

## Kongres Container

**All base station wind power sources are disconnected**



## Overview

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Do wind turbine generators and static VAR sources need to be protected?

Although the report addresses coordination with wind turbine generator protective devices and static VAR sources, protection of the wind turbine generators and static VAR sources themselves is not included. Large WEPPs are becoming more prevalent as generation sources on the power system.

Can a wind turbine be dispatched?

Unlike conventional power plants, wind turbines cannot be “dispatched” in response to fluctuating demand needs. Wind turbines respond only to the wind, so their contribution to supply is . The wind may be high when demand is low, or vice versa.

How are wind turbine records collected & compiled?

Wind turbine records are collected and compiled from various public and private sources, digitized or position-verified from aerial imagery, and quality checked. Technical specifications for turbines are obtained directly from project developers and turbine manufacturers, or they are based on data obtained from public sources.

What is a land-based wind energy project?

Land-based, utility-scale wind energy projects use highly efficient, state-of-the-art wind turbines that generate cost-competitive electricity at power-plant scales. They can be owned and run by a utility company that then sells the power the plant makes to users, like homeowners, who connect to the electrical grid.

Can a wind power plant be reconnected?

Once the line was tested satisfactorily from the utility, the wind plant could be reconnected in the normal manner. Wind power plants are different from conventional generation in that there are typically numerous relatively small

wind turbine generators (WTG) distributed geographically over a wide area.

Does wind power affect base load?

Wind power has no effect on base load. However, since base load providers can not be ramped down, if wind turbines produce power when there is no or little peak load, the extra electricity has to be dumped (e.g., into the ground) or the wind turbines turned off ("curtailment"). How does wind power affect peak load?

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