



CARSONSCAPE

Model Water Efficient Landscape Ordinance (MWELO)

Performance Compliance

MWELO WATER EFFICIENT LANDSCAPE WORKSHEET

Reference Evapotranspiration (ET_o) = 39.7 (annual ET_o per State Reference Table)

Hydrozone # /Planting Description ^a	Plant Factor (PF)	Irrigation Method ^b	Irrigation IEfficiency (IE) ^c	ETAF (PF/IE)	Landscape Area (sq. ft.)	ETAF x Area	Estimated Total Water Use (ETWU) ^e
Regular Landscape Areas							
				Totals	(A)	(B)	
Special Landscape Areas							
				1			
				1			
				1			
				Totals	(C)	(D)	
						ETWU TOTAL	
						Maximum Applied Water Allowance (MAWA)^e	

^a**Hydrozone #/Planting Description**
E.g
1). front lawn
2). low water use plantings
3). medium water use planting

^b**Irrigation Method**
overhead spray
or drip

^c**Irrigation Efficiency**
0.75 for spray head
or drip 0.81 for drip

^e**ETWU (Annual Gallons Required) =**
 $ET_o \times 0.62 \times ETAF \times Area$
Where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year.

^e**MAWA (Annual Gallons Allowed) =** $(ET_o) (0.62) [(ETAF \times LA) + ((1-ETAF) \times SLA)]$
Where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year, LA is the total landscape area in square feet, SLA is the total special landscape area in square feet, and ETAF is .55 for residential areas and 0.45 for non-residential areas.

ETAF Calculations

Regular Landscape Areas

Total ETAF x Area	(B)
Total Area	(A)
Average ETAF	B÷A

Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential areas.

All Landscape Areas

Total ETAF x Area	(B+D)
Total Area	(A+C)
Sitewide ETAF	(B+D) ÷ (A+C)