



# Statement of Environmental Effects

## Installation of a Battery Energy Storage System (BESS)

### Narromine Renewable Energy Project Pty Ltd

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## Basis of Report

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## 1.0 Introduction

This Statement of Environmental Effects (SEE) is submitted to Narromine Shire Council (Council) to accompany a Development Application (DA) for the proposed standalone Battery Energy Storage System (Standalone BESS) at 6 Euromedah Road, Narromine NSW (Proposed Development).

Approval has been granted for the installation of a sub-5-megawatt (MW) solar photovoltaic (PV) power generation plant (DA2019/47) at 6 Euromedah Road, Narromine NSW (Solar Project). DA2019/47 was later modified to capture the augmentation of a sub-5 MW battery energy storage system to the existing solar project (DA2019/47.3) (Hybrid Project).

The Standalone BESS will provide for a well-designed, modern facility which is compliant with relevant environmental standards and guidelines. There is no change to the approved land use as an *electricity generating works* facility under the Proposed Development, which is permissible under the State Environmental Planning Policy (Transport and Infrastructure) 2021.

This SEE describes the Proposed Development, the Site, its environments, and an assessment of the proposal in terms of the matters for consideration under Section 4.15 of the Environmental Planning and Assessment Act 1979 (EP&A Act 1979). The report should be read in conjunction with the supporting information appended to this SEE.

Given the merit of the design and the absence of any adverse environmental impacts or planning issues arising from the Proposed Development, the DA is considered to be in the public's interest and worthy of Council's support.

### 1.1 Background

On 12 November 2019, the Regional Planning Panel (RPP) approved DA2019/47 for *Electricity Generating Works – 5MW Solar Farm* at 6 Euromedah Road, Narromine.

DA2019/47.2 was approved by Council on 4 May 2021 to modify the conditions of consent, which included a minor relocation of the Solar Project development footprint.

Construction for the Solar Project, including ancillary infrastructure of access roads and perimeter fencing has been completed under this consent.

A further modification (DA2019/47.3) was approved by Council on 1 October 2025 for the addition of a 5 MW BESS to the Solar Project. This modification comprised the installation of four (4) battery units and ten (10) DC-DC converters ancillary to the Solar Project, with the BESS infrastructure connected to the existing on-site inverter to create an integrated solar and battery energy storage Hybrid Project. For the purposes of this SEE, references to the Hybrid Project are to be taken as references to the combined Solar and BESS infrastructure, including the associated layout and project boundary. The Solar Project and/or Hybrid Project will be referred to separately where required by the context.

The Proposed Development subject to this DA is separate from the Solar and Hybrid projects approved under DA2019/47 and DA2019/47.3, respectively. Notwithstanding this, the Proposed Development is located within the same site boundary and will utilise existing infrastructure associated with those approvals.



