

## Appendix G – Updated Mitigation Measures

This appendix provides a consolidated summary of the commitments made to manage, mitigate, and monitor impacts during the construction and operation of the Project as proposed within this EIS. A summary of the mitigation, management, and monitoring measures proposed for the Project is presented at Table 1.

**Table 1 Consolidated Summary of Proposed Environmental Management and Monitoring Measures**

| Impact                     | Mitigation Measures and Monitoring Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <b>Noise and Vibration</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| NV1                        | <p>A Construction Noise Management Plan (CNMP) will be included in the CEMP, and will including the following measures contained in the draft CNMP including:</p> <ul style="list-style-type: none"> <li>• Use quieter and less vibration emitting construction methods where feasible and reasonable.</li> <li>• Notifications to residences detailing work activities, dates and hours, impacts and mitigation measures, and contact telephone numbers for complaints.</li> <li>• Training would be provided to all personnel on noise and vibration requirements for the Project. Inductions and toolbox talks to be used to inform personnel of the location and sensitivity of surrounding receivers.</li> <li>• All plant and equipment must be maintained in a proper and efficient condition, operated in a proper and efficient manner, and feature standard noise amelioration measures where applicable.</li> <li>• Where practicable, tonal reversing alarms (beepers) would be replaced with non-tonal alarms (squawkers) on all equipment in use (subject to occupational health and safety requirements).</li> <li>• Where practicable, install purpose-built screening, i.e. the wall on the north and west boundary early in the construction phase to provide shielding for construction equipment that have the potential to impact nearby receivers</li> <li>• Where complaints are received, work practices would be investigated and reviewed. Where the investigation validates the complaint having regard to the relevant approval conditions a review of feasible and reasonable practices would be conducted and implemented where practicable to minimise any further impacts.</li> </ul> |
| NV2                        | <p>The following standard construction hours are proposed for the Project:</p> <ul style="list-style-type: none"> <li>• Monday to Friday - 7am to 6pm.</li> <li>• Saturday – 8am to 1pm.</li> <li>• Sunday and Public Holidays - No works to be undertaken.</li> <li>• No works are proposed to be undertaken outside of the standard construction hours. In the event this is required, out of hours (OOH) approval would be sought, and all works would be undertaken in accordance with the appropriate OOH protocols and</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |



| Impact              | Mitigation Measures and Monitoring Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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|                     | approval processes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| NV3                 | A 4m acoustic attenuation wall will be constructed in accordance with the Project plans, on the northern and eastern boundaries. The wall shall be of solid construction with no gaps and have a surface density of at least 15 kg/m <sup>2</sup> . The wall shall be lightweight aerated concrete, 75mm thickness ('Hebel' panel), is an example of a suitable material.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| NV4                 | <p>The BESS will implement the following design measures:</p> <ul style="list-style-type: none"> <li>Batteries- Oversized Heating, Ventilation, and Air Conditioning (HVAC) units requiring operation at lower fan speeds, and 1.5m long splitter silencers on the HVAC outlet.</li> <li>Inverters - Silencing kit developed by the manufacturer. This takes the form of lined ducts on both inlet and outlet.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                   |
| NV5                 | <p>Host receiver mitigation will be investigated, and may include:</p> <ul style="list-style-type: none"> <li>Upgrade façade elements, such as windows, doors or roof insulation to further increase the ability of the building façade to reduce internal noise levels.</li> <li>Providing mechanical ventilation/comfort condition systems to enable windows to be closed without compromising internal air quality/amenity</li> <li>Entering a suitable commercial agreement with the impacted receiver.</li> </ul>                                                                                                                                                                                                                                                                                                                      |
| <b>Biodiversity</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ECO1                | <p>A comprehensive Vegetation Management Plan and Wildlife Management Plan will be prepared prior to the commencement of any clearing or substantive site works. The following measures will be included:</p> <ul style="list-style-type: none"> <li>Design adjustments to retain hollow-bearing trees where possible.</li> <li>Use of protective barriers to minimize impacts on adjacent habitats.</li> <li>Active monitoring and response plans for pollution, invasive species, and other operational risks.</li> <li>Wildlife passage maintenance to ensuring connectivity corridors remain viable for species like the Squirrel Glider.</li> <li>Maintain riparian buffer zones to minimise soil erosion.</li> <li>Implement a comprehensive Environmental Management Plan (EMP) during construction and operation phases.</li> </ul> |
| ECO2                | <p>The Wildlife Management Plan will incorporate the recommendations of the BDAR, including:</p> <ul style="list-style-type: none"> <li>Limit clearing and construction during Squirrel Glider breeding season</li> <li>Instigating clearing protocols, including pre-clearing surveys, daily surveys and staged clearing, and using a trained ecologist or licensed wildlife handler during clearing events</li> <li>Relocating habitat features (e.g. fallen timber, hollow logs) from the development or clearing site, to adjacent retained vegetation</li> <li>Using light shields, or daily/seasonal timing of construction and operational activities to reduce impacts of light spill</li> </ul>                                                                                                                                    |



