



Wind Monitoring Study

Alice Springs Future Grid's Wind Monitoring Study will provide baseline information to inform future wind power opportunities and find out if wind power can complement solar power in Alice Springs.

Alice Springs is a Solar City, with wind power not historically considered viable with the technology available at the time. The study will consider whether improvements in efficiency and costs of wind turbines mean that wind power could be added to the renewable energy mix for our town.

The study will use mobile SODAR equipment to measure wind speed and wind direction at up to 100m above ground level, at two locations in Alice Springs over the course of a year. The data will be publicly available on the Future Grid website at the end of the study.

The equipment will be stationed at the Desert Knowledge Precinct—to provide a comparison with the existing wind monitoring data from that site—and near the Owen

Springs Power Station. No wind turbines are being proposed for these locations. Site selection for the monitoring equipment considered a range of criteria to ensure the locations were safe, economically sustainable, and environmentally sound. These included land tenure and topography, wind speed, distance to the grid, Indigenous heritage sites, visual impact, impact on wildlife, and public acceptance.

A financial model, developed with the wind resource data, will provide some insight into the viability of wind power in Alice Springs.

Quick facts

- The Future Grid wind monitoring study will measure wind speeds at two locations in Alice Springs.
- Wind power has potential to be a low-cost source of renewable energy.
- Wind power can be generated day and night and may complement our existing solar resource.
- The study will help to inform future wind power opportunities. A wind farm is not currently being proposed.

The Alice Springs Future Grid project will help transform the power system to support more renewable energy and help our town to meet the Northern Territory's renewable energy target.



Learn more: www.alicespringsfuturegrid.com.au