

Lilyvale Battery Energy Storage System

Application Number: **03008**

Commencement Date:

Status: **Locked**

23/07/2025

1. About the project

1.1 Project details

1.1.1 Project title *

Lilyvale Battery Energy Storage System

1.1.2 Project industry type *

Energy Generation and Supply (renewable)

1.1.3 Project industry sub-type

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1.1.4 Estimated start date *

01/01/2026

1.1.4 Estimated end date *

01/01/2036

1.2 Proposed Action details

1.2.1 Provide an overview of the proposed action, including all proposed activities. *

The Proposed Development is located approximately 52 km north-east of Emerald and is within the Central Highlands Regional Council Local Government Area and under the Rural Zone of the Central Highlands Planning Scheme 2016 on Lot 2 on RP616712.

The Project Area is approximately 151.52 ha and is predominantly used for rural purposes, including stock grazing. The Proposed Development will consist of a BESS and substation. The facility will be connected to the existing Lilyvale Substation immediately adjacent to the west of the Project Area on Lot 1 on RP613901. Additionally, the Project Area is located in proximity to multiple mining and energy facilities, located approximately 3.4 km northeast of the Bowen Basin Coalfields and Gregory/Crinum Mine, approximately 3.7 km southeast from the Lilyvale Solar Farm and approximately 1 km south of multiple coal mine sites, including Mancala Oaky Creek North, Oaky Creek North and Aquila Mine.

The BESS will have a storage capacity of up to 440 megawatts (MW) / 1760 MWh system consisting of the following:

- 512 BESS containers;
- 128 inverters and 128 Medium Voltage Power Stations;
- Electrical equipment including primary transformers, high voltage substations, auxiliary transformers, harmonic filters and control rooms; and
- Administrative and operations and maintenance buildings and facilities.

The proposed battery storage technology with suitable outdoor rated housing will comprise of lithium-ion phosphate cells. Accepted industry practice will be observed for handling the respective battery components during installation, maintenance, replacement and recycling. The BESS containers will be connected to inverters, which convert direct current to grid compliant alternating current, then through medium voltage power stations into the BESS substation using buried cables. The BESS substation will be connected to the Ergon Energy Lilyvale Substation via underground or overhead cables.

The Proposed Development will not be connected to reticulated water or sewage infrastructure. Rainwater may be collected and stored via water tanks and used on site for operational activities. Sewage will be managed by septic system, with wastewater going to a land application area on the site, requiring treatment to a secondary standard.

Access to the proposed development will be provided via an easement from Lilyvale Road, with a car parking area provided at the site office to be located at the site frontage. Additionally, there is Regulated Vegetation intersecting a watercourse in the Project Area. A crossing of this watercourse is proposed at one location to facilitate site access, where applicable operational approvals will be sought where required for the crossing of this watercourse. It is of note that the crossing will not impact on any ecological values. The final location will be subject to detailed design. The site area will be fenced for safety and security purposes.

The Project Area is approximately 151.52 ha, and the area in which the Proposed Development infrastructure sits (Disturbance Footprint) is approximately 21.15 ha. The Development Footprint consists of the following:

- BESS Infrastructure compound: 12.25 ha;
- Construction laydown area, and parking: 6.2 ha;
- Access corridor (road and cable connection): 1.08 ha;
- Proposed site access corridor (proposed new access road between existing 1.5 km track to the south and the road and connection corridor to the northeast): 0.11 ha; and
- Existing access corridor (1.5 km existing farm track): 1.51 ha.

It is to be noted that the 1.51 ha of existing access corridor refers to the 1.5 km stretch of existing farm track. The existing track is 5 m wide, and is proposed to be upgraded as part of the overall Proposed Development. Upgrade works are to include leveling and extension of the width of the existing track from 5

m to 10 m. This will involve the clearing of up to 0.75 ha of roadside vegetation (2.5 m on either side of the existing track).

1.2.2 Is the project action part of a staged development or related to other actions or proposals in the region?

No

1.2.6 What Commonwealth or state legislation, planning frameworks or policy documents are relevant to the proposed action, and how are they relevant? *

Various legislation applies to the Proposed Action, refer to a summary of key legislation below and Att. 1, Section 3, p.10 for further information.

Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act)

The EPBC Act is the Australian Government's central piece of environmental legislation that provides a legal framework to protect and manage important flora and fauna, ecological communities and heritage places. Desktop and field assessments completed to date have assessed the presence of threatened ecological communities and targeted surveys for listed flora and fauna species under the EPBC Act.

Under the EPBC Act an action will require approval from the minister if the action has, will have, or is likely to have, a significant impact on a MNES. The EPBC Act includes a requirement where a significant impact on a MNES is assessed as likely to occur, an environmental offset is required to compensate for that impact.

EPBC Act Environmental Offsets Policy 2012

Environmental offsets are required to be delivered in accordance with the EPBC Act Environmental Offsets Policy. The Environmental Offsets Policy outlines the Australian Government's approach to the use of environmental offsets under the EPBC Act.

Nature Conservation Act 1992 (NC ACT)

The NC Act regulates impacts on plants and animals through the protected plants framework and species management program requirements. The relevant approvals that may be required under the NC Act include an exempt clearing notification or protected plants permit for clearing endangered, vulnerable, or near-threatened plants listed under the NC Act.

The Project Area is not located within the high-risk trigger area for protected plants, pursuant to the NC Act, so no further flora surveys, exempt clearing notifications or clearing permits are required.

A 'High Impact' Species Management Program (SMP) is required to be submitted to the Queensland Department of Environment and Science for approval if it has been identified that there are habitats of species that are considered high risk. A 'Low Impact' SMP is required from the Queensland Department of Environment and Science in order to authorise interference with all animal breeding places for 'Least concern' animals.

Central Highlands Regional Council Planning Scheme

- A Development Approval for a Material Change of Use for an Undefined Use (BESS) and Substation – will be applied for and includes referral to the following agencies:
 - Department of Transport and Main Roads; and
 - Powerlink.

Lodging / approval of the development permit for operational works assessable against the Central Highlands Regional Council Planning Scheme is outstanding and will be progressed prior to commencement of works on site.

1.2.7 Describe any public consultation that has been, is being or will be undertaken regarding the project area, including with Indigenous stakeholders. Attach any completed consultation documentations, if relevant. *

ACEN Australia has commenced consultation, which will be ongoing throughout the life of the Proposed Development. A summary of consultation to date has been summarised below:

- Engagement with Traditional Owners has commenced. Early discussions around entering into a Cultural Heritage Management Plan (CHMP) are ongoing;
- Engagement with the Central Highlands Regional Council.

1.3.1 Identity: Referring party

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Personal information means information or an opinion about an identified individual, or an individual who is reasonably identifiable.

By completing and submitting this form, you consent to the collection of all personal information contained in this form. If you are providing the personal information of other individuals in this form, please ensure you have their consent before doing so.

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Confirm that you have read and understand this Privacy Notice *

1.3.1.1 Is Referring party an organisation or business? *

Yes

Referring party organisation details

ABN/ACN 12002773248

Organisation name ENVIRONMENTAL RESOURCES MANAGEMENT AUSTRALIA PTY LIMITED

Organisation address Level 14, 207 Kent Street, Sydney, Australia NSW 2000

Referring party details

Name Jessica Kwok

Job title Managing Consultant

Phone (07) 3007 8405

Email jessica.kwok@erm.com

Address Level 9, 260 Queen Street, Brisbane, QLD 4000

1.3.2 Identity: Person proposing to take the action

1.3.2.1 Are the Person proposing to take the action details the same as the Referring party details? *

No

1.3.2.2 Is Person proposing to take the action an organisation or business? *

Yes

Person proposing to take the action organisation details

ABN/ACN 27616856672

Organisation name ACEN AUSTRALIA PTY LTD

Organisation address Suite 2, Level 2, 15 Castray Esplanade, Battery Point, Hobart, Tasmania, Australia 7004

Person proposing to take the action details

Name Tim Slack

Job title Development Manager - QLD

Phone 0419 310 012

Email tim.slack@acenrenewables.com.au

Address Office 20, Level 34, 1 Eagle Street, Brisbane, QLD 4000

1.3.2.14 Are you proposing the action as part of a Joint Venture? *

No

1.3.2.15 Are you proposing the action as part of a Trust? *

No

1.3.2.17 Describe the Person proposing the action's history of responsible environmental management including details of any proceedings under a Commonwealth, State or Territory law for the protection of the environment or the conservation and sustainable use of natural resources against the Person proposing to take the action. *

ACEN Australia is a leading Australian renewable energy company specialising in the development and operation of solar, wind, battery and pumped hydro projects across Australia. A summary of these projects is provided below:

- Aquila Wind (350MW in NSW);
- Birriwa Solar (600 MW in NSW);
- Coomba Solar (100 MW in NSW);
- Corack East Wind (VIC);
- Deeargee Solar (320 MW in NSW);
- Narragamba Solar (320 MW in NSW);
- New England Solar (720 MW in NSW);
- North East Wind (1.2 GW in TAS);
- Pheonix Pumped Hydro (800 MW in NSW);
- Robbins Island and Jim's Plain Wind (900 MW in TAS);
- Stubbo Solar (400 MW in NSW);
- Valley of the Winds (800 MW in NSW); and
- Yindjibarndi Energy (2-3 GW partnership in WA).

Additionally, ACEN Australia is a signatory to the Clean Energy Council's Best Practice Charter for Renewable Energy Developments, a voluntary commitment to engage respectfully with communities, be sensitive to environmental and cultural values, and make positive contributions to the regions in which it operates.

ACEN Australia is committed to creating a more sustainable, inclusive and resilient world, and has implemented a variety of policy regarding responsible environmental management as summarised below:

- Environmental Policy (refer to Att. 3);
- Social Participation and Communications Policy; and
- Workplace Health and Safety Policy.

