

RECYCLED WATER USAGE RATES

The uniform Recycled Water Usage Rate (\$2.52/ccf) is established to recover the cost of producing and delivering recycled water for irrigation purposes (see Cost of Service Study). The Recycled Water Usage Rate will become effective with the first full billing period after August 1, 2015.

PROPOSED MONTHLY TIERED WATER USAGE RATES

Water Usage Charges	Current Rate \$/ccf*	Proposed Rate \$/ccf*
Tier I - Indoor Efficient	\$2.34	\$2.46
Tier II - Outdoor Efficient	\$2.68	\$2.83
Tier III - Inefficient	\$5.04	\$5.61
Tier IV - Excessive	\$7.04	\$7.18
Commercial, Institutional and Industrial ("CII")	\$2.63	\$2.79

* 1 Billing Unit or "ccf" = 748 gallons

WATER AND SEWER OPERATIONS AND MAINTENANCE CHARGE

To responsibly maintain and preserve its water, recycled water and sewer infrastructure investment, meet stringent regulatory requirements and ensure a continuous high level of service to our customers, the District administers an ongoing maintenance program. To minimize financial impacts to customers and, fairly and equitably allocate that cost, the District commissioned an independent Cost of Service Rate Study. The District proposes to increase the sewer operations and maintenance charge to meet escalating costs associated with operating and maintenance of the sewer system. The District is not proposing an increase to the water and recycled water operations and maintenance charges for fiscal year 2015/16. The Sewer Operations and Maintenance Charge increase will become effective with the August 2015 billing period.

WATER / RECYCLED WATER			SEWER		
Meter Size	Current Charge	Proposed Charge		Commercial(3) Current Charge	Proposed Charge
5/8"	\$9.98	No Change			
3/4"	\$13.31	No Change	Animal Kennel/Hospital	\$3.36	\$3.61
1"	\$19.95	No Change	Car Wash	\$3.34	\$3.59
1-1/2"	\$36.56	No Change	Department/Retail Store	\$3.36	\$3.61
2"	\$69.81	No Change	Dry Cleaner	\$2.94	\$3.16
			Golf Course/Camp/Park	\$2.93	\$3.15
			Health Spa	\$3.35	\$3.60
			Hospital/Convalescence Home	\$2.94	\$3.16
			Hotel	\$5.09	\$5.47
			Market	\$6.67	\$7.17
			Mortuary	\$6.64	\$7.14
			Nursery/Greenhouse	\$2.98	\$3.20
			Professional/Financial Office	\$3.36	\$3.61
			Public Institution	\$3.30	\$3.55
			Repair/Service Station	\$3.35	\$3.60
			Restaurant	\$3.17	\$3.41
			School	\$3.47	\$3.73
			Theater	\$3.36	\$3.61
			Warehouse/Storage	\$2.65	\$2.85
			Basic Commercial	\$2.94	\$3.16

SEWER Residential		
Meter Size	Current Charge	Proposed Charge
Single Family (1)	\$20.50	\$22.02
Multi-family Restricted (2)	\$16.26	\$17.46
Multi-family Unrestricted (2)	\$19.33	\$20.76
(1) charged per month		
(2) charged per Equivalent Dwelling Unit per month		
(3) per ccf of water used		

POTABLE WATER BUDGET CALCULATION

RESIDENTIAL CUSTOMERS

A per meter, customer specific water budget is calculated to meet the efficient demands of indoor domestic use as well as outdoor irrigation under normal operating and water supply conditions. Under Emergencies and Water Supply Shortage conditions, as currently exist, indoor and/or outdoor water budgets maybe adjusted using the Drought Factor ("DF") to reduce water budgets to further encourage conservation. A water budget is the sum of the indoor and outdoor water budgets.

The indoor water budget in hundred cubic feet (ccf¹) is:

$$55 \text{ gallons/person/day} * \text{Number of people per household} * \text{Days/billing cycle} * \text{DF}_{\text{indoor}}/748$$

- The indoor Drought Factor DF_{indoor} which is set by the Board of Directors is currently set to 1 and the number of people per household is as follows:
 - Detached home (single family home): 4 people
 - Apartment: 2 people
 - Attached home - unrestricted (i.e. condominium or townhouse): 3 people
 - Attached home - restricted (i.e. condominium or townhouse with age restrictions): 2 people

Customers may request a variance/adjustment to provide an equitable water budget for special circumstances such as, more people living in the home than the formula provides, medical needs, etc.

