

Water Rate Survey



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FOREWORD

The 2017 California-Nevada Water Rate Survey is a joint effort between the California-Nevada Section of the American Water Works Association (CA-NV AWWA), Raftelis, and the California Data Collaborative (CaDC). CA-NV AWWA is a nonprofit professional association dedicated to providing high-quality technical information to its water utility members and general public. Raftelis is a nationally recognized utility finance, rate, and management consulting firm. CaDC is a coalition of California water utilities that have come together to share data and develop creative partnerships to advance the public good. This survey was first conducted by Raftelis in 2005 to provide in-depth analysis of water rates and charges in the State of California. In 2007, CA-NV AWWA and Raftelis formed a partnership to produce the next edition of the rate survey including California and Nevada. For the 2017 survey a third partner, CaDC, was added to leverage their data expertise and analytics capabilities. The 2017 survey provides valuable insights into pricing practices embraced by utilities across California and Nevada. Specifically included in this year's survey:

- » Participation by utility systems with diverse ownership and operating characteristics serving a total of 352 California agencies and 3 Nevada agencies
- » Rate calculations and pertinent data on rate structures and billing frequency
- » Water rate affordability analysis
- » Summary rates table by reporting agency

The report is a powerful tool for comparative benchmarking. Drawing conclusions from rate comparisons, however, should be done only after evaluating several community characteristics. These include geography, climate, water sources, service area size and population, as well as the use of taxes, subsidies, and grants in an agency's rates.

The determinants of utility rates are varied and complex and reflect the unique revenue requirement for each agency. A low rate or a high rate does not necessarily mean that a utility is more or less efficient, respectively. As a result, the survey findings alone should not be used to judge the performance of any individual utility or to generalize about all water-sector utilities. Also, our rate survey uses a sample that is not statistically random. Even with these constraints, the information contained in the survey should be beneficial to utilities throughout California and Nevada. At a minimum, it can be used to identify utilities that have similar characteristics to include in a more in-depth benchmarking effort.

We recognize the valuable contribution made by the numerous water utility professionals who donated their time and energy to this effort. Their participation in this survey is greatly appreciated.

Timothy Worley, Ph.D.

Willwork

Executive Director California-Nevada Section, AWWA Jandu)

Sudhir PardiwalaExecutive Vice President
Raftelis

Patrick Atwater

Patrick Atwater

Project Manager & Co-Founder of ARGO California Data Collaborative

Factors Affecting

GROWING INFRASTRUCTURE REQUIREMENTS

Much of the original water infrastructure in the Western United States will require replacement in the near future. In many cases, this will be the first time that utilities will face significant capital needs that are not funded by growth in the customer base. In addition, this existing infrastructure repair and replacement will likely be more costly than placing comparable new infrastructure in service in undeveloped areas. This factor will significantly impact utilities in coming years and will likely be a major driver of rate increases.

WATER SHORTAGE

Water shortage concerns are back throughout California and Nevada as the region copes with what is increasingly being described as the new normal. After a five year regional drought followed by a record precipitation year in water year 2016-2017, California and Nevada faced a below average winter in 2017-2018. It is expected that drought messaging will return to public view. In addition to cyclical drought, shortages can be caused by regulatory restrictions on accessing water or moving water through an aqueduct system. Additionally, climate change may reduce winter snowpack in local mountains that serve as a natural storage system and exacerbate the duration and intensity of drought. Such water shortages typically have an adverse effect on the financial health of a utility, leading to increased pressure to raise rates. Decreases in water sales from restrictions generally require an increased price in order to

recover fixed costs. A possible silver lining for agencies facing shortage is that customer water demand remains depressed well below pre-drought levels. The amount of additional downward movement in demand that will occur during a new round of drought remains to be seen.

INCREASING REGULATORY STRINGENCY

While it is unclear how water regulation will be promulgated in the future, it is our expectation that standards will continue to become more stringent. As the ability to measure water quality improves and technology for producing "cleaner" potable water advances, regulations will inevitably follow and utilities will need to spend resources to acquire the new technology and/or reconfigure the existing treatment processes. New water loss auditing requirements in California are forcing agencies to identify real water losses from degraded infrastructure as well as losses from billing system and data errors. Agencies may be forced to recover more revenue while attempting to avoid costs for expensive sources of supply. Newly formed groundwater agencies in California are developing sustainability plans to comply with the Sustainable Groundwater Management Act (SGMA) to be implemented in the coming years. Depending on basin conditions, agencies reliant on groundwater may experience localized effects including reductions in pumping, increases in management costs and purchases of more expensive water. We believe that increasing regulatory stringency and advances in technology will drive rates higher in the long term.

Rates

DECREASING PER CAPITA CONSUMPTION

Declining per capita consumption is ubiquitous across utilities. We believe that there are three primary reasons for this trend: water efficiency, messaging, and mandates. Each generation of new home appliances is more water efficient than the last. With the replacement of each device, water efficiency is gained. Most recently efficiency has been gained outdoors where smart irrigation controllers have been deployed alongside drought tolerant landscaping. Conservation messaging has been internalized by much of the population. A conservation ethic continues to replace old habits in small ways like water only upon request in restaurants and in larger ways like replacing thirsty landscapes. We believe this has been accomplished through public education efforts and media surrounding the recent drought. Lastly, many utilities have faced water supply shortages and conservation mandates which has forced additional efforts to reduce per capita consumption. Reductions in usage, as previously mentioned, typically result in higher rates to recover fixed costs.

As mentioned earlier, water treatment technology is constantly improving. Certain technological improvements will result in reduced costs. Supervisory control and data acquisition (SCADA) systems allow for operations with fewer employees and help to minimize power loads. As a result, the cost of producing potable water is decreasing with all other variables remaining the same. In addition many agencies are deploying

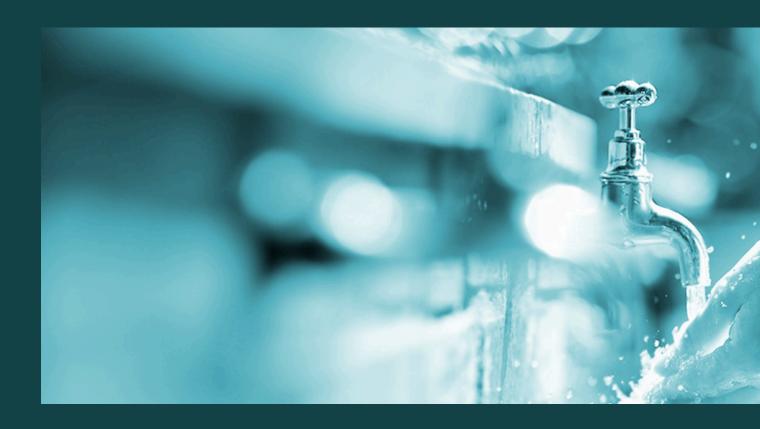
advanced metering infrastructure (AMI) which gives the utility and the customer near real time data on water use, peak demands, and leaks. We believe technology will continue to improve benefits to customers.

EFFECTIVE UTILITY MANAGEMENT

Elected officials and governing boards increasingly require utilities to operate as efficiently as possible. The growth of contractor operations has also caused utilities to become more efficient. In fact, many utilities have gone through some sort of formal optimization process. We believe that these efforts will continue to place downward pressure on utility rates.

POLITICAL ACTIONS

The strongest force in limiting rate increases has been the political process. Whereas optimization efforts are beneficial to the utility, politically limited rate increases may not be. It would be unfair to say that political influence does not have positive effects, as it often forces utilities to be as efficient as possible. We believe that this will continue to have a significant impact on limiting rate increases, particularly due to California's Proposition 218 and recent court cases related to the requirements of the constitutional amendment. However, when a rate increase is obviously required and that increase is not allowed due to political issues, there can be severe future ramifications particularly on rate increases to fund critical infrastructure replacement or emergencies associated with deferred capital investment.



Overview of the Survey

In 2017, an online survey was sent to water service providers in California and Nevada. This self-reported survey included questions regarding the service provider's customer classes, rate structures, and rates; as well as information on the provider's geographic location, billing frequency, connection fees, and revenue recovery among other questions. The survey results were then supplemented by additional water rate data gathered by CaDC academic collaborators utilizing Proposition 218 notices. In total, the information received provides data on 355 service providers (352 in California and 3 in Nevada).



Because water usage varies widely by cities and regions, a benchmark water usage amount is needed to provide a basis to compare water rates. This survey takes an innovative approach to calculating this benchmark water usage by making use of publicly available figures on the average residential gallons per capita per day (R-GPCD) used in each agency obtained from the California State Water Resources Control Board conservation reporting. Monthly household water use is then calculated using the average household size within a district (obtained from the American Community Survey where available, and 3 otherwise) and a 30 day billing period. In cases where GPCD values could not be found, for example in Nevada or outside of the major urban retailers, the survey relies on 15 ccf (hundred cubic feet), or roughly 11 thousand gallons (kgal) of consumption per month as the benchmark for residential water use because this has historically been the benchmark used in these surveys.