1.3.2.18 If the person proposing to take the action is a corporation, provide details of the corporation's environmental policy and planning framework

ACEN Australia is committed to undertaking our business in an environmentally sensitive and forward-thinking manner. To achieve this, ACEN has implemented an Environmental Policy (refer to Att. 3), which outlines the following objectives below

- Comply with environmental laws and regulations in all work locations as an absolute minimum;
- Understand and manage potential environmental risks at all work locations;
- Contribute to the overall health and resiliency of ecosystems in all work locations;
- Participate in integrated approaches to land use planning;
- Identify and implement opportunities for efficient energy and water usage;
- Identify and implement opportunities for waste avoidance and minimisation; and
- Report annually to all stakeholders on our environmental activities.

1.3.3 Identity: Proposed designated proponent

1.3.3.1 Are the Proposed designated proponent details the same as the Person proposing to take the action? *

Yes

Proposed designated proponent organisation details

| | |
|-----------------------------|---|
| ABN/ACN | 27616856672 |
| Organisation name | ACEN AUSTRALIA PTY LTD |
| Organisation address | Suite 2, Level 2, 15 Castray Esplanade, Battery Point, Hobart, Tasmania, Australia 7004 |

Proposed designated proponent details

| | |
|------------------|---|
| Name | Tim Slack |
| Job title | Development Manager - QLD |
| Phone | 0419 310 012 |
| Email | tim.slack@acenrenewables.com.au |
| Address | Office 20, Level 34, 1 Eagle Street, Brisbane, QLD 4000 |

1.3.4 Identity: Summary of allocation

✔ Confirmed Referring party's identity

The Referring party is the person preparing the information in this referral.

| | |
|----------------------------|--|
| ABN/ACN | 12002773248 |
| Organisation name | ENVIRONMENTAL RESOURCES MANAGEMENT AUSTRALIA PTY LIMITED |
| Organisation address | Level 14, 207 Kent Street, Sydney, Australia NSW 2000 |
| Representative's name | Jessica Kwok |
| Representative's job title | Managing Consultant |
| Phone | (07) 3007 8405 |
| Email | jessica.kwok@erm.com |
| Address | Level 9, 260 Queen Street, Brisbane, QLD 4000 |

✔ Confirmed Person proposing to take the action's identity

The Person proposing to take the action is the individual, business, government agency or trustee that will be responsible for the proposed action.

| | |
|----------------------------|---|
| ABN/ACN | 27616856672 |
| Organisation name | ACEN AUSTRALIA PTY LTD |
| Organisation address | Suite 2, Level 2, 15 Castray Esplanade, Battery Point, Hobart, Tasmania, Australia 7004 |
| Representative's name | Tim Slack |
| Representative's job title | Development Manager - QLD |
| Phone | 0419 310 012 |
| Email | tim.slack@acenrenewables.com.au |
| Address | Office 20, Level 34, 1 Eagle Street, Brisbane, QLD 4000 |

✔ Confirmed Proposed designated proponent's identity

The Person proposing to take the action is the individual or organisation proposed to be responsible for meeting the requirements of the EPBC Act during the assessment process, if the Minister decides that this project is a controlled action.

Same as Person proposing to take the action information.

1.4 Payment details: Payment exemption and fee waiver

1.4.1 Do you qualify for an exemption from fees under EPBC Regulation 5.23 (1) (a)? *

No

1.4.3 Have you applied for or been granted a waiver for full or partial fees under Regulation 5.21A? *

No

1.4.5 Are you going to apply for a waiver of full or partial fees under EPBC Regulation 5.21A?

No

1.4.7 Has the department issued you with a credit note? *

No

1.4.9 Would you like to add a purchase order number to your invoice? *

No

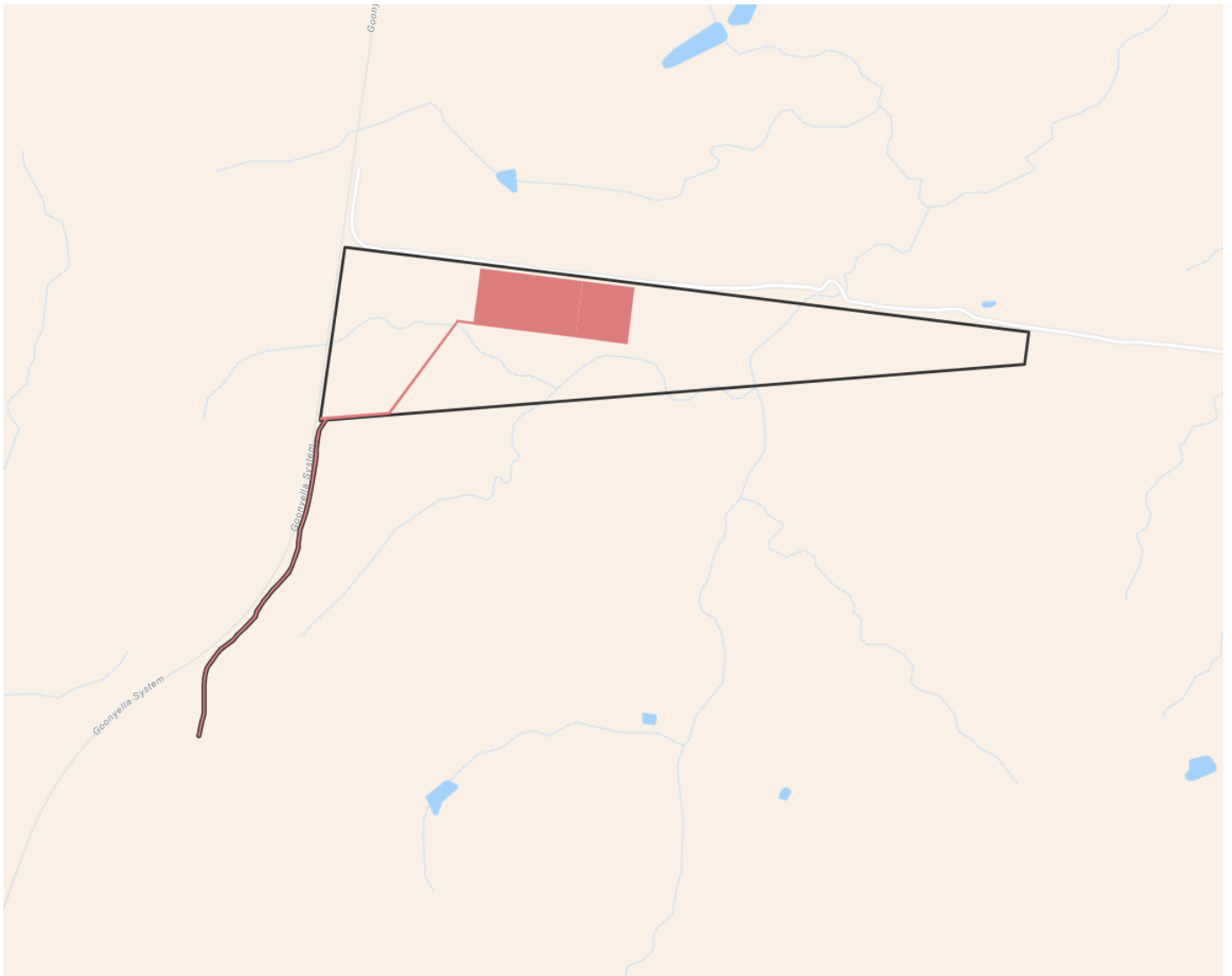
1.4 Payment details: Payment allocation

1.4.11 Who would you like to allocate as the entity responsible for payment? *

Person proposing to take the action

2. Location

2.1 Project footprint



Project Area: 151.92 Ha Disturbance Footprint: 21.21 Ha

2.2 Footprint details

2.2.1 What is the address of the proposed action? *

Lot 2 on RP616712 within the Central Highlands Regional Council Local Government Area.

2.2.2 Where is the primary jurisdiction of the proposed action? *

Queensland

2.2.3 Is there a secondary jurisdiction for this proposed action? *

No

2.2.5 What is the tenure of the action area relevant to the project area? *

The Project Area is made up of 1 freehold lot within the Central Highlands Regional Council Local Government Area. Site access for construction and operation will be from Liskeard Road on an existing farm track, with an 1km extension to the existing track proposed to connect to the proposed site access point on the frontage of the BESS Project Area.

3. Existing environment

3.1 Physical description

3.1.1 Describe the current condition of the project area's environment.

The Proposed Development occurs within the Northern Brigalow bioregion, as defined by the Interim Biogeographic Regionalisation for Australia (IBRA) framework. The topography of the Project Area is predominantly flat grazing land with a gentle rise to the west of the Project Area. Detached regrowth forest and woodland are occasionally present in open expanses of grazing land and native vegetation regrowth.

Numerous ephemeral creeks and rivers intersect the Project Area as part of alluvial plains, deposits and riparian zones. Additionally, Regulated Vegetation intersecting a watercourse is present in the Project Area. A crossing of this watercourse is proposed at one location to facilitate site access, and applicable operational approvals will be sought where required. Additional information regarding the creek crossing is provided in Att. 1, Appendix C.

The dominant historical land use of clearing and cattle grazing has prevented recovery of native ecological condition throughout the majority of Project Area. Patches of remnant vegetation exist in areas adjacent to the Project Area as well as regrowth areas of numerous species. Cleared areas are dominated by pastured land, sparse shrubs and juvenile regrowth. Additionally, the riparian fringing woodlands are limited to creek lines where they are immature, sparse and thin as a result of grazing activities and historic clearing. The area in which the Proposed Development infrastructure will be located, the Disturbance Footprint, is approximately 21.15 ha. The Disturbance Footprint will be located entirely on non-remnant vegetation, historically cleared and/or altered for agricultural practices.

