Stringy Bark Solar Farm

Pacific INFINERGY

Welcome to our Community Information Session

Here you will find a selection of information boards outlining the proposal for the Stringy Bark Solar Farm. Please take your time to study the information and do not hesitate to speak with a member of the project team if you have any questions or comments.

Infinergy Australia is in the early stages of developing a planning application for a Solar Farm at 597 Gara Rd, Metz. As part of this process we are conducting a full environmental assessment to evaluate the potential impacts of the development on the environment and identify any mitigation required to ensure the development is acceptable.

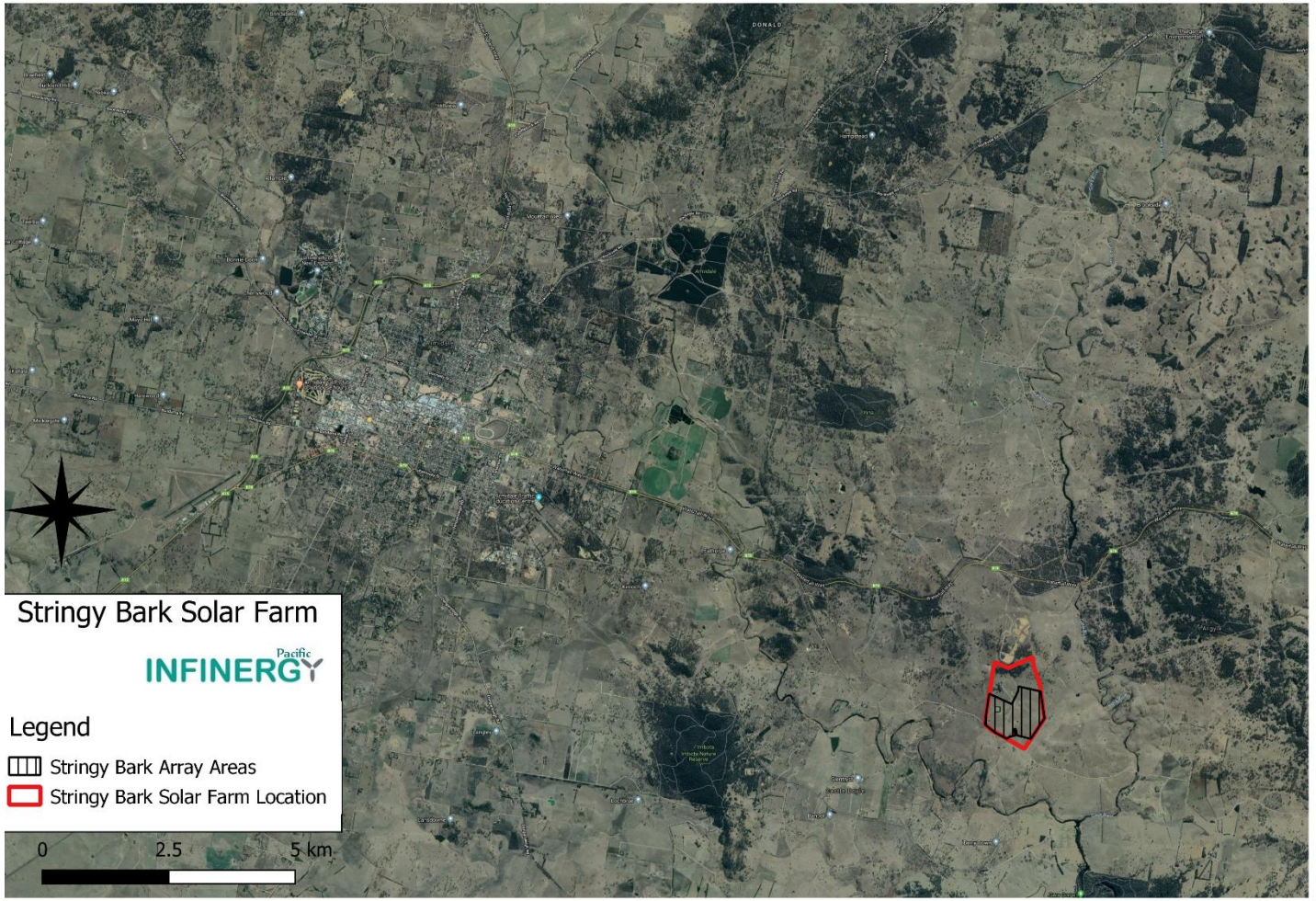
The Stringy Bark Solar Farm will be designed in response to the findings of environmental assessments. Environmental constraints will be avoided in the first instance or, where this is not possible, mitigation will be identified.

