RENEWABLE PROPERTIES

Lake Herman Solar Water Consumption Analysis			
Year 0 - 2			
Landscape Water Use		**Gallons**	**Acre Feet**
Shrubs	10 gal/plant/week for 40 weeks	140,000	0.079
Trees	15 gal/tree/week for 40 weeks	25,800	0.430
O&M Water Use			
Module Washing	80,000 gal/cleaning	160,000	0.491
Annual Total Use		325,800	1.000
Year 3 - 5			
Landscape Water Use			
Shrubs	5 gal/plant/week for 40 weeks	70,000	0.396
Trees	7.5 gal/tree/week for 40 weeks	12,900	0.215
O&M Water Use			
Module Washing	80,000 gal/cleaning	160,000	0.491
Annual Total Use		242,900	1.102
Year 6+ [3]			
Landscape Water Use			
Shrubs		0	
Trees		0	
O&M Water Use			
Module Washing	80,000 gal/cleaning	160,000	0.491
Annual Total Use		160,000	0.491

Notes:

1) These are estimates and may change based on final plant selection and amount of actual module washing required by the plant.

2) We expect to only do a module wash twice a year

3) Year 6 assumes full maturity of all species and no further active watering needs

4) Source: Sandia Labs Report. (July 2013). Water Use and Supply Concerns for Utility-Scale Solar Projects in the Southwestern United States.
http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.490.1952&rep=rep1&type=pdf.

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