

LAND USE APPLICATION INFRASTRUCTURE DELIVERY REFERRAL

Referral Details

DA / CC File Number:	DA2021/0049
Referral Details (dd / mm / yyyy)	14/02/2021
Subject:	Proposed Solar Farm
Location:	211 Vine Lane BOGGABRI (Lot 15 DP755475)
Planning Officer:	Gunther Weidenmann

Referral Information

Any additional comments:

Engineering

Comments / Conditions:
<p>The DA appears to be for the construction of a 5MW solar photovoltaic power generation plant at 211 Vine Lane, Boggabri NSW 2382.</p> <p>Services (Water/Sewer/Stormwater)</p> <p>There are no Council services located within this area. A Stormwater Management Plan has been provided as part of the DA submission and indicates;</p> <ol style="list-style-type: none">1. All impervious runoff from the proposed Photovoltaic Arrays will discharge to the existing ground surface where the natural flow regime will be maintained.2. Runoff from the proposed gravel/hardstand area catchment will be conveyed via sheet flow to the proposed above ground onsite stormwater detention basin.3. Discharge from the above ground onsite stormwater detention basing will be limited to the pre-development flow rates.

- Therefore, there are no Engineering comments/conditions relating to Council utility services.

Transport & Traffic

The DA submission included a Traffic Impact Assessment which indicates that, from an operational perspective, traffic generation is expected to be minimal with only regular daily maintenance inspections carried out when necessary. The developer has determined that only one (1) visit per day per week is required for the ongoing operational activities of the solar farm.

- Therefore, there are no Engineering comments/conditions relating to the operational traffic generation for this development.


The SEE indicates that peak hour construction traffic has been calculated with a predicted peak of 18 vehicle trips per hour consisting of 10 light vehicles, 3 roadwork vehicles, and 2 delivery vehicles. The construction activity is proposed to be completed over a six (6) month period.

The SEE states *"It is noted that construction traffic is temporary in nature and will be managed through a future Construction Management Plan."*

An inspection of Vine Lane has determined that this road is a minor rural access road (no through road). The DA submission has indicated that B-Double combination vehicles will be used during construction. Therefore, it is recommended;

- That the developer submits a Traffic Management Plan to Council (including appropriate traffic control) that will be used for the safe movement of traffic along Vine Lane during the construction phase of the development;
- That all heavy vehicle operators lodge a permit request with the National Heavy Vehicle Regulator (NHVR) to obtain a permit to enable B-Double access off the Kamilaroi Highway to access the site (for the duration of the construction phase);
- That the developer enters into a road maintenance agreement with Narrabri Shire Council to ensure that any damage to the local road network is repaired (during the construction phase of the development).

Issued to for Assessment

Date Reviewed (dd / mm / yyyy)	04/03/2021
Engineering Conditions and/or Comments:	
Anthony Smetanin Design Services Manager	

The comments noted above are a collective assessment of the DA/CC application referred to Councils Infrastructure Delivery Department for comment. It is recommended that appropriate Planning Conditions are drafted to include the comments identified in this memo. The comments included in this referral have been approved by the Director of Infrastructure Delivery.

Yours faithfully,



Shane Burns
Director Infrastructure Delivery

LAND USE APPLICATION WASTE REFERRAL

Referral Details

DA / CC File Number:	DA2021/0049
Referral Details (dd / mm / yyyy)	02/07/2021
Subject:	Establishment of a 5MW Solar PV Electricity Generation Facility with Associated Infrastructure
Location:	LOT: 151 DP: 755475 [211 Vine Lane, Boggabri NSW 2382]
Planning Officer:	Günther Weidenmann

Referral Information

Any additional comments:
<p>Development Application (DA) 2021/0049 seeks development consent for the establishment of a 5MW solar electricity generation facility with associated infrastructure on LOT: 151 DP: 755475, known as 211 Vine Lane, Boggabri NSW 2382. According to the Statement of Environmental Effects (SEE) accompanying the subject application, the proposed development entails the following:</p> <ul style="list-style-type: none">• Establishment of a grid-connected solar photovoltaic (PV) plant including associated electrical generation, supplying no greater than 5 megawatts (MW);• New 3-5.5m wide access road at the eastern boundary of the site;• High chain link security fencing 2.3m high; and• Other associated site improvements as shown on the Plans. <p>Also submitted as part of the application is a Waste Management Plan. Do you have any comments/conditions regarding the proposal?</p>

Date Reviewed (dd / mm / yyyy)	21 st July 2021
Engineering Conditions and/or Comments:	
<p>Waste Management during operation There is significant environmental consequences to consider regarding solar photovoltaic (PV) panels disposal.</p> <p>Disposal of solar PV panel is as follows:</p>	

- Solar PV waste must be disposed of at a licensed waste facility that accepts Solar PV panels.

Narrabri Waste Management Facility is the only licensed site in the shire. Shire Transfer Stations do not receive either commercial waste or Solar PV panel waste.

Advise for Solar PV panel waste reduction includes:

- Allow PV panels to reach end of life before replacement.
- Additional measures to extend the life of solar PV panels might include the use of remote monitoring devices to warn of early defects (which may be able to be repaired) before they require major intervention (panel or entire system replacement).
- Replacing individual components.
- Returning faulty panels to the manufacturer.

Some material which may be found in solar panels such as cadmium, lead, selenium, tellurium, and encapsulated, chemically fixed, solidified or polymerised wastes, as listed wasted.

Solar PV waste is expected to increase and become a burden to states and territories within Australia.

The burden would be assisted by the implementation of a interconnected system, with responsibility for managing this waste shared amongst governments, industry and consumers.

<p>Michael Davis Manager Waste Services</p>	
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The comments noted above are a collective assessment of the DA/CC application referred to Councils Infrastructure Delivery Department for comment. It is recommended that appropriate Planning Conditions are drafted to include the comments identified in this memo. The comments included in this referral have been approved by the Director of Infrastructure Delivery.

From: [Melinda White](#)
To: michelleh@narrabri.nsw.gov.au
Subject: DA2021/0049 - 211 VINE LANE BOGGABRI
Date: Friday, 26 March 2021 2:58:00 PM

Thank you for seeking comment from Essential Energy in relation to the proposed development at the above property.

Strictly based on the documents submitted, Essential Energy has no comments to make as to potential safety risks arising from the proposed development. The applicant should ensure that clearances are not affected by the construction of the access road.

Essential Energy makes the following general comments:

- If the proposed development changes, there may be potential safety risks and it is recommended that Essential Energy is consulted for further comment;
- Any existing encumbrances in favour of Essential Energy (or its predecessors) noted on the title of the above property should be complied with; and
- In addition, Essential Energy's records indicate there is electricity infrastructure located within the property. Any activities within this location must be undertaken in accordance with the latest industry guideline currently known as ISSC 20 Guideline for the Management of Activities within Electricity Easements and Close to Infrastructure.
- Prior to carrying out any works, a "Dial Before You Dig" enquiry should be undertaken in accordance with the requirements of *Part 5E (Protection of Underground Electricity Power Lines)* of the *Electricity Supply Act 1995* (NSW).
- Given there is electricity infrastructure in the area, it is the responsibility of the person/s completing any works around powerlines to understand their safety responsibilities. SafeWork NSW (www.safework.nsw.gov.au) has publications that provide guidance when working close to electricity infrastructure. These include the Code of Practice – Work near Overhead Power Lines and Code of Practice – Work near Underground Assets.

Should you require any clarification, please do not hesitate to contact us.

Regards,

Melinda White
Senior Conveyancing Officer
Governance and Corporate Services



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