



WATER EFFICIENT LANDSCAPE WORKSHEET

COMMUNITY DEVELOPMENT DEPARTMENT / PLANNING DIVISION
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This worksheet is filled out by the project applicant and it is a required element of the Landscape Documentation Package. Please complete all sections of the worksheet.

Applicant (if applicable):

Phone:

Address:

Fax:

Email:

Property Owner:

Phone:

Address:

Fax:

Email:

Property Location:

Address:

Assessor's Parcel Number:

I. Hydrozone Information Table:

Complete the hydrozone table(s) for each irrigation point of connection. Use as many tables as necessary to provide information on the total landscaped area.

Irrigation Point of Connection (P.O.C.) # _____

A	B	C	D	E	F	G	H
Hydrozone #/ Planting Description	Plant Factor (PF)	Irrigation Method (IE)	Irrigation Efficiency (IE)	ETAF (PF/IE)	Landscape Area (sq. ft.)	ETAF x Area	Estimated Total Water Use (ETWU)

Regular Landscape Areas

				Totals	(A)	(B)	

Special Landscape Areas

				Totals	(C)	(D)	
				ETWU Total			
				Maximum Allowed Water Allowance (MAWA)			

Hydrozone Category is based on the feature or plant within the hydrozone with the highest plant factor.

Hydrozone Category	PF—Plant Factor (range)
High Water Use	0.7 to 1.0
Moderate Water Use	0.4 to 0.6
Low Water Use	0.1 to 0.3
Very Low Water Use	0 to 0.1

Irrigation Method Code	IE – Irrigation Efficiency
S = Spray	0.75
D = Drip	0.81

2. Maximum Applied Water Allowance (MAWA):

The project's Maximum Applied Water Allowance shall be calculated using this equation:

$$\text{MAWA} = (\text{ETo}) (0.62) [(\text{ETAF} \times \text{LA}) + ((1 - \text{ETAF}) \times \text{SLA})]$$

Where :

MAWA = Maximum Applied Water Allowance (gallons per year)

ETo = Reference Evapotranspiration (50.40 inches per year)

LA = Landscaped Area including Special Landscape Area (square feet)[excludes non-irrigated areas]

0.62 = Conversion factor (to gallons per square foot)

SLA = Portion of the landscaped area identified as Special Landscape Area (square feet) [dedicated solely to edible plants, recycled water use, and water features that use recycled water].

Show values:

ETo = 50.40 inches per year

LA = _____ sq. ft. (Total from Column F of Hydrozone Information Table)

SLA = _____ sq. ft.

Show calculation:

Regular Landscape Area (Note: Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential areas).

Total ETAF x Area	(B)
Total Area	(A)
Average ETAF	$B \div A$

All Landscape Areas

Total ETAF x Area	(B + D)
Total Area	(A + C)
Average ETAF	$(B + D) \div (A + C)$

3. Estimated Total Water Use (ETWU):

The project's Estimated Total Water Use is calculated using the following formula:

$$\text{ETWU (Annual Gallons Required)} = \text{Eto} \times 0.62 \times \text{ETAF} \times \text{Area from the Hydrozone Information Table on first page}$$

Where:

ETWU = Estimated total water use per year (gallons)

ETo = Reference Evapotranspiration (inches)

For La Mesa, ETo = 50.40 inches per year

Show calculation:

Estimated Total Water Use = _____ gallons per year.

The calculated ETWU must not exceed the MAWA derived in Section 2.