- (5) The relief requested in the AL requires consideration in a formal hearing, or is otherwise inappropriate for the AL process; or
- (6) The relief requested in the AL is unjust, unreasonable, or discriminatory, provided that such a protest may not be made where it would require relitigating a prior order of the Commission.

A protest may not rely on policy objections to an AL where the relief requested in the AL follows rules or directions established by statute or Commission order applicable to the utility. A protest shall provide citations or proofs where available to allow staff to properly consider the protest.

DWA must receive a response or protest via email (**or** postal mail) within 20 days of the date the AL is filed. When submitting a response or protest, **please include the utility name and advice letter number in the subject line.**

The addresses for submitting a response or protest are:

Email Address:

Water.Division@cpuc.ca.gov

Mailing Address:

CA Public Utilities Commission
Division of Water and Audits
505 Van Ness Avenue
San Francisco, CA 94102

On the same day the response or protest is submitted to DWA, the respondent or protestant shall send a copy of the protest to California American Water at:

Email Address:

nancy.hollingsworth@amwater.com

sarah.leeper@amwater.com

Mailing Address:

4701 Beloit Drive
Sacramento, CA 95838

555 Montgomery Street, Suite 816
San Francisco, CA 94111

¹ G.O. 96-B, General Rule 7.4.1

² G.O. 96-B, General Rule 7.4.2

jonathan.morse@amwater.com

4701 Beloit Drive
Sacramento, CA 95838

Cities and counties that need Board of Supervisors or Board of Commissioners approval to protest should inform DWA, within the 20 day protest period, so that a late filed protest can be entertained. The informing document should include an estimate of the date the proposed protest might be voted on.

REPLIES³

The utility shall reply to each protest and may reply to any response. Any reply must be received by DWA within five business days after the end of the protest period, and shall be served on the same day on each person who filed the protest or response to the AL.

The actions requested in this advice letter are not now the subject of any formal filings with the California Public Utilities Commission, including a formal complaint, nor action in any court of law.

This filing will not cause the withdrawal of service, nor conflict with other schedules or rules.

If you have not received a reply to your protest within 10 business days, please contact Nancy Hollingsworth at (916) 568-4209.

CALIFORNIA-AMERICAN WATER COMPANY

/s/ Nancy Hollingsworth

Nancy Hollingsworth
Financial Analyst III - Rates & Regulatory

³ G.O. 96-B, General Rule 7.4.3

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
	Schedule No. ND-1 Northern Division Tariff Area GENERAL METERED SERVICES Sheet 1	XXXXX-W
	Schedule No. ND-1 Northern Division Tariff Area GENERAL METERED SERVICES Sheet 2	XXXXX-W
	Schedule No. ND-1 Northern Division Tariff Area GENERAL METERED SERVICES Sheet 3	XXXXX-W
	Schedule No. ND-HV-9M Northern Division Tariff Area MEASURED SERVICES FOR TRUCKS Sheet 1	XXXXX-W
	Schedule No. CA-CAP California American Water CUSTOMER ASSISTANCE PROGRAM Sheet 1	XXXXX-W
	Schedule No. CA-CAP California American Water CUSTOMER ASSISTANCE PROGRAM Sheet 3	XXXXX-W

Schedule No. ND-1
Northern Division Tariff Area
GENERAL METERED SERVICES

Sheet 1

APPLICABILITY

Applicable to all metered water service.

NORTHERN DIVISION TARIFF AREA RATES

Sacramento Service Area

TERRITORY

The unincorporated communities, subdivisions, and adjacent areas generally known as Cordova, Rosemont, Parkway Estates, Lindale, Foothill Farms, Arlington Heights, Linwood, Loretto Heights, Arden Highlands, Arden Estates and Sunrise Security Park, and Ox-Bow. A part of the City of Citrus Heights and the communities of Antelope and Sabre City in Sacramento and Placer counties. The city of Isleton and vicinity and the unincorporated community of Walnut Grove in Sacramento County. The lower southwestern portion of Placer County, including the areas known as Morgan Creek, Doyle Ranch, Sun Valley Oaks, and Riolo Greens. Dunnigan, along both sides of Interstate 5, between County Roads 2 on the north and County Road 9 on the south, Yolo County. Geyserville and vicinity, Sonoma County. Hillview: Coarsegold Highlands, Raymond, and subdivision in and near Oakhurst, Madera County.

RATES

Quantity Rates:

	<u>Base Rate</u>	
	<u>Per 100 gal (CGL)</u>	
<u>Residential Customers:</u>		(T)
For the first 74.8 CGL	\$0.4970	(I)
For next 74.8 CGL.....	\$0.6663	
For all water delivered over 149.6 CGL	\$0.8442	
 <u>All Other Customers:</u>		(I)
For all water delivered, per CGL	\$0.5794	

Service Charge: General Metered

	<u>Per Meter</u>	
	<u>Per Month</u>	
For 5/8 x 3/4-inch meter.....	\$20.03	(P)
For 3/4-inch meter.....	\$30.04	
For 1-inch meter.....	\$50.06	
For 1-1/2-inch meter.....	\$100.13	
For 2-inch meter.....	\$160.20	
For 3-inch meter.....	\$300.38	
For 4-inch meter.....	\$500.63	
For 6-inch meter.....	\$1,001.27	
For 8-inch meter.....	\$1,602.03	
For 10-inch meter.....	\$2,302.91	(P)

The Service Charge is a readiness-to-serve charge applicable to all general metered services. It is added to the charge for water furnished, which is based on Quantity Rates.

(Continued)

<u>(TO BE INSERTED BY UTILITY)</u>	<u>ISSUED BY</u>	<u>(TO BE INSERTED BY C.P.U.C.)</u>
Advice 1396	J. T. LINAM	Date Filed _____
Decision	DIRECTOR - Rates & Regulatory	Effective _____
		Resolution _____

Schedule No. ND-1
Northern Division Tariff Area
GENERAL METERED SERVICES

Sheet 2

NORTHERN DIVISION TARIFF AREA RATES (Continued):

Larkfield Service Area

TERRITORY

The unincorporated areas known as the Larkfield and Wikiup subdivisions and the community of Fulton, three miles north of Santa Rosa, Sonoma County.

RATES

Quantity Rates:

	<u>Base Rate</u>	
	<u>Per 100 gal (CGL)</u>	
Residential Customers:		
For the first 37.4 CGL	\$0.9552	(l)
For the next 97.5 CGL.....	\$0.9950	
For the next 55.5 CGL.....	\$1.1443	
For all water delivered over 190.4 CGL	\$1.2985	

<u>All Other Customers:</u>		
For all water delivered, per CGL.....	\$0.9950	(l)

Service Charge: General Metered

	<u>Per Meter</u>
	<u>Per Month</u>
For 5/8 x 3/4-inch meter.....	\$17.99
For 3/4-inch meter.....	\$26.99
For 1-inch meter.....	\$44.98
For 1-1/2-inch meter.....	\$89.96
For 2-inch meter.....	\$143.94
For 3-inch meter.....	\$269.89
For 4-inch meter.....	\$449.81
For 6-inch meter.....	\$899.62
For 8-inch meter.....	\$1,439.39
For 10-inch meter.....	\$2,069.13

The Service Charge is a readiness-to-serve charge applicable to all general metered services. It is added to the charge for water furnished, which is based on the Quantity Rates.

(Continued)

(TO BE INSERTED BY UTILITY)	ISSUED BY	(TO BE INSERTED BY C.P.U.C.)
Advice 1396	J. T. LINAM	Date Filed _____
Decision	DIRECTOR - Rates & Regulatory	Effective _____
		Resolution _____

Schedule No. ND-1
Northern Division Tariff Area
GENERAL METERED SERVICES

Sheet 3

NORTHERN DIVISION TARIFF AREA RATES (Continued):

Meadowbrook Service Area

TERRITORY

The unincorporated area known as Meadowbrook Tract, including Nos. 1 and 2, located approximately 1-1/2 miles northwest of the city of Merced, Merced County.

RATES

Quantity Rates:

<u>Residential Customers:</u>	<u>Base Rate</u> <u>Per 100 gal (CGL)</u>	
For the first 34 CGL	\$0.2608	(I)
For the next 24 CGL.....	\$0.2745	
For all water delivered over 58 CGL	\$0.3060	
<u>All Other Customers</u>		
For all water delivered per CGL	\$0.2745	(I)
Service Charge: General Metered		
	<u>Per Meter</u> <u>Per Month</u>	
For 5/8 x 3/4-inch meter.....	\$20.87	(P)
For 3/4-inch meter.....	\$31.30	
For 1-inch meter.....	\$52.17	
For 1-1/2-inch meter.....	\$104.34	
For 2-inch meter.....	\$166.95	
For 3-inch meter.....	\$313.02	
For 4-inch meter.....	\$521.71	
For 6-inch meter.....	\$1,043.41	(P)

The Service Charge is a readiness-to-serve charge, which is applicable to all general metered services and to which is added the charge for water used computed at the Quantity Rates.

(Continued)

(TO BE INSERTED BY UTILITY)

Advice 1396
Decision

ISSUED BY

J. T. LINAM
DIRECTOR - Rates & Regulatory

(TO BE INSERTED BY C.P.U.C.)

Date Filed _____
Effective _____
Resolution _____

CALIFORNIA-AMERICAN WATER COMPANY

655 W. Broadway, Suite 1410
San Diego, CA 92101

Cancelling Revised
Revised

Cal. P.U.C. Sheet No.
Cal. P.U.C. Sheet No. XXXXX-W

Schedule No. ND-HV-9M
Northern Division Tariff Area
MEASURED SERVICES FOR TRUCKS

Sheet 1

APPLICABILITY

Applicable to all tank truck water sales.

NORTHERN DIVISION TARIFF AREA RATES

Hillview Service Area

TERRITORY

Hillview Service Area including Coarsegold Highlands, Raymond, and subdivisions in and near Oakhurst, Madera County.

RATES

	<u>Per 1</u>	(T)
	<u>CGL</u>	(T)
	(100 gal.)	(T)
For all water delivered, per CGL	\$0.5794	(T)(I)

SPECIAL CONDITIONS

1. All bills subject to reimbursement fee set forth on Schedule No. UF.

(Continued)

(TO BE INSERTED BY UTILITY)

Advice 1396
Decision

ISSUED BY

J. T. LINAM
DIRECTOR - Rates & Regulatory

(TO BE INSERTED BY C.P.U.C.)

Date Filed _____
Effective _____
Resolution _____

CALIFORNIA-AMERICAN WATER COMPANY

655 W. Broadway, Suite 1410
San Diego, CA 92101

Cancelling Revised
Revised

Cal. P.U.C. Sheet No. XXXXX-W
Cal. P.U.C. Sheet No.

Schedule No. CA-CAP
California American Water
CUSTOMER ASSISTANCE PROGRAM

Sheet 1

APPLICABILITY

Applicable to individually metered and flat rate residential customers, qualified non-profit group living facilities, qualified agricultural employee housing facilities, and migrant farm worker housing centers where the customer meets all the special conditions of this schedule.

TERRITORY

All territories served by California American Water Company

RATES:

**Northern Division:
Sacramento Service Area**

Quantity Rates:

	<u>Base Rate</u> <u>Per 100 gal (CGL)</u>	
For the first 74.8 CGL	\$0.3976	(I)
For next 74.8 CGL	\$0.5330	(I)
For all water delivered over 149.6 CGL	\$0.8442	(I)

Service Charge: General Metered

	<u>Per Meter</u> <u>Per Month</u>	
For 5/8 x 3/4-inch meter.....	\$16.02	(P) (P)
For 3/4-inch meter.....	\$24.03	
For 1-inch meter.....	\$40.05	
For 1-1/2-inch meter.....	\$80.10	
For 2-inch meter.....	\$128.16	
For 3-inch meter.....	\$240.30	
For 4-inch meter.....	\$400.51	
For 6-inch meter.....	\$801.51	
For 8-inch meter.....	\$1,281.62	
For 10-inch meter.....	\$1,842.33	

Larkfield Service Area

Quantity Rates:

	<u>Base Rate</u> <u>Per 100 gal (CGL)</u>	
For the first 37.4 CGL	\$0.7642	(I)
For the next 97.5 CGL	\$0.7960	
For the next 55.5 CGL	\$1.1443	
For all water delivered over 190.4 CGL.....	\$1.2985	(I)

(Continued)

<u>(TO BE INSERTED BY UTILITY)</u>	<u>ISSUED BY</u>	<u>(TO BE INSERTED BY C.P.U.C.)</u>
Advice 1396	J. T. LINAM	Date Filed _____
Decision	DIRECTOR - Rates & Regulatory	Effective _____
		Resolution _____

CALIFORNIA-AMERICAN WATER COMPANY

655 W. Broadway, Suite 1410
San Diego, CA 92101

Cancelling Revised
Revised

Cal. P.U.C. Sheet No.
Cal. P.U.C. Sheet No. XXXXX-W

Schedule No. CA-CAP
California American Water
CUSTOMER ASSISTANCE PROGRAM

Sheet 3

RATES (Continued):

Meadowbrook Service Area

Quantity Rates:

	<u>Base Rate</u>	
	<u>Per 100 gal (CGL)</u>	
For the first 34 CGL	\$0.2087	(I)
For the first 24 CGL	\$0.2196	(I)
For all water delivered over 58 CGL	\$0.3060	(I)

Service Charge: General Metered

	<u>Per Meter</u>	
	<u>Per Month</u>	
For 5/8 to 3/4-inch meter.....	\$16.69	(P)
For 3/4-inch meter.....	\$25.04	
For 1-inch meter.....	\$41.74	
For 1-1/2-inch meter.....	\$83.47	
For 2-inch meter.....	\$133.56	
For 3-inch meter.....	\$250.42	
For 4-inch meter.....	\$417.36	
For 6-inch meter.....	\$834.73	(P)

(Continued)

(TO BE INSERTED BY UTILITY)

Advice 1396
Decision

ISSUED BY

J. T. LINAM
DIRECTOR - Rates & Regulatory

(TO BE INSERTED BY C.P.U.C.)

