Project Benefits

Silverton Wind Farm Developments is proposing to build what will be the largest wind farm in Australia. The project will provide both environmental and community benefits throughout the life of the wind farm. The major environmental benefits of the wind farm include:

- Production of approximately 3,500,000 MWh of renewable electricity per annum, sufficient for the average consumption of around 438,000 homes;
- Reduction in greenhouse gas emissions of approximately 3.5 Million tonnes of carbon dioxide (equivalent) per annum, the equivalent of taking 800,000 cars off our roads; and
- Savings in water consumption of approximately 4,800 Million litres per annum of potable water (this is the amount of water required to produce the same amount of electricity from coal fired power stations).

Community Benefits

Silverton Wind Farm Developments is committed to developing the Silverton wind farm in a way which minimises adverse local impacts and maximises the benefits of the project to the local community and broader population. We are proposing community benefits which include:

Community Benefit	Description
Silverton Community Fund	This fund will be designed to provide benefits that can be enjoyed by the entire community of Silverton. This could include event sponsorship, promoting tourism, or improving local sporting facilities and local infrastructure.
Solar Silverton	Additional funding to provide highly discounted solar energy systems such as solar hot water, solar photovoltaic and energy efficiency packages.
Improving local infrastructure	Construction of the wind farm will require upgrading access roads and intersections in the Silverton region.
Increase in jobs	During its construction, the wind farm has the potential to deliver in excess of 700 jobs during the five year construction phase. Wherever possible businesses from the Broken Hill region will be involved. There could be as many as 120 ongoing jobs created for operation and maintenance of the wind farm over its 30 year life.
Tourism	Experience has shown that tourists and motorists will be interested to learn more about the wind farm. Signage would be erected at carefully selected locations. We would work with the community assist the development of community agreed tourist and visitor facilities relating to the wind farm.

Silverton community fund

As part of the development proposal, we are proposing to establish the Silverton Community Fund, to provide for local environmental benefits and community facilities which benefit the Silverton community.

The intention is that these funds are spent on community facilities within the local area (i.e. within 10 kilometres of the wind farm). Potential projects could include:

- Event sponsorship
- Tourism promotion
- Local sporting facilities
- Community parklands (e.g. Penrose Park)
- Academic and vocational scholarships
- Rural fire service support
- Local heritage management

Funding would be determined on an as needs basis during the life of the wind farm, and would be set aside for specific community projects and initiatives. Funding would not replace existing government funding, however could be used to support government funding.

The structure of the fund and its management will be determined in consultation with the local community, and in particular the Silverton Village Committee, the Penrose Park Trust and the Silverton Commons Trust.

Solar Silverton

In addition to the community fund, we would offer highly discounted solar water heating, solar power systems (sometimes called “PV” or “photovoltaics”), and energy efficiency packages for residences surrounding the site and in the Silverton village.

The Solar Silverton program would commence at start of construction of the wind farm and be completed within 2 years of completion of construction. Under the program, the proponent would offer residents within 10km of the wind farm the clean energy package.

As a result, residents will benefit from energy cost reductions, and also an improved property value for their home. In addition, the solar facilities will provide a visible example of Solar Silverton. Due to the heritage qualities of Silverton not all houses will be suitable for the installation of solar energy equipment. We plan to work with residents to ensure heritage issues are taken into consideration when designing and locating solar systems.

<u>Energy Efficiency Package</u>

This package would include energy efficient lights, 3 star (AAA) shower roses, tap aerators and flow restrictors as well as detailed information on efficient use of the energy in the home and Green Power. This would be offered at no cost to the homeowner.

<u>Solar Water Heating</u>

A range of solar water heaters would be offered providing options for the homeowner to reflect varying numbers of residents at each house. The homeowner would select the appropriate system for their residence from a list of products available.

Silverton Wind Farm Developments would source the products arrange to install the system. After installation, benefit would be seen through significantly lower energy bills for the life of the product.

Solar Power Generation

A 1 kilowatt (peak) solar power (PV) system would be offered to residents who have committed to reduce their energy requirements by installing the Energy Efficiency package and Solar Water Heating package.

Solar photovoltaic systems have high one-off costs and low to negligible operating costs. Again we would source power systems at competitive prices and arrange to install the systems at no cost to the homeowner.

Please note it is possible for Silverton Wind Farm to do this wehre Government rebates apply. The systems are being offered on the basis of existing Government support levels of $8,000 per kilowatt (for a 1kW power system) and up to $1800/system (for solar water heating). Therefore, the offer is made on the basis that the residence complies with the rebate requirements of these programs.

Average Costs and Rebates for Solar Systems

	Average cost to install	Government rebate	Installation fee
Energy Efficiency package	$260	-	$0
Solar Hot Water system	$ 3,920	$1,800	$0
Solar Photovoltaic	$13,000	$8,000	$0
Total amount	$17,180	$9,800	$0

Information, including terms and conditions, can be found on the following websites:

Solar PV rebate at:
http://www.environment.gov.au/settlements/renewable/pv/index.html

Federal Solar hot water rebate:

http://www.environment.gov.au/settlements/renewable/solarhotwater/

NSW hot water rebate DECC:

http://www.environment.nsw.gov.au/rebates/ccfhws.htm

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