To account for different billing frequencies between agencies, both fixed charges and water use quantities need to be adjusted to make for a fair comparison. In the case of fixed charges, this is done by dividing by the billing frequency (e.g. a bimonthly fixed service charge is divided by two). In the case of volumetric water use charges, the benchmark monthly water use is first multiplied by the billing frequency (e.g. 15 CCF becomes 30 for bi-monthly billing). Variable charges are then calculated at this

higher level of usage, and then divided by the billing frequency to bring things back to a monthly comparison level. For budget-based rates, the same approach is applied to evapotranspiration and the number of days in the billing period so that bi-monthly budgets are scaled appropriately.

This is our seventh survey in California/Nevada (previous surveys include 2005, 2007, 2009, 2011, 2013, and 2015 (though as the inaugural survey, 2005 data was limited to California)). In the survey, we have made some comparisons regarding the bill frequency, rate structure, and user charges between 2015 and 2017. Characteristics of billing frequency, rate structures, and water charges are also included. For this year we have combined agency results from California and Nevada when presenting analyses. Additionally, certain results rely on statewide (California) data from supplier reports and therefore include results across all water utilities in the state, not just those that responded to the survey.

Limitations: Reaching conclusions based on the results from the biennial survey should be done after carefully considering limitations of the survey. Rates are influenced by a variety of factors including demography, climate, sources of supply, system age, non-rate revenues (e.g., property taxes), and grant funding, among others. Therefore, the rates reflect each agency's unique revenue requirement and do not necessarily reflect the true cost of providing water service. In addition, the results may be affected by the response rate within the different counties and regions and potential bias in self-selection and reporting of a voluntary survey.

Water Rate Survey Results Combined California and Nevada

Billing frequency can range from annual to monthly bills. The frequency of bills affects both the agency's cash flow and the ability of a customer to respond to conservation or efficiency messaging. Additionally, as rates increase and bills become larger, it makes more sense to bill monthly rather than bimonthly. Figure 1 compares the billing frequency results from the 2015 survey with the current 2017 survey. The last two years have shown a widespread transition of agencies to monthly billing schedules. Bimonthly billing now represents less than a quarter of participating agencies, down from 37.4 percent. Frequencies categorized as Other include quarterly and annual billing periods.

Figure 1

2015 and 2017 Billing Frequency Comparison

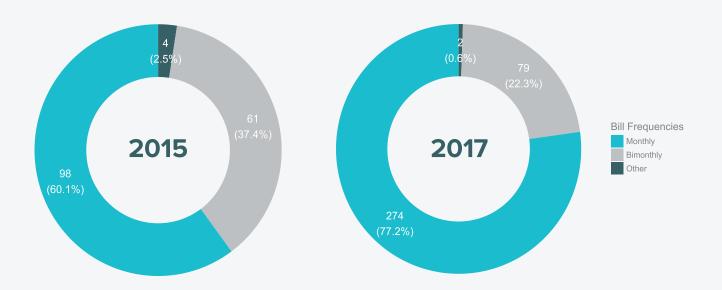


Figure 2 breaks down the average bill into the fixed service charge (using the most common meter size as reported by the agency) and the volumetric commodity charge. Approximately 43% of the mean bill consists of the service charge. As noted above, the volumetric charge is calculated based on the average usage for each individual agency. In years past, the survey relied on assumed usage at 15 ccf. However, the average usage across agencies may vary significantly. For example, an agency employing a tiered structure with a much lower average usage than 15 ccf may result in a much larger bill than what an average customer in that service area actually sees. This year's survey relies on custom data from each agency's supply report submitted to the state to have a customized usage that reflects local conditions and uses 15 ccf only where data is unavailable. For this reason, the numbers in Figure 2 may appear smaller than numbers seen in other parts of the survey, such as Figures 4-6 which use the 15 ccf benchmark for accurate inter-year comparison.

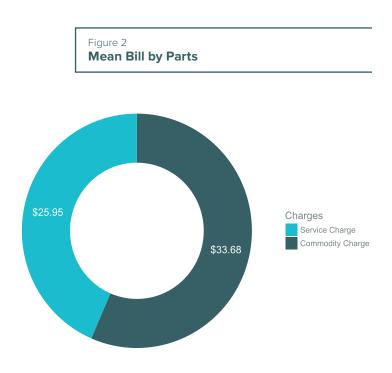
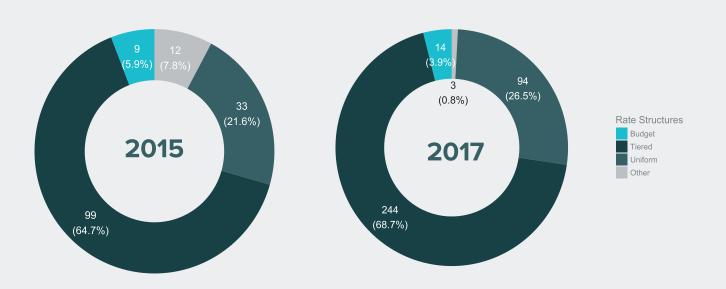




Figure 3 compares the proportion of different volumetric rate structures in the 2015 survey against the 2017 survey. The drop in the use of other structures is contrasted by the increased share of uniform and tiered rate structures. Tiered rates, which send a conservation signal to customers, remain by far the most common structure utilized by surveyed agencies.

Figure 3 **2015 and 2017 Rate Structure Count Comparison**



The mean service charge has increased 31% since the last survey. A number of factors can influence an increased fixed service charge. For example, an agency's costs may have simply increased. Alternatively, a utility may make the policy decision to recover more of its fixed costs through fixed revenue. Moreover, recovering a larger share of fixed costs on the service charge may be a response to water shortage, drought conditions, and temporary rates. Customers are also paying 25% more for their water usage than they did in 2015 (Figure 5). A number of factors can influence the increase, including implementation of rate structures which reflect decreased demand, conservation signals, and the procurement of more expensive water supplies. Figure 6 combines the increases in Figure 4 and Figure 5, showing an overall 29% increase in customers' bills.

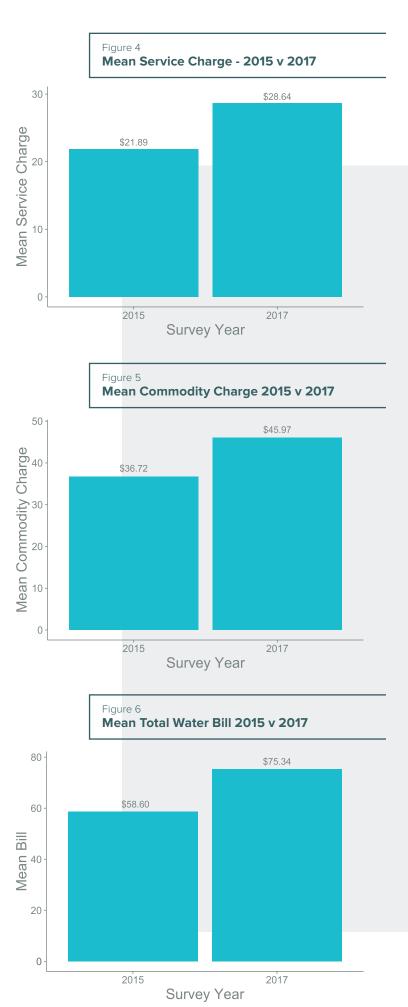
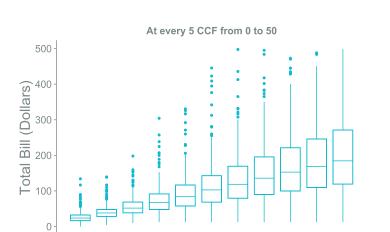




Figure 7 illustrates the distribution of total bills at intervals of use from 0 ccf to 50 ccf. The results are shown as a box and whiskers plot where the lower end of the "box" shows the 25th percentile, the upper end of the box shows the 75th percentile, and the line that bisects the box represents the median. The individual dots are responses outside the 95th percentile. The median at 10 ccf is \$52 per month, 15 ccf is \$68 per month, and 20 ccf is \$84 per month.



20

30

Usage (CCF)

40

50

Distribution of Bills at Different Levels of Use

Figure 7

10

Figure 8 shows the distribution of total water bills across agencies. The bars represent the number of agencies with bills that fall into each \$10 interval. The total bill is calculated at 15 ccf per month. The median total bill is \$68 per month. Figure 9 shows the same distribution of total water bills using custom usage (residential gallons per capita per day, or R-GPCD from supplier reports). The median total bill is \$53 per month with the custom use.