Date Filed _____
Effective _____
Resolution _____

NORTHERN DIVISION SERVICE LIST
CALIFORNIA-AMERICAN WATER COMPANY

BY MAIL:

	Walt Shannon 8356 Auberry Drive Sacramento, CA 95828	Robert A. Ryan, Jr. County of Sacramento Downtown Office 700 H Street, Suite 2650 Sacramento, CA 95814 Mark Norris, County Clerk-Recorder County of Sacramento 600 8th Street Sacramento, CA 95814 Robert C. Baptiste 9397 Tucumcari Way Sacramento, CA 95827-1045
Carol Smith 6241 Cavan Drive, 3 Citrus Heights, CA 95621	Sacramento County WMD 827 7th Street, Room 301 Sacramento, CA 95814	
Steven J. Thompson 5224 Altana Way Sacramento, CA 95841	Fruitridge Vista Water Company P.O. Box 959 Sacramento, CA 95812	
Anthony La Bouff, County Counsel Placer County 175 Fulweiler Avenue Auburn, CA 95603	Rio Linda Water District 730 L Street Rio Linda, CA 95673	State of California Department of Water Resources Safe Drinking Water Office, Room 804 Attn: Program Manager Post Office Box 942836 Sacramento, CA 94236-0001 California Water Service Co Redwood Valley District 14034 Armstrong Woods Rd Guerneville, CA 95446
State of California, Dept. of Health Services Safe Drinking Water State Rev Fund Program Attn: Chief, Safe Drinking Water 1616 Capitol Mall, MS 7418 Post Office Box 997413 Sacramento, CA 95899-7413	Mario Gonzalez 111 Marwest Commons circle Santa Rosa, CA 95403	
Maria D. Duddy 2184 Teakwood Ct. Hollister, CA 95023	Penngrove/Kenwood Water Co 4984 Sonoma Hwy Santa Rosa, CA 95409	Henry Nanjo Department of General Services Office of Legal Services, MS-102 PO Box 989052 West Sacramento, CA 95798-9052 Sacramento Suburban Water District 3701 Marconi Avenue, Suite 100 Sacramento, CA 95821-5303
Citrus Heights Water District 6230 Sylvan Road Citrus Heights, CA 95610 rchurch@chwd.org	Edward W. O'Neill Davis Wright Tremaine LLP 505 Montgomery Street San Francisco, CA 94111-6533 City of Sacramento, Water Division 1391 35th Avenue Sacramento, CA 95822 utilities@cityofsacramento.org	Marvin Philo 3021 Nikol Street Sacramento, CA 95826 mhphilo@aol.com
<u>BY E-MAIL:</u>		
Hilary Straus, General Manager Citrus Heights Water District 6230 Sylvan Road Citrus Heights, CA 95610 hstraus@chwd.org	Amy Van, City Clerk City of Citrus Heights 6237 Fountain Square Drive Citrus Heights, CA 95621 avan@citrusheights.net	Jim McCauley, Clerk-Recorder Placer County 2954 Richardson Drive Auburn, CA 95603 skasza@placer.ca.gov

NORTHERN DIVISION SERVICE LIST
CALIFORNIA-AMERICAN WATER COMPANY

Florin County Water District
P.O. Box 292055
Sacramento, CA 95829
fcwd@sbcglobal.net

Richard Rauschmeier
California Public Utilities Commission
DRA - Water Branch, Rm 4209
505 Van Ness Ave
San Francisco, CA 94102
rra@cpuc.ca.gov

Susan Sommers
City Of Petaluma
P.O. Box 61
Petaluma, CA 94953
suesimmons@ci.petaluma.ca.us

Madera LAFCO
2037 West Cleveland Avenue
Madera, CA 93637
etmeasurement@maderacounty.com

Yvonne Zepeda, City Clerk
City of Isleton
P.O. Box 716
Isleton, CA 95641
Yvonne.zepeda@cityofisleton.com

Office of Ratepayer Advocates
California Public Utilities Commission
dra_water_al@cpuc.ca.gov

Dana McRae
County Counsel
County of Santa Cruz
701 Ocean Street, Room 505
Santa Cruz, CA 95060
dana.mcrae@co.santa-cruz.ca.us

Deborah Mahler, Deputy Director
Madera Fire District
200 West Fourth Street
Madera, CA 93637
deborah.mahler@maderacounty.com

Placer County Water Agency
Customer Service Department
customerservices@pcwa.net

Heather Hernandez
Sacramento Suburban Water District
3701 Marconi Avenue, Suite 100
Sacramento, CA 95821-5303
HHernandez@sswd.org

Tim & Sue Madura
411 Firelight Drive
Santa Rosa, CA 95403
suemadura@sbcglobal.net

CALIFORNIA-AMERICAN WATER COMPANY
ADVICE LETTER 1396
SUPPORTING DOCUMENTATION FOR STAFF

**2023 ACAM Northern Division
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California American Water
Rate and Revenue Comparison
NORTHERN DIVISION - Sacramento District

SAC Workpaper 100

		2023 STEP RATE			ACAM ADJUSTED			VARIANCE			
		Schedule No. ND-1	Schedule No. CA-CAP		Schedule No. ND-1	Schedule No. CA-CAP					
Line No.	Description	CURRENT RATES Per 100 CF	CURRENT RATES PER 100 GAL (CGL)	CURRENT RATES PER 100 GAL (CGL)	ACAM NEW RATES Per 100 CF	ACAM NEW RATES PER 100 GAL (CGL)	ACAM NEW RATES PER 100 GAL (CGL)	RATES PER 100 GAL (CGL) \$	RATES PER 100 GAL (CGL) %		
Quantity Rates											
<u>Residential Customers</u>											
1	For the first 74.8 CGL	\$3.3379	\$0.4462	\$0.3570	0.20	\$3.7178	\$0.4970	\$0.3976	0.20	\$0.0508	11.4%
2	For the next 74.8 CGL	\$4.4749	\$0.5982	\$0.4786	0.20	\$4.9842	\$0.6663	\$0.5330	0.20	\$0.0681	11.4%
3	For all water delivered over 149.6 CGL	\$5.6695	\$0.7579	\$0.7579		\$6.3148	\$0.8442	\$0.8442		\$0.0863	11.4%
<u>All Other Customers</u>											
4	For all water delivered per CGL	\$3.8912	\$0.5202			\$4.3341	\$0.5794			\$0.0592	11.4%
Quantity Revenue											
Line No.	Customer Class	CURRENT RATES	CURRENT ADOPTED CONSUMPTION	CONSUMPTION REVENUE		ACAM NEW RATES	ACAM ADJUSTED CONSUMPTION	CONSUMPTION REVENUE		CONSUMPTION REVENUE \$	CONSUMPTION REVENUE %
<u>Residential Customers</u>											
Per CCF											
1	Tier 1	\$3.3379	4,878,037	16,282,261		\$3.7178	4,339,171	16,132,129		-\$150,132	-0.9%
2	Tier 2	\$4.4749	1,651,028	7,388,152		\$4.9842	1,468,642	7,320,029		-\$68,123	-0.9%
4	Tier 3	\$5.6695	975,607	5,531,186		\$6.3148	867,834	5,480,185		-\$51,001	-0.9%
5	Tier 4										
6	Total Residential		7,504,673	29,201,599			6,675,647	28,932,343		-\$269,256	-0.9%
Per CCF											
7	Non Residential	\$3.8912	5,166,081	20,102,254		\$4.3341	4,700,467	20,372,294		\$270,040	1.3%
8	Total		12,670,754	49,303,853			11,376,114	49,304,637		\$784	0.00%

APPENDIX A: LIST OF CUSTOMER CLASSIFICATIONS SUBJECT TO ANNUAL TRUE-UP PROCESS

By Customer Class

Residential (including low income)¹

Commercial

Public Authority

Industrial

By System

Sacramento District

Hillview Service Area

Customer Classes/Systems not Subject to the CAM

Construction

Other Special Use

¹ Low income customers are included as they are billed at regular rates for revenue requirement purposes with the discount applied

CALIFORNIA AMERICAN WATER COMPANY

NORTHERN DIVISION - SACRAMENTO

APPENDIX B: CONSUMPTION ADJUSTMENT MECHANISM (CAM) - ALL DATA

Note: Based on Actual October 1, 2021 through September 30, 2022 recorded data

Single Family Residential Consumption by Tier⁽¹⁾⁽²⁾

ccf	Sacramento Adopted Usage	Hillview Adopted Usage	Adopted Calendar Yr 2022	Recorded 10/1/21 - 9/30/22	% Change
Tier 1	4,790,615	74,994	4,865,609	4,339,171	-10.8%
Tier 2	1,621,439	25,383	1,646,821	1,468,642	-10.8%
Tier 3	958,123	14,999	973,122	867,834	-10.8%
Tier 4					0.0%
Total	7,370,177	115,375	7,485,552	6,675,647	-10.8%

Source:

Adopted Consumption is from 2019 GRC

Commercial Consumption

ccf	Sacramento Adopted Usage	Hillview Adopted Usage	Adopted Calendar Yr 2021	Recorded 10/1/21 - 9/30/22	% Change
Total	3,918,275	47,501	3,965,776	3,639,042	-8.2%

Adopted Consumption is from 2019 GRC

Industrial Consumption

ccf	Sacramento Adopted Usage	Hillview Adopted Usage	Adopted Calendar Yr 2021	Recorded 10/1/21 - 9/30/22	% Change
Total	213,489	78,672	292,161	243,204	-16.8%

Adopted Consumption is from 2019 GRC

Public Authority Consumption

ccf	Sacramento Adopted Usage	Hillview Adopted Usage	Adopted Calendar Yr 2021	Recorded 10/1/21 - 9/30/22	% Change
Total	895,093	0	895,093	818,220	-8.6%

Adopted Consumption is from 2019 GRC

System Total	12,397,034	241,548	12,638,582	11,376,114	-10.0%
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1) Includes low income

2) This is actual recorded data for the period and has been adjusted to correspond to the necessary data by block adopted by the new rate design approved in D.21-11-018

APPENDIX B: CONSUMPTION ADJUSTMENT MECHANISM (CAM) - ALL DATA

Note: Based on Actual October 1, 2021 through September 30, 2022 recorded data

Single Family Residential Consumption by Tier(1)(2)				
	SACRAMENTO	HILLVIEW	GREATER SAC	GREATER SAC
	Recorded	Recorded	Recorded	Proportional
ccf	10/1/21 - 9/30/22	10/1/21 - 9/30/22	10/1/21 - 9/30/22	10/1/21 - 9/30/22
Tier 1	4,520,500	79,488	4,599,988	4,339,171
Tier 2	1,345,490	12,304	1,357,794	1,468,642
Tier 3	703,976	13,888	717,864	867,834
Tier 4	0	0	0	0
Total	6,569,966	105,681	6,675,647	6,675,647
Commercial Consumption				
	Recorded	Recorded	Recorded	Proportional
ccf	10/1/21 - 9/30/22	10/1/21 - 9/30/22	10/1/21 - 9/30/22	10/1/21 - 9/30/22
Total	3,513,137	125,905	3,639,042	3,639,042
Industrial Consumption				
	Recorded	Recorded	Recorded	Proportional
ccf	10/1/21 - 9/30/22	10/1/21 - 9/30/22	10/1/21 - 9/30/22	10/1/21 - 9/30/22
Total	243,204	0	243,204	243,204
Public Authority Consumption				
	Recorded	Recorded	Recorded	Proportional
ccf	10/1/21 - 9/30/22	10/1/21 - 9/30/22	10/1/21 - 9/30/22	10/1/21 - 9/30/22
Total	818,220	0	818,220	818,220
System Total⁽²⁾	11,144,528	231,586	11,376,114	11,376,114

1) Includes low income

2) This is actual recorded data for the period and has been adjusted to correspond to the necessary data by block adopted by the new rate design approved in D.21-11-018

