THE PROJECT

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The proposal is for No. ~120,000 (2m2 / panel) solar PV panels on approximately 120ha of grazing land. The panels will be fixed onto a single axis tracking mounting system facing east/west, which are piled into the ground, causing minimal soil disturbance. The construction for the Project is expected to last about 12-18 months.
The panels stand 0.8m - 2.4m off the ground, allowing for grazing livestock on the grass beneath. Our aim is to reduce the impact of the development and so only small amounts of concrete are used and all of the installation can be easily removed at the end of the lifetime of the project.

OUTPUT
The project will produce 64 Megawatts of green, renewable energy for the local network.
The scheme will generate enough electricity to supply 20,000. It will also save over 135,500 tonnes of CO_2 per annum.

THE SITE
The site is situated on 120ha of agricultural land either side of Hermitage Road, approximately 20km west of Wodonga. The application site consists of a number of fields enclosed by post and wire fences. The fields are currently in agricultural use and are grazed.

THE ECOLOGICAL BENEFITS
Under sowing the scheme with long term pasture will further improve the biodiversity of the site, and allow grazing to continue throughout the lifetime of the project.

Benefits of Barnwartha Solar Farm

- **Energy security –** this project will produce clean energy for the local area, first and foremost, whilst also contributing to achieve the state's renewable energy target
- **Local construction job opportunities –** during construction we anticipate over 100 jobs to be created for the project and we welcome local contractors to get in touch regards the opportunities. Jobs will include surveyors, engineers, civil contractors, metal fabricators, electricians, fencing, security and telecommunications specialists, builders and general labourers.
- **Post construction job opportunities –** a number of jobs will be created such as panel cleaning & maintenance, general testing and inspecting of electrics and general site maintenance and upkeep.
- **Local Business tender opportunity –** we are actively encouraging local business to get in touch with us to register their interest in the project so we can look to get as many local companies involved as possible. Local workers will be sought as a priority, while additional workers from outside the region will stimulate the local economy through demand for accommodation, hospitality and retail services. ARP is committed to utilising local services wherever possible, including accommodation, fuel providers, food outlets and use of local sub-contractors.
- **Educational Visits –** will be available to local schools wishing to visit to understand more about the project and what is involved.
- **Public Site noticeboard –** will be in place to explain to the local area and any passers-by what the project details are.
- **Land use –** the land will continue to be grazed following construction completion and minimising land disturbance and vegetation clearing have been adopted as key principals of the project's design. Planting of replacement vegetation will take place in designated locations.
- **Ecological enhancements -** the site will be developed to ensure the long term protection and enhancement of the local ecological habitat.

Further Information

Please see www.barnwarthasolar.com.au for information. Please get in touch with your comments info@barnwarthasolar.com.au

Contact us

Email: info@barnawarthasolarfarm.com.au
www.barnawarthasolarfarm.com.au

SUPPORT A CLEAN ENERGY FUTURE

NOW IS THE TIME FOR SOLAR PV

Wirsol Energy's Gannawarra Solar Farm

64 MW Barnwartha Solar & Energy Storage Farm

WIRSOL
YOUR PARTNER IN RENEWABLE ENERGY

ARP Australian Solar Pty. ltd

WORKING WITH WIRSOL ENERGY & ARP

Wirsol Energy are co-developing this project with ARP Australia Solar.

Wirsol Energy is behind of the largest solar and battery project so far – Gannawarra, VIC - which it co-developed with Edify Energy.

Wirsol Energy is a long term owner and developer of a portfolio of more than 700MW projects across Australia. We currently have a 400MW portfolio of completed projects including Wemen, Clermont, Whitsunday, Hamilton, and Gannawarra Solar Farms, and have recently delivered the 149MW Glenrowan West Solar Farm in Glenrowan, Victoria. Our vision is to continue to develop out a portfolio of inclusive Renewable Energy Power Stations to support the decarbonisation of Australia and the rest of the globe.

ARP has been developing utility scale renewable energy projects since 2013 and are passionate about driving a cleaner and more sustainable future. We work with communities to ensure projects are tailored to suit the local environment and deliver clean renewable energy.

WIRSOL
YOUR PARTNER IN RENEWABLE ENERGY

ARP Australian Solar Pty. ltd

Our Key Objectives are to:-

- Contribute towards providing a sustainable future for the energy sector, and combat climate change:
- Keep land within agricultural use by facilitating grazing on site for the lifetime of the project.
- Bring energy and employment to local communities;
- Return the land to its original use after the development in order to maintain the agriculturally focused area.

THE BENEFITS OF SOLAR FARMS...

Project Evolution 2018 to 2022

Since our first public consultation in 2018, we have taken on board ideas, comments and opinions made by the local community. As a result we have worked with our planning & grid teams and have developed the project in the following ways –

- All access for the solar farm from Baxter-Whelan's Rd only using existing access points.
- A bond has been agreed with VicRoads to ensure construction does not have a negative impact on the public roads.
- Increased native planted screening along the Murray Valley Hwy.
- Increased the fire buffer around the solar farm.
- Wirsol Energy came on board with the project in 2021 and this brings a wealth of experience and knowledge.
- Solar Farm substation has been relocated to the SE corner of the site to reduce impacts.
- The grid connection methodology has been altered to keep the connection cable as discreet as possible.

Community Conscious

Our teams are committed to building a strong relationship with the local community to facilitate seamless communication. We aim to keep an open dialogue with residents and the wider community to ensure successful exchange of information, consultation and engagement throughout this project to create a world class development.

Why This Site?

This site has been chosen for a number of reasons, including –

1. GRID CONNECTION
- The main factor for identifying and choosing the site is the location to the grid. The site is ~2.5km of the substation at Logic which is the point of connection. This allows for a firm and reliable connection to the National Grid.

2. LAND
- Grazing land has been identified and as such no agricultural land will be lost as grazing will continue on the land post construction.
- Limited native vegetation / biodiversity shall be lost. Where native vegetation is lost, an offset scheme will be introduced to mitigate against these losses.

3. LOCAL SUPPORT
- High levels of support for renewable energy projects, ranging from State level and local council level to the local public. This allows for us to ensure we develop the most suitable project possible in conjunction with the key stakeholders.

4. SOLAR IRRADIATION AND ELECTRICITY DEMAND
- Barnawartha Solar Farm has extremely high levels of solar irradiation and allow for a high performing renewable energy system. Demand for electricity in the surroundiNg area is increasing year on year.

A typical 64 MW AC installation will:
supply electricity for 20,000 average households

Generate CO2 Savings = 135,000 tonnes / annum