

Dedicated Irrigation Meter and Water Budget Log

Site Name: _____

Irvine Ranch Water District

Meter Number: _____

www.irwd.com

Weather Station Zone: _____

ET Hotline: 949-453-5451 (English)

Water Use Type: _____ Acreage _____
(Recycled or Potable)

949-453-5452 (Spanish)

Today's Date	Today's Meter Reading	Minus	Previous Meter Reading	Equals	Water Usage		Budget Per Acre	Times	Site Acreage	Equals	Site Budget	Over/ Under
		-		=	CCF		CCF	x		=	CCF	
		-		=	CCF		CCF	x		=	CCF	
		-		=	CCF		CCF	x		=	CCF	
		-		=	CCF		CCF	x		=	CCF	
		-		=	CCF		CCF	x		=	CCF	
		-		=	CCF		CCF	x		=	CCF	
		-		=	CCF		CCF	x		=	CCF	
		-		=	CCF		CCF	x		=	CCF	
		-		=	CCF		CCF	x		=	CCF	
		-		=	CCF		CCF	x		=	CCF	
		-		=	CCF		CCF	x		=	CCF	
		-		=	CCF		CCF	x		=	CCF	
		-		=	CCF		CCF	x		=	CCF	
		-		=	CCF		CCF	x		=	CCF	
		-		=	CCF		CCF	x		=	CCF	
		-		=	CCF		CCF	x		=	CCF	
		-		=	CCF		CCF	x		=	CCF	
		-		=	CCF		CCF	x		=	CCF	
		-		=	CCF		CCF	x		=	CCF	
		-		=	CCF		CCF	x		=	CCF	
		-		=	CCF		CCF	x		=	CCF	
		-		=	CCF		CCF	x		=	CCF	

*If uncertain about climate zone, call IRWD Customer Service at **949-453-5300**.

Dedicated Irrigation Meter and Water Budget Log Example

Site Name: Efficient Villa HOA

Irvine Ranch Water District

Meter Number: 12345678

www.irwd.com

Weather Station Zone: Central

ET Hotline: 949-453-5451 (English)

Water Use Type: Recycled Acreage 0.78
(Recycled or Potable)

949-453-5452 (Spanish)

ET Weather
Center Data:
Weekly Budget

Water Usage - Site Budget = Over/Under

Today's Date	Today's Meter Reading	Minus	Previous Meter Reading	=	Water Usage	Budget Per Acre	Times	Site Acreage	=	Site Budget	Over/Under
8/2/21	4211	-		=	CCF	CCF	x		=	CCF	
8/9/21	4242	-	4211	=	31 CCF	47.37 CCF	x	0.78	=	36.95 CCF	-5.95
8/16/21	4271	-	4242	=	29 CCF	44.53 CCF	x	0.78	=	34.73 CCF	-5.73
8/23/21	4301	-	4271	=	30 CCF	31.27 CCF	x	0.78	=	24.39 CCF	5.61
8/30/21	4342	-	4301	=	41 CCF	43.90 CCF	x	0.78	=	34.24 CCF	6.76
9/6/21	4374	-	4342	=	32 CCF	36.00 CCF	x	0.78	=	28.08 CCF	3.92
		-		=	CCF	CCF	x		=	CCF	
		-		=	CCF	CCF	x		=	CCF	
		-		=	CCF	CCF	x		=	CCF	
		-		=	CCF	CCF	x		=	CCF	
		-		=	CCF	CCF	x		=	CCF	
		-		=	CCF	CCF	x		=	CCF	
		-		=	CCF	CCF	x		=	CCF	
		-		=	CCF	CCF	x		=	CCF	
		-		=	CCF	CCF	x		=	CCF	
		-		=	CCF	CCF	x		=	CCF	
		-		=	CCF	CCF	x		=	CCF	
		-		=	CCF	CCF	x		=	CCF	
		-		=	CCF	CCF	x		=	CCF	
		-		=	CCF	CCF	x		=	CCF	
		-		=	CCF	CCF	x		=	CCF	
		-		=	CCF	CCF	x		=	CCF	

OK
OK
OVER
OVER
OVER

*If uncertain about climate zone, call IRWD Customer Service at **949-453-5300**.