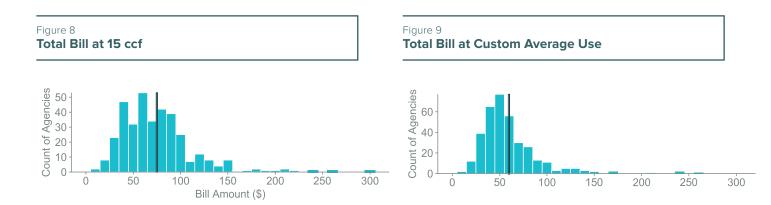




Figure 10 provides the distribution of bill totals by hydrologic region as well as the number of reporting agencies in each region. The "box-and-whiskers" plot shows the 25th, 50th (median), and 75th percentiles, as well as outliers on the high and low end for each region. The North Coast has the lowest median water bill while the North Lahontan has the highest. The South Coast and San Francisco Bay show some agencies with bills much higher than their regional medians, with one outlier approaching \$200 per month on average.

Figure 11 compares the average charge for each region in 2017. The service charge is represented in light blue, while the variable portion of the bill is in dark blue. Agencies in the San Francisco Bay, Central Coast, South Coast, and Colorado River utilize rate structures where variable commodity charges constitute a majority of rate revenue, with the fixed charge constituting only between 20% to 40% of an average customer's bill. Average bills range from a low of around \$40 per month in the Tulare Lake region to around \$80 per month in the North Lahontan region. The high charges in the North Lahontan region may be the result of a small sample size and/or a number of agencies with larger service areas and a smaller



number of customers.

Figure 10

Total Bill by Hydrologic Region

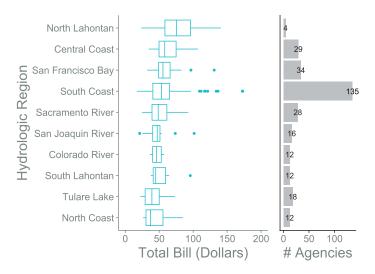
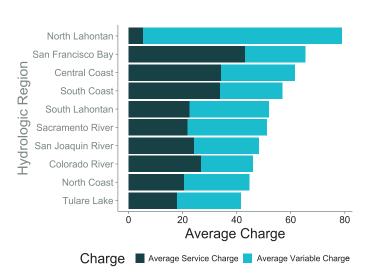


Figure 11 **2017 Average Charge by Hydrologic Region**



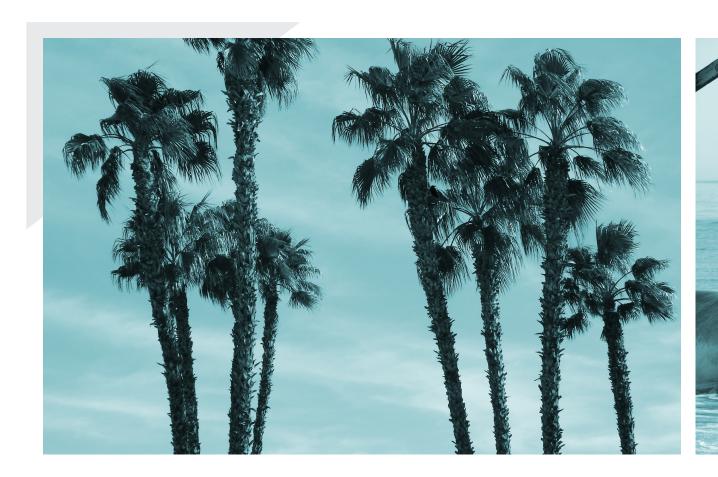
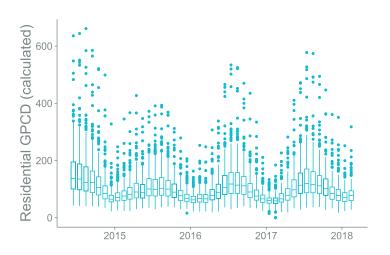
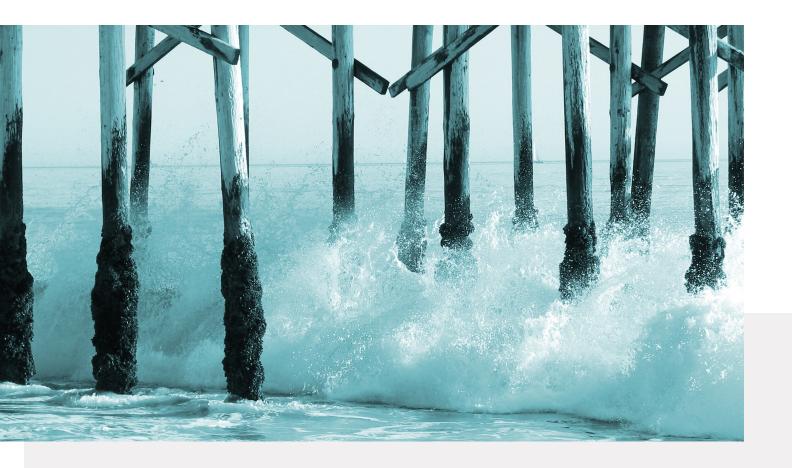


Figure 12 illustrates changes to residential water use through time (Residential Gallons per Capita per Day, or rGPCD). Seasonal changes in water use (i.e., summer irrigation and winter essential indoor needs) can be seen in the time series, with median rGPCD values across agencies varying between roughly 67 GPCD in the Winter and 114 GPCD in the Summer. The large reduction in FY 2015-2016 is due to the conservation mandate of the State of California due to the drought.

Figure 12 **Residential Gallons per Capita per Day 2015-2017**





Affordability of Water Rates

Water rate affordability is a pressing challenge. In the American west the affordability crisis has several drivers including imported water costs, capital repair and replacement, and increasing regulatory requirements, among others. In California there are constraints on water service providers' ability to assist their ratepayers. Constitutionally, these agencies cannot use revenues from rates to subsidize other users. Water safety and affordability legislation is working its way through California's legislature, however, affordability of utility rates will continue to be a challenge for the most vulnerable ratepayers.

Figure 13 shows the distribution of the incomes of participating agencies' customers. The median income for most agencies lies between \$50,000-\$99,999. Historically, Median Household Income (MHI) has been used to assess affordability of water rates. This indicator comes from the Environmental Protection Agency (EPA) guidance documents. Annual water or sewer bills that are 2% or less of the national MHI individually, or 4% for combined water and sewer service, are considered affordable. While MHI as an affordability indicator may have shortcomings it is universally known and well established for making comparisons across agencies.

The histogram in Figure 14 shows the distribution of agencies responding to the survey and their percentage of mean household income. The analysis utilizes the agency's respective median income identified in Figure 13 and the average bill based upon agency specific usage characteristics. Most bills fall below 2 percent of household income with the median percentage of MHI at 1%.

Figure 15 illustrates affordability based on the 2% MHI indicator. Points on the graph under the grey line represent average total bills that fall below 2% MHI and are therefore considered affordable. Points above the grey line represent agencies whose average bills exceed 2% of MHI. 95% of the agencies analyzed in this survey fall under the 2% affordability threshold given the assumptions about average use explained at the start of this report. Lastly, the points are colored by rate structure type to highlight any relationships between affordability and rate structure type.

Figure 13

Median Income Distribution of Surveyed Agencies

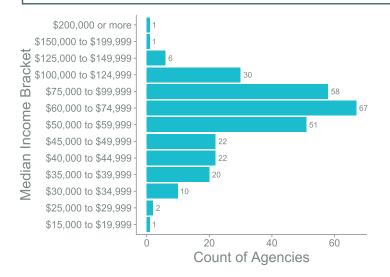


Figure 14 **Average Bill as Percent of Median Household Income**

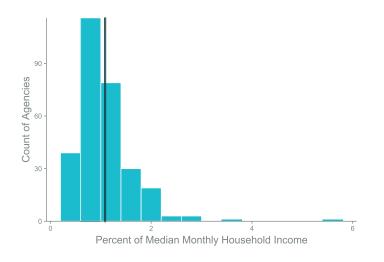
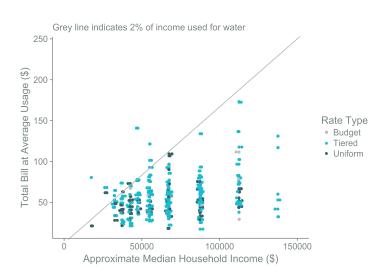