## 2.0 The Site and Surrounds

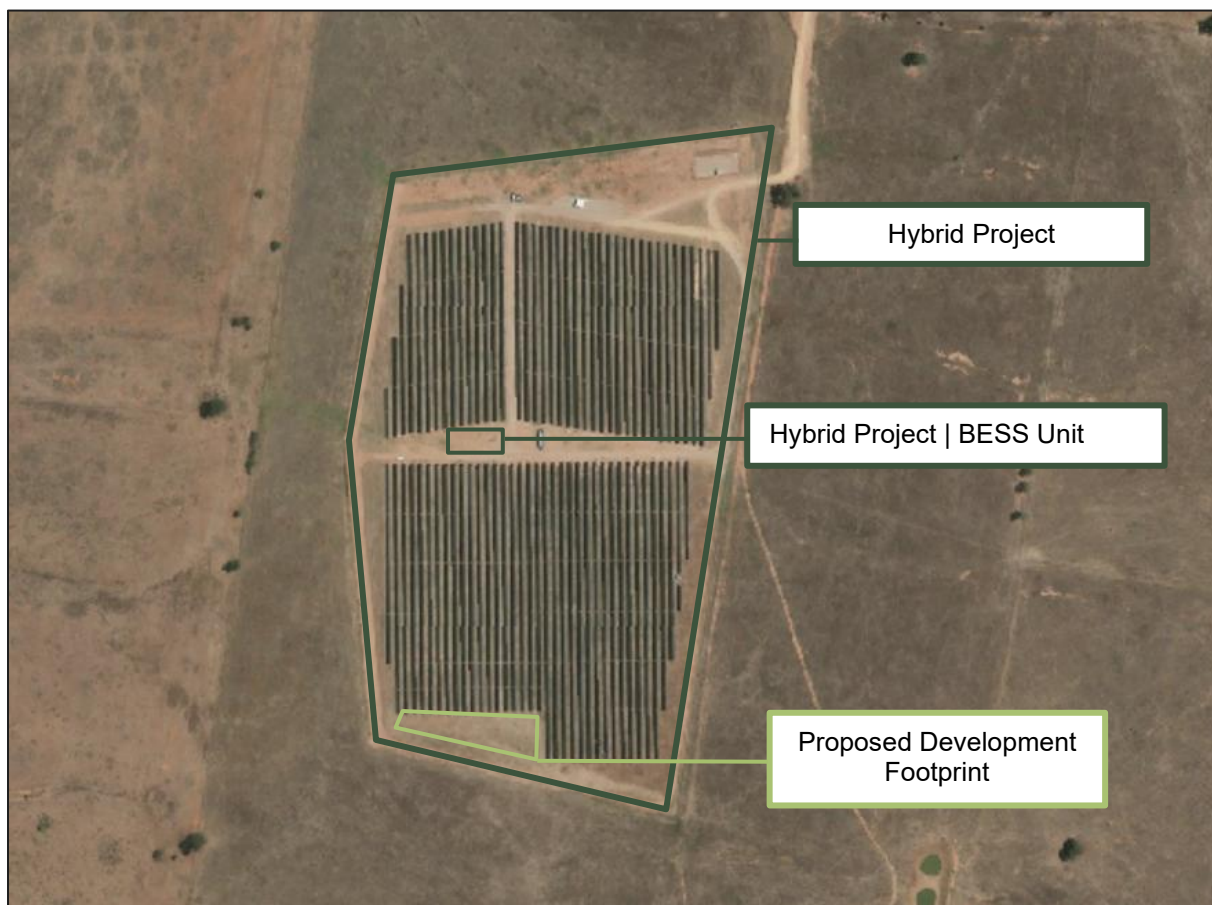
### 2.1 Site Description

6 Euromedah Road, Narromine NSW (the Site) is legally identified as Lots 41 and 46 of DP 752581. The Site is irregularly shaped and covers an area of 162.34 hectares (ha).

The Site is relatively flat, with no watercourses traversing it, although the Macquarie River runs along its eastern boundary. Vegetation is generally sparse, with the Site largely cleared aside from a small cluster of trees in the north-western quadrant and vegetation lining the river boundary. The existing Hybrid Project is in the north-west corner of the Site. The Proposed Development will be within the existing boundary of the Hybrid Project.

For details of the Site and its surrounds, refer to Figure 1, showing the Hybrid Project and Proposed Development area.

**Figure 1 Site Aerial (Nearmap)**



### 2.2 Site Location and Context

The Site is approximately 5km east of the township of Narromine and 28km west of the city of Dubbo and in the Local Government Area (LGA) of Narromine Shire.

Narromine is a rural town in the Orana region of NSW with a strong agricultural economy. Narromine is a major agricultural district known for broadacre cropping, including wheat, barley, canola, chickpeas, and cotton, as well as sheep and cattle grazing.



The surrounding land uses are primarily large lot residential and primary production (refer to Figure 2). An electricity generating facility (solar farm) is located approximately 3.8km west of the Site.

**Figure 2 Site Context**



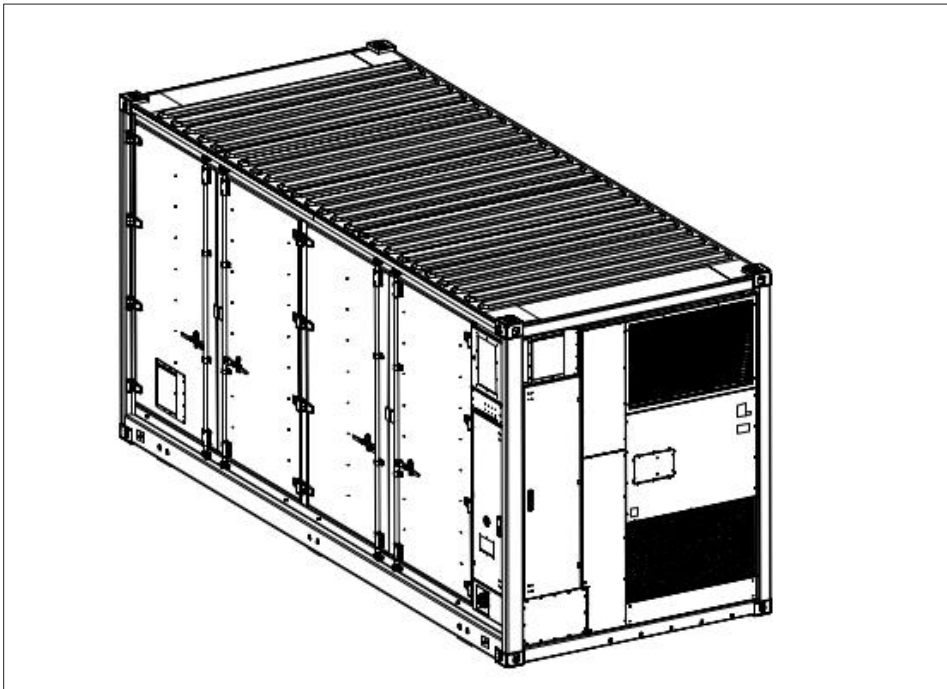
### 3.0 Project Description

The Proposed Development includes the installation of a Standalone BESS within the Southern quadrant of the existing Hybrid Project. The key elements of the development include:

- 4 x 6.25 MWh battery units (refer to Figure 3)
  - Length 6m
  - Width 2.4m
  - Height 2.9m
- 1 x Inverter Skid (refer to Figure 4)
  - Length 5.6m
  - Width 1.6m
  - Height 2.2m
- 1 x 10,000L water tank
- Perimeter fencing around the Proposed Development
- Installation of 22 kV overhead transmission lines from the Proposed Development to the Essential Energy Pole

Refer to the Plans at Appendix A for further details and Figure 5 for the proposed site plan extract.

**Figure 3 Standalone BESS Container (3D view)**



**Figure 4 Inverter Skid**



The Proposed Development does not modify the construction or operational approvals granted for the Solar Project or the Hybrid Project under development consents DA2019/47, DA2019/47.2, and DA2019/47.3.