The Project Area has been classified into seven ground-truthed broad habitat types, based on regional ecosystem mapping (Att. 1, Table 5-1, pp 32-35). These are summarised below:

- Brigalow regrowth (Non-TEC) (0.8 ha)
- Cleared land with Brigalow regrowth (Non-TEC) (1.2 ha)
- Cleared land with regrowth open shrubland and occasional *Lysiphyllum* (95.5 ha)
- *Eucalyptus* and *Corymbia* dieback with scattered emergent shrubs (36.0 ha)
- Mixed regrowth, and *Eucalyptus* and *Corymbia* woodland (4.9 ha)
- Watercourse with *Lysiphyllum* woodland, occasional Brigalow and significant dieback (3.9 ha)
- Watercourse with mixed regrowth low open woodland and occasional *Eucalyptus* (7.6 ha)

There are no protected areas within the Project Area, however one state forest, Bundoora State Forest, exists 24 km north of the Project Area.

3.1.2 Describe any existing or proposed uses for the project area.

Existing Uses

The Project Area is located within the Central Highlands Regional Council Local Government Area and zoned as Rural under the Central Highlands Regional Planning Scheme (amendment no. 7). The historical land use has been predominately for agricultural purposes, including cattle grazing with associated infrastructure, including tracks and fences. There is an existing substation (Lilyvale Substation), operated by Ergon Energy located immediately west of the Project Area, and the Lilyvale Solar Farm is approximately 7 km northwest of the Project Area. There is also an existing substation operated by Powerlink located approximately 1.5 km south of the Project Area. There are existing mineral extraction licenses and granted mining leases over the Project Area.

The surrounding area is dominated by existing coal mine operations to both the north and south, with the Project Area located approximately 3.4 km northeast of the Bowen Basin Coalfields and Gregory/Crinum Mine and 1 km south of multiple coal mine sites, including Mancala Oaky Creek North, Oaky Creek North and Aquila Mine. Broader use of the existing landscape consists of rural agricultural use, including cattle grazing and cropping. There is limited residential properties, with the closest residential property located approximately 6.5 km east of the Proposed Development.

Proposed Uses

The Proposed Development involves the construction and operation of a BESS and associated infrastructure, and will broadly consist of:

- 512 BESS containers;
- 128 inverters and Medium Voltage Power Stations;
- Electrical equipment including primary transformers, high voltage substation, auxiliary transformers, harmonic filters and control rooms; and
- Administrative and Operations and Maintenance buildings and facilities.

The total disturbance footprint is anticipated to be approximately 21.15 ha and consists entirely of non-remnant vegetation, historically cleared and/or altered for agricultural practices (refer to Att. 1, Section 6.4, pp 49-52).

3.1.3 Describe any outstanding natural features and/or any other important or unique values that applies to the project area.

There are no natural features and or/any other important or unique values specific to the Project Area under the EPBC Act. Bundoora State Forest does exist 24 km north of the Project Area. Notwithstanding, the Proponent recognises the importance of potential cultural heritage values that may be present in the Project Area and is working with the Traditional Owners to identified and mitigate any associated impacts.

3.1.4 Describe the gradient (or depth range if action is to be taken in a marine area) relevant to the project area.

The topography of the Project Area is predominantly flat grazing land with a gentle rise to the west of the Project Area.

3.2 Flora and fauna

3.2.1 Describe the flora and fauna within the affected area and attach any investigations of surveys if applicable.

1. The habitats in the Project Area are mostly in poor ecological condition, particularly those associated with the historical clearing and grazing land use, with signs of degradation due to cattle grazing, erosion, dieback and the presence of introduced flora species. Given the lack of remnant habitat and associated connectivity within the Project Area, it is unlikely that habitats provide a significant role in the survival of species. The Project Area has been classified into seven ground-truthed broad habitat types, based on regional ecosystem mapping (Att. 1, Table 5-1, pp 32-35). These are summarised below:

- Brigalow regrowth (Non-TEC) (0.8 ha)
- Cleared land with Brigalow regrowth (Non-TEC) (1.2 ha)
- Cleared land with regrowth open shrubland and occasional *Lysiphyllum* (95.6 ha)
- *Eucalyptus* and *Corymbia* dieback with scattered emergent shrubs (36.0 ha)
- Mixed regrowth, and *Eucalyptus* and *Corymbia* woodland (4.9 ha)
- Watercourse with *Lysiphyllum* woodland, occasional Brigalow and significant dieback (3.9 ha)
- Watercourse with mixed regrowth low open woodland and occasional *Eucalyptus* (7.6 ha)

Field investigations were undertaken within the Project Area in November 2024 (Att. 1, Section 4.3, pp 12-30), focusing on ground-truthing the ecological values in the Project Area, specifically relating to MNES with a known, likely or potential occurrence. The field survey was undertaken by two experienced ecologists over four days, with a total 80 person hours conducted. A summary of field investigation effort is provided below:

- 13 x quaternary level vegetation assessments: Review of vegetation community mapping and assessment of habitat distribution and representation sampling for RE verification using quaternary assessments.
- 13 x habitat quality assessments: Surveying habitat features such as sheltering and roosting microhabitats, proximity to water, aquatic habitat, connectivity, degree of disturbance etc. Also includes searches for signs of threatened fauna (i.e. koala scats).
- 7 BioCondition in line with the *BioCondition A Condition Assessment Framework for Terrestrial Biodiversity in Queensland Assessment Manual* (Queensland Herbarium, 2015); and MHQA specific to each targeted species as per the *Guide to determining terrestrial habitat quality* (DES, 2020).
- 13-point bird surveys via 20-minute bird survey in all habitat types; and Roaming bird surveys between survey areas.
- 13 x habitat assessment points including targeted searches for fauna, including meander surveys during other survey types for targeted species identified within the likelihood of occurrence
- One spotlighting transect over one night by two ecologists (totaling two person hours) particularly for Koala and greater glider.
- 13 x koala SATs (scat searches at every habitat assessment point)
- 50 x general observations

There are three Threatened Ecological Communities (TEC) that have the 'potential to occur within 10 km of the Project Area:

- Brigalow (*Acacia harpophylla* dominant and co-dominant) TEC;
- Natural Grasslands of the Queensland Central Highlands and northern Fitzroy Basin TEC;
- Poplar box grassy woodland on alluvial plains TEC; and
- Weeping Myall Woodlands TEC.

Following field surveys, no TECs are considered to be present within the Project Area.

There are no EPBC Act listed species that are 'known' or 'likely' to occur within the Project Area.

Six threatened species were assessed as having the potential to occur within the Study Area, being:

- Grey falcon (*Falco hypoleucos*); and
- Squatter pigeon (southern) (*Geophaps scripta scripta*);

- Diamond firetail (*Stagonopleura guttata*);
- Koala (*Phascolarctos cinereus*);
- Yakka skink (*Egernia rugosa*);
- Retro slider (*Lerista allanae*).

There are no EPBC Act listed migratory species known or likely to occur within the Study Area.

There is one listed migratory species having the 'potential' to occur within the Project Area:

- Fork-tailed swift (*Apus pacificus*).

3.2.2 Describe the vegetation (including the status of native vegetation and soil) within the project area.

The Project Area is in the Northern Brigalow Belt bioregion. Detached regrowth forest and woodland are occasionally present within the Study Area, in open expanses of grazing land and native vegetation regrowth. Numerous ephemeral creeks and rivers intersect the Project Area as part of alluvial plains, deposits and riparian zones.

Patches of remnant vegetation exist in areas adjacent to the Project Area as well as regrowth areas of numerous species. Cleared areas are dominated by pastured land, sparse shrubs and juvenile regrowth. Additionally, the riparian fringing woodlands are limited to creek lines where they are immature, sparse and thin as a result of grazing activities and historic clearing. The Study Area is contained entirely within Category X vegetation. The habitats in the Project Area are mostly in poor ecological condition, particularly those associated with the historical clearing and grazing land use, with signs of degradation due to cattle grazing, erosion, dieback and the presence of introduced flora species. Given the lack of remnant habitat and associated connectivity within the Project Area, it is unlikely that habitats provide a significant role in the survival of species.

The Project Area has been classified into seven ground-truthed broad habitat types, based on regional ecosystem mapping (Att. 1, Table 5-1, pp 32-35). These are summarised below:

- Brigalow regrowth (Non-TEC) (0.8 ha)
- Cleared land with Brigalow regrowth (Non-TEC) (1.2 ha)
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- Mixed regrowth, and *Eucalyptus* and *Corymbia* woodland (4.9 ha)
- Watercourse with *Lysiphyllum* woodland, occasional Brigalow and significant dieback (3.9 ha)
- Watercourse with mixed regrowth low open woodland and occasional *Eucalyptus* (7.6 ha)

The total disturbance footprint is anticipated to be approximately 21.15 ha and consists entirely of non-remnant vegetation, historically cleared and/or altered for agricultural practices.

3.3 Heritage

3.3.1 Describe any Commonwealth Heritage Places Overseas or other places recognised as having heritage values that apply to the project area.

There are no National or World heritage properties within the Project Area. No historic heritage values were identified through limited desktop research within the Project Area. There is generally a low potential for historic heritage values to exist however, historic heritage in rural landscapes can include government survey scars on trees (early surveyor property demarcation), historic stock routes, evidence of early mining or exploration camps, and some homesteads.