| Impact                     | Mitigation Measures and Monitoring Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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|                            | <ul style="list-style-type: none"> <li>Erecting temporary fencing to protect significant environmental features, such as riparian zones</li> <li>Training staff and conducting site briefings to communicate environmental features to be protected and measures to be implemented</li> <li>Providing for the ecological restoration, rehabilitation and/or ongoing maintenance of retained native vegetation habitat on, or adjacent to, the development or clearing site</li> <li>Using sediment barriers or sedimentation ponds to control the quality of water released from the site into the receiving environment</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| EC3                        | Consultation with DPI Fisheries regarding the retention and stockpiling of felled trees from within the development footprint, on the potential to repurpose as large woody debris to enhance aquatic habitat quality within Key Fish Habitat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Aboriginal Heritage</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ACH1                       | <p>A design methodology will be drafted in consultation with RAPs and will include/consider:</p> <ul style="list-style-type: none"> <li>The Jindera IF1 (AHIMS ID 55-6-0294) and PAD site to have fencing erected along the project boundary to demarcate the location of the artefact in close proximity to the project area;</li> <li>The PAD associated with Jindera IF1 (AHIMS ID 55-6-0294) to undergo archaeological investigation (i.e. archaeological testing) only within the parts of the landform designated for project impacts;</li> <li>Management of Jindera ST1 (AHIMS ID 55-6-0295) as part on an Aboriginal Cultural Heritage Management Plan (ACHMP) in consultation with RAPs, the expert advice of a professional arborist with experience in culturally modified trees, and the proponent to reduce the likelihood of the dead tree breaking and splitting;</li> <li>Fencing of Jindera ST1 (AHIMS ID 55-6-0295) to demarcate the location of the site during project works in consultation with RAPs and as advised by an appropriately qualified and experienced arborist;</li> <li>Cultural monitoring during initial ground disturbance works within Area 1, and initial underboring works in Area 3 and Area 4 (as identified by the ACHAR); and</li> <li>Development of a more detailed care and control strategy in consultation with RAPs to manage any artefacts in a manner acceptable to RAPs and enable the cultural value of the artefacts to be documented and partially conserved. Reburial may be an option as close as possible to the original location of salvaged objects back on Country.</li> </ul> |
| ACH2                       | All site workers and personnel involved in site impact works associated with the proposed work should be inducted and briefed on the identification of Aboriginal sites and objects during works and their responsibilities according to the provisions of the NPW Act 1974, in case any additional unknown objects or items are uncovered during proposed works. The induction and briefing material will incorporate the recommendations of the ACHAR, including consideration provided for RAP input and delivery of these inductions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ACH3                       | If Aboriginal objects (excluding human remains or sites such as grinding groove complexes/engravings, rock art) are detected during ground disturbance, NPWS unexpected finds procedures (NSW National Parks and Wildlife Service 2020: 17) will be observed. The unexpected finds procedures for the Project will be included in the Construction Environmental Management Plan (CEMP), and will also incorporate the recommendations of the ACHAR.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |



| Impact                    | Mitigation Measures and Monitoring Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Traffic and Access</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| TR1                       | <p>A construction traffic management plan (CTMP) will be developed in accordance with the recommendations of the TIA, prior to the substantial commencement of construction activities. The CTMP will outline measures including:</p> <ul style="list-style-type: none"> <li>• Construction traffic will use Lindner Road to enter/ exit Ortlipp Road. To ensure the impacts to motorists within the area are kept to a minimum, construction traffic will remain low.</li> <li>• Preparation and execution of Traffic Guidance Schemes (TGS). TGS plans will be implemented, managing the access and the general public's movement around construction activities. They should identify all reasonably foreseeable hazards, assess them, and manage them as best possible by eliminating or minimising the risks. The TGSs shall be monitored and updated accordingly throughout the project.</li> <li>• Management of transport from workforce accommodation, including the construction program, accommodation availability and the vehicle fleet that will be used.</li> <li>• Drivers Code of Conduct, consistent with the measures outlined in the TIA.</li> <li>• All vehicles are to park and load/ unload within the site using the designated parking and loading areas where possible. Vehicles are not parked or loading/ unloading within the public road reserve.</li> <li>• Temporary signage must be positioned at critical intersections to inform construction vehicle drivers and to warn the general public about the construction activities in the vicinity.</li> <li>• Residents of the area must be informed prior to the commencement of construction works.</li> <li>• Heavy vehicles should limit the use of engine or compression braking systems where possible and vehicles are to be turned off when not in use.</li> <li>• A risk assessment is intended to identify hazards and risks associated with construction activities.</li> <li>• Incident Management Protocol.</li> <li>• Reporting and monitoring of construction vehicle movements are to be undertaken to ensure that drivers are adhering to restricted times.</li> </ul> |
| TR2                       | <p>At the commencement of works, the TGS setup shall be inspected to confirm accuracy with the intended TGS, as well as to ensure locations of signage and devices are safe and do not cause hazards to traffic. This inspection shall be documented within a site register and repeated at the commencement of each week of the construction program.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| TR3                       | <p>A simple OSOM material transportation assessment (A Route Study) will be conducted for the one-off transportation of the transformer from the port of import to the development site, following the approval of the SSD application and the confirmation of the port of import and type/ quantity of the equipment. This report should consider all aspects of the preferred route in its entirety, such as bridge and tunnel clearances (from a vertical perspective) and carriageway widths, such as tight turns (from a horizontal perspective).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| TR4                       | <p>The section of Ortlipp Road from the driveway of Glenellen Solar Farm to the access location of the proposed Project be sealed (gravel) for approximately 1.5km, to accommodate the bi-directional movements of the anticipated construction vehicle fleet.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |



| Impact                              | Mitigation Measures and Monitoring Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| TR5                                 | Following the sealing of Linder Road and Ortlipp Road, it is recommended that the applicant confirm the status of B-Double approvals for Lindner Road and Ortlipp Road. If not already in place, an application should be made to NHVR to obtain approvals to operate B-Double design vehicles along these road segments.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| TR6                                 | Dilapidation surveys will be undertaken to assess the condition of all the road sections, along with intersections along the nominated transportation route, to identify changes prior to and following the proposed construction works.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| TR7                                 | Consultation with GHSC and TfNSW, requesting consideration of the installation of the following advisory signage: <ul style="list-style-type: none"> <li>• Southbound direction, north of the intersection: side road ahead, crest, trucks crossing or entering, advisory speed.</li> <li>• Northbound direction, south of the intersection: crest.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Landscape and Visual Amenity</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| VIS1                                | Where possible, recessive colours and non-reflective finishes will be used for enclosures. The acoustic wall along Ortlipp Road will have a recessive and low-reflective green finish applied to the outer surface.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| VIS2                                | A planted buffer of native vegetation will be established along the roadside edge of the wall. Plant species will be locally appropriate, selected for their height, form, and ability to provide effective year-round screening. The intent is to break up the wall's linear form and soften its visual impact from public vantage points.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| VIS3                                | AS/NZS 4282-2023 Control of the Obtrusive Effect of Outdoor Lighting sets out general principles that should be applied when designing outdoor light to minimise any adverse effect of the light installation. The following principles will be applied when designing the site lighting. <ul style="list-style-type: none"> <li>• Direct lights downward as much as possible.</li> <li>• Use luminaires that are aimed to minimise light spill, e.g. full cut off luminaires where no light is emitted above the horizontal plane.</li> <li>• Avoid wasted energy and increased light pollution from over-lighting.</li> <li>• Wherever possible use floodlights with asymmetric beams that permit the front glazing to be kept at or near parallel to the surface being lit.</li> <li>• Lighting should be aimed inward the middle of the site where possible and away from the site boundaries.</li> </ul> |
| <b>Hydrology</b>                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| FL1                                 | Any sensitive infrastructure such as inverters and battery storage etc, should be located on raised fill pads with 300 mm freeboard above the maximum of the 1% AEP flood level. It is common for this type of infrastructure to be housed within shipping containers or small sheds with relatively small footprints. Given the shallow depths across the site, raising these small fill pads is highly unlikely to result in any adverse impacts offsite.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| FL2                                 | The footings should be designed to withstand the flood velocities described which are mostly low (<1m/s) in the BESS Site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