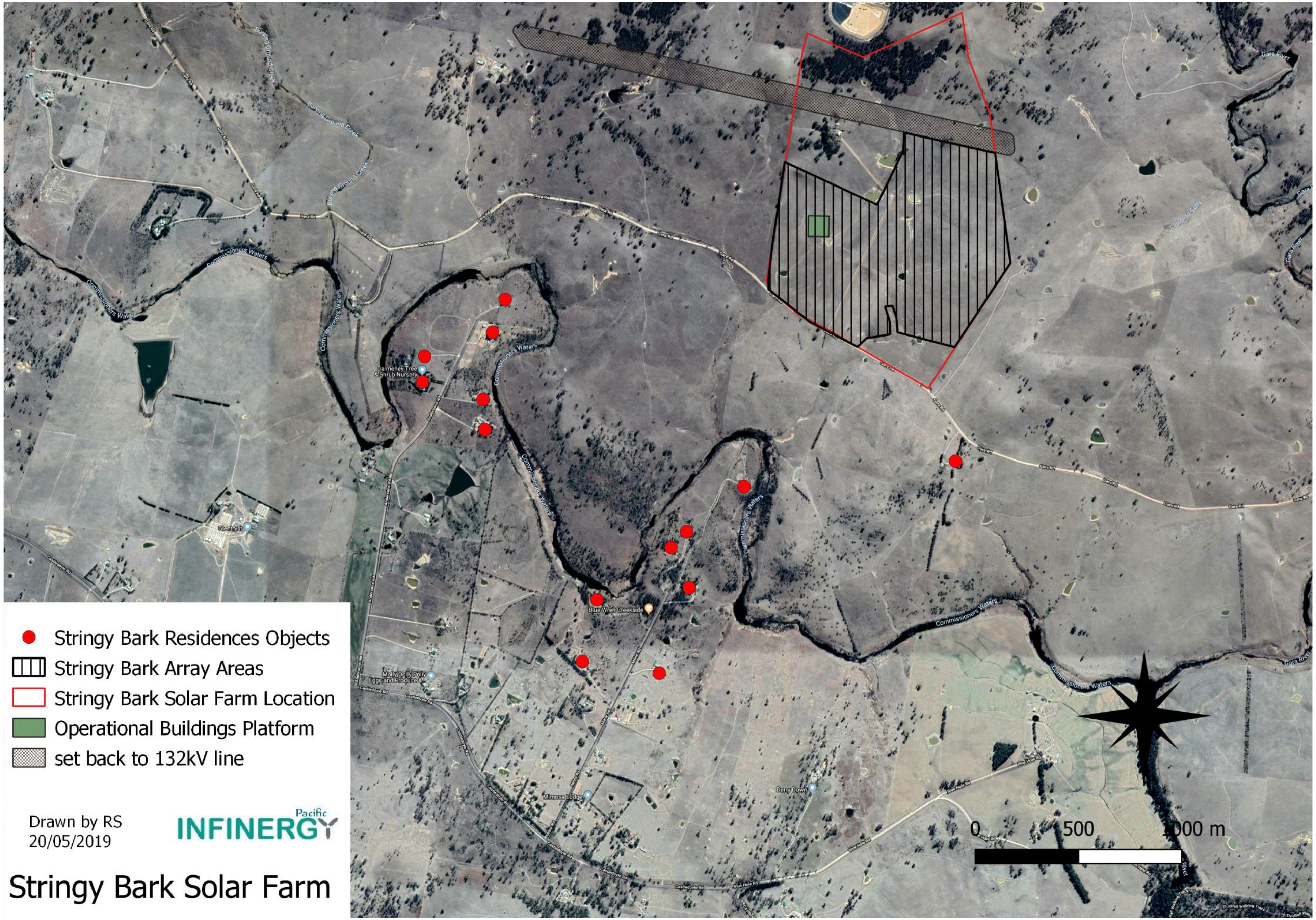
The location of the proposed Stringy Bark Solar Farm looking westwards.