3.3.2 Describe any Indigenous heritage values that apply to the project area.

A Cultural Heritage Due Diligence Assessment has been conducted for the Proposed Development (Att. 2). The assessment concluded the following:

- A desktop review of potential heritage constraints within a regional environmental, historical and archaeological context has demonstrated the Proposed Development activities may pose a risk of harm to Aboriginal cultural heritage within the Project Area;
- There were no identified culturally significant sites within the Project Area, however, 30 sites were recorded within 500 m of the Project Area, with an additional two sites located within 2 km of the Project Area;
- The Proposed Development has been assessed as Duty of Care Categories 4 and 5, where the activity should not proceed without cultural heritage assessment; and
- A Cultural Heritage Survey was recommended as the Project Area has a moderate potential for previously unrecorded Aboriginal cultural heritage.

ACEN Australia has engaged with Traditional Owners. Early discussions around entering into a Cultural Heritage Management Plan (CHMP) are ongoing.

An initial survey was undertaken with the Traditional Owners' on 17 June 2025 whereby no significant matters were discovered on site.

3.4 Hydrology

3.4.1 Describe the hydrology characteristics that apply to the project area and attach any hydrological investigations or surveys if applicable. *

No specific hydrology assessments have been undertaken for the proposed action. The Project Area does not contain any major rivers or creeks running through the site, however, Sandy Creek is positioned approximately 700 m north of the Project Area.

Furthermore, the Project Area is located within the Fitzroy Basin, near the western boundary of the Mackenzie River sub-basin. Situated at the top of the catchment, the watercourses within the vicinity of the Project Area are lower stream order watercourses defined by intermittent flows.

The Department of Natural Resources and Mines, Manufacturing and Regional and Rural Development provides mapping for 'vegetation management watercourses and drainage features' that are used when assessing MSES. Utilising this mapping, a Regulated Vegetation intersecting a watercourse is present on the site, with this intersecting the Project Area. A crossing of this watercourse is proposed at one location to facilitate site access, and applicable operational approvals will be sought where required for the crossing of this watercourse.

There are no wetlands of international importance associated with the Project Area. There are also no high ecological value (HEV) waterways and wetlands, nor high ecological significance (HES) wetlands that occur within the Project Area (refer to Att 1., Section 5.1, pp.30).

4. Impacts and mitigation

4.1 Impact details

Potential Matters of National Environmental Significance (MNES) relevant to your proposed action area.

| EPBC Act section | Controlling provision | Impacted | Reviewed |
|-------------------------|--|-----------------|-----------------|
| S12 | World Heritage | No | Yes |
| S15B | National Heritage | No | Yes |
| S16 | Ramsar Wetland | No | Yes |
| S18 | Threatened Species and Ecological Communities | Yes | Yes |
| S20 | Migratory Species | Yes | Yes |
| S21 | Nuclear | No | Yes |
| S23 | Commonwealth Marine Area | No | Yes |
| S24B | Great Barrier Reef | No | Yes |
| S24D | Water resource in relation to large coal mining development or coal seam gas | No | Yes |
| S26 | Commonwealth Land | No | Yes |
| S27B | Commonwealth Heritage Places Overseas | No | Yes |
| S28 | Commonwealth or Commonwealth Agency | No | Yes |

4.1.1 World Heritage

You have identified your proposed action will likely directly and/or indirectly impact the following protected matters.

A direct impact is a direct consequence of an action taken – for example, clearing of habitat for a threatened species or permanent shading on an ecological community as the result of installing solar panels.

An indirect impact is an 'indirect consequence' such as a downstream impact or a facilitated third-party action.

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4.1.1.1 Is the proposed action likely to have any direct and/or indirect impact on any of these protected matters? *

No

4.1.1.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact.

*

There are no World Heritage Areas within or in proximity to the Project Area.

4.1.2 National Heritage

You have identified your proposed action will likely directly and/or indirectly impact the following protected matters.

A direct impact is a direct consequence of an action taken – for example, clearing of habitat for a threatened species or permanent shading on an ecological community as the result of installing solar panels.

An indirect impact is an 'indirect consequence' such as a downstream impact or a facilitated third-party action.

—

4.1.2.1 Is the proposed action likely to have any direct and/or indirect impact on any of these protected matters? *

No

4.1.2.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact.

*

There are no National Heritage places within or in proximity to the Project Area.

4.1.3 Ramsar Wetland

You have identified your proposed action will likely directly and/or indirectly impact the following protected matters.

A direct impact is a direct consequence of an action taken – for example, clearing of habitat for a threatened species or permanent shading on an ecological community as the result of installing solar panels.

An indirect impact is an 'indirect consequence' such as a downstream impact or a facilitated third-party action.

—

4.1.3.1 Is the proposed action likely to have any direct and/or indirect impact on any of these protected matters? *

No

4.1.3.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact.

*

There are no wetlands of international importance within or within 10 km of the Project Area.

There are no Ramsar Wetlands within the Project Area, or in proximity to the Project Area. There are not expected to be any impacts to the following wetlands as a result of their substantial distance from the Proposed Action:

- Moreton Bay – located approximately 640 km south-east of the Proposed Action.
- Bowling Green Bay – located approximately 420 km north of the Proposed Action.
- Currawinya Lakes – located approximately 700 km south-west of the Proposed Action.
- Shoalwater and Corio Bays Area – located approximately 210 km east of the Proposed Action.
- Great Sandy Strait located approximately 520 km south-east of the Proposed Action.

4.1.4 Threatened Species and Ecological Communities

You have identified your proposed action will likely directly and/or indirectly impact the following protected matters.

A direct impact is a direct consequence of an action taken – for example, clearing of habitat for a threatened species or permanent shading on an ecological community as the result of installing solar panels.

An indirect impact is an 'indirect consequence' such as a downstream impact or a facilitated third-party action.

Threatened species

| Direct impact | Indirect impact | Species | Common name |
|---------------|-----------------|-------------------------------------|--|
| Yes | | <i>Cadellia pentastylis</i> | Ooline |
| Yes | | <i>Calidris acuminata</i> | Sharp-tailed Sandpiper |
| Yes | | <i>Calidris ferruginea</i> | Curlew Sandpiper |
| Yes | | <i>Dasyurus hallucatus</i> | Northern Quoll, Digul [Gogo-Yimidir], Wijingadda [Dambimangari], Wiminji [Martu] |
| Yes | | <i>Delma torquata</i> | Adorned Delma, Collared Delma |
| Yes | | <i>Denisonia maculata</i> | Ornamental Snake |
| Yes | | <i>Dichanthium queenslandicum</i> | King Blue-grass |
| Yes | | <i>Dichanthium setosum</i> | bluegrass |
| Yes | | <i>Egernia rugosa</i> | Yakka Skink |
| Yes | | <i>Elseya albagula</i> | Southern Snapping Turtle, White-throated Snapping Turtle |
| Yes | | <i>Erythroriorchis radiatus</i> | Red Goshawk |
| Yes | | <i>Falco hypoleucos</i> | Grey Falcon |
| Yes | | <i>Furina dunmalli</i> | Dunmall's Snake |
| Yes | | <i>Gallinago hardwickii</i> | Latham's Snipe, Japanese Snipe |
| Yes | | <i>Geophaps scripta scripta</i> | Squatter Pigeon (southern) |
| Yes | | <i>Grantiella picta</i> | Painted Honeyeater |
| Yes | | <i>Lerista allanae</i> | Allan's Lerista, Retro Slider |
| Yes | | <i>Macroderma gigas</i> | Ghost Bat |
| Yes | | <i>Neochmia ruficauda ruficauda</i> | Star Finch (eastern), Star Finch (southern) |
| Yes | | <i>Petauroides volans</i> | Greater Glider (southern and central) |

| Direct impact | Indirect impact | Species | Common name |
|---------------|-----------------|---|--|
| Yes | | Phascolarctos cinereus (combined populations of Qld, NSW and the ACT) | Koala (combined populations of Queensland, New South Wales and the Australian Capital Territory) |
| Yes | | Poephila cincta cincta | Southern Black-throated Finch |
| Yes | | Polianthion minutiflorum | |
| Yes | | Pteropus poliocephalus | Grey-headed Flying-fox |
| Yes | | Rheodytes leukops | Fitzroy River Turtle, Fitzroy Tortoise, Fitzroy Turtle, White-eyed River Diver |
| Yes | | Rostratula australis | Australian Painted Snipe |
| Yes | | Stagonopleura guttata | Diamond Firetail |

Ecological communities

| Direct impact | Indirect impact | Ecological community |
|---------------|-----------------|---|
| Yes | | Brigalow (Acacia harpophylla dominant and co-dominant) |
| Yes | | Natural Grasslands of the Queensland Central Highlands and northern Fitzroy Basin |
| Yes | | Poplar Box Grassy Woodland on Alluvial Plains |
| Yes | | Weeping Myall Woodlands |

4.1.4.1 Is the proposed action likely to have any direct and/or indirect impact on any of these protected matters? *

Yes

4.1.4.2 Briefly describe why your action has a direct and/or indirect impact on these protected matters. *

A detailed assessment of the potential impacts to MNES is provided in (Att. 1, Table 8-1, pp. 58-60) with a summary of the impacts provided below:

Grey Falcon – unlikely significant impact

A total of 150 ha of potential grey falcon habitat has been identified within the Project Area, with 19.7 ha, (or 13.1%) of this habitat expected to be impacted by the Proposed Development. As no suitable breeding habitat has been identified within the Project Area, the Proposed Development will only impact potential foraging and dispersal habitat for the species, with this habitat considered to be in a degraded condition due to historical land practices and invasive species load. Additionally, no individuals of the species have been sighted within the Project Area, nor are any historical records of the species present within the Locality of the Project Area (within 40 km). Because of this, it is considered unlikely that the Project Area supports an important population of the species or habitat critical to the survival of the species. Considering the mitigation and management measures proposed, it is considered unlikely that the Proposed Development will have a significant impact on the grey falcon.