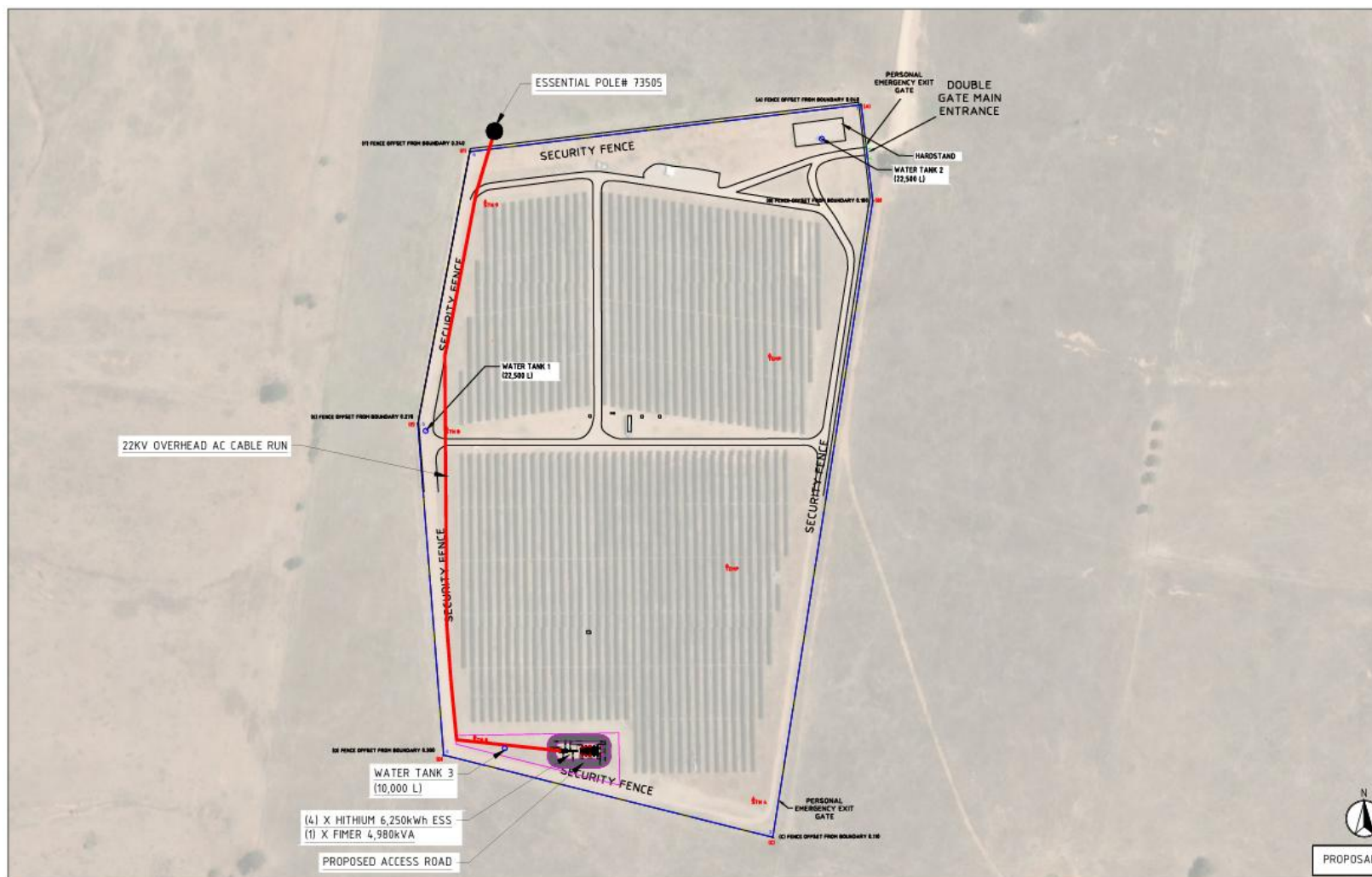
The Standalone BESS will be located on a hardstand area and only requires minor earthworks associated with the construction of concrete foundations, plinths, and a perimeter access track and fire break.

Access for the Proposed Development during construction and operation will utilise the existing Hybrid Project's access road from Euromedah Road. The Proposed Development will also make use of the existing internal access track network, supplemented by a minor perimeter access track surrounding the proposed Standalone BESS infrastructure.

The Proposed Development will operate continuously, 24 hours a day, seven days a week, as an unmanned facility. No permanent staff will be located on-site. Routine maintenance and inspection activities will be undertaken on an as-needed basis by authorised personnel.



**Figure 5 Proposed Site Plan**



## 4.0 Relevant Legislation and Planning Controls

The following Environmental Planning Instruments (EPIs) and Development Control Plans (DCPs) are relevant to the proposed development as explored within this Section of the report:

- National Parks and Wildlife Act 1974;
- Biodiversity Conservation Act 2016
- Environmental Planning and Assessment Act 1979;
- State Environmental Planning Policy (Transport and Infrastructure) 2021;
- State Environmental Planning Policy (Resilience and Hazards) 2021;
- State Environmental Planning Policy (Planning Systems) 2021;
- State Environmental Planning Policy (Biodiversity and Conservation) 2021;
- Narromine Local Environmental Plan 2011; and
- Narromine Development Control Plan 2011;

### 4.1 National Parks and Wildlife Act 1974

The National Parks and Wildlife Act 1974 includes provisions for the protection and recording of Aboriginal objects in NSW.

An Aboriginal Site Survey Report was undertaken for the Solar Project in accordance with the National Parks and Wildlife Regulations 2009 and the accompanying Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW (OEH 2010).

The Proposed Development is within the existing Solar Project area and does not require excavation outside of this footprint. As such, no further assessment of Aboriginal heritage is considered necessary for the Proposed Development.

### 4.2 Biodiversity Conservation Act 2016

The Biodiversity Conservation Act 2016 (BC Act 2016) aims to maintain a healthy, productive and resilient environment for the greatest well-being of the community, now and into the future, consistent with the principles of ecologically sustainable development. To achieve its goals, the BC Act 2016 governs endangered species and communities and provides a framework for a Biodiversity Offset Scheme.