**CALIFORNIA-AMERICAN WATER COMPANY
NORTHERN DIVISION
REVENUE CALCULATION AT PROPOSED RATES
2023 ACAM ADJUSTED**

SAC Workpaper 104

		Sacramento
		Attrition Year
		2023
Line Number	Description	1560
1	Total Revenue Requirement	71,542
2	Other Revenues	499
<hr/>		
3	Total Water Service Revenue Requirement	71,044
4	Revenue recovered from RFSS (Residential Fire Sprinkler System)	0
5	Revenue recovered from Private Fire	608
6	Total other revenues	608
7	Revenues to be collected from metered customers	70,436
<u>Calculation of Standard Rates</u>		
8	50% of revenue requirement - Allowed Service Charge Revenue	35,218
9	Remaining 50% of Revenue Requirement To be Recovered in Quantity Rates	35,218
10	Total Water Sales -General Metered Service	11,376
11	Standard Quantity Rates (Per CCFS)	3.0958

**CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 ACAM ADJUSTED**

SAC Workpaper 104

		Sacramento
		Attrition Year
		2023
Line Number	Description	1560

Calculation of Conservation Rates

12	Percentage of Revenue Requirement To Be Recovered From Service Charges	30%
13	Revenue To Be Recovered From Service Charges	21,131
14	Revenue To Be Recovered From Quantity Charges	49,305
15	Total Water Sales -General Metered Service	11,376
16	Conservation Quantity Rates (Per CCFS)	4.3341

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 ACAM ADJUSTED

SAC Workpaper 105

Step Rate
 Sacramento

Conservation Rates
 Attrition Year
 2023

Line Number		1560
1	SQR under Conservation Rates	4.3341
2	Annual Residential Sales (CCF)	6,676
3	Residential Revenue Requirement	\$28,933
4	Residential Rev Req Per Proof	\$28,932
5	Residential Variance	(\$1)
6	% Variance	0.00%
7		
8	Breakpoints (Monthly) ^{5,11}	
9	<u>Tier 1</u>	
10	75cgl/10.03ccf Breakpoint 1 (ccf)	6
11	Water at Tier 1 Rate	65.00%
12	Cumulative water	N/A
13		
14	<u>Tier 2</u>	
15	75cgl/10.03ccf Breakpoint 2 (hcf)	11
16	150cgl/20.06cc Water at Tier 2 Rate	22.00%
17	Cumulative water	87.00%
18		
19	<u>Tier 3</u>	
20	>150cgl Breakpoint 3 (hcf)	0
21	Water at Tier 3 Rate	13.00%
22	Cumulative water	100.00%
23		

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 ACAM ADJUSTED

SAC Workpaper 105

Step Rate
 Sacramento

Conservation Rates
 Attrition Year
 2023

Line Number		1560
24	<u>Tier 4</u>	
25	Breakpoint 4 (hcf)	
26	Water at Tier 4 Rate	0.00%
27	Cumulative water	100.00%
28		
29		
30		
31		
32	Rates ⁵	
33	<u>Tier 1</u>	
34	Rate per hcf ^{7,8}	\$3.7178
35	% of SQR	85.78%
36	Revenue within tier	55.76%
37	Cumulative revenue	
38	<u>Tier 2</u>	
39	Rate per hcf	\$4.9842
40	% of SQR	115.00%
41	Revenue within tier	25.30%
42	Cumulative revenue	81.06%

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 ACAM ADJUSTED

SAC Workpaper 105

Step Rate
 Sacramento
 Conservation Rates
 Attrition Year
 2023

Line Number		1560
43	<u>Tier 3</u>	
44	Rate per hcf	\$6.3148
45	% of SQR	145.70%
46	Revenue within tier	18.94%
47	Cumulative revenue	100.00%
48	<u>Tier 4</u>	
49	Rate per hcf	\$0.0000
50	% of SQR	0.00%
51	Revenue within tier ⁶ (<10%)	0.00%
52	Cumulative revenue	100.00%
53		

54

Line Number	OUTPUT	
56	1	\$ 3.7178
57	2	\$ 4.9842
58	3	\$ 6.3148
59	4	\$ 0.0000
60	5	\$ 0.0000
61	NRES	\$ 4.3341

62

**CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 ACAM ADJUSTED**

SAC Workpaper 106

SACRAMENTO SERVICE AREA

Ln. No.	Customer Class	QTY RATE	Total Consumption	Total Revenues
	METERED CONSUMPTION	CCF		
	Residential			
1	Tier 1	\$ 3.7178	4,339,171	16,132,129
2	Tier 2	\$ 4.9842	1,468,642	7,320,029
3	Tier 3	\$ 6.3148	867,834	5,480,185
4	Total Residential		6,675,647	28,932,343
5	Commercial	4.3341	3,639,042	15,771,974
6	Public Authority	4.3341	818,220	3,546,249
7	Industrial	4.3341	243,204	1,054,071
8	CONSUMPTION REVENUES		11,376,114	49,304,637
9	SERVICE CHARGE REVENUES			21,130,420
10	OTHER REVENUE			498,509
11	PRIVATE FIRE REVENUE			608,299
12			Total Customer Revenue	71,541,865
13			Check to 2023 Rev Req't	71,542,341
14			Over/(Under)	(476)
15			% Difference	0.00%

**CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER**

Wkpr: 119
 SAC Workpaper 107

		Sacramento Attrition Year 2023	Larkfield Attrition Year 2023	Meadowbrook Attrition Year 2023
Line Number	Description	1560	1561	RS350
1	Total Revenue Requirement	71,542	3,100	1,367
2	Other Revenues	499		
3	<hr/> Total Water Service Revenue Requirement	71,044	3,100	1,367
4	Revenue recovered from RFSS (Residential Fire Sprinkler System)	0	0	0
5	Revenue recovered from Private Fire	608		
6	Total other revenues	608	0	0
7	Revenues to be collected from metered customers	70,436	3,100	1,367
<u>Calculation of Standard Rates</u>				
8	50% of revenue requirement - Allowed Service Charge Revenue	35,218	1,550	683
9	Remaining 50% of Revenue Requirement To be Recovered in Quantinty Rates	35,218	1,550	683
10	Total Water Sales -General Metered Service	12,671	336	416
11	Standard Quantinty Rates (Per CCFS)	2.7795	4.6059	1.6433

**CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER**

Wkpr: 119
 SAC Workpaper 107

		Sacramento	Larkfield	Meadowbrook
		Attrition Year	Attrition Year	Attrition Year
		2023	2023	2023
Line Number	Description	1560	1561	RS350
<u>Calculation of Conservation Rates</u>				
12	To Be Recovered From Service Charges	30%	30%	40%
13	Revenue To Be Recovered From Service Charges	21,131	930	547
14	Revenue To Be Recovered From Quantity Charges	49,305	2,170	820
15	Total Water Sales -General Metered Service	12,671	336	416
16	Conservation Quantinty Rates (Per CCFS)	3.8912	6.4482	1.9720

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER

Wkpr: 123
 SAC Workpaper 108

Line Number	Description	Water & RFS Meter Sizes	Sacramento	Larkfield	Meadowbrook
			Conservation Rates	Conservation Rates	Conservation Rates
			Attrition Year 2023	Attrition Year 2023	Attrition Year 2023
			1560	1561	RS350
	Customers by Meter Size				
1		0"	0	0	0
2		5/8 x 3/4"	53,606	1,376	1,598
3		3/4"	1,513	251	0
4		1"	2,366	158	87
5		1-1/2"	811	200	2
6		2"	1,950	38	9
7		3"	16	4	4
8		4"	80	4	9
9		6"	23	1	0
10		8"	8	0	0
11		10"	1	0	0
12	TOTAL Average Customers		60,374	2,032	1,709
	Meter Equivalents by Meter Size				
13		0"	1	1	1
14		5/8 x 3/4"	1	1	1
15		3/4"	1.5	1.5	1.5
16		1"	2.5	2.5	2.5
17		1-1/2"	5	5	5
18		2"	8	8	8
19		3"	15	15	15
20		4"	25	25	25
21		6"	50	50	50
22		8"	80	80	80
23		10"	115	115	115
	Total Meter Equivalents				
24		0"	0	0	0
25		5/8 x 3/4"	53,606	1,376	1,598
26		3/4"	2,270	377	0
27		1"	5,915	395	218
28		1-1/2"	4,055	1,000	10
29		2"	15,600	304	72
30		3"	240	60	60
31		4"	2,000	100	225
32		6"	1,150	50	0
33		8"	640	0	0
34		10"	115	0	0
35	TOTAL		87,933	4,307	2,183
36	Total Service Charge Revenue Necessary (\$1,00		\$21,131	\$930	\$547
37	Annual Cost per Meter Equivalent		\$240.30	\$215.91	\$250.42
38	Monthly Meter Equivalent Cost		\$20.03	\$17.99	\$20.87

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER

Wkpr: 123
 SAC Workpaper 108

Line Number	Description	Water & RFS Meter Sizes	Sacramento	Larkfield	Meadowbrook
			Conservation Rates	Conservation Rates	Conservation Rates
			Attrition Year 2023	Attrition Year 2023	Attrition Year 2023
			1560	1561	RS350
	SERVICE CHARGE RATE BY METER SIZE				
39		0"	\$20.03	\$17.99	\$20.87
40		5/8 x 3/4"	\$20.03	\$17.99	\$20.87
41		3/4"	\$30.04	\$26.99	\$31.30
42		1"	\$50.06	\$44.98	\$52.17
43		1-1/2"	\$100.13	\$89.96	\$104.34
44		2"	\$160.20	\$143.94	\$166.95
45		3"	\$300.38	\$269.89	\$313.02
46		4"	\$500.63	\$449.81	\$521.71
47		6"	\$1,001.27	\$899.62	\$1,043.41
48		8"	\$1,602.03	\$1,439.39	\$1,669.46
49		10"	\$2,302.91	\$2,069.13	\$2,399.84
	PROOF OF SERVICE CHARGE REVENUES				
50		0"	\$0	\$0	\$0
51		5/8 x 3/4"	\$12,881,741	\$297,091	\$400,169
52		3/4"	\$545,370	\$81,290	\$0
53		1"	\$1,421,399	\$85,284	\$54,466
54		1-1/2"	\$974,433	\$215,909	\$2,504
55		2"	\$3,748,744	\$65,636	\$18,030
56		3"	\$57,673	\$12,955	\$15,025
57		4"	\$480,608	\$21,591	\$56,344
58		6"	\$276,350	\$10,795	\$0
59		8"	\$153,795	\$0	\$0
60		10"	\$27,635	\$0	\$0
61			\$21,130,420	\$929,813	\$546,538
62	variance		\$0	\$0	\$0
63	% variance		0.00%	-0.01%	-0.02%

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER

Wkpr: 124
 SAC Workpaper 109

Line Number	Description	Water & RFS Meter Sizes	Sacramento	Larkfield	Meadowbrook
			Conservation Rates	Conservation Rates	Conservation Rates
			Attrition Year 2023	Attrition Year 2023	Attrition Year 2023
			1560	1561	RS350
1	Customers by Meter Size				
2			0	0	0
3		5/8 x 3/4" RES to 1" RES MFS	1,338	172	0
4		5/8 x 3/4" RES to 1-1/2" RES MFS	0	0	0
5		5/8 x 3/4" RES to 2" RES MFS	0	0	0
6		3/4" RES to 1" RES MFS	0	172	0
7		3/4" RES to 1-1/2" RES MFS	0	0	0
8		3/4" RES to 2" RES MFS	0	0	0
9		1" RES to 1-1/2" RES MFS	0	0	0
10		1" RES to 2" RES MFS	0	0	0
11		1-1/2" RES to 2" RES MFS	0	0	0
12					
13	TOTAL Average Customers		1,338	344	0
14					
15	Meter Equivalents by Meter Size				
16		0	0.0	0.0	0.0
17		5/8 x 3/4" RES to 1" RES MFS	1.8	1.8	1.8
18		5/8 x 3/4" RES to 1-1/2" RES MFS	3.0	3.0	3.0
19		5/8 x 3/4" RES to 2" RES MFS	4.5	4.5	4.5
20		3/4" RES to 1" RES MFS	2.0	2.0	2.0
21		3/4" RES to 1-1/2" RES MFS	3.3	3.3	3.3
22		3/4" RES to 2" RES MFS	4.8	4.8	4.8
23		1" RES to 1-1/2" RES MFS	3.8	3.8	3.8
24		1" RES to 2" RES MFS	5.3	5.3	5.3
25		1-1/2" RES to 2" RES MFS	6.5	6.5	6.5
26		0	0.0	0.0	0.0
27					
28	Total Meter Equivalents				
29		0	0	0	0
30		5/8 x 3/4" RES to 1" RES MFS	2,342	301	0
31		5/8 x 3/4" RES to 1-1/2" RES MFS	0	0	0
32		5/8 x 3/4" RES to 2" RES MFS	0	0	0
33		3/4" RES to 1" RES MFS	0	344	0
34		3/4" RES to 1-1/2" RES MFS	0	0	0
35		3/4" RES to 2" RES MFS	0	0	0
36		1" RES to 1-1/2" RES MFS	0	0	0
37		1" RES to 2" RES MFS	0	0	0
38		1-1/2" RES to 2" RES MFS	0	0	0
39		0	0	0	0
40	TOTAL		2,342	645	0
41					
42					
43					
44	Monthly Meter Equivalent Cost		20	18	21
45					