Figure 15
2% Median Household Income and Rate Structure



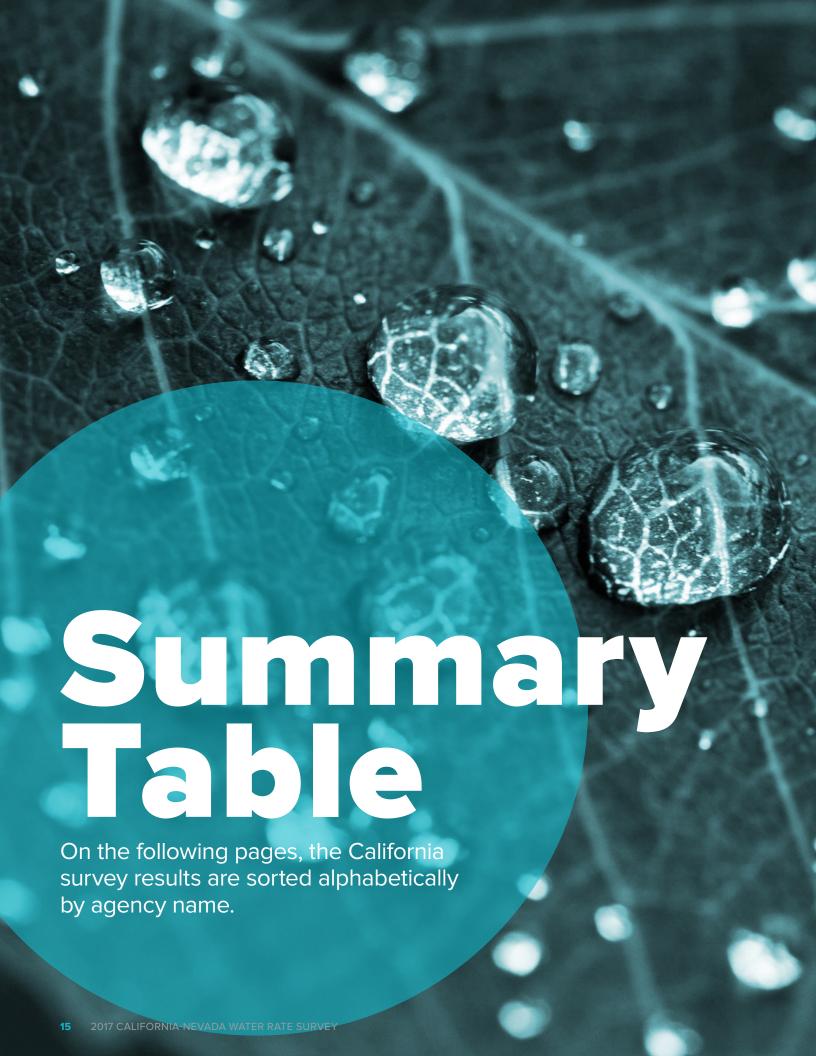
Background onSurvey Partners

The California-Nevada Section is the largest regional section of the American Water Works Association, "the authoritative resource on safe water," with about one-tenth of the AWWA membership. Since 1881, AWWA has led the development and dissemination of water industry guidelines, standards, procedures, training and other information. To fulfill its mission of leading, educating, and serving the drinking water community to ensure public health and to provide safe and sufficient water for all, CA-NV AWWA offers a number of educational opportunities such as conferences, workshops, Water Education Seminars, and the Water College. CA-NV AWWA also manages six professional certification programs serving over 20,000 individuals, helping to ensure drinking water safety for over 35 million people. The Section publishes a quarterly journal, Source, and helps disseminate technical input on drinking water issues to state regulators and legislators.

Raftelis was founded in 1993 to provide services that help utilities function as sustainable organizations while providing the public with clean water at an affordable price. With this goal in mind, Raftelis has grown to become the largest and one of the most respected utility financial and management consulting practices in the nation. Raftelis has experience providing these services to hundreds of utilities across the country and abroad, allowing us to provide our clients with innovative and insightful recommendations that are founded on industry best practices. Throughout our history, we have maintained a strict focus on the financial and management aspects of utilities, building a staff with knowledge and skills that are extremely specialized to the services that we provide, and thus allowing us to provide our clients with independent and objective advice. Raftelis personnel have been conducting the comprehensive national Water and Wastewater Rate Survey biennially since 1986 and have co-published the survey with AWWA since 1996. The survey has extensive data on utilities across the country. The 2016 Water and Wastewater Rate Survey can be obtained on the AWWA website.

The California Data Collaborative ("CaDC") is a coalition of fourteen municipal water utilities serving 23 million Californians that have committed to sharing data in order to ensure that California has a reliable water supply today and into the future. Since launching in January 2016, this uniquely water manager-led coalition has built academic and multidisciplinary partnerships to integrate customer water use data in a successful pilot that has been featured by the White House, Harper's Magazine, the Associated Press and others.

Additional copies of the survey can be obtained by contacting: CA-NV AWWA at 909.291.2113 10435 Ashford Street, 2nd Floor Rancho Cucamonga, CA 91730 The survey was designed in a way that agencies can periodically update their information and view updated results on a regular basis. Please see the OWRS repository for latest results. New or revised rate data may be submitted at survey.californiadatacollaborative.com or by emailing support@californiadatacollaborative.org. Please contact support for access to the bill calculator tool to view a dynamic water bill calculated based on local usage.



Water Service Provider	Effective Date	Bill Frequency	Billing Unit	Average Monthly Custom Usage	Rate Structure	Monthly Fixed Charge	Monthly Variable Charge	Total Charge
Alameda County Water District	3/1/2018	Bi-Monthly	ccf	o	Uniform	26.16	36.49	62.66
Amador Water Agency	10/1/2017	Monthly	ccf	80	Uniform	25.08	20.64	45.72
American Canyon City Of	6/1/2017	Monthly	ccf	6	Tiered	6.4	49.23	55.63
Anaheim City of	2/1/2016	Monthly	ccf	10	Uniform	12.97	5.19	18.16
Antioch City Of	7/1/2017	Monthly	ccf	10	Tiered	21.2	32.52	53.72
Apple Valley Ranchos Water Company	1/1/2017	monthly	ccf	15	Tiered	34.73	63.14	97.87
Arcadia City Of	4/1/2017	Bimonthly	ccf	19	Tiered	10.17	32.52	42.69
Arcata City Of	10/1/2017	Monthly	ccf	4	Tiered	12.16	14.09	26.25
Arrowbear Park County Water District	12/19/2016	Monthly	ccf	15	Tiered	27.5	58.5	98
Arroyo Grande City Of	8/9/2017	Monthly	ccf	6	Tiered	34.34	36.6	70.94
Bakersfield City Of	10/1/2017	Monthly	ccf	20	Uniform	11.46	21.37	32.83
Bear State Water Works	8/15/2017	Monthly	kgal	15	Tiered	4.17	14.6	18.77
Bellflower-Somerset Mutual Water Company	10/1/2014	bimonthly	ccf	6	Uniform	14.18	16.29	30.47
Benicia City Of	7/1/2017	Bi-Monthly	ccf	7	Uniform	15.08	29.48	44.56
Beverly Hills City of	7/3/2017	Bimonthly	ccf	11	Tiered	21.68	52.83	74.51
Big Bear City Community Service District	7/1/2017	Bi-Monthly	ccf	9	Tiered	36.98	12.17	49.15
Big Bear Lake City Of	4/1/2017	Bi-Monthly	ccf	15	Tiered	45.6	33.46	90.62
Blythe City Of	7/1/2017	Monthly	ccf	15	Uniform	10.66	29.55	40.21
Brawley City Of	7/1/2018	Monthly	kgal	14	Uniform	38.24	18.95	57.19
Brea City Of	7/1/2017	Monthly	ccf	10	Tiered	15.93	36.99	52.92
Brentwood City of	7/1/2016	monthly	ccf	11	Tiered	29.83	43.82	73.65
Buena Park City Of	1/1/2018	Monthly	kgal	11	Uniform	38.61	17.49	56.1
Burbank City of	1/2/2017	monthly	ccf	6	Tiered	12.29	11.55	39.37
Burlingame City Of	1/1/2017	Bi-Monthly	kgal	9	Tiered	36.36	43.58	79.94
Calaveras County Water District	9/1/2017	Bi-Monthly	ccf	15	Tiered	85.17	11.52	69.96
Calaveras Public Utilities District	7/1/2016	Monthly	kgal	15	Tiered	39.73	11.55	51.28
Calexico City Of	8/1/2008	Monthly	ccf	13	Tiered	43.89	0	43.89
California American Water Company - Sacramento District	1/1/2018	Monthly	kgal	15	Tiered	19.84	46.7	66.54
California American Water Ventura District	1/13/2017	Monthly	kgal	15	Tiered	14.73	58.74	73.47
California Water Service Company Antelope Valley	1/1/2017	monthly	ccf	15	Tiered	31.02	65.35	96.37
California Water Service Company Bakersfield	1/1/2017	monthly	ccf	17	Tiered	23.47	31.41	54.88
California Water Service Company Bear Gulch	1/1/2017	monthly	ccf	15	Tiered	30.44	100.53	130.97
California Water Service Company Chico District	1/1/2017	monthly	ccf	11	Tiered	20.62	18.03	38.65
California Water Service Company Dominguez	1/1/2017	monthly	ccl	6	Tiered	25.5	27.86	53.36
California Water Service Company East Los Angeles	1/1/2017	monthly	ccl	9	Tiered	25.08	21.37	46.45
California Water Service Company Hermosa Redondo	1/1/2017	monthly	ccl	7	Tiered	17.81	30.36	48.17
California Water Service Company Kern River Valley	1/1/2017	monthly	ccf	15	Uniform	79.14	178.26	257.4

