

WATER EFFICIENT LANDSCAPE WORKSHEET

Reference Evapotranspiration (ETo) **51.00** ETAF for MAWA **0.55** (Residential)

Hydrozone # /Planting Description ^a	Plant Factor (PF)	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							
WQ basins	0.50	spray	0.75	0.67	3,959	2,639	83,456
WQ basins	0.50	drip	0.81	0.62	374	231	7,300
dripline areas	0.50	drip	0.81	0.62	13,589	8,388	265,237
MFR. Slopes	0.20	drip	0.81	0.25	29,818	7,362	232,800
"natural" areas	0.20	drip	0.81	0.25	51,264	12,658	400,239
pool & spa	1.00	n/a	1.00	1.00	1,278	1,278	40,410
				Totals	100,282	32,557	1,029,442
Special Landscape Areas							
turf				1			
moderate plants				1			
low water plants				1			
				Totals			
						ETWU Total	1,029,442
						Maximum Allowed Water Allowance (MAWA)^e	1,744,002

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

^bIrrigation Method
 overhead spray
 or drip

^cIrrigation Efficiency
 0.75 for spray head
 0.81 for drip

^dETWU (Annual Gallons Required)
 = Eto x 0.62 x ETAF x Area
 where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year.

^eMAWA (Annual Gallons Allowed) = (Eto) (0.62) [(ETAF x LA) + ((1-ETAF) x 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	32,557
Total Area	100,282
Average ETAF	0.32

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	32,557
Total Area	100,282
Sitewide ETAF	0.32

Eto data for **Thousand Oaks (Ventura county)**
 from **MWELo Appendix A** **7/29/16**