Stringy Bark Solar Farm

The proposal

- The proposal is to develop a solar farm with a generation capacity of approximately 29 MW.
- It will be located on land approximately 8km east of Armidale.
- It is estimated that the solar farm will provide enough renewable energy to supply around 12,000 average New South Wales homes annually.




Stringy Bark Residences Objects
Stringy Bark Array Areas
Stringy Bark Solar Farm Location
Operational Buildings Platform
set back to 132kV line
Drawn by RS
20/05/2019
INFINERGY Pacific
0
500
1000 m
Stringy Bark Solar Farm

The Technology

- Photovoltaic Panels (just like the ones that go on domestic houses) would either be mounted in a fixed tilted position or on a single axis tracking system that would track the sun during the day:
- **Tracking System** – A single axis tracking system orientates panels towards the sun throughout the day. In the morning panels would be orientated to the east at 60 degrees tracking the sun during the day towards the west. The maximum height of the tracking system at full tilt would be 4m above ground.
- **Fixed System** – A fixed tilt system utilises a frame between piles that would orientate panels at approximately 30 degrees towards the north.

Fixed system illustration

Tracking system illustration

Stringy Bark Solar Farm

Environmental Site Assessments

Environmental studies will be used to determine the design of the solar farm. These include:

- Landscape and Visual Assessment
- Ecology Assessment
- Cultural Heritage Assessment
- Hydrology Assessment
- Transport Assessment
- Fire Risk Assessment
- Land use and socioeconomic studies
- Glint and Glare assessment.

Following Submission to Armidale Regional Council, the assessment results will be available on a dedicated website.

Design Evolution

In conjunction with the assessment process and community consultation, design work will focus on the capacity of the site taking into account constraints identified through the specialist studies.

The draft design presented on the next board represents our current thinking and provides an indication of how the solar farm may look.

Note, 15 August 2019:
Draft Design not shown here as was produced in a different format, and is no longer relevant due to design evolution (See Section 3.4)

Stringy Bark Solar Farm

Indicative timeline

Planning

- Local residents briefing (May 2019)
- Lodgement (Winter 2019)
- Determination Q4 2019

Financing

- Grid connection contracts – completion mid 2020
- Financing – completion late 2020

Construction

- 6 month construction programme
- Commence Construction - early 2021
- Complete Construction - late 2021

Operation

- The solar farm will be operational by late 2021
- The operational life of the solar farm is 30 years, after which it would be decommissioned and the site returned to its pre development state

Stringy Bark Solar Farm

Local Project Benefits

Local Project benefits would include:

- Direct and indirect employment opportunities during the construction and operation. This would include:
  - Approximately 50 construction jobs
  - Between 3 and 5 full time jobs during the operational phase.
- Direct benefits for local business providing services, materials and construction contracting.
- The proposed Stringy Bark Solar Farm will be designed to reflect the environmental constraints of the site appropriately while maximising the amount of electricity generated.
- The development preserves the long term agricultural values of the site as the proposal is wholly reversible at the end of the project life.

Broad Project Benefits

Broad Project benefits would include:

- The Stringy Bark Solar Farm would generate approximately 68 Gigawatt hours (GWh) of renewable electricity each year.
- It is estimated that the project would reduce annual greenhouse gas emissions by approximately 20,000 tonnes (CO_2 equivalent).
- It is estimated that the proposal would indirectly save approximately 10,000 megalitres of fresh water annually by displacing electricity generated from coal-fired power stations.

Note, 15 August 2019:
Figures for CO2 and GWh have been revised. See main report

Stringy Bark Solar Farm

The Developer

- Infinergy Australia is an Australian based Renewable Energy Company with a focus on solar farms.
- Our team has over 15 years' experience developing, owning and operating over 1200MW of renewable generation.
- In house, we have the expertise needed to design, develop and build renewable energy projects - the company is committed to helping meet the renewable energy targets in Australia whilst developing responsible projects.
- We are currently developing a portfolio of sites in Australia.

Proposed location of the Stringy Bark Solar Farm

Further Information

If you have any questions after the information session, please don't hesitate to contact the project team: E-mail: info@infinergypacific.com