Squatter Pigeon (southern) – unlikely significant impact

Squatter pigeon (southern) is considered to have the potential to occur within the Project Area with no individuals observed during field surveys and no recent records of the species within the Locality. The species SPRAT profile (DCCEEW, 2000), outlines that all sub-populations occurring south of the Carnarvon Ranges in Central QLD are considered important sub-populations of the subspecies. As the Project Area is situated north of the Carnarvon Ranges and no individuals were sighted within the Project Area, it is considered unlikely that the Project Area supports an important population of the species. Additionally, due to the absence of a permanent water source within the Project Area, no suitable breeding habitat has been identified for the species, with only potential foraging and dispersal habitat mapped within the Project Area. It is therefore considered unlikely that the Project Area supports habitat critical to the survival of the species. Considering the mitigation and management measures proposed, it is considered unlikely that an impact of 19.7 ha of potential foraging and dispersal habitat will have a significant impact on the squatter pigeon (southern).

Diamond Firetail – unlikely significant impact

The diamond firetail has not been observed within the Project Area, however the species is considered as having the potential to occur due to 54.4 ha of potentially suitable general habitat being identified during field surveys. As the species has not been recorded within the Project Area or the Locality, the Project Area is unlikely to support an important population of the species. Considering the species approved conservation advice (DCCEEW, 2023), it is considered unlikely that habitat critical to the survival of the species occurs within the Project Area as this area occupies the species 'May Occur' distribution and the species has not been recorded within the Project Area or the Locality.

The total amount of potential diamond firetail habitat to be impacted as a result of the Proposed Development is 0.33 ha (or 0.6%). Considering the mitigation and management measures proposed, it is considered unlikely that an impact of 0.33 ha of potential habitat will have a significant impact on the diamond firetail.

Koala – unlikely significant impact

Koala is considered to have the potential to occur within the Project Area with no individuals recorded during field surveys and no records occurring within the Project Area. A total of 12.6 ha of potential dispersal habitat occurs within the Project Area, with 0.02 ha (or 0.2%) of this habitat expected to be impacted by the Proposed Development. Although no breeding or foraging habitat has been identified within the Project Area, certain habitat within the Project Area has the potential to contribute to species dispersal. However, given the lack of extensive remnant habitat and associated connectivity within the Project Area locality, it is unlikely that this small, degraded dispersal corridor within the Project Area plays a significant role in koala

dispersal. Therefore, it is unlikely that the Proposed Development will adversely impact habitat critical to the species' survival. Considering the mitigation and management measures proposed, it is considered unlikely that an impact of 0.02 ha of potential dispersal habitat will have a significant impact on the koala.

Yakka Skink – unlikely significant impact

Yakka skink is considered to have the potential to occur within the Project Area, with no individuals recorded during field surveys and no records occurring within the Project Area or the Locality. Due to its degraded and fragmented condition, potential habitat identified within the Project Area is considered unlikely to constitute important habitat for the species, as assessed against the important habitat criteria defined in the draft referral guidelines for Brigalow Belt reptiles (DCCEEW, 2024), or habitat critical to the survival of the species, as assessed against the criteria defined in SIG 1.1 (DEWHA, 2013). Therefore, considering the mitigation and management measures proposed, it is considered unlikely that an impact of 0.15 ha of potential habitat will have a significant impact on the yakka skink.

Retro Slider – unlikely significant impact

A total of 3.04 ha of potential retro slider habitat has been identified within the Project Area, with 0.17 ha (or 5.6%) of this habitat expected to be impacted by the Proposed Development. The retro slider is only considered to have the potential to occur within the Project Area, with no individuals observed during field surveys and no records recorded within the Project Area or Locality. Due to its degraded and fragmented condition, potential habitat identified within the Project Area is considered unlikely to constitute habitat critical to the survival of the species. Considering the mitigation and management measures proposed, it is considered unlikely that an impact of 0.17 ha to potential habitat will have a significant impact on the retro slider.

4.1.4.4 Do you consider this likely direct and/or indirect impact to be a Significant Impact?

*

No

4.1.4.6 Describe why you do not consider this to be a Significant Impact. *

The MNES Impact Assessment Report outlines a Significant Impact Assessment (Att. 1, Table 8-1, pp. 58-60). The results are summarised below:

Grey Falcon – unlikely significant impact

A total of 150 ha of potential grey falcon habitat has been identified within the Project Area, with 19.7 ha, (or 13.1%) of this habitat expected to be impacted by the Proposed Development. As no suitable breeding habitat has been identified within the Project Area, the Proposed Development will only impact potential foraging and dispersal habitat for the species, with this habitat considered to be in a degraded condition due to historical land practices and invasive species load. Additionally, no individuals of the species have been sighted within the Project Area, nor are any historical records of the species present within the Locality of the Project Area (within 40 km). Because of this, it is considered unlikely that the Project Area supports an important population of the species or habitat critical to the survival of the species. It is therefore considered unlikely that the Proposed Development will have a significant impact on the grey falcon.

Squatter Pigeon (southern) – unlikely significant impact

Squatter pigeon (southern) is considered to have the potential to occur within the Project Area with no individuals observed during field surveys and no recent records of the species within the Locality. The species SPRAT profile (DCCEEW, 2000), outlines that all sub-populations occurring south of the Carnarvon Ranges in Central QLD are considered important sub-populations of the subspecies. As the Project Area is situated north of the Carnarvon Ranges and no individuals were sighted within the Project Area, it is considered unlikely that the Project Area supports an important population of the species. Additionally, due to the absence of a permanent water source within the Project Area, no suitable breeding habitat has been identified for the species, with only potential foraging and dispersal habitat mapped within the Project Area. It is therefore considered unlikely that the Project Area supports habitat critical to the survival of the species. It is therefore considered unlikely that an impact of 19.7 ha of potential foraging and dispersal habitat will have a significant impact on the squatter pigeon (southern).

Diamond Firetail – unlikely significant impact

The diamond firetail has not been observed within the Project Area, however the species is considered as having the potential to occur due to 54.4 ha of potentially suitable general habitat being identified during field surveys. As the species has not been recorded within the Project Area or the Locality, the Project Area is unlikely to support an important population of the species. Considering the species approved conservation advice (DCCEEW, 2023), it is considered unlikely that habitat critical to the survival of the species occurs within the Project Area as this area occupies the species 'May Occur' distribution and the species has not been recorded within the Project Area or the Locality.

The total amount of potential diamond firetail habitat to be impacted as a result of the Proposed Development is 0.33 ha (or 0.6%). It is therefore considered unlikely that an impact of 0.33 ha of potential habitat will have a significant impact on the diamond firetail.

Koala – unlikely significant impact

Koala is considered to have the potential to occur within the Project Area with no individuals recorded during field surveys and no records occurring within the Project Area. A total of 12.6 ha of potential dispersal habitat occurs within the Project Area, with 0.02 ha (or 0.2%) of this habitat expected to be impacted by the Proposed Development. Although no breeding or foraging habitat has been identified within the Project Area, certain habitat within the Project Area has the potential to contribute to species dispersal. However, given the lack of extensive remnant habitat and associated connectivity within the Project Area locality, it is unlikely that this small, degraded dispersal corridor within the Project Area plays a significant role in koala dispersal. Therefore, it is unlikely that the Proposed Development will adversely impact habitat critical to the species' survival. It is therefore considered unlikely that an impact of 0.02 ha of potential dispersal habitat will have a significant impact on the koala.

Yakka Skink – unlikely significant impact

Yakka skink is considered to have the potential to occur within the Project Area, with no individuals recorded during field surveys and no records occurring within the Project Area or the Locality. Due to its degraded and fragmented condition, potential habitat identified within the Project Area is considered unlikely to constitute important habitat for the species, as assessed against the important habitat criteria defined in the draft referral guidelines for Brigalow Belt reptiles (DCCEEW, 2024), or habitat critical to the survival of the species, as assessed against the criteria defined in SIG 1.1 (DEWHA, 2013). It is therefore considered unlikely that an impact of 0.15 ha of potential habitat will have a significant impact on the yakka skink.

Retro Slider – unlikely significant impact

A total of 3.0 ha of potential retro slider habitat has been identified within the Project Area, with 0.17 ha (or 5.6%) of this habitat expected to be impacted by the Proposed Development. The retro slider is only considered to have the potential to occur within the Project Area, with no individuals observed during field surveys and no records recorded within the Project Area or Locality. Due to its degraded and fragmented condition, potential habitat identified within the Project Area is considered unlikely to constitute habitat critical to the survival of the species. It is therefore considered unlikely that an impact of 0.17 ha to potential habitat will have a significant impact on the retro slider.

4.1.4.7 Do you think your proposed action is a controlled action? *

No

4.1.4.9 Please elaborate why you do not think your proposed action is a controlled action.

*

A detailed investigation into the risks and mitigation or avoidance measures is included (Att. 1 Section 7, pp 53) and the Proposed Development is unlikely to be a controlled action due to the following:

- The Proposed Development layout has been through multiple iterations. The objective of the design phase has been to enable the Disturbance Footprint of 21.15 ha to avoid impacts to higher quality ecological habitat. Therefore, the Proposed Development is entirely within non-remnant vegetation.
- Impact Assessments were taken against the relevant MNES impact assessment guidelines, and it was concluded that it is unlikely to be a significant residual impact for all the EPBC listed species.
- Mitigation measures are being implemented, such as the Vegetation Management Plan, Fauna Management Plan and Biosecurity Management Plan, which will minimise further impacts to MNES ecological values.

4.1.4.10 Please describe any avoidance or mitigation measures proposed for this action and attach any supporting documentation for these avoidance and mitigation measures. *

Management and Mitigation measures are outlined in the MNES Impact Assessment Report (Att. 1, Section 7, pp 53-56). A summary of the management and mitigation measures are outlined below:

The Proposed Action will manage potential impacts on MNES species in line with best-practice approaches used for BESS infrastructure. The Proposed Action will follow a management hierarchy of environmental management principles – avoid, minimise, mitigate and offset – to guide all development activities. This approach ensures that impacts on migratory species are reduced as far as practicable through careful planning and adaptive management.