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER

Wkpr: 124
 SAC Workpaper 109

Line Number	Description	Water & RFS Meter Sizes	Sacramento	Larkfield	Meadowbrook
			Conservation Rates	Conservation Rates	Conservation Rates
			Attrition Year 2023	Attrition Year 2023	Attrition Year 2023
			1560	1561	RS350
46	<u>SERVICE CHARGE RATE BY METER SIZE</u>				
47		0	\$0.00	\$0.00	\$0.00
48		5/8 x 3/4" RES to 1" RES MFS	\$35.04	\$31.49	\$36.52
49		5/8 x 3/4" RES to 1-1/2" RES MFS	\$60.08	\$53.98	\$62.60
50		5/8 x 3/4" RES to 2" RES MFS	\$90.11	\$80.97	\$93.91
51		3/4" RES to 1" RES MFS	\$40.05	\$35.98	\$41.74
52		3/4" RES to 1-1/2" RES MFS	\$65.08	\$58.48	\$67.82
53		3/4" RES to 2" RES MFS	\$95.12	\$85.46	\$99.12
54		1" RES to 1-1/2" RES MFS	\$75.10	\$67.47	\$78.26
55		1" RES to 2" RES MFS	\$105.13	\$94.46	\$109.56
56		1-1/2" RES to 2" RES MFS	\$130.16	\$116.95	\$135.64
57		0	\$0.00	\$0.00	\$0.00
58					
59	<u>PROOF OF SERVICE CHARGE REVENUES</u>				
60		0	\$0	\$0	\$0
61		5/8 x 3/4" RES to 1" RES MFS	\$562,672	\$64,989	\$0
62		5/8 x 3/4" RES to 1-1/2" RES MFS	\$0	\$0	\$0
63		5/8 x 3/4" RES to 2" RES MFS	\$0	\$0	\$0
64		3/4" RES to 1" RES MFS	\$0	\$74,273	\$0
65		3/4" RES to 1-1/2" RES MFS	\$0	\$0	\$0
66		3/4" RES to 2" RES MFS	\$0	\$0	\$0
67		1" RES to 1-1/2" RES MFS	\$0	\$0	\$0
68		1" RES to 2" RES MFS	\$0	\$0	\$0
69		1-1/2" RES to 2" RES MFS	\$0	\$0	\$0
70		0	\$0	\$0	\$0
71					
72			\$562,672	\$139,262	\$0

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER

RS753

Wkpr: 125
 SAC Workpaper 110

Line Number		Sacramento	Larkfield	Meadowbrook
		Conservation Rates	Conservation Rates	Conservation Rates
		Attrition Year	Attrition Year	Attrition Year
		2023	2023	2023
		1560	1561	RS350
1	SQR under Conservation Rates	3.89	6.45	1.97
2	Annual Residential Sales (CCF)	7,505	211	329
3	Residential Revenue Requirement	\$29,202	\$1,363	\$649
4	Residential Rev Req Per Proof	\$29,202	\$1,363	\$649
5	Residential Variance	(\$1)	(\$0)	\$0
6	% Variance	0.00%	0.00%	0.00%
7				
8	Breakpoints (Monthly) ^{5,11}			
9	<u>Tier 1</u>			
10	Breakpoint 1 (ccf)	6	5	10
11	Water at Tier 1 Rate	65.00%	50.90%	51.70%
12	Cumulative water	N/A	N/A	N/A
13				
14	<u>Tier 2</u>			
15	Breakpoint 2 (hcf)	11	18	19
16	Water at Tier 2 Rate	22.00%	40.00%	25.70%
17	Cumulative water	87.00%	90.90%	77.40%
18				
19	<u>Tier 3</u>			
20	Breakpoint 3 (hcf)	0	25	0
21	Water at Tier 3 Rate	13.00%	4.80%	22.60%
22	Cumulative water	100.00%	95.70%	100.00%
23				

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER

RS753

Wkpr: 125
 SAC Workpaper 110

Line Number		Sacramento	Larkfield	Meadowbrook
		Conservation Rates	Conservation Rates	Conservation Rates
		Attrition Year	Attrition Year	Attrition Year
		2023	2023	2023
		1560	1561	RS350
24	<u>Tier 4</u>			
25	Breakpoint 4 (hcf)			
26	Water at Tier 4 Rate	0.00%	4.30%	0.00%
27	Cumulative water	100.00%	100.00%	100.00%
28				
29				
30				
31				
32	Rates⁵			
33	<u>Tier 1</u>			
34	Rate per hcf ^{7,8}	\$3.3379	\$6.1903	\$1.8734
35	% of SQR	85.78%	96.00%	95.00%
36	Revenue within tier	55.76%	48.86%	49.12%
37	Cumulative revenue			
38	<u>Tier 2</u>			
39	Rate per hcf	\$4.4749	\$6.4482	\$1.9720
40	% of SQR	115.00%	100.00%	100.00%
41	Revenue within tier	25.30%	40.00%	25.70%
42	Cumulative revenue	81.06%	88.86%	74.82%

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER

RS753

Wkpr: 125
 SAC Workpaper 110

Line Number		Sacramento	Larkfield	Meadowbrook
		Conservation Rates	Conservation Rates	Conservation Rates
		Attrition Year	Attrition Year	Attrition Year
		2023	2023	2023
		1560	1561	RS350
43	<u>Tier 3</u>			
44	Rate per hcf	\$5.6695	\$7.4154	\$2.1978
45	% of SQR	145.70%	115.00%	111.45%
46	Revenue within tier	18.94%	5.52%	25.19%
47	Cumulative revenue	100.00%	94.38%	100.00%
48	<u>Tier 4</u>			
49	Rate per hcf	\$0.0000	\$8.4149	\$0.0000
50	% of SQR	0.00%	130.50%	0.00%
51	Revenue within tier ⁶ (<10%)	0.00%	5.61%	0.00%
52	Cumulative revenue	100.00%	100.00%	100.00%
53				
54				
55	OUTPUT			
56	1 \$	\$3.3379	\$6.1903	\$1.8734
57	2 \$	\$4.4749	\$6.4482	\$1.9720
58	3 \$	\$5.6695	\$7.4154	\$2.1978
59	4 \$	\$0.0000	\$8.4149	\$0.0000
60	5 \$	\$0.0000	\$0.0000	\$0.0000
61	NRES \$	\$3.8912	\$6.4482	\$1.9720

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**CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER**

Wkpr: 126
 SAC Workpaper 111

SACRAMENTO SERVICE AREA

Ln. No.	Customer Class	QTY RATE	Total Consumption	Total Revenues
	METERED CONSUMPTION	CCF		
	Residential			
1	Tier 1	\$ 3.3379	4,878,037	16,282,261
2	Tier 2	\$ 4.4749	1,651,028	7,388,152
3	Tier 3	\$ 5.6695	975,607	5,531,186
4	Total Residential		7,504,673	29,201,600
5	Commercial	3.8912	3,976,270	15,472,462
6	Public Authority	3.8912	897,650	3,492,936
7	Industrial	3.8912	292,161	1,136,857
8	CONSUMPTION REVENUES		5,166,081	49,303,854
9	SERVICE CHARGE REVENUES			21,130,420
10	OTHER REVENUE			498,509
11	PRIVATE FIRE REVENUE			608,299
12			Total Customer Revenue	71,541,082
13			Check to 2023 Rev Req't	71,542,341
14			Over/(Under)	(1,259)
15			% Difference	0.00%

California American Water
Rate and Revenue Comparison
NORTHERN DIVISION - Larkfield District

LKD Workpaper 100

Line No.	Description	2023 STEP RATE			ACAM ADJUSTED			VARIANCE			
		Schedule No. ND-1		Schedule No. CA-CAP	Schedule No. ND-1		Schedule No. CA-CAP	RATES PER 100 GAL (CGL) \$	RATES PER 100 GAL (CGL) %		
		CURRENT RATES Per 100 CF	CURRENT RATES PER 100 GAL (CGL)	CURRENT RATES PER 100 GAL (CGL)	ACAM NEW RATES Per 100 CF	ACAM NEW RATES PER 100 GAL (CGL)	ACAM NEW RATES PER 100 GAL (CGL)				
Quantity Rates											
<u>Residential Customers</u>											
1	For the first 37.4 CGL	\$6.1903	\$0.8275	\$0.6620	0.20	\$7.1457	\$0.9552	\$0.7642	0.20	\$0.1277	15.4%
2	For the next 97.5 CGL	\$6.4482	\$0.8620	\$0.6896	0.20	\$7.4434	\$0.9950	\$0.7960	0.20	\$0.1330	15.4%
3	For the next 55.5 CGL	\$7.4154	\$0.9913	\$0.9913		\$8.5599	\$1.1443	\$1.1443		\$0.1530	15.4%
4	For all water delivered over 190.4 CGL	\$8.4149	\$1.1249	\$1.1249		\$9.7136	\$1.2985	\$1.2985		\$0.1736	15.4%
<u>All Other Customers</u>											
5	For all water delivered per CGL	\$6.4482	\$0.8620			\$7.4434	\$0.9950			\$0.1330	15.4%

Line No.	Customer Class	CURRENT RATES	CURRENT ADOPTED CONSUMPTION	CONSUMPTION REVENUE	ACAM NEW RATES	ACAM ADJUSTED CONSUMPTION	CONSUMPTION REVENUE	CONSUMPTION REVENUE \$	CONSUMPTION REVENUE %
		Per CCF			Per CCF				
Quantity Revenue									
<u>Residential Customers</u>									
1	Tier 1	\$6.1903	107,573	665,903	\$7.1457	92,233	659,064	-\$6,839	-1.0%
2	Tier 2	\$6.4482	84,536	545,108	\$7.4434	72,481	539,509	-\$5,599	-1.0%
3	Tier 3	\$7.4154	10,144	75,225	\$8.5599	8,698	74,452	-\$773	-1.0%
4	Tier 4	\$8.4149	9,088	76,472	\$9.7136	7,792	75,686	-\$786	-1.0%
5	Total Residential		211,341	1,362,708		181,204	1,348,711	-\$13,997	-1.0%
<u>Non Residential</u>									
7	Non Residential	\$6.4482	125,157	807,037	\$7.4434	110,306	821,052	\$14,015	1.7%
8	Total		336,498	2,169,745		291,510	2,169,763	\$18	0.0%

APPENDIX A: LIST OF CUSTOMER CLASSIFICATIONS SUBJECT TO ANNUAL TRUE-UP PROCESS

By Customer Class

Residential (including low income)¹

Commercial

Public Authority

Industrial

By System

Larkfield District

Customer Classes/Systems not Subject to the CAM

Construction

Other Special Use

¹ Low income customers are included as they are billed at regular rates for revenue requirement purposes with the discount applied

CALIFORNIA AMERICAN WATER COMPANY
NORTHERN DIVISION - LARKFIELD DISTRICT
APPENDIX B: CONSUMPTION ADJUSTMENT MECHANISM (CAM) - ALL DATA

Note: Based on Actual October 1, 2021 through September 30, 2022 recorded data

Single Family Residential Consumption by Tier⁽¹⁾⁽²⁾

	ccf	Adopted Calendar Yr 2022	Recorded 10/1/21 - 9/30/22	% Change	Source:
Tier 1		107,573	92,233	-14.3%	Adopted Consumption is from 2019 GRC
Tier 2		84,536	72,481	-14.3%	
Tier 3		10,144	8,698	-14.3%	
Tier 4		9,088	7,792	-14.3%	
Total		211,341	181,204	-14.3%	

Commercial Consumption

	ccf	Adopted Calendar Yr 2022	Recorded 10/1/21 - 9/30/22	% Change	Source:
Total		121,889	108,324	-11.1%	Adopted Consumption is from 2019 GRC

Industrial Consumption

	ccf	Adopted Calendar Yr 2022	Recorded 10/1/21 - 9/30/22	% Change	Source:
Total		0	0	0.0%	Adopted Consumption is from 2019 GRC

Public Authority Consumption

	ccf	Adopted Calendar Yr 2022	Recorded 10/1/21 - 9/30/22	% Change	Source:
Total		3,268	1,982	-39.4%	Adopted Consumption is from 2019 GRC

System Total	336,498	291,510	-13.4%
	0	-	

1) Includes low income

2) This is actual recorded data for the period and has been adjusted to correspond to the necessary data by block adopted by the new rate design approved in D.21-11-018

Note: Based on Actual October 1, 2021 through September 30, 2022 recorded data

Single Family Residential Consumption by Tier(1)(2)

Larkfield

	Recorded
ccf	10/1/21 - 9/30/22
Tier 1	92,233
Tier 2	72,481
Tier 3	8,698
Tier 4	7,792
Total	181,204

Commercial Consumption

	Recorded
ccf	10/1/20 - 9/30/21
Total	108,324

Industrial Consumption

	Recorded
ccf	10/1/20 - 9/30/21
Total	

Public Authority Consumption

	Recorded
ccf	10/1/20 - 9/30/21
Total	1,982

System Total⁽²⁾	291,510
-----------------------------------	----------------

1) Includes low income

2) This is actual recorded data for the period and has been adjusted to correspond to the necessary data by block adopted by the new rate design approved in D.21-11-018

**CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 ACAM ADJUSTED**

LKD Workpaper 104

		Larkfield
		Attrition Year
		2023
Line Number	Description	1561
1	Total Revenue Requirement	3,100
2	Other Revenues	
<hr/>		
3	Total Water Service Revenue Requirement	3,100
4	Revenue recovered from RFSS (Residential Fire Sprinkler System)	0
5	Revenue recovered from Private Fire	
6	Total other revenues	0
7	Revenues to be collected from metered customers	3,100
<u>Calculation of Standard Rates</u>		
8	50% of revenue requirement - Allowed Service Charge Revenue	1,550
9	Remaining 50% of Revenue Requirement To be Recovered in Quantity Rates	1,550
10	Total Water Sales -General Metered Service	292
11	Standard Quantity Rates (Per CCFS)	5.3167

**CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 ACAM ADJUSTED**

LKD Workpaper 104

		Larkfield
		Attrition Year
		2023
Line Number	Description	1561
<u>Calculation of Conservation Rates</u>		
12	To Be Recovered From Service Charges	30%
13	Revenue To Be Recovered From Service Charges	930
14	Revenue To Be Recovered From Quantity Charges	2,170
15	Total Water Sales -General Metered Service	292
16	Conservation Quantinty Rates (Per CCFS)	7.4434

**CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 ACAM ADJUSTED**

			Larkfield
			Conservation Rates
			Attrition Year
			2023
Line Number			1561
1	SQR under Conservation Rates		7.4434
2	Annual Residential Sales (CCF)		181
3	Residential Revenue Requirement		\$1,349
4	Residential Rev Req Per Proof		\$1,349
5	Residential Variance		(\$0)
6	% Variance		0.00%
7			
8	Breakpoints (Monthly) ^{5, 11}		
9	<u>Tier 1</u>		
10	Breakpoint 1 (ccf)		5
11	Water at Tier 1 Rate		50.90%
12	Cumulative water		N/A
13			
14	<u>Tier 2</u>		
15	Breakpoint 2 (hcf)		18
16	Water at Tier 2 Rate		40.00%
17	Cumulative water		90.90%
18			
19	<u>Tier 3</u>		
20	Breakpoint 3 (hcf)		25
21	Water at Tier 3 Rate		4.80%
22	Cumulative water		95.70%
23			

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 ACAM ADJUSTED

LKD Workpaper 105

Larkfield
Conservation Rates
Attrition Year
2023

Line Number		1561
24	<u>Tier 4</u>	
25	Breakpoint 4 (hcf)	
26	Water at Tier 4 Rate	4.30%
27	Cumulative water	100.00%
28		
29		
30		
31		
32	Rates ⁵	
33	<u>Tier 1</u>	
34	Rate per hcf ^{7,8}	\$7.1457
35	% of SQR	96.00%
36	Revenue within tier	48.86%
37	Cumulative revenue	
38	<u>Tier 2</u>	
39	Rate per hcf	\$7.4434
40	% of SQR	100.00%
41	Revenue within tier	40.00%
42	Cumulative revenue	88.86%

**CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 ACAM ADJUSTED**

LKD Workpaper 105

**Larkfield
 Conservation Rates
 Attrition Year
 2023**

Line Number		1561
43	<u>Tier 3</u>	
44	Rate per hcf	\$8.5599
45	% of SQR	115.00%
46	Revenue within tier	5.52%
47	Cumulative revenue	94.38%
48	<u>Tier 4</u>	
49	Rate per hcf	\$9.7136
50	% of SQR	130.50%
51	Revenue within tier ⁶ (<10%)	5.61%
52	Cumulative revenue	100.00%
53		

54

55

OUTPUT			
56	1	\$	\$7.1457
57	2	\$	\$7.4434
58	3	\$	\$8.5599
59	4	\$	\$9.7136
60	5	\$	\$0.0000
61	NRES	\$	\$7.4434

**CALIFORNIA-AMERICAN WATER COMPANY
NORTHERN DIVISION
REVENUE CALCULATION AT PROPOSED RATES
ACAM ADJUSTED**

LKD Workpaper 106

LARKFIELD SERVICE AREA

Ln. No.	Customer Class	QTY RATE	Total Consumption	Total Revenues
	METERED CONSUMPTION	CCF		
	Residential			
16	Tier 1	\$ 7.1457	92,233	659,064
17	Tier 2	\$ 7.4434	72,481	539,509
18	Tier 3	\$ 8.5599	8,698	74,452
19	Tier 4	\$ 9.7136	7,792	75,686
20	Total Residential		181,204	1,348,711
21	Commercial	\$ 7.4434	108,324	806,301
22	Public Authority	\$ 7.4434	1,982	14,752
23	CONSUMPTION REVENUES		291,510	2,169,763
24	SERVICE CHARGE REVENUES			929,813
25	OTHER REVENUE			-
26	PRIVATE FIRE REVENUE			-
27			Total Customer Revenue	3,099,576
28			Check to 2023 Rev Req't	3,099,736
29			Over/(Under)	(160)
30			% Difference	-0.01%

**CALIFORNIA-AMERICAN WATER COMPANY
NORTHERN DIVISION
REVENUE CALCULATION AT PROPOSED RATES
2023 STEP RATE WORKPAPER**

Wkpr: 119
LKD Workpaper 107

		Sacramento	Larkfield	Meadowbrook
		Attrition Year	Attrition Year	Attrition Year
		2023	2023	2023
Line Number	Description	1560	1561	RS350
1	Total Revenue Requirement	71,542	3,100	1,367
2	Other Revenues	499		
<hr/>				
3	Total Water Service Revenue Requirement	71,044	3,100	1,367
4	Revenue recovered from RFSS (Residential Fire Sprinkler System)	0	0	0
5	Revenue recovered from Private Fire	608		
6	Total other revenues	608	0	0
7	Revenues to be collected from metered customers	70,436	3,100	1,367
Calculation of Standard Rates				
8	50% of revenue requirement - Allowed Service Charge Revenue	35,218	1,550	683
9	Remaining 50% of Revenue Requirmenet To be Recovered in Quantinty Rates	35,218	1,550	683
10	Total Water Sales -General Metered Service	12,671	336	416
11	Standard Quantinty Rates (Per CCFS)	2.7795	4.6059	1.6433

**CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER**

Wkpr: 119
 LKD Workpaper 107

		Sacramento	Larkfield	Meadowbrook
		Attrition Year	Attrition Year	Attrition Year
		2023	2023	2023
Line Number	Description	1560	1561	RS350
<u>Calculation of Conservation Rates</u>				
12	To Be Recovered From Service Charges	30%	30%	40%
13	Revenue To Be Recovered From Service Charges	21,131	930	547
14	Revenue To Be Recovered From Quantity Charges	49,305	2,170	820
15	Total Water Sales -General Metered Service	12,671	336	416
16	Conservation Quantinty Rates (Per CCFS)	3.8912	6.4482	1.9720

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER

Wkpr: 123
 LKD Workpaper 108

			Sacramento	Larkfield	Meadowbrook
			Conservation Rates	Conservation Rates	Conservation Rates
			Attrition Year	Attrition Year	Attrition Year
			2023	2023	2023
Line Number	Description	Water & RFS Meter Sizes	1560	1561	RS350
Customers by Meter Size					
1		0"	0	0	0
2		5/8 x 3/4"	53,606	1,376	1,598
3		3/4"	1,513	251	0
4		1"	2,366	158	87
5		1-1/2"	811	200	2
6		2"	1,950	38	9
7		3"	16	4	4
8		4"	80	4	9
9		6"	23	1	0
10		8"	8	0	0
11		10"	1	0	0
12	TOTAL Average Customers		60,374	2,032	1,709
Meter Equivalents by Meter Size					
13		0"	1	1	1
14		5/8 x 3/4"	1	1	1
15		3/4"	1.5	1.5	1.5
16		1"	2.5	2.5	2.5
17		1-1/2"	5	5	5
18		2"	8	8	8
19		3"	15	15	15
20		4"	25	25	25
21		6"	50	50	50
22		8"	80	80	80
23		10"	115	115	115
Total Meter Equivalents					
24		0"	0	0	0
25		5/8 x 3/4"	53,606	1,376	1,598
26		3/4"	2,270	377	0
27		1"	5,915	395	218
28		1-1/2"	4,055	1,000	10
29		2"	15,600	304	72
30		3"	240	60	60
31		4"	2,000	100	225
32		6"	1,150	50	0
33		8"	640	0	0
34		10"	115	0	0
35	TOTAL		87,933	4,307	2,183
36	Total Service Charge Revenue Necessary (\$1,000)		\$21,131	\$930	\$547
37	Annual Cost per Meter Equivalent		\$240.30	\$215.91	\$250.42
38	Monthly Meter Equivalent Cost		\$20.03	\$17.99	\$20.87

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER

Wkpr: 123
 LKD Workpaper 108

			Sacramento	Larkfield	Meadowbrook
			Conservation Rates	Conservation Rates	Conservation Rates
			Attrition Year	Attrition Year	Attrition Year
			2023	2023	2023
Line Number	Description	Water & RFS Meter Sizes	1560	1561	RS350
<u>SERVICE CHARGE RATE BY METER SIZE</u>					
39		0"	\$20.03	\$17.99	\$20.87
40		5/8 x 3/4"	\$20.03	\$17.99	\$20.87
41		3/4"	\$30.04	\$26.99	\$31.30
42		1"	\$50.06	\$44.98	\$52.17
43		1-1/2"	\$100.13	\$89.96	\$104.34
44		2"	\$160.20	\$143.94	\$166.95
45		3"	\$300.38	\$269.89	\$313.02
46		4"	\$500.63	\$449.81	\$521.71
47		6"	\$1,001.27	\$899.62	\$1,043.41
48		8"	\$1,602.03	\$1,439.39	\$1,669.46
49		10"	\$2,302.91	\$2,069.13	\$2,399.84
<u>PROOF OF SERVICE CHARGE REVENUES</u>					
50		0"	\$0	\$0	\$0
51		5/8 x 3/4"	\$12,881,741	\$297,091	\$400,169
52		3/4"	\$545,370	\$81,290	\$0
53		1"	\$1,421,399	\$85,284	\$54,466
54		1-1/2"	\$974,433	\$215,909	\$2,504
55		2"	\$3,748,744	\$65,636	\$18,030
56		3"	\$57,673	\$12,955	\$15,025
57		4"	\$480,608	\$21,591	\$56,344
58		6"	\$276,350	\$10,795	\$0
59		8"	\$153,795	\$0	\$0
60		10"	\$27,635	\$0	\$0
61			\$21,130,420	\$929,813	\$546,538
62	variance		\$0	\$0	\$0
63	% variance		0.00%	-0.01%	-0.02%

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER

Wkpr: 124
 LKD Workpaper 109

Line Number	Description	Water & RFS Meter Sizes	Sacramento	Larkfield	Meadowbrook
			Conservation Rates	Conservation Rates	Conservation Rates
			Attrition Year	Attrition Year	Attrition Year
			2023	2023	2023
1	Customers by Meter Size		1560	1561	RS350
2			0	0	0
3		5/8 x 3/4" RES to 1" RES MFS	1,338	172	0
4		5/8 x 3/4" RES to 1-1/2" RES MFS	0	0	0
5		5/8 x 3/4" RES to 2" RES MFS	0	0	0
6		3/4" RES to 1" RES MFS	0	172	0
7		3/4" RES to 1-1/2" RES MFS	0	0	0
8		3/4" RES to 2" RES MFS	0	0	0
9		1" RES to 1-1/2" RES MFS	0	0	0
10		1" RES to 2" RES MFS	0	0	0
11		1-1/2" RES to 2" RES MFS	0	0	0
12					
13	TOTAL Average Customers		1,338	344	0
14					
15	Meter Equivalents by Meter Size				
16		0	0.0	0.0	0.0
17		5/8 x 3/4" RES to 1" RES MFS	1.8	1.8	1.8
18		5/8 x 3/4" RES to 1-1/2" RES MFS	3.0	3.0	3.0
19		5/8 x 3/4" RES to 2" RES MFS	4.5	4.5	4.5
20		3/4" RES to 1" RES MFS	2.0	2.0	2.0
21		3/4" RES to 1-1/2" RES MFS	3.3	3.3	3.3
22		3/4" RES to 2" RES MFS	4.8	4.8	4.8
23		1" RES to 1-1/2" RES MFS	3.8	3.8	3.8
24		1" RES to 2" RES MFS	5.3	5.3	5.3
25		1-1/2" RES to 2" RES MFS	6.5	6.5	6.5
26		0	0.0	0.0	0.0
27					
28	Total Meter Equivalents				
29		0	0	0	0
30		5/8 x 3/4" RES to 1" RES MFS	2,342	301	0
31		5/8 x 3/4" RES to 1-1/2" RES MFS	0	0	0
32		5/8 x 3/4" RES to 2" RES MFS	0	0	0
33		3/4" RES to 1" RES MFS	0	344	0
34		3/4" RES to 1-1/2" RES MFS	0	0	0
35		3/4" RES to 2" RES MFS	0	0	0
36		1" RES to 1-1/2" RES MFS	0	0	0
37		1" RES to 2" RES MFS	0	0	0
38		1-1/2" RES to 2" RES MFS	0	0	0
39		0	0	0	0
40	TOTAL		2,342	645	0
41					
42					
43					
44	Monthly Meter Equivalent Cost		20	18	21
45					
46	<u>SERVICE CHARGE RATE BY METER SIZE</u>				
47		0	\$0.00	\$0.00	\$0.00
48		5/8 x 3/4" RES to 1" RES MFS	\$35.04	\$31.49	\$36.52
49		5/8 x 3/4" RES to 1-1/2" RES MFS	\$60.08	\$53.98	\$62.60
50		5/8 x 3/4" RES to 2" RES MFS	\$90.11	\$80.97	\$93.91
51		3/4" RES to 1" RES MFS	\$40.05	\$35.98	\$41.74
52		3/4" RES to 1-1/2" RES MFS	\$65.08	\$58.48	\$67.82
53		3/4" RES to 2" RES MFS	\$95.12	\$85.46	\$99.12
54		1" RES to 1-1/2" RES MFS	\$75.10	\$67.47	\$78.26
55		1" RES to 2" RES MFS	\$105.13	\$94.46	\$109.56
56		1-1/2" RES to 2" RES MFS	\$130.16	\$116.95	\$135.64
57		0	\$0.00	\$0.00	\$0.00
58					