The Proposed Development will be located within the existing Solar Project area and will not require the removal of any vegetation. Construction traffic for the Standalone BESS infrastructure will utilise the existing access road, constructed under the Solar Project approval. No further assessment in relation to biodiversity under the BC Act 2016 is therefore considered necessary.

### 4.3 Environmental Planning and Assessment Act 1979

The Proposed Development, as with all development applications, is subject to the provisions of the Environmental Planning and Assessment Act 1979 (EP&A Act). Section 4.15(1) of the EP&A Act provides criteria which a consent authority is to take into consideration, where relevant, when considering a DA. An assessment of the subject DA, in



accordance with the relevant matters prescribed under Section 4.15(1), is provided within this SEE.

It is noted, pursuant to Section 4.46 of the EP&A Act, the Proposed Development does not trigger integrated development.

## **4.4 State Environmental Planning Policy (Transport and Infrastructure) 2021**

### **4.4.1 Chapter 2 Infrastructure**

#### **Clause 2.36 Development permitted with consent**

*Development for the purpose of electricity generating works may be carried out by any person with consent on the following land –*

- a) In the case of electricity generating works comprising a building or place used for the purpose of making or generating electricity using waves, tides or aquatic thermal as the relevant fuel source – on any land,
- b) In any other case – any land in a prescribed non-residential zone.

*prescribed non-residential zone means any of the following land use zones or a land use zone that is equivalent to any of those zones—*

- (a) *RU1 Primary Production,*
- (b) *RU2 Rural Landscape,*
- (c) *RU3 Forestry,*
- (d) *RU4 Primary Production Small Lots,*
- (e) *E4 General Industrial,*
- (f) *E5 Heavy Industrial,*
- (g) *IN1 General Industrial,*
- (h) *IN2 Light Industrial,*
- (i) *IN3 Heavy Industrial,*
- (j) *IN4 Working Waterfront,*
- (k) *SP1 Special Activities,*
- (l) *SP2 Infrastructure,*
- (m) *W4 Working Waterfront.*

The Site is zoned RU1 Primary Production, a prescribed non-residential zone. Accordingly, the Proposed Development is permitted with consent under Clause 2.36 of SEPP (Transport and Infrastructure) 2021.



## 4.5 State Environmental Planning (Resilience and Hazards) 2021

### Chapter 3 – Hazard and Offensive Development

This SEPP requires the consent authority to consider the potential contamination status of the land prior to approving a development.

Lithium batteries are classified under the Australian Dangerous Goods Code as a class 9 dangerous good. Under the Hazardous and Offensive Development Application Guidelines – Applying SEPP 33, Class 9 goods do not exceed the screening threshold as they pose little threat to people or property.

The potential for fire hazard arising from the Proposed Development has been considered in the Bushfire Risk and Operations Plan (Appendix B). The report has regard to Planning for Bushfire Protection 2019, and proposes mitigation measures to minimise risk, which are outlined in the Bushfire Report and in Section 5.3 of this SEE.

Through the appropriate mitigation measures, The Proposed Development is deemed to not impose a material level of risk to the community.

### Chapter 4 – Remediation of Land

Chapter 4 of the Resilience and Hazards SEPP states that a consent authority must not consent to the carrying out of any development on land unless:

- a) *it has considered whether the land is contaminated, and*
- b) *if the land is contaminated, it is satisfied that the land is suitable in its contaminated state (or will be suitable, after remediation) for the purpose for which the development is proposed to be carried out, and*
- c) *if the land requires remediation to be made suitable for the purpose for which the development is proposed to be carried out, it is satisfied that the land will be remediated before the land is used for that purpose.*

The contamination status of the land was assessed under DA2019/47, and no further assessment is therefore required for this proposal. All proposed works will be carried out within the applicable guidelines and on land which is approved under the previous development application.

## 4.6 State Environmental Planning Policy (Planning Systems) 2021

### Regionally Significant Development

Subject to Section 3 & 5 of Schedule 6, development for the purposes of electricity generating works is classified as regionally significant development where the capital investment value exceeds \$5 million and / or on council land.

### 5 Private infrastructure and community facilities over \$5 million

*Development that has a capital investment value of more than \$5 million for any of the following purposes:*

- (a) air transport facilities, electricity generating works, port facilities, rail infrastructure facilities, road infrastructure facilities, sewerage systems, telecommunications facilities,*



*waste or resource management facilities, water supply systems, or wharf or boating facilities,*

*(b) affordable housing, child care centres, community facilities, correctional centres, educational establishments, group homes, health services facilities or places of public worship.*

The proposed electricity generating works is considered to be private infrastructure with a CIV greater than \$5 million and as a result the Proposed Development is deemed to be regionally significant development and the application will be referred to the Regional Planning Panel (RPP) for determination, refer to Appendix C for the EDC Report.

#### **4.7 State Environmental Planning Policy (Biodiversity and Conservation) 2021**

This SEPP aims to encourage the proper conservation and management of areas of natural vegetation that provide habitat for koalas through the identification of core koala habitat and by requiring the preparation of plans of management before development consent can be granted in relation to areas of core koala habitat. Although Narromine is a listed LGA in Schedule 2, the Proposed Development involves an area less than 1 hectare. Therefore, no further consideration is required under the SEPP.

#### **4.8 Narromine Local Environmental Plan 2011**

The Site is zoned RU1 Primary Production under the Narromine Local Environmental Plan 2011 (NLEP). Electricity generating works are a prohibited land use in the RU1 zone under the NLEP. Therefore, permissibility is sought for the Proposed Development through the Transport and Infrastructure SEPP, as outlined in Section 4.4.1. The Proposed Development is aligned with the RU1 Primary Production zone objectives, in particular the following:

- *To minimise the fragmentation and alienation of resource land*
- *To minimise conflict between land uses within this zone and land uses within adjoining zones*

The Proposed Development is consistent with the objectives of the zone and will provide important energy storage infrastructure to support the reliability and efficiency of the electricity network within the Narromine region. Importantly, the Proposed Development will not result in the fragmentation or alienation of resource land, as all infrastructure will be located within the existing Solar Project and on land already committed to renewable energy generation.

