gvcemooroopna solar farm

FREQUENTLY ASKED QUESTIONS

What is solar power?

Solar power is the most abundant renewable energy source in the world, it is electricity created by harnessing the energy from sunlight. Photovoltaic (PV) panels collect energy from the sun and generate green, clean electricity that is distributed through the electrical grid network.

How do solar farms work?

Solar panels are the technology that converts sunlight into direct current electricity that passes through an inverter to be converted into alternative current (AC) electricity. This electricity is then distributed through the wider electricity grid network or stored in batteries to be used in homes or businesses.

What is involved in this solar farm?

GVCE Mooroopna Solar Farm will incorporate approximately 50,500 panels and is estimated to produce over 39,200 megawatt-hours (MWh) of green electricity per year. This is enough to power around 10,100 average Victorian homes, avoiding 42,340 tonnes of CO_2 emissions annually. The solar farm will also potentially be supplemented with battery storage at a future date.

Where will the solar farm be located?

GVCE Mooroopna Solar Farm will be located at 250 Toolamba Road in Mooroopna, Northern Victoria.

Who owns the site?

The site is owned by Greater Shepparton City Council, leased to GVCE Mooroopna Solar Farm under a long-term lease for the life of the asset.

How long will the solar farm operate?

The lifespan for the solar farm once operational is 25 years.

How many solar panels will be on the site?

The proposed solar facility will incorporate approximately 50,500 solar PV panels on single-axis tracking systems. This technology allows the angle of the solar panels to track the sun throughout the day, taking advantage of solar yield in the morning and evening peak.

Who is part of the project team?

GVCE Mooroopna Solar Farm is a joint venture company established between local not-for-profit social enterprise GV Community Energy (GVCE) and international renewable energy company Akuo Energy.

Who is GV Community Energy?

GV Community Energy was established in 2008 and has an office in Murchison and is managed by a voluntary board of directors living in the Goulburn Valley. GVCE has installed over 3,700 domestic and commercial rooftop solar systems, completed 1,700 home and commercial energy assessments and presented 165 public seminars on renewable energy. For more information visit www.gvce.com.au

Who is Akuo Energy?

Akuo Energy is an independent green power producer that develops and operates renewable energy power plants all over the world. Established in 2007 and headquartered in France, Akuo Energy has also developed a local Australian team across offices in both Melbourne and Sydney.
For more information, please visit www.akuoenergy.com/en.

Is this project ready to be built?

GVCE Mooroopna Solar Farm requires planning approval from the Department of Environment, Land, Water and Planning (DELWP) through a Planning Permit. The Planning Permit application is planned to be submitted in January 2020.

When will it be confirmed?

Once the Planning Permit application is submitted to the Department of Environment, Land, Water & Planning (DELWP), there will be a formal advertising process. Following this, it is anticipated that a decision will be made within the first half of 2020.

How long will it take to build?

The project is currently in planning and design stage. Once approved, construction is expected to commence in the first half of 2021. Construction is expected to take between 6-9 months, and is anticipated to be operational by August 2021.

How many employees are needed during construction and operation?

There will be around 50 direct and 50 indirect jobs created during development and construction, and 5 direct and 5 indirect ongoing jobs created throughout the project's operational life.

What sort of jobs will be available?

Job opportunities include civil works, concrete works, fencing, labouring, landscaping, and more. Employment and/or contracting enquiries can be submitted via the online Contact Us form or via the email address below.

www.gvcemooroopnasolar.com
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