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER

Wkpr: 124
 LKD Workpaper 109

Line Number	Description	Water & RFS Meter Sizes	Sacramento	Larkfield	Meadowbrook
			Conservation Rates	Conservation Rates	Conservation Rates
			Attrition Year	Attrition Year	Attrition Year
			2023	2023	2023
59	PROOF OF SERVICE CHARGE REVENUES		1560	1561	RS350
60		0	\$0	\$0	\$0
61		5/8 x 3/4" RES to 1" RES MFS	\$562,672	\$64,989	\$0
62		5/8 x 3/4" RES to 1-1/2" RES MFS	\$0	\$0	\$0
63		5/8 x 3/4" RES to 2" RES MFS	\$0	\$0	\$0
64		3/4" RES to 1" RES MFS	\$0	\$74,273	\$0
65		3/4" RES to 1-1/2" RES MFS	\$0	\$0	\$0
66		3/4" RES to 2" RES MFS	\$0	\$0	\$0
67		1" RES to 1-1/2" RES MFS	\$0	\$0	\$0
68		1" RES to 2" RES MFS	\$0	\$0	\$0
69		1-1/2" RES to 2" RES MFS	\$0	\$0	\$0
70		0	\$0	\$0	\$0
71					
72			\$562,672	\$139,262	\$0

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER

RS753

Wkpr: 125
 LKD Workpaper 110

Line Number		Sacramento	Larkfield	Meadowbrook
		Conservation Rates	Conservation Rates	Conservation Rates
		Attrition Year 2023	Attrition Year 2023	Attrition Year 2023
		1560	1561	RS350
1	SQR under Conservation Rates	3.89	6.45	1.97
2	Annual Residential Sales (CCF)	7,505	211	329
3	Residential Revenue Requirement	\$29,202	\$1,363	\$649
4	Residential Rev Req Per Proof	\$29,201.60	\$1,363	\$649
5	Residential Variance	(\$1)	(\$0)	\$0
6	% Variance	0.00%	0.00%	0.00%
7				
8	Breakpoints (Monthly) ^{5,11}			
9	<u>Tier 1</u>			
10	Breakpoint 1 (ccf)	6	5	10
11	Water at Tier 1 Rate	65.00%	50.90%	51.70%
12	Cumulative water	N/A	N/A	N/A
13				
14	<u>Tier 2</u>			
15	Breakpoint 2 (hcf)	11	18	19
16	Water at Tier 2 Rate	22.00%	40.00%	25.70%
17	Cumulative water	87.00%	90.90%	77.40%
18				
19	<u>Tier 3</u>			
20	Breakpoint 3 (hcf)	0	25	0
21	Water at Tier 3 Rate	13.00%	4.80%	22.60%
22	Cumulative water	100.00%	95.70%	100.00%
23				

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER

RS753

Wkpr: 125
 LKD Workpaper 110

Line Number		Sacramento	Larkfield	Meadowbrook
		Conservation Rates	Conservation Rates	Conservation Rates
		Attrition Year 2023	Attrition Year 2023	Attrition Year 2023
		1560	1561	RS350
24	<u>Tier 4</u>			
25	Breakpoint 4 (hcf)			
26	Water at Tier 4 Rate	0.00%	4.30%	0.00%
27	Cumulative water	100.00%	100.00%	100.00%
28				
29				
30				
31				
32	Rates ⁵			
33	<u>Tier 1</u>			
34	Rate per hcf ^{7,8}	\$3.3379	\$6.1903	\$1.8734
35	% of SQR	85.78%	96.00%	95.00%
36	Revenue within tier	55.76%	48.86%	49.12%
37	Cumulative revenue			
38	<u>Tier 2</u>			
39	Rate per hcf	\$4.4749	\$6.4482	\$1.9720
40	% of SQR	115.00%	100.00%	100.00%
41	Revenue within tier	25.30%	40.00%	25.70%
42	Cumulative revenue	81.06%	88.86%	74.82%

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER

RS753

Wkpr: 125
 LKD Workpaper 110

		Sacramento	Larkfield	Meadowbrook
		Conservation Rates	Conservation Rates	Conservation Rates
		Attrition Year	Attrition Year	Attrition Year
		2023	2023	2023
Line Number		1560	1561	RS350
43	<u>Tier 3</u>			
44	Rate per hcf	\$5.6695	\$7.4154	\$2.1978
45	% of SQR	145.70%	115.00%	111.45%
46	Revenue within tier	18.94%	5.52%	25.19%
47	Cumulative revenue	100.00%	94.38%	100.00%
48	<u>Tier 4</u>			
49	Rate per hcf	\$0.0000	\$8.4149	\$0.0000
50	% of SQR	0.00%	130.50%	0.00%
51	Revenue within tier ⁶ (<10%)	0.00%	5.61%	0.00%
52	Cumulative revenue	100.00%	100.00%	100.00%
53				
54				
55	OUTPUT			
56	1 \$	\$3.3379	\$6.1903	\$1.8734
57	2 \$	\$4.4749	\$6.4482	\$1.9720
58	3 \$	\$5.6695	\$7.4154	\$2.1978
59	4 \$	\$0.0000	\$8.4149	\$0.0000
60	5 \$	\$0.0000	\$0.0000	\$0.0000
61	NRES \$	\$3.8912	\$6.4482	\$1.9720

**CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER**

**Wkpr: 126
 LKD Workpaper 111**

LARKFIELD SERVICE AREA

Ln. No.	Customer Class	QTY RATE	Total Consumption	Total Revenues
	METERED CONSUMPTION	CCF		
	Residential			
16	Tier 1	\$ 6.1903	107,573	665,903
17	Tier 2	\$ 6.4482	84,536	545,108
18	Tier 3	\$ 7.4154	10,144	75,225
19	Tier 4	\$ 8.4149	9,088	76,472
20	Total Residential		211,341	1,362,708
21	Commercial	\$ 6.4482	121,889	785,965
22	Public Authority	\$ 6.4482	3,268	21,073
23	CONSUMPTION REVENUES		125,157	2,169,745
24	SERVICE CHARGE REVENUES			929,813
25	OTHER REVENUE			-
26	PRIVATE FIRE REVENUE			-
27			Total Customer Revenue	3,099,558
28			Check to 2023 Rev Req't	3,099,736
29			Over/(Under)	(178)
30			% Difference	-0.01%

California American Water
Rate and Revenue Comparison
NORTHERN DIVISION - Meadowbrook

		2023 Step Rate			ACAM ADJUSTED			VARIANCE			
		Schedule No. ND-1	Schedule No. CA-CAP		Schedule No. ND-1	Schedule No. CA-CAP					
Line No.	Description	CURRENT RATES Per 100 CF	CURRENT RATES PER 100 GAL (CGL)	CURRENT RATES PER 100 GAL (CGL)	ACAM NEW RATES Per 100 CF	ACAM NEW RATES PER 100 GAL (CGL)	ACAM NEW RATES PER 100 GAL (CGL)	RATES PER 100 GAL (CGL) \$	RATES PER 100 GAL (CGL) %		
Quantity Rates											
<u>Residential Customers</u>											
1	For the first 34 CGL	\$1.8734	\$0.2504	\$0.2003	0.20	\$1.9510	\$0.2608	\$0.2087	0.20	\$0.0104	4.1%
2	For the next 24 CGL	\$1.9720	\$0.2636	\$0.2109	0.20	\$2.0537	\$0.2745	\$0.2196	0.20	\$0.0109	4.1%
3	For all water delivered over 58 CGL	\$2.1978	\$0.2938	\$0.2938		\$2.2888	\$0.3060	\$0.3060		\$0.0122	4.1%
<u>All Other Customers</u>											
4	For all water delivered per CGL	\$1.9720	\$0.2636			\$2.0537	\$0.2745			\$0.0109	4.1%
Quantity Revenue											
Line No.	Customer Class	CURRENT RATES	CURRENT ADOPTED CONSUMPTION	CONSUMPTION REVENUE	ACAM NEW RATES	ACAM ADJUSTED CONSUMPTION	CONSUMPTION REVENUE	CONSUMPTION REVENUE \$	CONSUMPTION REVENUE %		
Per CCF											
<u>1 Residential Customers</u>											
2	Tier 1	\$1.8734	170,080	318,628	\$1.9510	168,788	329,308	\$10,680	3.4%		
3	Tier 2	\$1.9720	84,547	166,726	\$2.0537	83,904	172,314	\$5,588	3.4%		
4	Tier 3	\$2.1978	74,348	163,402	\$2.2888	73,783	168,879	\$5,477	3.4%		
5	Tier 4										
6	Total Residential		328,975	648,756		326,475	670,501	\$21,745	3.4%		
Per CCF											
7	Non Residential	\$1.9720	86,852	171,272	\$2.0537	72,809	149,527	-\$21,745	-12.7%		
8	Total		415,827	820,028		399,284	820,028	\$0	0.0%		

By Customer Class

Residential (including low income)¹

Commercial

Public Authority

Industrial

By System

Meadowbrook Service Area

Customer Classes/Systems not Subject to the CAM

Construction

Other Special Use

¹ Low income customers are included as they are billed at regular rates for revenue requirement purposes with the discount applied

CALIFORNIA AMERICAN WATER COMPANY
NORTHERN DIVISION - MEADOWBROOK SERVICE AREA
APPENDIX B: CONSUMPTION ADJUSTMENT MECHANISM (CAM) - ALL DATA

Note: Based on Actual October 1, 2021 through September 30, 2022 recorded data

Single Family Residential Consumption by Tier⁽¹⁾⁽²⁾

	ccf	Adopted Calendar Yr 2022	Recorded 10/1/21 - 9/30/22	% Change
Tier 1		170,080	168,788	-0.8%
Tier 2		84,547	83,904	-0.8%
Tier 3		74,348	73,783	-0.8%
Tier 4				
Total		328,975	326,475	-0.8%
		-	-	

Source:

Adopted Consumption is from 2019 GRC

Commercial Consumption

	ccf	Adopted Calendar Yr 2022	Recorded 10/1/21 - 9/30/22	% Change
Total		86,852	72,809	-16.2%

Adopted Consumption is from 2019 GRC

Industrial Consumption

	ccf	Adopted Calendar Yr 2022	Recorded 10/1/21 - 9/30/22	% Change
Total		0	0	0.0%

Adopted Consumption is from 2019 GRC

Public Authority Consumption

	ccf	Adopted Calendar Yr 2022	Recorded 10/1/21 - 9/30/22	% Change
Total		0	0	0.0%

Adopted Consumption is from 2019 GRC

System Total		415,827	399,284	-4.0%
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1) Includes low income

2) This is actual recorded data for the period and has been adjusted to correspond to the necessary data by block adopted by the new rate design approved in D.21-11-018

SOUTHERN DIVISION

APPENDIX B: CONSUMPTION ADJUSTMENT MECHANISM (CAM) - ALL DATA

Note: Based on Actual October 1, 2021 through September 30, 2022 recorded data

Single Family Residential Consumption by Tier(1)(2)

Meadowbrook	
ccf	Recorded 10/1/21 - 9/30/22
Tier 1	168,788
Tier 2	83,904
Tier 3	73,783
Tier 4	
Total	326,475

Commercial Consumption

ccf	Recorded 10/1/21 - 9/30/22
Total	72,809

Industrial Consumption

ccf	Recorded 10/1/21 - 9/30/22
Total	

Public Authority Consumption

ccf	Recorded 10/1/21 - 9/30/22
Total	

System Total⁽²⁾	399,284
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1) Includes low income

2) This is actual recorded data for the period and has been adjusted to correspond to the necessary data by block adopted by the new rate design approved in D.21-11-018

**CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 ACAM ADJUSTED**

MDB Workpaper 104

		Meadowbrook Attrition Year 2023
Line Number	Description	RS350
1	Total Revenue Requirement	1,367
2	Other Revenues	
<hr/>		
3	Total Water Service Revenue Requirement	1,367
4	Revenue recovered from RFSS (Residential Fire Sprinkler System)	0
5	Revenue recovered from Private Fire	
6	Total other revenues	0
7	Revenues to be collected from metered customers	1,367
<u>Calculation of Standard Rates</u>		
8	50% of revenue requirement - Allowed Service Charge Revenue	683
9	Remaining 50% of Revenue Requirement To be Recovered in Quantity Rates	683
10	Total Water Sales -General Metered Service	399
11	Standard Quantity Rates (Per CCFS)	1.7114

**CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 ACAM ADJUSTED**

MDB Workpaper 104

		Meadowbrook Attrition Year 2023
Line Number	Description	RS350
<u>Calculation of Conservation Rates</u>		
12	To Be Recovered From Service Charges	40%
13	Revenue To Be Recovered From Service Charges	547
14	Revenue To Be Recovered From Quantity Charges	820
15	Total Water Sales -General Metered Service	399
16	Conservation Quantinty Rates (Per CCFS)	2.0537

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 ACAM ADJUSTED

MDB Workpaper 105

Meadowbrook
 Conservation Rates
 Attrition Year
 2023

Line Number		RS350
1	SQR under Conservation Rates	2.0537
2	Annual Residential Sales (CCF)	326
3	Residential Revenue Requirement	\$670
4	Residential Rev Req Per Proof	\$671
5	Residential Variance	\$0
6	% Variance	0.00%
7		
8	Breakpoints (Monthly) ^{5,11}	
9	<u>Tier 1</u>	
10	Breakpoint 1 (ccf)	10
11	Water at Tier 1 Rate	51.70%
12	Cumulative water	N/A
13		
14	<u>Tier 2</u>	
15	Breakpoint 2 (hcf)	19
16	Water at Tier 2 Rate	25.70%
17	Cumulative water	77.40%
18		
19	<u>Tier 3</u>	
20	Breakpoint 3 (hcf)	0
21	Water at Tier 3 Rate	22.60%
22	Cumulative water	100.00%
23		

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 ACAM ADJUSTED

MDB Workpaper 105

Meadowbrook
 Conservation Rates
 Attrition Year
 2023

Line Number		RS350
24	<u>Tier 4</u>	
25	Breakpoint 4 (hcf)	
26	Water at Tier 4 Rate	0.00%
27	Cumulative water	100.00%
28		
29		
30		
31		
32	Rates ⁵	
33	<u>Tier 1</u>	
34	Rate per hcf ^{7,8}	\$1.9510
35	% of SQR	95.00%
36	Revenue within tier	49.12%
37	Cumulative revenue	
38	<u>Tier 2</u>	
39	Rate per hcf	\$2.0537
40	% of SQR	100.00%
41	Revenue within tier	25.70%
42	Cumulative revenue	74.82%

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 ACAM ADJUSTED

MDB Workpaper 105

Meadowbrook
 Conservation Rates
 Attrition Year
 2023

Line Number			RS350
43	<u>Tier 3</u>		
44		Rate per hcf	\$2.2888
45		% of SQR	111.45%
46		Revenue within tier	25.19%
47		Cumulative revenue	100.00%
48	<u>Tier 4</u>		
49		Rate per hcf	\$0.0000
50		% of SQR	0.00%
51		Revenue within tier ⁶ (<10%)	0.00%
52		Cumulative revenue	100.00%
53			
54			
55	OUTPUT		
56	1	\$	\$1.9510
57	2	\$	\$2.0537
58	3	\$	\$2.2888
59	4	\$	\$0.0000
60	5	\$	\$0.0000
61	NRES	\$	\$2.0537

**CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 ACAM ADJUSTED**

MDB Workpaper 106

MEADOWBROOK SERVICE AREA

Ln. No.	Customer Class	QTY RATE	Total Consumption	Total Revenues
	METERED CONSUMPTION	CCF		
	Residential			
31	Tier 1	\$ 1.9510	168,788	329,308
32	Tier 2	\$ 2.0537	83,904	172,314
33	Tier 3	\$ 2.2888	73,783	168,879
34	Total Residential		326,475	670,501
35	Commercial	\$ 2.0537	72,809	149,527
36	CONSUMPTION REVENUES		399,284	820,028
37	SERVICE CHARGE REVENUES			546,538
38	OTHER REVENUE			-
39	PRIVATE FIRE REVENUE			-
40			Total Customer Revenue	1,366,566
41			Check to 2023 Rev Req't	1,366,659
42			Over/(Under)	(93)
43			% Difference	-0.01%

**CALIFORNIA-AMERICAN WATER COMPANY
NORTHERN DIVISION
REVENUE CALCULATION AT PROPOSED RATES
2023 STEP RATE WORKPAPER**

Wkpr: 119
MDB Workpaper 107

Line Number	Description	Sacramento	Larkfield	Meadowbrook
		Attrition Year 2023	Attrition Year 2023	Attrition Year 2023
		1560	1561	RS350
1	Total Revenue Requirement	71,542	3,100	1,367
2	Other Revenues	499		
3	<hr/> Total Water Service Revenue Requirement	71,044	3,100	1,367
4	Revenue recovered from RFSS (Residential Fire Sprinkler System)	0	0	0
5	Revenue recovered from Private Fire	608		
6	Total other revenues	608	0	0
7	Revenues to be collected from metered customers	70,436	3,100	1,367
8	Calculation of Standard Rates 50% of revenue requirement - Allowed Service Charge Revenue	35,218	1,550	683
9	Remaining 50% of Revenue Requirement To be Recovered in Quantity Rates	35,218	1,550	683
10	Total Water Sales -General Metered Service	12,671	336	416
11	Standard Quantity Rates (Per CCFS)	2.7795	4.6059	1.6433

**CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER**

Wkpr: 119
 MDB Workpaper 107

		Sacramento	Larkfield	Meadowbrook
		Attrition Year	Attrition Year	Attrition Year
		2023	2023	2023
Line Number	Description	1560	1561	RS350

Calculation of Conservation Rates

12	To Be Recovered From Service Charges	30%	30%	40%
13	Revenue To Be Recovered From Service Charges	21,131	930	547
14	Revenue To Be Recovered From Quantity Charges	49,305	2,170	820
15	Total Water Sales -General Metered Service	12,671	336	416
16	Conservation Quantity Rates (Per CCFS)	3.8912	6.4482	1.9720

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER

Wkpr: 123
 MDB Workpaper 108

			Sacramento	Larkfield	Meadowbrook
			Conservation Rates	Conservation Rates	Conservation Rates
			Attrition Year	Attrition Year	Attrition Year
			2023	2023	2023
Line Number	Description	Water & RFS Meter Sizes	1560	1561	RS350
Customers by Meter Size					
1		0"	0	0	0
2		5/8 x 3/4"	53,606	1,376	1,598
3		3/4"	1,513	251	0
4		1"	2,366	158	87
5		1-1/2"	811	200	2
6		2"	1,950	38	9
7		3"	16	4	4
8		4"	80	4	9
9		6"	23	1	0
10		8"	8	0	0
11		10"	1	0	0
12	TOTAL Average Customers		60,374	2,032	1,709
Meter Equivalents by Meter Size					
13		0"	1	1	1
14		5/8 x 3/4"	1	1	1
15		3/4"	1.5	1.5	1.5
16		1"	2.5	2.5	2.5
17		1-1/2"	5	5	5
18		2"	8	8	8
19		3"	15	15	15
20		4"	25	25	25
21		6"	50	50	50
22		8"	80	80	80
23		10"	115	115	115
Total Meter Equivalents					
24		0"	0	0	0
25		5/8 x 3/4"	53,606	1,376	1,598
26		3/4"	2,270	377	0
27		1"	5,915	395	218
28		1-1/2"	4,055	1,000	10
29		2"	15,600	304	72
30		3"	240	60	60
31		4"	2,000	100	225
32		6"	1,150	50	0
33		8"	640	0	0
34		10"	115	0	0
35	TOTAL		87,933	4,307	2,183
36	Total Service Charge Revenue Necessary (\$1,000)		\$21,131	\$930	\$547
37	Annual Cost per Meter Equivalent		\$240.30	\$215.91	\$250.42
38	Monthly Meter Equivalent Cost		\$20.03	\$17.99	\$20.87

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER

Wkpr: 123
 MDB Workpaper 108

			Sacramento	Larkfield	Meadowbrook
			Conservation Rates	Conservation Rates	Conservation Rates
			Attrition Year	Attrition Year	Attrition Year
			2023	2023	2023
Line Number	Description	Water & RFS Meter Sizes	1560	1561	RS350
<u>SERVICE CHARGE RATE BY METER SIZE</u>					
39		0"	\$20.03	\$17.99	\$20.87
40		5/8 x 3/4"	\$20.03	\$17.99	\$20.87
41		3/4"	\$30.04	\$26.99	\$31.30
42		1"	\$50.06	\$44.98	\$52.17
43		1-1/2"	\$100.13	\$89.96	\$104.34
44		2"	\$160.20	\$143.94	\$166.95
45		3"	\$300.38	\$269.89	\$313.02
46		4"	\$500.63	\$449.81	\$521.71
47		6"	\$1,001.27	\$899.62	\$1,043.41
48		8"	\$1,602.03	\$1,439.39	\$1,669.46
49		10"	\$2,302.91	\$2,069.13	\$2,399.84
<u>PROOF OF SERVICE CHARGE REVENUES</u>					
50		0"	\$0	\$0	\$0
51		5/8 x 3/4"	\$12,881,741	\$297,091	\$400,169
52		3/4"	\$545,370	\$81,290	\$0
53		1"	\$1,421,399	\$85,284	\$54,466
54		1-1/2"	\$974,433	\$215,909	\$2,504
55		2"	\$3,748,744	\$65,636	\$18,030
56		3"	\$57,673	\$12,955	\$15,025
57		4"	\$480,608	\$21,591	\$56,344
58		6"	\$276,350	\$10,795	\$0
59		8"	\$153,795	\$0	\$0
60		10"	\$27,635	\$0	\$0
61			\$21,130,420	\$929,813	\$546,538
62	variance		\$0	\$0	\$0
63	% variance		0.00%	-0.01%	-0.02%

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER

Wkpr: 124
 MDB Workpaper 109

			Sacramento	Larkfield	Meadowbrook
			Conservation Rates	Conservation Rates	Conservation Rates
			Attrition Year	Attrition Year	Attrition Year
			2023	2023	2023
Line Number	Description	Water & RFS Meter Sizes	1560	1561	RS350
1	Customers by Meter Size				
2			0	0	0
3		5/8 x 3/4" RES to 1" RES MFS	1,338	172	0
4		5/8 x 3/4" RES to 1-1/2" RES MFS	0	0	0
5		5/8 x 3/4" RES to 2" RES MFS	0	0	0
6		3/4" RES to 1" RES MFS	0	172	0
7		3/4" RES to 1-1/2" RES MFS	0	0	0
8		3/4" RES to 2" RES MFS	0	0	0
9		1" RES to 1-1/2" RES MFS	0	0	0
10		1" RES to 2" RES MFS	0	0	0
11		1-1/2" RES to 2" RES MFS	0	0	0
12					
13	TOTAL Average Customers		1,338	344	0
14					
15	Meter Equivalents by Meter Size				
16		0	0.0	0.0	0.0
17		5/8 x 3/4" RES to 1" RES MFS	1.8	1.8	1.8
18		5/8 x 3/4" RES to 1-1/2" RES MFS	3.0	3.0	3.0
19		5/8 x 3/4" RES to 2" RES MFS	4.5	4.5	4.5
20		3/4" RES to 1" RES MFS	2.0	2.0	2.0
21		3/4" RES to 1-1/2" RES MFS	3.3	3.3	3.3
22		3/4" RES to 2" RES MFS	4.8	4.8	4.8
23		1" RES to 1-1/2" RES MFS	3.8	3.8	3.8
24		1" RES to 2" RES MFS	5.3	5.3	5.3
25		1-1/2" RES to 2" RES MFS	6.5	6.5	6.5
26		0	0.0	0.0	0.0
27					
28	Total Meter Equivalents				
29		0	0	0	0
30		5/8 x 3/4" RES to 1" RES MFS	2,342	301	0
31		5/8 x 3/4" RES to 1-1/2" RES MFS	0	0	0
32		5/8 x 3/4" RES to 2" RES MFS	0	0	0
33		3/4" RES to 1" RES MFS	0	344	0
34		3/4" RES to 1-1/2" RES MFS	0	0	0
35		3/4" RES to 2" RES MFS	0	0	0
36		1" RES to 1-1/2" RES MFS	0	0	0
37		1" RES to 2" RES MFS	0	0	0
38		1-1/2" RES to 2" RES MFS	0	0	0
39		0	0	0	0
40	TOTAL		2,342	645	0
41					
42					
43					

