



*Looking north up Geodetic North Road with the solar farm site to the right.*

<b>What is proposed?</b>	A 440MW solar farm – one of the largest in Victoria
<b>Where will it be?</b>	On Old Corop Road, around five kilometres northwest of Rushworth, Victoria. The site is just over 1,000 hectares.
<b>What will it cost?</b>	\$520 million
<b>What about jobs?</b>	Jobs for up to 700 people at peak construction Ongoing jobs for up to 30 people
<b>What is the timeframe?</b>	Final timing depends on approvals, final design, and of course what happens with COVID 19 restriction. We're working towards: Mid 2020 – Planning Permit application finalised End 2020 – construction starts End 2022 – farm is operational
<b>Who is developing the project?</b>	The project is owned and developed by the Leeson Group an Australian owned, Melbourne based renewable energy company. Leeson Group has developed several other large scale solar developments in Victoria. As well as having a well established business in smaller scale developments
<b>What's so good about the site you've chosen?</b>	The site meets all the requirements the Victorian Government has for siting large scale solar facilities. You can read more about this in: Fact Sheet #2 – What is a solar farm. The site also: Is a substantially altered agricultural landscape (so we remove no native vegetation) Has notable capacity for solar energy generation (the site has a Global Horizontal Irradiance (GHI) of 1,747 kWh/m2 per annum.)
<b>How much power will it generate?</b>	We estimate the project will generate 792,780 MWh per year, the equivalent to supplying 150,718 households with renewable electricity.

### What will be built on the site?

#### Solar panels and mounting system

Over one million solar panels mounted on metal structures (pile driven to minimise ground disturbance and the use of concrete).

The panels are three metres high when horizontal and up to five metres high as they rotate to track the sun during the day

Rows of panels are around six metres apart to minimise shading and allow for groundcover growth and access for maintenance.

#### Inverter stations

There will be 67 inverter stations, similar in size to shipping containers: around 12m long, 2.4m wide and 2.8m high.

Inverters convert power from direct current (DC) to alternating current (AC)

#### Access roads

There will be all weather access tracks for emergency vehicles and maintenance.

#### Electrical Substation

Next to the substation there will be a 100MW battery system, a switching station and underground cabling to connect to the high voltage network.

#### Site office

A shed-style building including storage facility and carparking. Access will be from Old Corop Road.

#### Security fencing

Chain mesh fencing will secure the site from the public roads.

#### Visual screens

There will be native vegetation landscaping on all sides of the site.

### Helping Victoria meet its Renewable Energy Target (VRET)

Putting more renewable energy on the grid will help reduce the cost of power and help drive down emissions. Achieving a VRET of 50 per cent by 2030 is the equivalent of taking 655,000 cars off the road for a year. A strong renewable energy target also encourages businesses to invest in the local employment – particularly in regional Victoria.

*Targets are: 25 per cent by 2020, 40 per cent by 2025 and 50 per cent by 2030.*

- In 2018-19 renewable energy accounted for around 21.3 per cent of Victoria's electricity generation, up from 18.3 per cent in 2017-18
- Victoria is well on track to meet the VRET 2020 target
- Corop's 440 MW represents an important contribution to achieving the 2025 target

#### You can read about Victoria's progress at

[https://www.energy.vic.gov.au/data/assets/pdf\\_file/0030/439950/Victorian-Renewable-Energy-Target-2018-19-Progress-Report.pdf](https://www.energy.vic.gov.au/data/assets/pdf_file/0030/439950/Victorian-Renewable-Energy-Target-2018-19-Progress-Report.pdf).

#### Like to know more? See our other fact sheets:

- What is a solar farm?
- Maintaining a solar farm
- Community benefits
- Solar panels and glare
- Protecting the environment