

# WIND ENERGY

▶ *Strength Point*

Feature	Wind Energy	Coal Power
<b>Fuel cost</b>	▶ Not required	Varies depending on the cost of coal
<b>Operating and maintenance costs</b>	▶ Low	High
<b>Investment costs</b>	▶ Higher	High
<b>Capacity factor</b>	20-50%	▶ 80-90%
<b>Land use</b>	▶ Low	High
<b>Emissions</b>	▶ Zero	CO <sub>2</sub> , SO <sub>2</sub> , NO <sub>x</sub> , and other pollutants
<b>Water consumption</b>	▶ Low	High
<b>Job creation</b>	Moderate	▶ High
<b>Lifespan</b>	20-30 years	▶ 40-60 years

Source : US Energy Information Administration, US Energy Department, PTKP Analysis

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