Furthermore, as outlined in Section 5.0 of this report, the Proposed Development is not anticipated to result in any adverse environmental, visual, traffic, noise or amenity impacts. Given that the Proposed Development is located within an existing renewable energy facility, it is also not expected to materially affect adjoining land uses. Accordingly, the potential for land use conflict is considered low and the Proposed Development is consistent with the relevant objectives of the zone.

#### **Clause 5.10 Heritage Conservation**

The Site is not a listed heritage item nor are any listed heritage items located in proximity to the Site. The Site is not mapped as a heritage conservation area.

#### **Clause 5.22 Flood Planning**



While the Site is identified as being partially located within a flood prone area, the existing Solar Project and Proposed Development is located outside the 1-in-100-year flood extent.

#### Clause 6.1 Earthworks

The earthworks for the Proposed Development will be minor with vehicle access using the approved and constructed vehicle access path from Euromedah Road to the north into the Solar Project. The only earthworks proposed would be for the footings of the battery containers and associated infrastructure. Overall, the proposed earthworks are minimal and will not impact adjoining properties and are unlikely to disturb relics.

#### Clause 6.4 Terrestrial Biodiversity

The Site is identified under the Narromine LEP 2011 as having terrestrial biodiversity along the eastern boundary with the Macquarie River. The Proposed Development works will be undertaken within the approved disturbance footprint of the Solar Project, which is located outside of the terrestrial biodiversity area. Therefore, no further assessment is required in relation to terrestrial biodiversity.

#### Clause 6.5 Riparian land and watercourse

The Proposed Development is located in excess of 40m from the top bank of the Macquarie River. Therefore, it is unlikely that the proposed works would adversely impact surrounding watercourses or riparian land.

#### Clause 6.6 Groundwater Vulnerability

The Proposed Development is located within an area identified under the NLEP for groundwater vulnerability. No new impacts are proposed in addition to what has been previously considered and approved by Council for the Solar and Hybrid Project.

### 4.9 Narromine Development Control Plan 2011

As identified in Council's assessment report for DA2019/47.3 there are no specific development controls for electricity generating works. Notwithstanding, the Proposed Development has been assessed against Chapter 5C Rural Development of the Narromine Development Control Plan 2011 (NDCP). Refer to Table 1 for the DCP compliance table.

**Table 1 DCP Compliance Table**

| <u>DCP Control</u>                                                                                                                                                                                                                                                                        | <u>Comment</u>                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <u>Access</u><br><i>All land must have legal access to a public road. Usually this is in the form of direct vehicular access to a public road. In certain circumstances where direct access to a road is not possible, a right of way carriage way can be created over adjoining land</i> | The Proposed Development will utilise the existing access track approved and constructed under DA2019/47.                      |
| <u>Bushfire</u><br><i>Bushfire prone land is identified in Council's Bushfire Prone Land Mapping. If the</i>                                                                                                                                                                              | As outlined in the Bushfire Report (Appendix B) the Proposed Development has been carefully designed to minimise bushfire risk |



| <u>DCP Control</u>                                                                                                                                                                                                                                                                                                                                                                                                  | <u>Comment</u>                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>development site is identified as bushfire prone, the development application may be referred to the Rural Fire Service and, if necessary, additional conditions placed on any consent granted. Development in areas identified as bushfire prone should consult with the NSW Rural Fire Service document Planning for Bushfire Protection for additional controls that may be applicable to the development</i> | through appropriate siting, construction materials, and operational controls.<br><br>The Proposed Development will be constructed in accordance with Planning for Bushfire Protection 2019. |



## 5.0 Assessment of Planning Issues

The following is an assessment of the environmental effects of the Proposed Development as described in the preceding sections of this SEE. The assessment considers only those matters under Section 4.15(1) of the EP&A Act 1979 that are relevant to the proposal.

### 5.1 Compliance with Planning Instruments and Controls

Unless otherwise stated, the Proposed Development either complies with or is consistent with all relevant planning instruments and controls set out in Section 4.0 of this SEE, in that:

- The Proposed Development is permissible under SEPP (Transport and Infrastructure) 2021;
- The Proposed Development will have no further impacts on flora or fauna under the BC Act 2016, due to location and siting within the constructed Solar Project;
- The Proposed Development is classified as Regional Development under SEPP (Planning Systems) 2021 and will therefore be determined by the RPP;
- The Proposed Development complies with the requirements of State Environmental Planning Policy (Resilience & Hazards) 2021
- The Proposed Development complies with the requirements of SEPP (Transport and Infrastructure) and referral to the road authority will not be required as the proposal is not classified as traffic generating development; and,
- The Proposed Development is generally consistent with the objectives and relevant controls within Narromine DCP 2011.

### 5.2 Noise

The nearest residence is located approximately 760m south-west of the Proposed Development. During operation, noise will be generated by the Standalone BESS cooling systems and associated power conversion equipment.

Testing of the proposed battery enclosures by the preferred supplier, undertaken in accordance with ISO 3744:2010, recorded a sound power level of 83.4 dB across the full range of cooling conditions. At a distance of 10 m, measured noise levels ranged from 45.7 dB to 56.8 dB, depending on the level of cooling required.

Based on these results and the approximately 760m separation distance, operational noise at the nearest residence is predicted to be approximately 24 dB. This is around 11 dB below the 35 dB project noise trigger level for a rural residence under the NSW Noise Policy for Industry (2017).

