

GREEN CIRCLE
WATER EFFICIENT LANDSCAPING CALCULATIONS
Credit 1.1 - Reduce by 50%
Credit 1.2 - No Potable Water Use or No Irrigation

DESIGN CASE (July)

Landscape Type	Area [sf]	Species factor (ks)	Density Factor (kd)	Microclimate Factor (kmc)	ETO	KL	ETL [in]	IE	TWA [gal]	TPWA [gal]
Mixed	4458	0.2	1.1	1	5.27	0.22	1.1594	0.9	3579.55	-6420.45

BASELINE CASE (July)

Landscape Type	Area [sf]	Species factor (ks)	Density Factor (kd)	Microclimate Factor (kmc)	ETO	KL	ETL [in]	IE	TWA [gal]	TPWA [gal]
Groundcover	4458	0.5	1	1	5.27	0.5	2.635	0.625	11714.88	11714.88

Percent Reduction of Potable Water 154.81%

Percent Reduction of Total Water 69.44%

RAINWATER COLLECTION

COLLECTION AREA (SF)	18,000
COLLECTION EFFICIENCY (%)	90.00%
AVERAGE RAINFALL - JULY (IN)	2.92
GIVEN MULTIPLICATION FACTOR (GAL/IN)	0.6233
RAINWATER VOLUME	29,484.58
CISTERN SIZE (GAL)	10,000