Water Service Provider	Effective Date	Bill Frequency	Billing Unit	Average Monthly Custom Usage	Rate Structure	Monthly Fixed Charge	Monthly Variable Charge	Total Charge
California Water Service Company King City	4/15/2017	monthly	ccf	7	Tiered	27.91	21.07	48.98
California Water Service Company Livermore	1/1/2017	monthly	ccf	15	Tiered	27.96	55.48	83.44
California Water Service Company Los Altos Suburban	1/1/2017	monthly	ccf	12	Tiered	26.82	53.48	80.3
California Water Service Company Marysville	1/1/2017	monthly	ccf	10	Tiered	34.68	24.46	59.14
California Water Service Company Oroville	1/1/2017	monthly	ccf	80	Tiered	46.72	21.39	68.11
California Water Service Company Palos Verdes	1/1/2017	monthly	ccf	19	Tiered	31.02	85.84	116.86
California Water Service Company Redwood Valley	1/1/2017	monthly	ccf	10	Tiered	23.9	61	84.9
California Water Service Company Salinas District	4/15/2017	monthly	ccf	œ	Tiered	27.91	24.01	51.92
California Water Service Company Selma	4/15/2017	monthly	ccf	16	Tiered	33.08	26.56	59.64
California Water Service Company Stockton	1/1/2017	monthly	ccf	œ	Tiered	26.31	24.44	50.75
California Water Service Company Visalia	1/1/2017	monthly	ccf	15	Tiered	15.2	21.32	36.52
California Water Service Company Westlake	4/15/2017	monthly	ccf	21	Tiered	39.98	9.96	136.58
California Water Service Company Willows	1/1/2017	monthly	ccf	10	Tiered	52.59	20.95	73.54
California-American Water Company San Diego District	1/1/2018	Monthly	kgal	7	Tiered	11.1	34.41	45.51
Camarillo City Of	1/1/2018	Monthly	ccf	6	Tiered	23.11	15.62	38.73
Cambria Community Services District	3/1/2017	Bi-Monthly	ccf	4	Tiered	13.26	27.59	40.85
Carlsbad Municipal Water District	1/1/2017	Monthly	ccf	10	Tiered	32.54	38.91	71.45
Carmichael Water District	1/1/2018	Bi-Monthly	ccf	15	Uniform	25.93	20.69	46.62
Carpinteria Valley Water District	7/1/2017	Monthly	ccf	œ	Tiered	42.83	34.25	77.08
Castroville Community Services District	8/1/2017	Monthly	ccf	15	Uniform	18.33	24.15	42.48
Chino Hills City Of	7/1/2017	Monthly	ccf	13	Budget	29.54	30.44	59.98
Citrus Heights Water District	11/8/2017	Bi-Monthly	ccf	41	Uniform	23.76	14.24	38
City of Bakersfield	6/1/2017	monthly	ccf	15	Uniform	9.88	14.1	23.98
City of Gonzales	7/1/2017	Monthly	ccf	15	Tiered	0	27.3	27.3
City of Lindsay	1/1/2009	Monthly	ccf	15	Uniform	19.97	15.3	35.27
City of Oceanside	1/1/2017	Monthly	ccf	œ	Tiered	15.2	19.78	34.98
City of Tehama	7/1/2017	Monthly	kgal	15	Tiered	31.2	0.46	31.66
City of Vacaville	1/1/2016	Bi-Monthly	ccf	12	Uniform	19.6	20	39.6
City of Winters	9/1/2015	Monthly	ccf	15	Uniform	20.03	29.4	49.43
Clovis City Of	1/7/2017	Bi-Monthly	kgal	16	Tiered	10.93	11.23	22.16
Coachella Valley Water District	8/1/2016	Monthly	ccf	20	Budget	6.92	29.23	36.15
Coastside County Water District	7/1/2017	Bi-Monthly	ccf	2	Tiered	39.23	57.42	96.64
Colton City Of	7/1/2017	Monthly	ccf	12	Tiered	25.29	19.43	44.72
Compton City of	7/1/2014	Monthly	ccf	œ	Tiered	30.54	21.36	51.9
Contra Costa Water District	9/5/2017	Bi-Monthly	ccf	10	Tiered	8.97	37.39	46.36
Corona City Of	2/1/2014	monthly	ccf	13	Budget	25.23	27.49	52.72
Covina City Of	7/1/2015	Monthly	ccf	13	Tiered	33.24	34.52	92.79

Water Service Provider	Effective Date	Bill Frequency	Billing Unit	Average Monthly Custom Usage	Rate Structure	Monthly Fixed Charge	Monthly Variable Charge	Total Charge
Crescent City	7/1/2017	Monthly	ccf	15	Tiered	22.49	28.82	51.31
Crescenta Valley Water District	7/1/2017	Bi-Monthly	kgal	10	Tiered	23.96	40.83	64.79
Crestline Village Water District	1/1/2017	Monthly	ccf	4	Tiered	26.5	18.09	44.59
Cucamonga Valley Water District	7/1/2017	Bi-Monthly	ccf	14	Tiered	20.88	27.92	48.79
Davis City Of	1/1/2019	Monthly	ccf	တ	Uniform	13.07	46.86	59.93
Delano City Of	7/1/2017	Monthly	ccf	11	Tiered	26.78	20.99	47.77
Desert Water Agency	1/1/2017	monthly	ccf	13	Uniform	14.41	19.92	36.36
Diablo Water District	2/1/2017	monthly	ccf	12	Tiered	11.05	38.5	49.55
Dinuba City Of	10/1/2017	Monthly	kgal	15	Tiered	11.86	15.68	27.54
Discovery Bay Town Of	1/1/2018	Monthly	ccf	13	Uniform	18.02	25.76	43.78
Downey City Of	1/1/2013	Bi-Monthly	ccf	10	Tiered	14.23	15.69	29.92
Dublin San Ramon Services District	1/1/2017	bimonthly	ccf	80	Tiered	26.43	5.91	32.34
East Bay Municipal Utility District	7/12/2017	Bi-Monthly	ccf	7	Tiered	22.6	28.71	51.31
East Niles Community Service District	4/1/2017	monthly	ccf	23	Uniform	38.9	34.14	73.04
East Palo Alto City of	7/1/2017	Monthly	ccf	9	Tiered	22.6	40.97	63.57
East Valley Water District	7/1/2017	Monthly	ccf	16	Budget	31.32	35.94	67.26
El Centro City of	1/1/2017	monthly	ccf	12	Uniform	3.56	44.93	48.49
El Dorado Irrigation District - Main	1/1/2017	bimonthly	ccf	14	Tiered	29.94	22.16	52.1
El Monte City Of	1/1/2018	Monthly	kgal	7	Tiered	22.75	1.33	24.08
El Segundo City Of	7/1/2017	Monthly	ccf	80	Tiered	10.84	20.63	31.47
El Toro Water District	7/1/2017	Monthly	ccf	œ	Budget	20.48	20.81	41.29
Elk Grove Water Service	1/1/2017	monthly	ccf	11	Tiered	64.73	16.24	80.97
Elsinore Valley Municipal Water District	7/1/2017	Monthly	ccf	13	Budget	23.77	33.39	57.16
Escondido City of	3/1/2016	monthly	ccf	10	Tiered	30.11	53.2	83.31
Estero Municipal Improvement District	7/1/2017	Bi-Monthly	ccf	9	Tiered	9.93	31.84	41.76
Eureka City Of	7/1/2017	Monthly	ccf	2	Uniform	25.15	11.8	36.95
Fair Oaks Water District	1/1/2018	Bi-Monthly	ccf	17	Uniform	35.8	8.3	44.11
Fairfield City Of	1/1/2018	Monthly	ccf	6	Uniform	25.8	20.18	45.98
Fillmore City Of	1/1/2017	Monthly	ccf	16	Tiered	38.75	22.69	61.44
Fontana Water Company	9/15/2017	Monthly	ccf	15	Tiered	25.53	49.81	75.34
Fountain Valley City Of	7/1/2017	Monthly	ccf	80	Uniform	7.28	25.96	33.24
Fresno City of	7/1/2016	monthly	ccf	14	Uniform	10.5	17.58	28.08
Fullerton City of	7/1/2017	Bi-Monthly	kgal	12	Tiered	7.39	29.17	36.56
Galt City Of	3/21/2017	Monthly	ccf	16	Uniform	19.45	14.28	33.73
Garden Grove City of	7/1/2016	bimonthly	ccf	10	Tiered	7.11	29.92	37.03
Georgetown Divide Public Utility District	7/11/2011	Bi-Monthly	ccf	14	Tiered	23.57	5.6	29.17
Gilroy City Of	7/1/2017	Monthly	kgal	10	Tiered	9.53	24.9	34.43