This estimate is conservative, as it does not account for further noise reduction from atmospheric conditions, the intervening agricultural land or screening provided by the equipment enclosures. The enclosures will also be positioned so that the cooling equipment faces away from the nearest residence.

Construction noise will be temporary and limited to the construction period. The battery enclosures will be assembled off-site and delivered as complete units, reducing the amount of work required on site. Construction activities will generally consist of earthworks, preparation of hardstand areas and footings, crane unloading and placement of equipment, and electrical connection works. No piling, rock breaking, concrete batching or on-site fabrication is proposed.



Based on the equipment expected to be used, construction noise at the nearest residence is predicted to be approximately 40–45 dB. Construction will be undertaken during the standard hours identified in the NSW Interim Construction Noise Guideline (2009).

Standard construction noise controls will also be implemented, including using appropriately maintained and lower-noise equipment where practicable, minimising unnecessary idling and providing advance notice to nearby residents where appropriate.

### 5.3 Bushfire Hazard

The Site is mapped as being within both Category 3 and Vegetation Buffer on the bushfire prone land map. A Bushfire Risk and Operations Report was prepared by Bushfire Environmental Management Consultancy to support the DA. The assessment identified several mitigation measures that the Proposed Development should adopt to reduce the bushfire hazard risk. These mitigation measures included:

- Asset Protection Zone – no combustible materials in or within 10 m of the Standalone BESS and associated infrastructure. Screening vegetation (as per the approved Solar Project) is to not be located within the APZ.
- Bushfire Construction Level - Critical infrastructure will be constructed to appropriate BAL levels in accordance with the Australian Standard for the Construction of Buildings in Bushfire Prone Areas (AS3959).
- Water - A 10,000L static water tank is provided within 70m of each BESS unit and a further 10,000L is provided for perimeter firefighting purposes.
- Emergency Management - A comprehensive Bushfire Emergency Management and Evacuation Plan would be completed for the construction and operational phase.
- Access - A fire trail vehicle access shall be provided around the perimeter of the facility, associated with the APZ and circumnavigate the Standalone BESS.

All the above measures have been implemented in the existing Hybrid Project and operations or through this DA to mitigate the bushfire hazard risk.

Additionally, the risk associated with the Standalone BESS is considered low due to the safety measures incorporated within the design, including the installation of fire suppression systems within the containers, which detect and control fire events promptly to minimise potential hazards to the Site and surrounding environment.

The Proposed Development installation has been carefully designed to minimise bushfire risk through appropriate siting, construction materials, and operational controls. The project team is committed to ongoing compliance with all relevant bushfire safety regulations and will liaise with FRNSW and the NSW Rural Fire Service as required during the commissioning and operational phases.

### 5.4 Landscape and Visual

It is relevant to consider the visual impact of the Proposed Development in the context of the existing rural landscape character surrounding the Site. Given its limited scale and location within the existing Hybrid Project, the Proposed Development is unlikely to result in any appreciable additional visual impact.

The Proposed Development is confined to the existing disturbed footprint of the Solar Project and will be located entirely within the 2.1m-high security fencing that encloses the facility. The Proposed Development comprises the installation of four (4) battery units, an inverter



skid and a water tank within the southern quadrant of the existing Hybrid Project. The battery units and inverter skid will sit within an area where the site topography grades downward toward the south. In addition, at maximum tilt, the panels will extend to approximately 3 metres above ground level at their eastern and western extremities (measured from the top of the panel frame). Taken together, these factors materially reduce the visibility of the Proposed Development and demonstrate that it is unlikely to result in any appreciable visual impact.

A Visual Impact Assessment (VIA) was undertaken as part of the original Solar Project development application and concluded that visual impacts would be low to negligible. Notwithstanding this finding, vegetation screening along the western boundary of the Solar Project was required as a condition of consent to further minimise visibility of the solar panels from surrounding areas. The Proposed Development will not alter the approved landscaping or screening arrangements.

Accordingly, the proposed development is not expected to result in any adverse visual impacts. The infrastructure will be located within the existing Hybrid Project, behind the existing security fencing and vegetation screening, ensuring that the visual character of the surrounding rural landscape remains substantially unchanged.

## 5.5 Traffic, Access and Parking

A Traffic Impact Assessment (TIA) was prepared for the approved Solar Project (DA2019/47). The assessment recommended upgrades to the intersection of the private access road and Euromedah Road to accommodate the turning movements of a 19-metre semi-articulated vehicle. The TIA also recommended upgrades to the private access road along its length to accommodate anticipated construction traffic volumes, including the provision of regular passing bays to facilitate two-way vehicle movements. These upgrades were implemented as part of the approved Solar Project development and are currently in place.

The Proposed Development will utilise the existing approved and constructed access infrastructure during both the construction and operational phases. The scale of the Proposed Development works is substantially smaller than the original Solar Project development, resulting in significantly lower construction traffic volumes and a reduced workforce. Accordingly, the existing access arrangements are considered adequate to accommodate the Proposed Development without adverse impacts on traffic efficiency or road safety.

The TIA also concluded that the surrounding road network had sufficient capacity to accommodate traffic generated during the construction and operation of the Solar Project. Given that the Proposed Development comprises the addition of four Standalone BESS units within the existing Hybrid Project site, the level of traffic generation is expected to be minor in comparison to that previously assessed and approved.

During operation, the Proposed Development will function as an unmanned facility, with vehicle movements limited to periodic maintenance and inspection visits. As such, the proposed Development is not expected to result in any measurable increase in traffic on the surrounding road network.

Overall, the Proposed Development is considered to have a negligible impact on traffic, access and parking and is capable of being accommodated within the existing road and access infrastructure established for the approved Hybrid Project.



