
**APPENDIX I PRELIMINARY MODEL WATER-EFFICIENT
LANDSCAPE ORDINANCE CALCULATIONS**

WATER EFFICIENT LANDSCAPE WORKSHEET

This worksheet is filled out by the project applicant and it is a required element of the Landscape Documentation Package

Project Name:	Carson Country Mart	
Project Address:		

Reference Evapotranspiration (ETo)	43.8	In./Yr.	Residential Project?	No
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Hydrozone # / Planting Description ^a	Plant Factor	Irrigation Method ^b	Irrigation Efficiency (IE) ^c	ETAF (PF / IE)	Landscape Area (Sq. Ft.)	ETAF x Area	Estimated Total Water Use (ETWU) ^d
Regular Landscape Areas							
1. Low Water Use Plantings	0.20	Drip	0.81	0.25	585,942	146,406	3,975,801
2. Moderate Water Use Plantings	0.50	Drip	0.81	0.62	146,485	90,821	2,466,335
3. Moderate Water Use Turf	0.80	Overhead	0.75	1.07	33,208	35,533	964,934
Totals:					765,635	272,760	
Estimated Total Water Use (ETWU) Total:							7,407,070
Maximum Applied Water Allowance (MAWA)^e:							9,479,616

^a Hydrozone # / Planting Description	^b Irrigation Method	^c Irrigation Efficiency
E.g.	Overhead Spray of	0.75 for Spray
1.) Front Lawn	Drip	0.81 for Drip
2.) Low Water Use Plantings		
3.) Medium Water Use Plantings		

^a ETWU (Annual Gallons Required) = ETo x 0.62 x ETAF x Area

Where 0.62 is a conversion factor that converts acre-inches/acre/year to gallons/square foot/year.

^e MAWA (Annual Gallons Allowed) = ETo x 0.62 x [(ETAF x LA) + ((1 - ETAF) x SLA)]

Where 0.62 is a conversion factor that converts acre-inches/acre/year to gallons/square foot/year, LA is the total landscape area in square feet, SLA is the total special landscape area in square feet, and ETAF is 0.55 for residential projects and 0.45 for non-residential projects.

Evapotranspiration Adjustment Factor (ETAF) Calculations

This non-residential project complies with the WELO and its average ETAF is less than 0.45

Regular Landscape Areas	
Total ETAF x Area	272,760
Total Area	765,635
Average ETAF	.37

All Landscape Areas	
Total ETAF x Area	272,760
Total Area	765,635
Average ETAF	.37