Using the Dedicated Irrigation Meter and Water Budget Log

Reading the Meter

Meters measure water used in Cubic Feet (CF) but budgets are based on Hundred Cubic Feet (CCF). To use IRWD's Meter and Budget Log, you need to read only the CCFs, which are the black on white numbers on the odometer portion of the dial. In this example, the meter shows **053702** CCFs. You need only record the **537** CCFs. However, for smaller sites (less than 1/4 acre) you may also want to read the first white on black number as a decimal.



How to Use the Log Sheet

1. Always read the meter on the same day of the week, from week to week, Mondays preferably.
2. Read the white numbers on the meter, which are in CCFs (hundred cubic feet). Note the date in the "Today's Date" column and the meter reading in the "Today's Meter Reading" column.
3. Wait a week and read the meter again. As before, note today's date and the meter read in the same columns. Write down the previous meter reading in the "Previous Meter Reading" column. Subtract to calculate the "Water Usage" and record the difference in the "Water Usage" column.
4. Call the ET Hotline* at **949-453-5451 Eng. Or 949-453-5452 Sp.** to get the Budget per acre for your climate zone. If you are not certain which climate zone this meter is in, call IRWD customer service at **949-453- 5300**.
5. Write in the acreage for this meter in the "Site Acreage" column. This number is on the water bill.
6. Multiply the "Budget. Per Acre" number by your "Site Acreage" to calculate the budget for this meter for last week. Write this number in the "Site Budget." column.
7. Subtract "Site Budget" from the "Water Usage". Write this number in the "Over/Under" column. If the number is positive, you are over budget and should make adjustments to the irrigation schedule.

*Note. Irvine Ranch Water District (IRWD) updates the ET Hotline each Monday. Weekly ET updates are also posted on IRWD's website, **www.irwd.com**. If you have any questions or concerns regarding water usage on your site, please call IRWD at **949-453-5437**.

Scheduling

Changes in scheduling will need to be done frequently during certain periods of the year, particularly fall and spring. In September, October and November, the rate of plants' Evapotranspiration (ET) typically drops steadily as days get shorter and the energy reaching the earth from the sun is less intense.

Conversely, ET increases by approximately 40 percent in April, but gradually less rapidly during May, June and July. IRWD recommends taking extra care to adequately irrigate during the spring and early summer to ensure that plants develop healthy root structures in this growing season.

Calculating ET

ET changes almost every day because the ET rate is calculated from weather data collected at three weather stations measuring these climate zones: Coastal (covering Newport Coast and Santa Ana Heights); Central (covering the City of Irvine, UCI, Tustin Ranch, and Lake Forest, except Foothill Ranch); and Foothill (covering Portola Hills and Foothill Ranch).

Each weather station monitors solar radiation, air temperature, wind speed, humidity, and other Evapotranspiration factors, 24 hours per day, seven days per week. As every site is assigned to one of these weather stations, the budget for each site will increase and decrease in response to all weather factors in its specific climate zone. If you're not sure which climate zone your site is located in, please call IRWD at (949) 453-5300.

How Budgets Work

Landscape water-use budgets are determined by the square footage of irrigated landscape and the ET for exactly those days that occurred during the billing cycle. Because ET changes daily, the budget will change with every bill.

Budgets have several buffers built in, so your usage should **always** be **below** your budget. For example, IRWD assumes that all recycled water landscape accounts are 100 percent warm season turf located in 100 percent sun. There is also an inefficiency factor built into the formula because you are not expected to change your controllers daily nor have a perfect irrigation system. If you believe you have more acreage than is indicated on your bill, contact Juan Garcia at 949-453-5437.