## **5.6 Flora & Fauna**

The Proposed Development is to be constructed in the southern quadrant of the Hybrid Project compound within the constructed development's disturbed footprint. The Proposed Developments disturbance footprint is therefore clear of any native vegetation and has already been impacted during the construction of the Hybrid Project.

Due to the lack of preexisting native vegetation and habitat features, construction of the Standalone BESS is likely to have a negligible impact on biodiversity values.

## **5.7 Waste Management**

The Proposed Development will have negligible construction waste and will not generate any operational waste. Refer to Appendix D for the Waste Management Plan.



## 6.0 Conclusion

This Statement of Environmental Effects has assessed the proposed installation of four (4) Standalone BESS units, together with associated infrastructure, within the at 6 Euromedah Road, Narromine.

The Proposed Development represents a small scale addition to the existing renewable energy facility and remains consistent with the Site's approved land use. The additional Standalone BESS infrastructure will enhance the energy storage capacity installed within the existing Hybrid Project, improving the reliability and efficiency of renewable energy supply within the Narromine region and assisting in meeting the growing electricity demands associated with regional growth and development.

The Proposed Development is consistent with the objectives of the RU1 Primary Production zone, as it provides essential energy infrastructure within an established renewable energy facility without fragmenting or alienating resource land. The Standalone BESS units will be located entirely within the existing Hybrid Project footprint and will not adversely affect surrounding land uses or give rise to land use conflict.

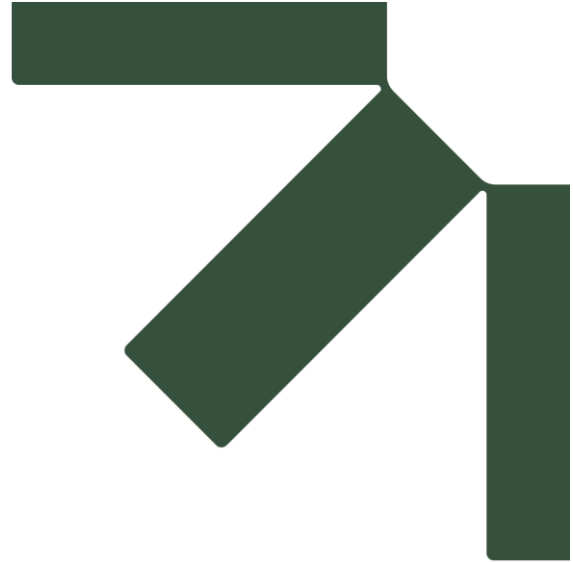
Assessment of the proposal has confirmed that the Proposed Development will not result in any significant adverse environmental impacts. The Proposed Development will not increase demand for public services or infrastructure and will not result in additional impacts on native vegetation, terrestrial biodiversity, groundwater resources, or the surrounding rural landscape. The Proposed Development remains compliant with the relevant provisions of the Narromine Local Environmental Plan 2011 and does not seek any variation to applicable development standards. The Proposed Development is also generally consistent with the objectives and requirements of the Narromine Development Control Plan 2011.

The findings and conclusions of the technical investigations undertaken for the original Solar Project development application (DA2019/47) remain valid, with no adverse impacts identified in relation to visual amenity, traffic, ecology, waste management, or surrounding land uses.

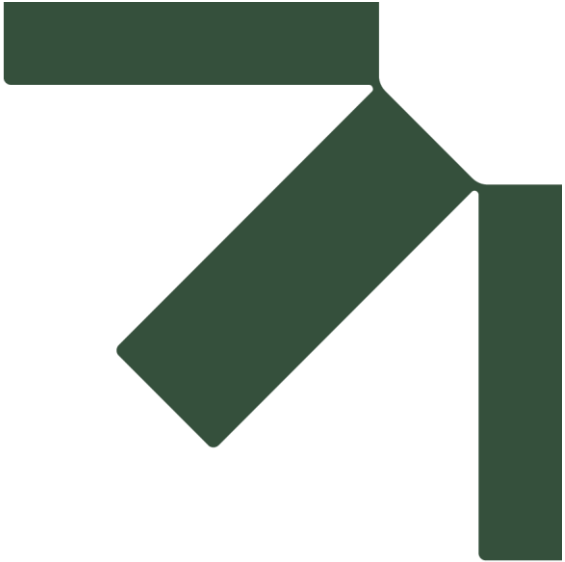
A Bushfire Risk and Operations Plan (Appendix B) has been prepared to assess the potential bushfire risks associated with the Proposed Development. The assessment concluded that the Proposed Development does not pose an unacceptable risk to surrounding land uses or the environment and incorporates contemporary safety measures and management systems to minimise potential hazards and ensure safe operation.

Having regard to the relevant planning controls, the characteristics of the Proposed Development, and the environmental assessment undertaken, Proposed Development is considered to be appropriate for the Site and in the public interest. The proposal will provide important renewable energy storage infrastructure while maintaining environmental and planning compliance and avoiding significant adverse impacts. Accordingly, the application is considered worthy of Council's approval.