A two-stage design process has been implemented, to identify and avoid areas of environmental significance, Impacts to higher quality native vegetation has been avoided, with no clearing to remnant or high-value regrowth vegetation and limited clearing riparian vegetation (0.02 ha).

Considerate and effective avoidance measures, undertaken through ongoing consultation with engineers and ERM ecologists, have resulted in over 98% of the Disturbance Footprint (20.83 ha) being located within low ecological value cleared land (Cleared land with regrowth open shrubland & occasional *Lysiphyllum* BHT). Direct impact to all other habitat with any potential value to MNES species is less than 0.4 ha (0.2% of the Project Area). This does not consider the grey falcon or squatter pigeon which, due to their generalist foraging and dispersal natures, have been considered to potentially utilise the entirety of the Project Area as general habitat.

Additionally, ACEN Australia will implement a suite of management plans during construction, operation and decommissioning to mitigate risks to migratory species. These include:

- Vegetation Management Plan
- Fauna Management Plan
- Biosecurity Management Plan

Any vegetation clearing, regardless of its suitability for listed threatened species will undergo a pre-clearance assessment to minimise risk of unforeseen impact to threatened species. Where risks are identified from pre-clearance assessments, a qualified fauna spotter-catcher will undergo searches immediately prior to clearing of any vegetation for presence of any fauna species. If fauna species or nesting sites are detected, the qualified fauna spotter catcher will assess and conduct the most appropriate method at the time to avoid or minimise impacts from clearing. To minimise further disturbance to vegetation, vehicles and associated equipment/machinery will be confined to approved and zoned work areas.

4.1.4.11 Please describe any proposed offsets and attach any supporting documentation relevant to these measures. *

A Significant Impact Assessment (SIA) was undertaken for relevant MNES against the SIG 1.1 (DoE, 2013). The SIA concluded that the Proposed Development is unlikely to have a significant impact on any MNES identified within the Project Area. As no significant impact has been identified, it is unlikely that the Proponent will be required to commit to any offsetting requirements.

However, if the Proposed Development is subject to change and significant impacts to MNES cannot be avoided, the Proponent will be committed to offsetting these impacts. An Offset Management Strategy would need to be prepared that specifically outlines the requirements to deliver and manage appropriate land-based offsets, in accordance with the conditions of approvals for the Proposed Development. Offset requirements for specific species would be calculated in accordance with the EPBC Act Environmental Offsets Policy (DSEWPC, 2012). Once an offset area is selected, and adequate surveys undertaken to confirm species habitat and habitat quality, an Offsets Area Management Plan would be required for the implementation and ongoing management of the selected offset areas.

4.1.5 Migratory Species

You have identified your proposed action will likely directly and/or indirectly impact the following protected matters.

A direct impact is a direct consequence of an action taken – for example, clearing of habitat for a threatened species or permanent shading on an ecological community as the result of installing solar panels.

An indirect impact is an 'indirect consequence' such as a downstream impact or a facilitated third-party action.

| Direct impact | Indirect impact | Species | Common name |
|---------------|-----------------|-----------------------------|-------------------------------------|
| Yes | | <i>Actitis hypoleucos</i> | Common Sandpiper |
| Yes | | <i>Apus pacificus</i> | Fork-tailed Swift |
| Yes | | <i>Calidris acuminata</i> | Sharp-tailed Sandpiper |
| Yes | | <i>Calidris ferruginea</i> | Curlew Sandpiper |
| Yes | | <i>Calidris melanotos</i> | Pectoral Sandpiper |
| Yes | | <i>Cuculus optatus</i> | Oriental Cuckoo, Horsfield's Cuckoo |
| Yes | | <i>Gallinago hardwickii</i> | Latham's Snipe, Japanese Snipe |
| Yes | | <i>Motacilla flava</i> | Yellow Wagtail |
| Yes | | <i>Pandion haliaetus</i> | Osprey |

4.1.5.1 Is the proposed action likely to have any direct and/or indirect impact on any of these protected matters? *

Yes

4.1.5.2 Briefly describe why your action has a direct and/or indirect impact on these protected matters. *

There are no EPBC Act listed migratory species 'known' or 'likely' to occur within the Project Area.

There is one listed migratory species having the 'potential' to occur within the Project Area:

- Fork-tailed swift (*Apus pacificus*).
- Direct impacts to the fork-tailed swift are discussed in the MNES Assessment Report (Att. 1, Section 8, pp 57).

The lack of records of fork-tailed swift within the Project Area suggests it is unlikely there is an important population of fork-tailed swift in the Project Area. The entire Project Area is considered potential foraging habitat for the species. Due to the species aerial nature, it is unlikely that the Proposed Action will remove the foraging value of this habitat. Additionally, the species does not breed in Australia and is not likely to roost. Therefore, occurrence of the species is typically as a flyover visitor, which will not be impacted by the Proposed Action. Based on the above, it is unlikely that the Proposed Action is unlikely to lead to a significant impact to migratory species.

4.1.5.4 Do you consider this likely direct and/or indirect impact to be a Significant Impact?

*

No

4.1.5.6 Describe why you do not consider this to be a Significant Impact. *

Fork-tailed Swift

The entire Project Area is considered potential foraging habitat for the fork-tailed swift, however, impacts associated with the Proposed Development are unlikely to remove the foraging value of this habitat due to the species being an aerial forager. The fork-tailed swift does not breed in Australia, nor is it considered likely to roost. Therefore, any occurrence of the species in the Project Area is likely to be a flyover visitor only, which is unlikely to be impacted by the Proposed Development. An ecologically significant proportion of fork-tailed swift is 100 individuals (for nationally significant) or 1,000 (for internationally significant) (DoE, 2015b). Considering the lack of recent records of the species within the Project Area and Locality, and the strict aerial nature of this species, the Project Area is unlikely to host an ecologically significant proportion of this species.

4.1.5.7 Do you think your proposed action is a controlled action? *

No

4.1.5.9 Please elaborate why you do not think your proposed action is a controlled action.

*

The entire Project Area is considered potential foraging habitat for the fork-tailed swift, however, impacts associated with the Proposed Development are unlikely to remove the foraging value of this habitat due to the species being an aerial forager. The fork-tailed swift does not breed in Australia, nor is it considered likely to roost. Therefore, any occurrence of the species in the Project Area is likely to be a flyover visitor only, which is unlikely to be impacted by the Proposed Development. An ecologically significant proportion of fork-tailed swift is 100 individuals (for nationally significant) or 1,000 (for internationally significant) (DoE, 2015b). Considering the lack of recent records of the species within the Project Area and Locality, and the strict aerial nature of this species, the Project Area is unlikely to host an ecologically significant proportion of this species.

4.1.5.10 Please describe any avoidance or mitigation measures proposed for this action and attach any supporting documentation for these avoidance and mitigation measures. *

Management and Mitigation measures are outlined in the MNES EAR (Att. 1, Section 7, pp 53-56). A summary of the management and mitigation measures are outlined below:

The Proposed Action will manage potential impacts on migratory species in line with best-practice approaches used for BESS infrastructure. The Proposed Action will follow a management hierarchy of environmental management principles – avoid, minimise, mitigate and offset – to guide all development activities. This approach ensures that impacts on migratory species are reduced as far as practicable through careful planning and adaptive management.

A two-stage design process has been implemented, to identify and avoid areas of environmental significance, including migratory species habitat. Additionally, ACEN Australia will implement a suite of management plans during construction, operation and decommissioning to mitigate risks to migratory species. These include:

- Vegetation Management Plan
- Fauna Management Plan
- Biosecurity Management Plan

4.1.5.11 Please describe any proposed offsets and attach any supporting documentation relevant to these measures. *

A Significant Impact Assessment (SIA) was undertaken for relevant MNES against the SIG 1.1 (DoE, 2013). The SIA concluded that the Proposed Development is unlikely to have a significant impact on any MNES identified within the Project Area. As no significant impact has been identified, it is unlikely that the Proponent will be required to commit to any offsetting requirements.

However, if the Proposed Development is subject to change and significant impacts to MNES cannot be avoided, the Proponent will be committed to offsetting these impacts. An Offset Management Strategy would need to be prepared that specifically outlines the requirements to deliver and manage appropriate land-based offsets, in accordance with the conditions of approvals for the Proposed Development. Offset requirements for specific species would be calculated in accordance with the EPBC Act Environmental Offsets Policy (DSEWPC, 2012). Once an offset area is selected, and adequate surveys undertaken to confirm species habitat and habitat quality, an Offsets Area Management Plan would be required for the implementation and ongoing management of the selected offset areas.

4.1.6 Nuclear

4.1.6.1 Is the proposed action likely to have any direct and/or indirect impact on this protected matter? *

No

4.1.6.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact.

*

The Proposed Action does not involve a nuclear action.

4.1.7 Commonwealth Marine Area

You have identified your proposed action will likely directly and/or indirectly impact the following protected matters.

A direct impact is a direct consequence of an action taken – for example, clearing of habitat for a threatened species or permanent shading on an ecological community as the result of installing solar panels.

An indirect impact is an 'indirect consequence' such as a downstream impact or a facilitated third-party action.

—

4.1.7.1 Is the proposed action likely to have any direct and/or indirect impact on any of these protected matters? *

No

4.1.7.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact.

*

There are no Commonwealth Marine area within or in proximity to the Project Area.

4.1.8 Great Barrier Reef

4.1.8.1 Is the proposed action likely to have any direct and/or indirect impact on this protected matter? *

No

4.1.8.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact.

