

Walcha Energy:

Some facts about wind energy

FACT SHEET



Why build a wind farm here?

Wind power is currently the cheapest source of large-scale renewable energy. The natural wind resources around the Walcha plateau is highly suited to generating electricity.



How do wind turbines work?

Wind turbines capture wind energy within the area swept by their blades. The spinning blades drive an electrical generator that produces electricity to go into the grid.



Has wind turbine technology changed?

Technological advances in the sector mean that wind turbines are now more efficient and make better use of the available wind. The new technology means that fewer turbines are needed to produce the same amount of energy.



Are wind turbines noisy?

No. Wind turbines are highly efficient in creating energy using simple mechanical components and the power of the wind. Blades are aerodynamically designed to move through the air with as little resistance as possible. This means that turbines are very quiet, particularly when compared to the noise of the wind itself. As a developer we must consider the potential noise impacts of a wind energy project at all stages of the project. The NSW planning rules are designed to ensure that noise levels do not significantly affect the living experience of people residing in the area.



What happens to wind farms once they finish operating?

Wind farms have an average life expectancy of 25 years – most will operate longer than this. At the end of its useful life the wind farm will be decommissioned and the site restored to its original condition. This includes all associated surrounding infrastructure.



How can I express my view about this project?

Walcha Energy is passionate about ensuring that the community is fully involved and completely informed about all aspects of its project that will include wind, solar and pumped hydro. You can visit our website www.walchaenergy.com.au, send us an email info@walchaenergy.com.au or telephone us on 0450554767.