

### Grain Belt Express Exhibit 11.1

#### Calculation of Wind Resource Potential Within 40 Miles of Grain Belt Express Western Converter Site

	A	B	C = A*B
<u>NREL Estimated</u> <u>Mean Annual</u> <u>Windspeed 80mm</u>	<u>Area (in sq km)</u> <u>within 40 miles of</u> <u>Converter Site<sup>(1)</sup></u>	<u>Conversion</u> <u>MW/sq km<sup>(2)</sup></u>	<u>Resource Potential</u> <u>(MW)</u>
8.0 - 8.5 m/s	4,869	5	24,347
8.5 - 9.0 m/s	5,791	5	28,957
9.0 - 9.5 m/s	34	5	170
<i>Total</i>	<i>10,695</i>		<i>53,474</i>

(1) Wind speed data obtained from NREL at  
[http://apps2.eere.energy.gov/wind/windexchange/wind\\_resource\\_maps.asp?stateab=ks](http://apps2.eere.energy.gov/wind/windexchange/wind_resource_maps.asp?stateab=ks)

(2) NREL Estimates of Wind Energy Potential (see footnote 1 of Grain Belt Express Exhibit 11.0)