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

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
E.g.
1.) Front Lawn
2.) Low Water Use Plantings
3.) Medium Water Use Plantings

[b] Irrigation Method
Overhead Spray of
Drip

[c] Irrigation Efficiency
0.75 for Spray
0.81 for Drip

[d] 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