

Exhibit One: Prototypical Operating Requirements, Alternative Energy Equipment Manufacturing

Category	SOLAR				WIND			BIOMASS
	CASTING	Cell	Modules	Systems Assembly	Towers	Blades	Nacelles	
Real Estate								
Site (Acres)	300+	75-150	25-75	3-6	100-200	100-200	35-65	75-150
Building (SF)	750,000	500,000	250,000	20,000	200,000-400,000	250,000-500,000	100,000-300,000	100,000-200,000
Ceiling Height (Feet)	25	25	25	25	30-40	50-60	25	25
Capital Investment	\$1 billion	\$100-200 million	\$25-40 million	\$0.5-1.5 million	\$150-250 million	\$100-200 million	\$50-100 million	\$25-75 million
Utilities								
Electric Power								
KW	13,000	2,000	1,500	500	3,000	2,500	2,000	3,200
kWh	8.5 million	1.2 million	750,000	50,000	1.5 million	1.2 million	1.0 million	1.8 million
Water (mgd)	5	0.5	0.3	0.1	0.3	0.4	0.2	0.7
Natural Gas (mcf)	175,000	20,000	12,000	2,500	26,000	18,000	10,000	90,000
Transportation								
Market Access	No	No (but desirable)	Yes	Yes	Yes	Yes	Yes	No
RM Access	Yes	No	Yes	Yes	No	No	No	Yes
Rail Service	Yes	No	Possible	No	Yes	No	No	Yes
Motor Carrier Services	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Four-lane Highway	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Labor								
Production	250	150	125	10	200	250	125	150
Tech/Eng,	200	150	100	20	125	120	100	35
Other	<u>50</u>	<u>50</u>	<u>25</u>	<u>5</u>	<u>25</u>	<u>30</u>	<u>15</u>	<u>15</u>
Total	500	350	250	35	350	400	240	200