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER

Wkpr: 124
 MDB Workpaper 109

Line Number	Description	Water & RFS Meter Sizes	Sacramento	Larkfield	Meadowbrook
			Conservation Rates	Conservation Rates	Conservation Rates
			Attrition Year 2023	Attrition Year 2023	Attrition Year 2023
			1560	1561	RS350
44	Monthly Meter Equivalent Cost		20	18	21
45					
46	<u>SERVICE CHARGE RATE BY METER SIZE</u>				
47		0	\$0.00	\$0.00	\$0.00
48		5/8 x 3/4" RES to 1" RES MFS	\$35.04	\$31.49	\$36.52
49		5/8 x 3/4" RES to 1-1/2" RES MFS	\$60.08	\$53.98	\$62.60
50		5/8 x 3/4" RES to 2" RES MFS	\$90.11	\$80.97	\$93.91
51		3/4" RES to 1" RES MFS	\$40.05	\$35.98	\$41.74
52		3/4" RES to 1-1/2" RES MFS	\$65.08	\$58.48	\$67.82
53		3/4" RES to 2" RES MFS	\$95.12	\$85.46	\$99.12
54		1" RES to 1-1/2" RES MFS	\$75.10	\$67.47	\$78.26
55		1" RES to 2" RES MFS	\$105.13	\$94.46	\$109.56
56		1-1/2" RES to 2" RES MFS	\$130.16	\$116.95	\$135.64
57		0	\$0.00	\$0.00	\$0.00
58					
59	<u>PROOF OF SERVICE CHARGE REVENUES</u>				
60		0	\$0	\$0	\$0
61		5/8 x 3/4" RES to 1" RES MFS	\$562,672	\$64,989	\$0
62		5/8 x 3/4" RES to 1-1/2" RES MFS	\$0	\$0	\$0
63		5/8 x 3/4" RES to 2" RES MFS	\$0	\$0	\$0
64		3/4" RES to 1" RES MFS	\$0	\$74,273	\$0
65		3/4" RES to 1-1/2" RES MFS	\$0	\$0	\$0
66		3/4" RES to 2" RES MFS	\$0	\$0	\$0
67		1" RES to 1-1/2" RES MFS	\$0	\$0	\$0
68		1" RES to 2" RES MFS	\$0	\$0	\$0
69		1-1/2" RES to 2" RES MFS	\$0	\$0	\$0
70		0	\$0	\$0	\$0
71					
72			\$562,672	\$139,262	\$0

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER

RS753

Wkpr: 125
 MDB Workpaper 110

Line Number		Sacramento	Larkfield	Meadowbrook
		Conservation Rates	Conservation Rates	Conservation Rates
		Attrition Year 2023	Attrition Year 2023	Attrition Year 2023
		1560	1561	RS350
1	SQR under Conservation Rates	3.89	6.45	1.97
2	Annual Residential Sales (CCF)	7,505	211	329
3	Residential Revenue Requirement	\$29,202	\$1,363	\$649
4	Residential Rev Req Per Proof	\$29,201.60	\$1,363	\$649
5	Residential Variance	(\$1)	(\$0)	\$0
6	% Variance	0.00%	0.00%	0.00%
7				
8	Breakpoints (Monthly) ^{5,11}			
9	<u>Tier 1</u>			
10	Breakpoint 1 (ccf)	6	5	10
11	Water at Tier 1 Rate	65.00%	50.90%	51.70%
12	Cumulative water	N/A	N/A	N/A
13				
14	<u>Tier 2</u>			
15	Breakpoint 2 (hcf)	11	18	19
16	Water at Tier 2 Rate	22.00%	40.00%	25.70%
17	Cumulative water	87.00%	90.90%	77.40%
18				
19	<u>Tier 3</u>			
20	Breakpoint 3 (hcf)	0	25	0
21	Water at Tier 3 Rate	13.00%	4.80%	22.60%
22	Cumulative water	100.00%	95.70%	100.00%
23				

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER

RS753

Wkpr: 125
 MDB Workpaper 110

Line Number		Sacramento	Larkfield	Meadowbrook
		Conservation Rates	Conservation Rates	Conservation Rates
		Attrition Year 2023	Attrition Year 2023	Attrition Year 2023
		1560	1561	RS350
24	<u>Tier 4</u>			
25	Breakpoint 4 (hcf)			
26	Water at Tier 4 Rate	0.00%	4.30%	0.00%
27	Cumulative water	100.00%	100.00%	100.00%
28				
29				
30				
31				
32	Rates ⁵			
33	<u>Tier 1</u>			
34	Rate per hcf ^{7,8}	\$3.3379	\$6.1903	\$1.8734
35	% of SQR	85.78%	96.00%	95.00%
36	Revenue within tier	55.76%	48.86%	49.12%
37	Cumulative revenue			
38	<u>Tier 2</u>			
39	Rate per hcf	\$4.4749	\$6.4482	\$1.9720
40	% of SQR	115.00%	100.00%	100.00%
41	Revenue within tier	25.30%	40.00%	25.70%
42	Cumulative revenue	81.06%	88.86%	74.82%

CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER

RS753

Wkpr: 125
 MDB Workpaper 110

Line Number		Sacramento	Larkfield	Meadowbrook
		Conservation Rates	Conservation Rates	Conservation Rates
		Attrition Year 2023	Attrition Year 2023	Attrition Year 2023
		1560	1561	RS350
43	<u>Tier 3</u>			
44	Rate per hcf	\$5.6695	\$7.4154	\$2.1978
45	% of SQR	145.70%	115.00%	111.45%
46	Revenue within tier	18.94%	5.52%	25.19%
47	Cumulative revenue	100.00%	94.38%	100.00%
48	<u>Tier 4</u>			
49	Rate per hcf	\$0.0000	\$8.4149	\$0.0000
50	% of SQR	0.00%	130.50%	0.00%
51	Revenue within tier ⁶ (<10%)	0.00%	5.61%	0.00%
52	Cumulative revenue	100.00%	100.00%	100.00%
53				
54				
55	OUTPUT			
56	1 \$	\$3.3379	\$6.1903	\$1.8734
57	2 \$	\$4.4749	\$6.4482	\$1.9720
58	3 \$	\$5.6695	\$7.4154	\$2.1978
59	4 \$	\$0.0000	\$8.4149	\$0.0000
60	5 \$	\$0.0000	\$0.0000	\$0.0000
61	NRES \$	\$3.8912	\$6.4482	\$1.9720

**CALIFORNIA-AMERICAN WATER COMPANY
 NORTHERN DIVISION
 REVENUE CALCULATION AT PROPOSED RATES
 2023 STEP RATE WORKPAPER**

Wkpr: 126
 MDB Workpaper 111

MEADOWBROOK SERVICE AREA

Ln. No.	Customer Class	QTY RATE	Total Consumption	Total Revenues
	METERED CONSUMPTION	CCF		
	Residential			
31	Tier 1	\$ 1.8734	170,080	318,628
32	Tier 2	\$ 1.9720	84,547	166,726
33	Tier 3	\$ 2.1978	74,348	163,402
34	Total Residential		328,975	648,756
35	Commercial	\$ 1.9720	86,852	171,272
36	CONSUMPTION REVENUES		415,827	820,028
37	SERVICE CHARGE REVENUES			546,538
38	OTHER REVENUE			-
39	PRIVATE FIRE REVENUE			-
40			Total Customer Revenue	1,366,566
41			Check to 2023 Rev Req't	1,366,659
42			Over/(Under)	(92)
43			% Difference	-0.01%

18. It is reasonable for Cal-Am to eliminate its annual and quarterly reports that are duplicative of the reporting requirements in GO 103-A.

19. It is reasonable for Cal-Am to provide further details about the surcharges applied to customers' bills in each district, including the customer bill impacts related to the surcharges and the improvements and efficiencies each surcharge is intended to fund, for review in its next GRC.

20. Cal-Am should use its conservation budget to match any funds San Marino receives from the MWD program, assist San Marino City staff with applying for and reporting program(s) to MWD, work with San Marino to implement a community outreach program to educate and inform residents on the programs and classes they can participate in to lower indoor and outdoor water use to reduce their monthly water bills and meet with the City of San Marino prior to Cal-Am's next GRC filing to discuss potential new projects or infrastructure improvements that would further benefit the San Marino water system.

21. Cal-Am should continue collecting the MPWMD user fee in this GRC cycle, and remit the amount collected to MPWMD to fund environmental mitigation projects, conservation activities, and other water-related services.

22. This proceeding should be closed.

O R D E R

IT IS ORDERED that:

1. California America Water Company is authorized to increase its rates to recover the revenue requirements, as follows: \$271,997,880 in 2021; \$280,125,100 in 2022; and \$287,820,100 in 2023.

2. The Settlement reached between California American Water Company (Cal-Am), the Public Advocates Office of the California Public Utilities Commission, and the Cities of Duarte, San Marino, and Thousand Oaks, which

incorporates the two partial settlements reached between Cal-Am and Las Palmas Wastewater Committee and Cal-Am and the Monterey Peninsula Water Management District, is attached and incorporated hereto as Appendix B, and is approved and adopted, as modified in this Decision.

3. No later than 30 days following the issuance of this Decision, California American Water Company (Cal-Am) shall file its Tier 1 General Rate Case implementation advice letter, including updated tariffs as necessary to reflect all of the agreements related to capital expenditures and projects in the Los Angeles County, San Diego County, Ventura County, Central Division, Monterey County Wastewater, Sacramento County, and Larkfield Districts reached between the Public Advocates Office of the California Public Utilities Commission; the Cities of Duarte, San Marino, and Thousand Oaks; the Las Palmas Wastewater Committee; the Monterey Peninsula Water Management District; and Cal-Am. Given the timing of the issuance of the decision, the 2021 authorized rates and tariff changes shall be implemented concurrently with California American Water's escalation filing for attrition year 2022.

4. California-American Water Company (Cal-Am) is authorized to revise tariff schedules and to concurrently cancel its present schedules for such service upon the effective date of its 2022 escalation filing. The revision of tariff schedules for authorized rates in 2021 shall be included and subsumed in Cal-Am's escalation filing for attrition year 2022.

5. Decision 07-05-062 requires escalation filings to be filed no later than 45 days prior to the start of the escalation year. In light of the effective date of this decision, California-American Water Company shall submit its 2022 escalation advice letters within 60 days from the effective date of this decision. The 2022 escalation advice letters shall be effective 45 days from the date of filing.

6. California-American Water Company shall submit its 2023 escalation advice letters no later than 45 days prior to their effective date on January 1, 2023.

7. The Annual Consumption Adjustment Mechanism (ACAM) filings for 2022 shall be filed concurrently with the 2022 Escalation filings via Tier 2 advice letters as approved in Settlement 1. The ACAM filings shall be submitted 60 days from the effective date of this decision. Upon approval of the Tier 2 advice letter, California American Water will file a Tier 1 advice letter to implement new rates effective 45 days after the Tier 2 filing.

8. The Annual Consumption Adjustment Mechanism (ACAM) filings for 2022 shall be filed concurrently with the 2022 Escalation filings via Tier 2 advice letters as approved in Settlement 1. The ACAM filings shall be submitted 60 days from the effective date of this decision. Upon approval of the Tier 2 advice letter, California American Water will file a Tier 1 advice letter to implement new rates effective 45 days after the Tier 2 filing.

9. California American Water Company shall not recover any costs associated with its proposed Bellflower acquisition until or unless it is ultimately approved by the Commission.

10. California American Water Company shall continue to regularly share data with electric investor-owned utilities to identify customers that may be

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eligible to enroll in its low-income assistance programs, pursuant to Decision 21-06-015.

11. California American Water Company shall prepare a Portable Generator Planning Study to consider alternatives to installing stationary generators at its facilities and budget \$150,000 or \$50,000 per Division, as a planning study expense in Test Year 2021 to complete this portable generator planning study.

12. California American Water Company shall not seek recovery of costs associated with drilling a new well at the Sand City Desalination Plant.

13. California American Water Company shall coordinate with Monterey Peninsula Water Management District to identify and prioritize projects to improve service and lower costs in the Monterey District prior to filing its next General Rate Case application.

14. California American Water Company shall consolidate its Southern Division as agreed to in Section 12.1 of the Settlement and shall design its Southern Division rates so customers with median and below-median consumption will not see more than the average system-wide increase in monthly bills.

15. California American Water Company shall recover the 2017 Larkfield Wildfire related costs, net of received insurance claims, on a statewide basis.

16. California American Water Company shall seek recovery of any wildfire-related costs incurred after May 31, 2019, on a statewide basis, pursuant to the provisions adopted in Decision 19-07-015.

17. In its next General Rate Case application, California American Water Company shall report details on the surcharges in each district, the customer bill impacts related to the surcharges, and the improvements and efficiencies each surcharge is intended to fund.

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18. California American Water Company (Cal-Am) shall use conservation budget funds to match any funds San Marino receives from the Metropolitan Water District of Southern California (MWD) incentive program, assist San Marino City staff with applying for and reporting program(s) to MWD, work with San Marino to implement a community outreach program to educate and inform residents on the programs and classes they can participate in to lower indoor and outdoor water use to reduce their monthly water bills, and meet with the City of San Marino prior to Cal-Am's next General Rate Case filing to discuss potential new projects or infrastructure improvements that would benefit the San Marino water system.

19. California American Water Company shall continue collecting the Monterey Peninsula Water Management District user fee during this General Rate Case cycle to support environmental mitigation, water conservation, and other water service-related programs that were authorized in Decision 17-01-013.

20. Application 19-07-004 is closed.

This order is effective today.

Dated November 18, 2021, at San Francisco, California.

MARYBEL BATJER

President

MARTHA GUZMAN ACEVES

CLIFFORD RECHTSCHAFFEN

GENEVIEVE SHIROMA

DARCIE HOUCK

Commissioners