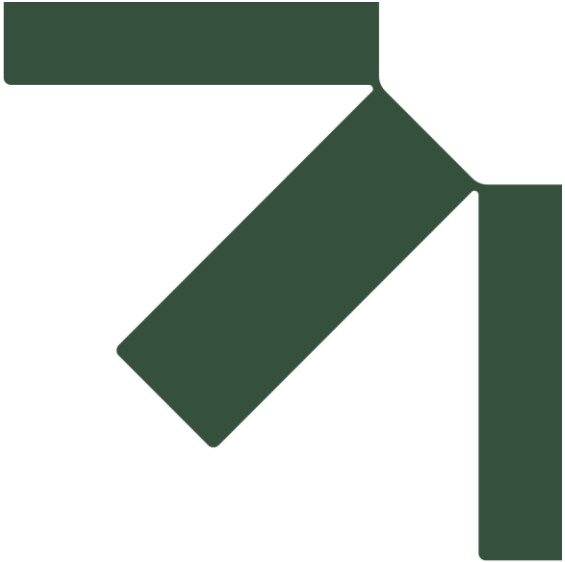




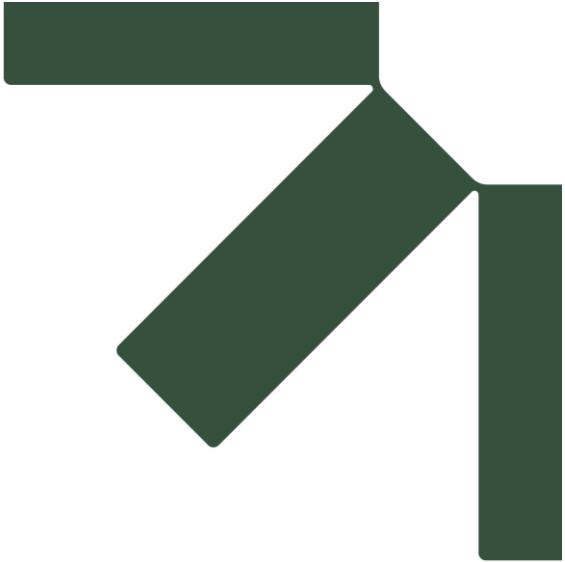
## Appendix A Plans



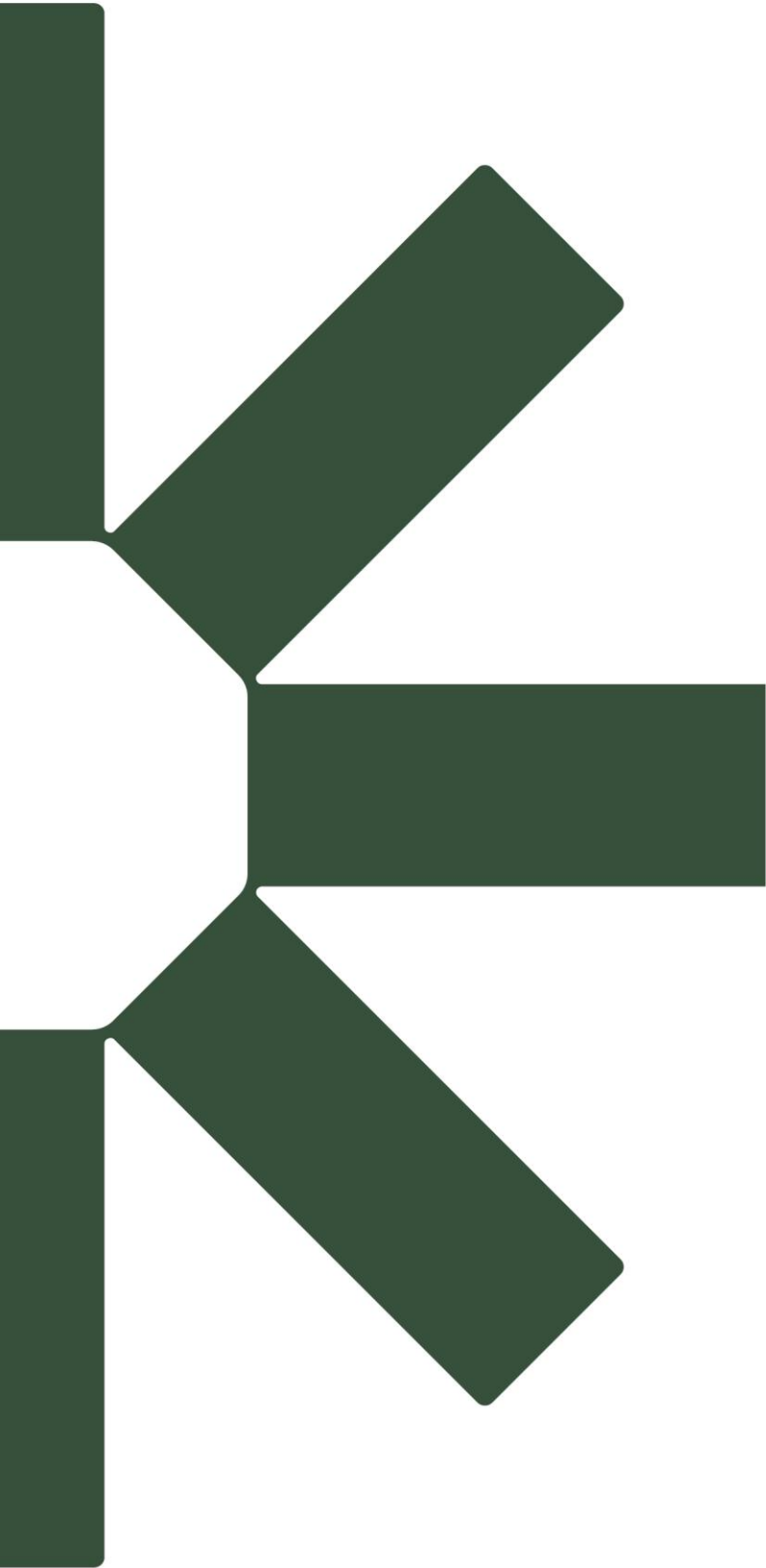
## **Appendix B    Bushfire Risk and Operations Plan**



## Appendix C   EDC Report



## **Appendix D    Waste Management Plan**



Making Sustainability Happen