Water Service Provider	Effective Date	Bill Frequency	Billing Unit	Average Monthly Custom Usage	Rate Structure	Monthly Fixed Charge	Monthly Variable Charge	Total Charge
Glenbrook Water Cooperative	1/1/2016	Annually	kgal	15	Tiered	116.67	0	116.67
Glendale City of	7/1/2016	monthly	ccf	6	Tiered	28.02	23.33	51.35
Glendora City Of	4/1/2017	Bi-Monthly	ccf	16	Tiered	40.88	38.65	79.52
Golden State Water Company - Artesia	1/1/2018	Monthly	ccf	6	Tiered	25.79	35.99	61.78
Golden State Water Company - Barstow	1/1/2018	Monthly	ccf	11	Tiered	23.4	41.23	64.63
Golden State Water Company - Bay Point	1/1/2018	Monthly	ccf	7	Tiered	28.49	41.76	70.25
Golden State Water Company - Cordova	4/20/2017	Monthly	ccf	15	Uniform	12.38	26.36	38.74
Golden State Water Company - Cowan Heights	1/1/2018	Monthly	ccf	15	Tiered	23.4	61.33	84.73
Golden State Water Company - Hawthorne	1/1/2018	Monthly	ccf	15	Tiered	25.79	63.95	89.74
Golden State Water Company - Lakewood	1/1/2018	Monthly	ccf	15	Tiered	25.79	63.95	89.74
Golden State Water Company - Norwalk	1/1/2018	Monthly	ccf	6	Tiered	25.79	35.85	61.64
Golden State Water Company - Placentia	1/1/2018	Monthly	ccf	10	Tiered	23.4	40.75	64.15
Golden State Water Company - San Dimas	4/1/2017	Monthly	ccf	13	Tiered	23.13	48.27	71.4
Golden State Water Company - San Gabriel	1/1/2018	Monthly	ccf	6	Tiered	23.4	34.21	57.61
Golden State Water Company - South Arcadia	1/1/2018	Monthly	ccf	10	Tiered	23.4	39.47	62.87
Golden State Water Company Bell-Bell Gardens	4/1/2017	Monthly	ccf	œ	Tiered	25.04	32.54	57.58
Golden State Water Company Orcutt	4/20/2017	Monthly	ccf	14	Tiered	25.56	40.8	98.39
Golden State Water Company Simi Valley	7/19/2017	Monthly	ccf	11	Tiered	26.33	39.65	65.98
Goleta Water District	4/1/2017	Monthly	ccf	9	Tiered	47.57	27.29	74.86
Groveland Community Services District	5/1/2017	Monthly	kgal	œ	Tiered	36.28	65.12	101.4
Grover Beach City Of	8/1/2017	Monthly	ccf	9	Uniform	12.08	39.09	51.17
Hayward City of	10/1/2016	bimonthly	ccf	9	Tiered	10.88	38.35	49.22
Healdsburg City Of	7/1/2017	Monthly	ccf	6	Uniform	21.01	44.1	65.11
Helix Water District	3/1/2018	Bi-Monthly	ccf	80	Tiered	23.93	40.31	64.25
Hemet City Of	1/1/2018	Monthly	ccf	7	Uniform	30.49	31.26	61.75
Hesperia Water District City of	1/1/2018	Bi-Monthly	ccf	14	Tiered	23.05	17.87	40.91
Hi Desert Water District	7/1/2011	Monthly	ccf	7	Tiered	23.3	30.81	54.11
Hillsborough Town Of	1/1/2018	Monthly	ccf	24	Tiered	68.68	172.52	241.2
Hollister City Of	1/1/2018	Monthly	ccf	11	Tiered	13.29	44.86	58.15
Humboldt Bay Municipal Water District	7/1/2017	Monthly	ccf	7	Tiered	23.77	5.58	29.35
Humboldt Community Services District	8/1/2017	Monthly	ccf	2	Uniform	33.67	19.4	53.07
Huntington Beach City of	3/4/2017	monthly	ccf	6	Uniform	11.53	17.4	28.93
Huntington Park City of	1/1/2017	monthly	ccf	9	Uniform	6.35	15.11	21.46
Imperial City Of	1/1/2018	Monthly	ccf	12	Uniform	13.06	40.21	53.27
Indian Wells Valley Water District	2/1/2017	Monthly	ccf	15	Tiered	41.41	10.87	52.28
Indio City Of	1/1/2018	Monthly	ccf	15	Budget	21.16	21.52	42.68
Joshua Basin Water District	1/1/2017	Monthly	ccf	80	Tiered	25.78	27.16	52.94

Water Service Provider	Effective Date	Bill Frequency	Billing Unit	Average Monthly Custom Usage	Rate Structure	Monthly Fixed Charge	Monthly Variable Charge	Total Charge
Kelly Mutual Water Company	10/16/2016	Bi-Monthly	ccf	15	Uniform	06	09	150
Kerman City Of	7/1/2017	Monthly	kgal	19	Uniform	16.17	11.8	27.97
Kingsburg City Of	4/1/2017	Monthly	kgal	20	Tiered	32.25	12.63	44.88
La Habra City Of	2/1/2018	Monthly	ccf	15	Tiered	19.17	42.41	61.58
Laguna Beach County Water District	11/1/2017	Bi-Monthly	ccf	œ	Budget	16.18	31.39	47.57
Lake Arrowhead Community Services District	1/1/2017	Monthly	ccf	2	Tiered	38.23	6.89	45.12
Lakewood City Of	1/1/2018	Bi-Monthly	ccf	6	Uniform	7.5	32.63	40.13
Lamont Public Utility District	1/1/2017	monthly	ccf	17	Uniform	26.86	259.32	286.18
Las Virgenes Municipal Water District	1/1/2017	monthly	ccf	0,	Budget	21.73	59.97	111.59
Lathrop City Of	1/1/2018	Monthly	kgal	15	Uniform	22.9	44.77	29.79
Linda County Water District	8/1/2017	Monthly	ccf	17	Uniform	19.45	45.95	65.4
Livermore City of	1/1/2017	monthly	ccf	10	Tiered	15.38	33.27	48.65
Livingston City Of	9/1/2017	Monthly	kgal	17	Uniform	12.15	34.6	46.75
Lodi City of Public Works Department	7/1/2017	Monthly	ccf	13	Tiered	21.87	13.66	35.53
Lompoc City Of	7/1/2017	Monthly	ccf	7	Tiered	47.15	30.1	77.25
Long Beach City of	10/1/2016	monthly	ccf	7	Tiered	14.87	12.18	27.05
Los Angeles County Waterworks District 21 - Kagel Canyon	10/1/2016	Monthly	ccf	15	Uniform	40.55	87.36	127.91
Los Angeles County Waterworks District 29 - Malibu & Marina Del Rey	1/1/2017	Monthly	ccf	20	Tiered	37.81	134.65	172.46
Los Angeles County Waterworks District 36 - Val Verde	1/1/2017	Monthly	ccf	15	Uniform	20.52	40.52	61.04
Los Angeles County Waterworks District 37 - Acton	1/1/2017	Monthly	ccf	15	Uniform	16.86	16.52	33.37
Los Angeles County Waterworks District 40 - Antelope Valley	1/1/2017	Monthly	ccf	18	Tiered	25.26	18.94	44.19
Los Angeles Department of Water and Power	1/1/2017	bimonthly	ccf	89	Tiered	0	45.68	45.68
Los Banos City Of	7/1/2015	Monthly	ccf	13	Tiered	21.25	0	21.25
Lower Lake County Waterworks District No. 1	6/30/2015	Monthly	ccf	15	Tiered	59.64	24.25	83.89
Madera City Of	7/1/2017	Monthly	ccf	15	Tiered	16.84	23.37	40.21
Manhattan Beach City Of	1/1/2014	Bi-Monthly	ccf	6	Tiered	20.23	39.73	96.69
Marin Municipal Water District	7/1/2017	Bi-Monthly	ccf	80	Tiered	23.31	32.15	55.46
Marina Coast Water District - Central Marina	1/1/2018	Monthly	ccf	9	Tiered	22.36	17.67	40.03
Marina Coast Water District - Ord Community	1/1/2018	Monthly	ccf	9	Tiered	38.79	23.39	62.18
Martinez City of	3/31/2017	bimonthly	ccf	2	Uniform	29.72	22.01	51.73
McKinleyville Community Service District	1/10/2017	monthly	ccf	9	Tiered	24.55	8.21	32.76
Menlo Park Water District City Of	7/1/2017	Monthly	ccf	89	Tiered	22.49	49.61	72.1
Merced City Of	1/1/2017	Monthly	ccf	17	Tiered	33.66	0	33.66
Mesa Water District	1/1/2014	Bi-Monthly	ccf	6	Uniform	17.25	30.94	48.19
Mid-Peninsula Water District	7/1/2017	Monthly	ccf	co	Tiered	24	58.82	82.82
Millbrae City Of	7/1/2017	bimonthly	ccf	7	Uniform	10	56.01	66.01