The outdoor water budget allocation in ccf is: **(Weather data * Landscape area * ETAF/1200) * DF_{outdoor}**

- Where the weather data is measured by the reference EvapoTranspiration (ET_0) data in inches of water per billing cycle. ET is the amount of water that is lost by plants through evaporation and transpiration, and needs to be replaced for the plants to remain healthy. ET_0 data is obtained from California Irrigation Management Information System (CIMIS) Station 75 established by State of California Department of Water Resources, Office of Water Use Efficiency;
- The landscape area for multi-family accounts including apartments, condominiums and mobile homes will be 25 square feet of landscape per dwelling unit plus any dedicated landscape area associated with the account;
- The landscape area for single-family detached homes is calculated by taking the building area and dividing it by the number of floors and subtracting that from the parcel area. The result is then multiplied by 70 percent to obtain the landscape area as follows:
Landscape area = (lot size - (building area /number of floors)) * 70%
- ET Adjustment Factor (ETAF) is a coefficient that adjusts the EvapoTranspiration (ET_0) values based on type of plants and irrigation system efficiency. Based on the updated Model Water Efficient Landscape Ordinance² developed by the California Department of Water Resources, any landscape installed prior to January 1, 2010 has an ETAF of 0.8 and new landscape is an ETAF of 0.7. New landscape is defined as new or re-developments.
- DF_{outdoor} is the outdoor drought factor (set by the Board of Directors) which is proposed to be established at 0.50. This factor is not necessarily the same as the DF for indoor;
- 1200 is the conversion factor from inches/sq ft to ccf.

Under normal circumstances Customers may request a variance/adjustment to provide an equitable water budget for special circumstances such as, establishing new landscaping and changes in irrigation landscape area. Under Emergencies and Water Supply Shortage conditions, variances/adjustments may be limited.

The indoor water budget, as determined above, will be billed at Tier I ("Indoor - Efficient") rates. The outdoor water budget, as determined above, will be billed at Tier II ("Outdoor - Efficient") rates. Water use in excess of the Tier I and II water budget would be deemed inefficient and/or excessive. Tier III ("Inefficient") water use would be usage between 100% and 130% of the Tier I and II water budget (or Total Water Budget) and Tier IV ("Excessive") usage would be consumption over 130% of Total Water Budget.

POTABLE IRRIGATION CUSTOMERS

Potable Irrigation customers fall into one of two categories: Recreational or Functional. Recreational irrigation customers are those whose landscape is used mostly for recreational purposes (i.e. parks, soccer fields, etc.) while Functional irrigation customers will be those whose landscape is ornamental in nature (greenbelts, medians, etc.).

The irrigation water budget for dedicated irrigation customers in ccf is calculated as follows:

$$(\text{Weather data} * \text{Landscape area} * \text{ETAF}/1200) * \text{DF}_{\text{outdoor}}, \text{ where}$$

- Weather data (ET_0) as described in the section above,
- Landscape area is assumed to be the lesser of 100% of total parcel area or 100% of the measured landscape area served by each meter,
- ET adjustment factor (ETAF) is equal to 0.8 for Functional irrigation and 1 for Recreational irrigation customers based on the updated Model Water Efficient Landscape Ordinance, and
- DF_{outdoor} is the outdoor drought factor (set by the Board of Directors) which is proposed to be established at 0.50. This factor is not necessarily the same as the DF for indoor;

Under normal circumstances Customers may request a variance/adjustment to provide an equitable water budget for special circumstances such as, establishing new landscaping and changes in irrigation landscape area. Under Emergencies and Water Supply Shortage conditions, variances/adjustments may be limited.

All of an irrigation customer's Water Budget will be at Tier II ("Outdoor - Efficient"). Water use in excess of the Tier II water budget would be deemed inefficient and/or excessive. Tier III ("Inefficient") water usage would be between 100% and 130% of the Tier II budget and Tier IV ("Excessive") usage would be consumption over 130%.

1. ccf (100 cubic feet) = 748 gallons 2. Also in State of California Code of Regulations, Title 23, Section 490-495