



CUPERTINO

WATER BUDGET WORKSHEET

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PART 1: PROPERTY INFORMATION

PROJECT ADDRESS _____			A.P.N. _____
REFERENCE ETo 45.3	TOTAL LANDSCAPE AREA _____ SQ. FT.	NON-TURF PLANT AREA _____ SQ. FT.	SPECIAL LANDSCAPE AREA _____ SQ. FT.

PART 2: SAMPLE HYDROZONE TABLE

REGULAR LANDSCAPE AREA							
HYDROZONE	PLANT FACTOR (PF)	IRRIGATION METHOD	IRRIGATION EFFICIENCY (IE)	ETAF (PE/IE)	LANDSCAPE AREA (SQ. FT.)	ETAF X LANDSCAPE AREA	ETWU
				TOTALS	(A)	(B)	(Y)
SPECIAL LANDSCAPE AREA							
				1			
				1			
				TOTALS	(C)	(D)	(Z)

PART 3: WATER BUDGET CALCULATIONS

$(Y) + (Z) \text{ (ETWU)} < \text{ (MAWA)}$

PART 4: ETAF CALCULATIONS

<p>Average ETAF for Regular Landscapes = (B) ÷ (A)</p> <p>_____ (ETAF) < (0.55 for residential)</p> <p>_____ (ETAF) < (0.45 for non-residential)</p> <p>Site-wide ETAF = (B + D) ÷ (A + C)</p> <p>_____ Site-wide ETAF</p>

DEFINITIONS

- **HYDROZONE:** Put in hydrozone #, letter, or planting description. (e.g. 1, 2, 3; A, B, C; front porch, adjacent to driveway, front lawn, etc.)
- **PLANT FACTOR (PF):** Use WUCOLS to determine Plant Factor. Plant factors are 0- 0.1 for very low water use plants, 0.1-0.3 for low water use plants, 0.4-0.6 for moderate water use plants, and 0.7-1.0 for high water use plants.
- **IRRIGATION METHOD:** Overhead spray or drip
- **IRRIGATION EFFICIENCY (IE):** 0.75 for spray and 0.81 for drip
- **ETAF:** The maximum average EvapoTranspiration Adjustment Factor for residential properties, exclusive of Special Landscape Areas, is 0.55 and for non-residential properties is 0.45; ETAF for new and existing Special Landscape Areas shall not exceed 1.0.
- **ETo =** evapotranspiration rate means the quantity of water evaporated from adjacent soil and other surfaces and transpired by plants during a specified time
- 0.62 is a conversion factor that converts acre-inches/acre/year to gallons/sq.ft./year.

FORMULAS

ETWU = ETo x 0.62 x (ETAF x Landscape Area)
 Estimated Total Water Use

MAWA = ETo x 0.62 x [(ETAF x Landscape Area) + ((1-ETAF) x SLA)]
 Maximum Applied Water Allowance