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## Wind Farm Area Calculator

This calculator estimates land-area requirements for wind power systems. The results indicate a "footprint" of land that has to be taken out of production to provide space for turbine towers, roads, and support structures.

The "footprint," which is typically between 0.25 and 0.50 acres per turbine, does not include the 5-10 turbine diameters of spacing required between wind turbines. Because of this spacing, the area included within the perimeter of the wind farm will be larger. However, it is important to note that the land between the turbines - minus the "footprint" area - is still usable for its original purpose.

Input Value	1000	(kW)	
Area per turbine	0.38	(Acres)	
Size of turbine	500	(kW)	

The estimated land area required is: **0.76 acres.**

This calculation assumes **1,000 kW** and **2 turbines** each requiring an area of **0.38 acres.**

Note: This value represents the area taken out of production on a farm.

The area within the perimeter of the wind farm will be larger due to spacing of the turbines, but is still useable by the farm.

Typical turbine spacing in wind farms is placing the towers 5 to 10 turbine diameters apart, depending on local conditions.

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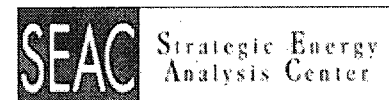
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