*

The Project Area is not within the Great Barrier Reef catchment area.

4.1.9 Water resource in relation to large coal mining development or coal seam gas

4.1.9.1 Is the proposed action likely to have any direct and/or indirect impact on this protected matter? *

No

4.1.9.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact.

*

The Proposed Action is not in relation to a large coal mining development or coal seam gas development.

4.1.10 Commonwealth Land

You have identified your proposed action will likely directly and/or indirectly impact the following protected matters.

A direct impact is a direct consequence of an action taken – for example, clearing of habitat for a threatened species or permanent shading on an ecological community as the result of installing solar panels.

An indirect impact is an 'indirect consequence' such as a downstream impact or a facilitated third-party action.

—

4.1.10.1 Is the proposed action likely to have any direct and/or indirect impact on any of these protected matters? *

No

4.1.10.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact.

*

The Project Area is not on Commonwealth land.

4.1.11 Commonwealth Heritage Places Overseas

You have identified your proposed action will likely directly and/or indirectly impact the following protected matters.

A direct impact is a direct consequence of an action taken – for example, clearing of habitat for a threatened species or permanent shading on an ecological community as the result of installing solar panels.

An indirect impact is an 'indirect consequence' such as a downstream impact or a facilitated third-party action.

—

4.1.11.1 Is the proposed action likely to have any direct and/or indirect impact on any of these protected matters? *

No

4.1.11.3 Briefly describe why your action is unlikely to have a direct and/or indirect impact.

*

There are no Commonwealth Heritage Places Overseas within or in proximity to the Project Area.

4.1.12 Commonwealth or Commonwealth Agency

4.1.12.1 Is the proposed action to be taken by the Commonwealth or a Commonwealth Agency? *

No

4.2 Impact summary

Conclusion on the likelihood of significant impacts

You have indicated that the proposed action will likely have a significant impact on the following Matters of National Environmental Significance:

None

Conclusion on the likelihood of unlikely significant impacts

You have indicated that the proposed action will unlikely have a significant impact on the following Matters of National Environmental Significance:

- World Heritage (S12)
- National Heritage (S15B)
- Ramsar Wetland (S16)
- Threatened Species and Ecological Communities (S18)
- Migratory Species (S20)
- Nuclear (S21)
- Commonwealth Marine Area (S23)
- Great Barrier Reef (S24B)
- Water resource in relation to large coal mining development or coal seam gas (S24D)
- Commonwealth Land (S26)
- Commonwealth Heritage Places Overseas (S27B)
- Commonwealth or Commonwealth Agency (S28)

4.3 Alternatives

4.3.1 Do you have any possible alternatives for your proposed action to be considered as part of your referral? *

No

4.3.8 Describe why alternatives for your proposed action were not possible. *

1. **Alternative proposed development location** – The site identification process involves a combination of assessment of grid capacity, landholder engagement and environmental assessments to identify a potentially viable project. Following these assessments, no viable alternative was identified in proximity to this Project.
2. **Alternative proposed development layout options** – Through the design process there have been various iterations of the Project Layout, in response to environmental constraints and proposed development needs. The final layout has been designed to ensure minimal impact to potential habitat while presenting a viable project.
3. **Do Nothing approach** – The Project Area is currently utilised for cattle grazing activities. Although the 'do nothing' scenario would allow for continued use of the site for agricultural production, it will also lead to a missed opportunity to store additional renewable energy and to reduce Australia's dependency on fossil fuels for energy generation and the consequential emissions of Greenhouse Gases. The area has historically and currently, been used for cattle grazing. This land use has impacted the ecological values of the Project Area through previous vegetation clearing and modification, allowing the introduction of exotic groundcover species. As this land use is supported by the zoning, it is likely that agricultural practices will continue to occur in the Project Area, continuing these adverse impacts to ecological values, including habitat for listed threatened species and communities. A do-nothing option would additionally prohibit potential project benefits, including:
 - Creation of employment opportunities
 - Direct and indirect benefits to the local and regional economy, including opportunities for local businesses and suppliers, improvements to public infrastructure, general growth and community development
 - Diversification of local revenue streams
 - Increased energy security.

5. Lodgement

5.1 Attachments

1.2.6 Commonwealth or state legislation, planning frameworks or policy documents that are relevant to the proposed action

| | Type | Name | Date | Sensitivity | Confidence |
|-----|-------------|---|-------------|--------------------|-------------------|
| #1. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part7.pdf Lilyvale BESS MNES EAR Part 7 | 29/07/2025 | No | High |
| #2. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part1.pdf MNES EAR Part 1 | 23/07/2025 | No | High |
| #3. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part2.pdf MNES EAR Part 2 | 23/07/2025 | No | High |
| #4. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part3.pdf MNES EAR Part 3 | 23/07/2025 | No | High |
| #5. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part4.pdf MNES EAR Part 4 | 23/07/2025 | No | High |
| #6. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part5.pdf MNES EAR Part 5 | 23/07/2025 | No | High |
| #7. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part6.pdf MNES EAR Part 6 | 23/07/2025 | No | High |
| #8. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part8.pdf Lilyvale BESS MNES EAR Part 8 | 29/07/2025 | No | High |

1.3.2.17 (Person proposing to take the action) Proposer's history of responsible environmental management

| | Type | Name | Date | Sensitivity | Confidence |
|-----|-------------|---|-------------|--------------------|-------------------|
| #1. | Document | Att 3 - Environmental-Policy.pdf ACEN Environmental Policy | 30/11/2023 | No | High |

1.3.2.18 (Person proposing to take the action) If the person proposing to take the action is a corporation, provide details of the corporation's environmental policy and planning framework

| | Type | Name | Date | Sensitivity | Confidence |
|-----|-------------|---|-------------|--------------------|-------------------|
| #1. | Document | Att 3 - Environmental-Policy.pdf ACEN Environmental Policy | 29/11/2023 | | High |

3.1.1 Current condition of the project area's environment

| | Type | Name | Date | Sensitivity | Confidence |
|-----|-------------|--|-------------|--------------------|-------------------|
| #1. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part1.pdf | 22/07/2025 | | High |

| MNES EAR Part 1 | | | | |
|-----------------|----------|---|------------|------|
| #2. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part2.pdf MNES EAR Part 2 | 22/07/2025 | High |
| #3. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part3.pdf MNES EAR Part 3 | 22/07/2025 | High |
| #4. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part4.pdf MNES EAR Part 4 | 22/07/2025 | High |
| #5. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part4.pdf MNES EAR Part 4 | 22/07/2025 | High |
| #6. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part5.pdf MNES EAR Part 5 | 22/07/2025 | High |
| #7. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part6.pdf MNES EAR Part 6 | 22/07/2025 | High |
| #8. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part7.pdf MNES EAR Part 7 | 22/07/2025 | High |

3.1.2 Existing or proposed uses for the project area

| | Type | Name | Date | Sensitivity Confidence |
|-----|----------|---|------------|------------------------|
| #1. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part1.pdf MNES EAR Part 1 | 22/07/2025 | High |
| #2. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part2.pdf MNES EAR Part 2 | 22/07/2025 | High |
| #3. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part3.pdf MNES EAR Part 3 | 22/07/2025 | High |
| #4. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part4.pdf MNES EAR Part 4 | 22/07/2025 | High |
| #5. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part5.pdf MNES EAR Part 5 | 22/07/2025 | High |
| #6. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part6.pdf MNES EAR Part 6 | 22/07/2025 | High |

| | | | | |
|-----|----------|---|------------|------|
| #7. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part7.pdf MNES EAR Part 7 | 22/07/2025 | High |
|-----|----------|---|------------|------|

3.2.1 Flora and fauna within the affected area

| | Type | Name | Date | Sensitivity | Confidence |
|-----|----------|---|------------|-------------|------------|
| #1. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part1.pdf MNES EAR Part 1 | 22/07/2025 | | High |
| #2. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part2.pdf MNES EAR Part 2 | 22/07/2025 | | High |
| #3. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part3.pdf MNES EAR Part 3 | 22/07/2025 | | High |
| #4. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part4.pdf MNES EAR Part 4 | 22/07/2025 | | High |
| #5. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part5.pdf MNES EAR Part 5 | 22/07/2025 | | High |
| #6. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part6.pdf MNES EAR Part 6 | 22/07/2025 | | High |
| #7. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part7.pdf MNES EAR Part 7 | 22/07/2025 | | High |

3.2.2 Vegetation within the project area

| | Type | Name | Date | Sensitivity | Confidence |
|-----|----------|---|------------|-------------|------------|
| #1. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part1.pdf MNES EAR Part 1 | 22/07/2025 | | High |
| #2. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part2.pdf MNES EAR Part 2 | 22/07/2025 | | High |
| #3. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part3.pdf MNES EAR Part 3 | 22/07/2025 | | High |
| #4. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part4.pdf MNES EAR Part 4 | 22/07/2025 | | High |
| #5. | Document | | | | |

| | | | |
|-----|--|------------|------|
| | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part5.pdf MNES EAR Part 5 | 22/07/2025 | High |
| #6. | Document Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part6.pdf MNES EAR Part 6 | 22/07/2025 | High |
| #7. | Document Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part7.pdf MNES EAR Part 7 | 22/07/2025 | High |

3.3.2 Indigenous heritage values that apply to the project area

| | Type | Name | Date | Sensitivity | Confidence |
|-----|----------|---|------|-------------|------------|
| #1. | Document | Att 2- Lilyvale BESS CHDDA_Final.pdf Cultural Heritage Due Diligence Assessment | | Yes | High |