Water Service Provider	Effective Date	Bill Frequency	Billing Unit	Average Monthly Custom Usage	Rate Structure	Monthly Fixed Charge	Monthly Variable Charge	Total Charge
Mission Springs Water District	3/1/2018	Monthly	ccf	13	Tiered	11.36	25.6	36.96
Modesto City Of	9/1/2016	Monthly	ccf	16	Uniform	20.79	28.8	49.59
Monrovia City Of	3/8/2018	Monthly	ccf	12	Uniform	30.56	22.05	52.61
Monte Vista Water District	1/1/2018	Bi-Monthly	ccf	12	Budget	20.32	38.45	58.77
Montebello Land And Water Company	7/1/2017	Bi-Monthly	ccf	7	Tiered	16.18	12.34	28.51
Monterey Park City Of	9/1/2018	Monthly	ccf	6	Tiered	21.25	22.02	59.5
Morgan Hill City Of	1/1/2018	Monthly	ccf	10	Uniform	27.07	23.04	50.11
Morro Bay City Of	7/1/2017	Monthly	ccf	ιΩ	Tiered	28	31.26	59.26
Moulton Niguel Water District	1/1/2018	Monthly	ccf	10	Budget	11.22	18.02	29.24
Napa City Of	12/1/2017	Bi-Monthly	kgal	80	Tiered	14.29	25.75	40.04
Newhall County Water District	7/1/2017	Monthly	ccf	15	Uniform	15.96	44.28	60.24
Newport Beach City Of	4/5/2017	Monthly	ccf	6	Uniform	17.27	27.62	44.89
Nipomo Community Service District	12/1/2017	Bi-Monthly	ccf	14	Uniform	21.25	68.94	90.19
Norco City Of	7/1/2017	Monthly	ccf	19	Uniform	39.42	42.28	81.7
North Coast County Water District	1/1/2018	Bi-Monthly	ccf	D.	Tiered	26.7	36.47	63.17
North Lone Pine Mutual Water Company	1/1/2002	Bi-Monthly	ccf	15		12.5	0	12.5
North Marin Water District	6/1/2017	Bi-Monthly	kgal	6	Tiered	15.75	33.92	49.67
North Yuba Water District	8/22/2017	Bi-Monthly	ccf	15		9.41	22.35	31.76
Oak Park Water Service	7/1/2017	Monthly	ccf	14	Tiered	28.02	89.59	117.61
Oceanside City Of	1/1/2017	monthly	ccf	80	Tiered	20.19	19.78	39.97
Oildale Mutual Water Company	1/1/2012	Monthly	ccf	18	Uniform	21.25	18.72	39.97
Olivehurst Public Utility District	1/1/2017	Monthly	ccf	15	Tiered	15	13.5	28.5
Ontario City Of	9/1/2017	Monthly	ccf	12	Tiered	0	28.78	28.78
Orange City Of	1/1/2018	Bi-Monthly	ccf	13	Tiered	12.94	27.37	40.31
Orange Vale Water Company	1/1/2016	Monthly	ccf	17	Tiered	24.19	11.41	35.6
Paradise Irrigation District	4/8/2016	monthly	ccf	12	Uniform	33.34	19.48	52.82
Park Water Company	6/1/2016	monthly	ccf	15	Tiered	32.96	87.58	120.54
Pasadena City Of	10/1/2017	Monthly	ccf	10	Tiered	17.51	16.32	33.83
Paso Robles City Of	7/1/2017	Monthly	ccf	10	Uniform	4.83	51.74	56.57
Phelan Pinon Hills Community Services District	7/1/2017	Monthly	ccf	10	Tiered	17.9	23.28	41.18
Pismo Beach City Of	6/1/2017	Monthly	ccf	7	Tiered	29.02	20.77	49.79
Pittsburg City Of	1/1/2017	monthly	ccf	10	Tiered	24.29	35.67	96.69
Placer County Water Agency	1/1/2017	Bi-Monthly	ccf	14	Tiered	16.82	23	39.82
Pleasanton City Of	1/15/2017	bimonthly	ccf	10	Tiered	13.54	39.39	52.93
Pomona City of	1/1/2017	bimonthly	ccf	10	Tiered	33.39	11.16	44.55
Port Hueneme City Of	7/1/2012	Monthly	ccf	7	Uniform	37.62	25.68	63.3
Poway City Of	1/1/2017	bimonthly	ccf	15	Tiered	18.64	74.52	93.16

Water Service Provider	Effective Date	Bill Frequency	Billing Unit	Average Monthly Custom Usage	Rate Structure	Monthly Fixed Charge	Monthly Variable Charge	Total Charge
Quail Valley Water District	1/1/2017	Monthly	ccf	15	Uniform	77.66	74.85	152.51
Rainbow Municipal Water District	3/1/2018	Monthly	ccf	19	Tiered	61.46	72.44	133.9
Ramona Municipal Water District	1/1/2018	Monthly	ccf	14	Uniform	32.33	76.99	109.32
Redlands City Of	7/1/2016	bimonthly	ccf	19	Tiered	17.68	30.61	48.29
Reedley City Of	1/1/2018	Monthly	kgal	10	Tiered	31.08	7.39	38.47
Rialto City Of	1/1/2017	Monthly	ccf	15	Tiered	30.25	23.53	53.78
Rincon Del Diablo Municipal Water District	1/1/2018	Monthly	kgal	12	Tiered	34.23	62.39	96.62
Rio Dell City Of	7/1/2017	Monthly	kgal	15		46.63	45.47	92.1
Rio Linda Water District	7/20/2017	Bi-Monthly	ccf	17	Tiered	42.33	8.23	50.55
Ripon City Of	1/1/2018	Monthly	ccf	18	Uniform	31.7	15.62	47.32
Riverbank City Of	7/1/2019	Monthly	kgal	15	Uniform	27.07	9.57	36.64
Riverside City Of	4/22/2014	monthly	ccf	13	Tiered	13.99	14.29	28.28
Rohnert Park City Of	1/1/2018	Monthly	kgal	9	Tiered	20.2	14.62	37.32
Rosamond Community Service District	7/1/2017	monthly	ccf	13	Tiered	33.53	27.27	8.09
Rowland Water District	1/1/2017	monthly	ccf	10	Tiered	25.91	29.22	55.13
Rubio Canyon Land And Water Association	6/1/2017	Monthly	ccf	16	Tiered	31.5	43.97	75.47
Running Springs Water District	7/1/2017	Monthly	ccf	15	Uniform	29.92	67.05	26.96
Sacramento City Of	7/1/2017	Monthly	ccf	10	Uniform	29.52	12.34	41.86
Sacramento Suburban Water District	1/1/2017	monthly	ccf	11	Uniform	5.91	98.72	104.63
San Bernardino City of	10/1/2016	monthly	ccf	15	Uniform	20.15	16.72	41.23
San Bernardino County Service Area 64 Spring Valley Lake	11/14/2017	Monthly	ccf	11	Tiered	28.2	99.6	37.86
San Bernardino County Service Area 70 J Oak Hills	7/1/2017	Monthly	ccf	11	Tiered	30.4	23.36	53.76
San Bruno City Of	7/1/2017	Monthly	ccf	2	Tiered	22.1	38.79	68.09
San Clemente City Of	1/1/2018	Monthly	ccf	6	Uniform	18.71	35.76	54.47
San Diego City Of	8/1/2016	monthly	ccf	9	Tiered	23.92	29.31	53.23
San Dieguito Water District	1/1/2017	Bi-Monthly	ccf	11	Tiered	22.92	37.83	60.75
San Francisco Public Utilities Commission	7/1/2017	Monthly	ccf	15	Tiered	14.64	120.5	135.14
San Gabriel County Water District	1/1/2018	Bi-Monthly	ccf	10	Tiered	20.09	18.22	38.31
San Gabriel Valley Fontana Water Company	1/7/2017	monthly	ccf	15	Uniform	20.57	41.67	62.24
San Gabriel Valley Water Company	7/1/2017	Monthly	ccf	6	Tiered	33.65	28.55	62.2
San Jose Water Company	1/1/2017	monthly	ccf	80	Tiered	25.02	36.86	61.88
San Juan Water District	1/1/2018	Monthly	ccf	29	Uniform	48.9	26.53	75.43
San Lorenzo Valley Water District	10/1/2017	Monthly	ccf	80	Uniform	28.27	78.68	106.95
San Luis Obispo City Of	7/1/2017	Monthly	ccf	5	Tiered	12.33	37.4	49.73
Santa Barbara City Of	8/15/2017	Monthly	ccf	9	Tiered	37.65	54.88	92.53
Santa Clara City Of	1/1/2017	monthly	ccf	7	Tiered	25.26	12.63	37.89
Santa Clarita Water Division	1/1/2017	Monthly	ccf	15	Tiered	25.26	27.47	52.73