3.4.1 Hydrology characteristics that apply to the project area

| | Type | Name | Date | Sensitivity | Confidence |
|-----|----------|---|------------|-------------|------------|
| #1. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part1.pdf MNES EAR Part 1 | 22/07/2025 | | High |
| #2. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part2.pdf MNES EAR Part 2 | 22/07/2025 | | High |
| #3. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part3.pdf MNES EAR Part 3 | 22/07/2025 | | High |
| #4. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part4.pdf MNES EAR Part 4 | 22/07/2025 | | High |
| #5. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part5.pdf MNES EAR Part 5 | 22/07/2025 | | High |
| #6. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part6.pdf MNES EAR Part 6 | 22/07/2025 | | High |
| #7. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part7.pdf MNES EAR Part 7 | 22/07/2025 | | High |

4.1.4.2 (Threatened Species and Ecological Communities) Why your action has a direct and/or indirect impact on the identified protected matters

| | Type | Name | Date | Sensitivity | Confidence |
|--|------|------|------|-------------|------------|
|--|------|------|------|-------------|------------|

| | | | | |
|-----|----------|---|------------|------|
| #1. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part1.pdf MNES EAR Part 1 | 22/07/2025 | High |
| #2. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part2.pdf MNES EAR Part 2 | 22/07/2025 | High |
| #3. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part3.pdf MNES EAR Part 3 | 22/07/2025 | High |
| #4. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part4.pdf MNES EAR Part 4 | 22/07/2025 | High |
| #5. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part5.pdf MNES EAR Part 5 | 22/07/2025 | High |
| #6. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part6.pdf MNES EAR Part 6 | 22/07/2025 | High |
| #7. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part7.pdf MNES EAR Part 7 | 22/07/2025 | High |

4.1.4.6 (Threatened Species and Ecological Communities) Why you do not consider the direct and/or indirect impact to be a Significant Impact

| | Type | Name | Date | Sensitivity Confidence |
|-----|----------|---|------------|------------------------|
| #1. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part1.pdf MNES EAR Part 1 | 22/07/2025 | High |
| #2. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part2.pdf MNES EAR Part 2 | 22/07/2025 | High |
| #3. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part3.pdf MNES EAR Part 3 | 22/07/2025 | High |
| #4. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part4.pdf MNES EAR Part 4 | 22/07/2025 | High |
| #5. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part5.pdf MNES EAR Part 5 | 22/07/2025 | High |
| #6. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part6.pdf MNES EAR Part 6 | 22/07/2025 | High |
| #7. | Document | | | |

Att 1 - Lilyvale BESS MNES
 EAR_Final.docx-Part7.pdf
 MNES EAR Part 7

22/07/2025

High

4.1.4.9 (Threatened Species and Ecological Communities) Why you do not think your proposed action is a controlled action

| | Type | Name | Date | Sensitivity Confidence |
|-----|-------------|---|-------------|-------------------------------|
| #1. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part1.pdf MNES EAR Part 1 | 22/07/2025 | High |
| #2. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part2.pdf MNES EAR Part 2 | 22/07/2025 | High |
| #3. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part3.pdf MNES EAR Part 3 | 22/07/2025 | High |
| #4. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part4.pdf MNES EAR Part 4 | 22/07/2025 | High |
| #5. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part5.pdf MNES EAR Part 5 | 22/07/2025 | High |
| #6. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part6.pdf MNES EAR Part 6 | 22/07/2025 | High |
| #7. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part7.pdf MNES EAR Part 7 | 22/07/2025 | High |

4.1.4.10 (Threatened Species and Ecological Communities) Avoidance or mitigation measures proposed for this action

| | Type | Name | Date | Sensitivity Confidence |
|-----|-------------|---|-------------|-------------------------------|
| #1. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part1.pdf MNES EAR Part 1 | 22/07/2025 | High |
| #2. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part2.pdf MNES EAR Part 2 | 22/07/2025 | High |
| #3. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part3.pdf MNES EAR Part 3 | 22/07/2025 | High |
| #4. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part4.pdf MNES EAR Part 4 | 22/07/2025 | High |
| #5. | Document | | | |

| | | |
|--|------------|------|
| Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part5.pdf MNES EAR Part 5 | 22/07/2025 | High |
| #6. Document Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part6.pdf MNES EAR Part 6 | 22/07/2025 | High |
| #7. Document Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part7.pdf MNES EAR Part 7 | 22/07/2025 | High |

4.1.5.2 (Migratory Species) Why your action has a direct and/or indirect impact on the identified protected matters

| | Type | Name | Date | Sensitivity | Confidence |
|-----|----------|---|------------|-------------|------------|
| #1. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part1.pdf MNES EAR Part 1 | 22/07/2025 | | High |
| #2. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part2.pdf MNES EAR Part 2 | 22/07/2025 | | High |
| #3. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part3.pdf MNES EAR Part 3 | 22/07/2025 | | High |
| #4. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part4.pdf MNES EAR Part 4 | 22/07/2025 | | High |
| #5. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part5.pdf MNES EAR Part 5 | 22/07/2025 | | High |
| #6. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part6.pdf MNES EAR Part 6 | 22/07/2025 | | High |
| #7. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part7.pdf MNES EAR Part 7 | 22/07/2025 | | High |

4.1.5.3 (Migratory Species) Why your action is unlikely to have a direct and/or indirect impact

| | Type | Name | Date | Sensitivity | Confidence |
|-----|----------|---|------------|-------------|------------|
| #1. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part1.pdf MNES EAR Part 1 | 22/07/2025 | | High |
| #2. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part2.pdf MNES EAR Part 2 | 22/07/2025 | | High |
| #3. | Document | | | | |

| | | | |
|-----|--|------------|------|
| | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part3.pdf MNES EAR Part 3 | 22/07/2025 | High |
| #4. | Document Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part4.pdf MNES EAR Part 4 | 22/07/2025 | High |
| #5. | Document Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part5.pdf MNES EAR Part 5 | 22/07/2025 | High |
| #6. | Document Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part6.pdf MNES EAR Part 6 | 22/07/2025 | High |
| #7. | Document Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part7.pdf MNES EAR Part 7 | 22/07/2025 | High |

4.1.5.10 (Migratory Species) Avoidance or mitigation measures proposed for this action

| | Type | Name | Date | Sensitivity | Confidence |
|-----|----------|---|------------|-------------|------------|
| #1. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part1.pdf MNES EAR Part 1 | 22/07/2025 | | High |
| #2. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part2.pdf MNES EAR Part 2 | 22/07/2025 | | High |
| #3. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part3.pdf MNES EAR Part 3 | 22/07/2025 | | High |
| #4. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part4.pdf MNES EAR Part 4 | 22/07/2025 | | High |
| #5. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part5.pdf MNES EAR Part 5 | 22/07/2025 | | High |
| #6. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part6.pdf MNES EAR Part 6 | 22/07/2025 | | High |
| #7. | Document | Att 1 - Lilyvale BESS MNES EAR_Final.docx-Part7.pdf MNES EAR Part 7 | 22/07/2025 | | High |

5.2 Declarations

✔ Completed Referring party's declaration

The Referring party is the person preparing the information in this referral.

| | |
|----------------------------|--|
| ABN/ACN | 12002773248 |
| Organisation name | ENVIRONMENTAL RESOURCES MANAGEMENT AUSTRALIA PTY LIMITED |
| Organisation address | Level 14, 207 Kent Street, Sydney, Australia NSW 2000 |
| Representative's name | Jessica Kwok |
| Representative's job title | Managing Consultant |
| Phone | (07) 3007 8405 |
| Email | jessica.kwok@erm.com |
| Address | Level 9, 260 Queen Street, Brisbane, QLD 4000 |

Check this box to indicate you have read the referral form. *

I would like to receive notifications and track the referral progress through the EPBC portal. *

By checking this box, I, **Jessica Kwok of ENVIRONMENTAL RESOURCES MANAGEMENT AUSTRALIA PTY LIMITED**, declare that to the best of my knowledge the information I have given on, or attached to this EPBC Act Referral is complete, current and correct. I understand that giving false or misleading information is a serious offence. *

I would like to receive notifications and track the referral progress through the EPBC portal. *

✔ Completed Person proposing to take the action's declaration

The Person proposing to take the action is the individual, business, government agency or trustee that will be responsible for the proposed action.

| | |
|----------------------|---|
| ABN/ACN | 27616856672 |
| Organisation name | ACEN AUSTRALIA PTY LTD |
| Organisation address | Suite 2, Level 2, 15 Castray Esplanade, Battery Point, Hobart, Tasmania, Australia 7004 |

| | |
|----------------------------|---|
| Representative's name | Tim Slack |
| Representative's job title | Development Manager - QLD |
| Phone | 0419 310 012 |
| Email | tim.slack@acenrenewables.com.au |
| Address | Office 20, Level 34, 1 Eagle Street, Brisbane, QLD 4000 |

Check this box to indicate you have read the referral form. *

I would like to receive notifications and track the referral progress through the EPBC portal. *

I, **Tim Slack of ACEN AUSTRALIA PTY LTD**, declare that to the best of my knowledge the information I have given on, or attached to the EPBC Act Referral is complete, current and correct. I understand that giving false or misleading information is a serious offence. I declare that I am not taking the action on behalf or for the benefit of any other person or entity. *

I would like to receive notifications and track the referral progress through the EPBC portal. *

Completed Proposed designated proponent's declaration

The Proposed designated proponent is the individual or organisation proposed to be responsible for meeting the requirements of the EPBC Act during the assessment process, if the Minister decides that this project is a controlled action.

Same as Person proposing to take the action information.

Check this box to indicate you have read the referral form. *

I would like to receive notifications and track the referral progress through the EPBC portal. *

I, **Tim Slack of ACEN AUSTRALIA PTY LTD**, the Proposed designated proponent, consent to the designation of myself as the Proposed designated proponent for the purposes of the action described in this EPBC Act Referral. *

I would like to receive notifications and track the referral progress through the EPBC portal. *