Water Service Provider	Effective Date	Bill Frequency	Billing Unit	Average Monthly Custom Usage	Rate Structure	Monthly Fixed Charge	Monthly Variable Charge	Total Charge
Santa Fe Irrigation District	7/1/2017	Bi-Monthly	ccf	35	Tiered	40.52	132.53	173.06
Santa Fe Springs City Of	8/11/2016	Monthly	ccf	6	Tiered	12.4	28.1	40.5
Santa Margarita Water District	1/1/2017	monthly	ccf	11	Budget	21.79	19.75	78.39
Santa Maria City Of	7/1/2017	Monthly	ccf	10	Tiered	34.73	43.29	78.02
Santa Monica City of	1/1/2017	bimonthly	ccf	9	Tiered	0	17.19	17.19
Santa Paula City Of	1/1/2018	Monthly	ccf	13	Tiered	43.81	32.71	76.52
Scotts Valley Water District	12/13/2017	Bi-Monthly	kgal	œ	Tiered	54.22	48.15	102.37
Shafter City Of	7/1/2017	Monthly	kgal	20	Uniform	34	10.7	44.7
Shasta Lake City Of	8/1/2017	Monthly	ccf	11	Tiered	24.56	21.54	46.1
Sierra Estates Mutual Water Company	2/1/2017	Monthly	kgal	15	Tiered	55.51	14.08	69.59
Soledad City Of	1/1/2018	Monthly	ccf	13	Tiered	18.48	20.99	39.47
Sonoma City Of	1/1/2018	Monthly	ccf	6	Uniform	20.28	52.37	72.65
Soquel Creek Water District	1/1/2018	Monthly	ccf	2	Tiered	32.95	38.73	71.68
South Coast Water District	7/1/2017	Monthly	ccf	œ	Tiered	23.17	23.77	46.94
South Feather Water and Power	1/1/2016	monthly	ccf	27	Tiered	15	9.4	24.4
South Gate City Of	7/1/2017	Monthly	ccf	6	Uniform	0	53.13	53.13
South Pasadena City Of	1/1/2018	Bi-Monthly	ccf	10	Tiered	36.98	29.85	66.84
South Tahoe Public Utility District	7/1/2017	Quarterly	ccf	9	Tiered	134.2	92.9	140.76
Stockton City Of	8/1/2016	monthly	ccf	12	Tiered	28	23.96	52.19
Suburban Water Systems - San Jose Hills	1/1/2017	Monthly	ccf	15	Tiered	19.66	41.56	61.22
Suburban Water Systems - Whittier-La Mirada	1/1/2017	Monthly	ccf	12	Tiered	19.66	30.56	50.22
Sunny Slope County Water Company	12/21/2017	Monthly	ccf	10	Tiered	31.59	30.97	62.56
Sunny Slope Water Company	5/1/2017	Monthly	ccf	10	Tiered	18.44	27.86	46.3
Sunnyvale City Of	7/1/2017	Monthly	ccf	9	Tiered	19.05	29.55	48.6
Susanville City Of	8/12/2012	monthly	ccf	17	Tiered	23.65	0	23.65
Sweetwater Authority	3/4/2017	monthly	ccf	7	Tiered	21.8	27.23	54.77
Tahoe City Public Utilities District	2/2/2018	Monthly	kgal	9	Tiered	70.25	10.84	81.09
Thousand Oaks City Of	1/1/2018	Monthly	ccf	12	Tiered	25.31	57.44	82.75
Tracy City Of	4/1/2008	Monthly	ccf	14	Tiered	11.7	13.61	25.31
Truckee-Donner Public Utility District	1/1/2018	Monthly	kgal	80	Tiered	65.67	4.31	86.69
Tulare City Of	10/1/2017	Monthly	kgal	16	Tiered	13.76	10.54	24.3
Tuolumne Utilities District	1/1/2018	Monthly	ccf	15	Tiered	56.5	36	92.5
Turlock City Of	1/1/2019	Monthly	kgal	13	Uniform	33	60.6	42.09
Twentynine Palms Water District	1/1/2018	Bi-Monthly	ccf	10	Uniform	12.32	29.17	41.49
Ukiah City Of	1/1/2018	Monthly	ccf	œ	Uniform	35.68	24.73	60.41
Upland City of	4/1/2018	Bi-Monthly	ccf	16	Tiered	29.7	31.94	61.64
Vacaville City Of	1/1/2018	Monthly	ccf	12	Uniform	21.61	20.36	41.97

Water Service Provider	Effective Date	Bill Frequency	Billing Unit	Average Monthly Custom Usage	Rate Structure	Monthly Fixed Charge	Monthly Variable Charge	Total Charge
Valencia Water Company	1/1/2018	Monthly	ccf	11	Uniform	17.19	19.94	37.13
Vallejo City Of - Vallejo Service Area	6/9/2017	Monthly	ccf	15	Tiered	19.45	62.9	85.34
Vallejo City Of - Lakes Service Area	6/9/2017	Monthly	ccf	15	Tiered	41.08	197.37	238.44
Valley County Water District	1/1/2018	Bi-Monthly	ccf	10	Tiered	14.91	13.68	28.59
Valley Estates Properties Owners Association	1/1/2017	Monthly	kgal	15	Tiered	27.5	308.55	336.05
Valley Of The Moon Water District	2/1/2018	Bi-Monthly	kgal	œ	Tiered	12.8	36.74	49.54
Vaughn Water Company	1/1/2018	Monthly	ccf	35	Tiered	39.38	11.36	50.74
Ventura City Of	7/1/2017	Bi-Monthly	ccf	15	Tiered	16.84	74.59	91.44
Ventura County Waterworks District No 01 - Moorpark	3/15/2017	Monthly	ccf	16	Tiered	10.41	57.08	67.49
Vernon City Of	3/1/2015	Monthly	ccf	5	Uniform	11.29	9.9	21.19
Victorville Water District	7/1/2016	Monthly	ccf	15	Uniform	11.78	25.83	37.61
Virgin Valley Water District	4/20/2015	Monthly	kgal	15	Tiered	35	25.05	60.05
Vista Irrigation District	7/1/2017	Monthly	ccf	6	Tiered	37.05	39.8	76.85
Walnut Valley Water District	1/1/2017	monthly	ccf	14	Tiered	19.43	43.66	63.09
Watsonville City Of	7/1/2017	Monthly	ccf	6	Tiered	25.8	30.8	9.99
West Sacramento City Of	7/1/2021	Monthly	ccf	11	Uniform	24.61	27.61	52.22
West San Martin Water Works	7/17/2017	Monthly	ccf	15	Tiered	23.45	38.76	62.21
West Valley Water District	1/1/2015	Monthly	ccf	20	Tiered	22.21	45.25	67.46
Westborough Water District	9/8/2016	Monthly	ccf	2	Uniform	17.7	34.35	52.05
Western Municipal Water District	1/1/2018	Monthly	ccf	15	Budget	34.67	35.77	70.44
Westhaven Community Services District	7/1/2017	Monthly	kgal	15	Uniform	49.4	157.87	207.27
Westminister City Of	11/9/2017	Bi-Monthly	ccf	10	Tiered	7.08	28.23	35.3
Whittier City Of	8/1/2017	Bi-Monthly	ccf	10	Tiered	20.18	19.36	39.53
Windsor Town Of	7/1/2017	Bi-Monthly	kgal	œ	Tiered	5.62	23.22	28.84
Woodland City Of	1/1/2021	Monthly	ccf	6	Tiered	55.65	37.12	92.77
Yorba Linda Water District	8/1/2017	Monthly	ccf	17	Uniform	19.45	47.15	9.99
Yreka City Of	10/1/2012	Monthly	kgal	6	Tiered	41.08	12.86	53.94
Yucaipa Valley Water District	3/7/2017	Monthly	kgal	19	Tiered	14	20.58	34.58



www.ca-nv-awwa.org 10435 Ashford Street Rancho Cucamonga, CA 91730



www.raftelis.com 445 S. Figueroa Street, Suite 2270 Los Angeles, CA 90071

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