| Impact | Mitigation Measures and Monitoring Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| FL3    | Mitigation measures in the form of swale/cut-off drains and culvert be installed to prevent off-site detriment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| FL4    | It is recommended that the best practice principles to stormwater and sediment control be incorporated into the design, construction and operation phases of the solar farm site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| FL5    | The CEMP shall include measures to ensure that construction works not restrict the movement of emergency vehicles on Ortlipp Road, with any scheduled roadworks and vehicle movement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| FL6    | Prepare an updated hydraulic model during detailed design to accurately investigate the impact of the project on flood behaviour and update the FRIAR accordingly.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| GRD1   | <p>CEMP and OEMP shall include measures to prevent chemical spills from reaching the groundwater system in the unlikely event of leakage. Mitigation measures include:</p> <ul style="list-style-type: none"> <li>• Regular maintenance and inspection of vehicles used during construction.</li> <li>• Self-bunded battery storage units.</li> <li>• Regular maintenance and inspection of battery storage units.</li> <li>• Development of site management plans that detail responses to leaks such as spill kits, removal and appropriate testing and disposal of impacted soils and options for installing groundwater monitoring bores in the case of a significant fire or unexpected leak.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| GRD2   | The OEMP will include measures for groundwater monitoring, which will occur should there be a major hazard event such as major fire where chemicals are used or unforeseen leak events from units despite containment measures designed into the units. Should a major hazard event occur groundwater monitoring wells are to be installed up- and down-gradient of the site to determine any groundwater impacts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| GRD3   | A detailed water supply design will be provided to Council prior to construction for approval.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ESD1   | <p>Construction works and decommissioning works are to be managed under an Erosion and Sediment Control Plan (ESCP). The ESCP should include the following measures:</p> <ul style="list-style-type: none"> <li>• Before construction begins, establish sediment control measures such as silt fences or sediment barriers around the perimeter of the site to prevent soil erosion and runoff. This should include along the south-eastern extent of the Site to capture sediment runoff before it discharges to the adjacent Crown Reserve.</li> <li>• Depending on the level of construction activities to be undertaken, the contractor should establish a centralised entry &amp; exit point with all-weather access to Ortlipp Road. This entry and exit point may potentially need to include a vehicle cleaning area to reduce the transport offsite of dust and other debris.</li> <li>• Manage soil and material stockpiles by covering them with tarps or other suitable materials to prevent erosion.</li> <li>• Install erosion control mats or blankets on exposed soil areas to stabilise the soil and promote vegetation growth.</li> </ul> |



| Impact        | Mitigation Measures and Monitoring Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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|               | <ul style="list-style-type: none"> <li>Implement stormwater management practices, such as constructing temporary drainage channels or swales, to direct runoff away from the construction site and prevent sediment from entering Kilnacroft Creek or other nearby waterways. During any intended excavation and establishment of the sub-base table drains or diversions should be established on the high side of the area. The intention is to divert overland runoff from these disturbed areas.</li> <li>Temporary facilities and compounds should be established in areas with a low erosion risk.</li> <li>Conduct regular inspections of erosion and sediment control measures to ensure they are functioning properly and make any necessary adjustments.</li> </ul>                                                                                                                                                                                                                                                                                                                         |
| <b>Social</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| SO1           | <p>The proponent will develop and execute a Community and Stakeholder Engagement Plan (CSEP) to ensure community members receive accurate, timely information throughout the construction phase. This strategy will encompass:</p> <ul style="list-style-type: none"> <li>Systems for notifying nearby communities, residents, visitors and road users about scheduled activities, their timing, possible effects, and mitigation strategies (including transport operations and activities generating significant noise).</li> <li>Methods for consultation with impacted stakeholders and residents regarding possible effects and management approaches.</li> <li>Systems for gathering and addressing project-related inquiries and concerns during construction, operational, and decommissioning phases, such as an online project portal with contact information.</li> <li>Ongoing and consistent reporting of performance measures, engagement summaries, project updates and outcome of impact mitigations on public platforms including project website and printed collateral.</li> </ul> |
| SO2           | <p>The proponent will establish educational resources and communication channels for community members seeking information about safety considerations related to battery energy storage system technologies.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| SO3           | <p>The proponent will coordinate with nearby temporary accommodation businesses to locate willing providers and assess tourism accommodation availability, working to coordinate non-local workforce accommodation needs (when necessary).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| SO4           | <p>To reduce potential negative impacts on local labour forces and enhance business and industry benefits, the project will:</p> <ul style="list-style-type: none"> <li>Prioritise local business inclusion in procurement strategies, including motivating contractors to utilise local products and services when feasible</li> <li>Evaluate various approaches to promote local service utilisation, such as establishing a directory of regional businesses and collaborating with business organisations and local government about regional capabilities and skill requirements to enhance readiness.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| SO5           | <p>Where Project works overlap with the Glenellen or Jindera Solar Farm works, the proponent will seek to consult with each relevant proponent to identify concurrent activities that may result in heightened negative impacts on stakeholders and plan accordingly to minimise impacts.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |



| Impact                  | Mitigation Measures and Monitoring Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <b>Waste Management</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| WM1                     | <p>Waste will be managed according to the provisions of the WMP including:</p> <ul style="list-style-type: none"> <li>• Identification of roles and responsibilities for waste management procedures. Any subcontractors engaged will have roles and responsibilities identified and the Project's waste management system clearly explained.</li> <li>• Methods for managing waste or wastewater including appropriate liquid storage equipment, spill containment kits.</li> <li>• Litter and waste management to mitigate emission of dust, litter, potentially offensive odours, and vermin resulting from improper storage and collection of solid residues and putrescible waste.</li> <li>• Wastewater would be transported by licenced contractors and disposed of at appropriately licensed wastewater treatment plants.</li> <li>• Decommissioning will be managed by a suitably qualified contractor or operator. End of life batteries will be delivered to a facility lawfully able to accept them.</li> </ul> |
| WM2                     | <p>The WMP will include monitoring and reporting, including:</p> <ul style="list-style-type: none"> <li>• Monitoring of the waste to ensure waste and recycling management arrangements and provisions for the Project are functional, practical and are maintained to the standard outlined in this development.</li> <li>• Recording of quantities of waste and recycling associated with disposal of waste and recycling, including dockets, receipts and other physical records will be recorded.</li> <li>• Measures to address any deficiencies identified, and methodology to review and update to maintain suitability.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                  |
| WM3                     | <p>All staff, including sub-contractors and labourers, employed during the site preparation and construction phases of the Project will undergo waste management induction training for the Project. Induction training will cover, as a minimum:</p> <ul style="list-style-type: none"> <li>• Legal obligations and targets.</li> <li>• Emergency response procedures on-site</li> <li>• Waste priorities and opportunities for reduction, reuse and recycling</li> <li>• Waste storage locations and separation of waste</li> <li>• Procedures for suspected contaminated and hazardous waste</li> <li>• Waste related signage</li> <li>• Site safety</li> <li>• The implications of poor waste management practices and</li> <li>• Responsibilities and reporting, including identification of personnel responsible for waste management and individual responsibilities.</li> </ul>                                                                                                                                    |
| WM4                     | <p>All materials delivered to the waste storage area or to the other stockpile areas will be inspected. Materials suspected to contain hazardous material will be isolated until they can be inspected and tested.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |



| Impact                 | Mitigation Measures and Monitoring Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Hazard and Risk</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| HRA1                   | <p>Electrical Shock and Arc Flash - An Engineering Operation and Maintenance Management Plan should be prepared for the facility to include all measures aimed at managing hazards and risks, including specific targeted measures detailed in the Project Emergency Response Plan:</p> <ul style="list-style-type: none"> <li>• Adequate warning signs throughout the facility, based on the level of danger posed by the relevant voltages and current involved, especially focussed on first responders in an emergency situation, e.g. firefighters attending the site, hazmat attendees, etc;</li> <li>• Instructions available to all authorised personnel (including firefighters, etc) regarding the level of personal protective clothing required to be worn, respiratory protection required, minimum evacuation zone distances, etc;</li> <li>• Instructions covering safe shut-down and isolation procedures for all equipment to be readily available for emergency service personnel as well as on-site staff;</li> <li>• Security fencing around individual equipment items as required (based on risk principles) and the entire site itself, properly maintained throughout the life of the Project, all with adequate hazard warning signs; and</li> <li>• A safety protocol for the site which prevents untrained individuals from inspecting, testing, or repairing any aspect of the facility's electrical equipment and systems.</li> </ul> |
| HRA2                   | <p>EMF - The design of the facility will be developed in accordance with (i) Energy Networks Association (ENA), "ENA Policy Statement on Electric and Magnetic Fields", adopted by the ESAA Board in 1991 and reconfirmed by the ENA EMF Committee, March 2006; and (ii) Nutall, K., Flanagan, P. and Melik, G., "Prudent Avoidance Guidelines for Power Frequency Magnetic Fields", 23rd Annual Conference of the Australasian Radiation Protection Society, 1998.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| HRA3                   | <p>The integrity of all Project site security fencing will be maintained through the lifetime of the Project to ensure adequate exposure separation for all members of the public.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| HRA4                   | <p>The following management plans will be prepared and included in the CEMP and OEMP:</p> <ul style="list-style-type: none"> <li>• Emergency Response Plan (ERP).</li> <li>• Water Management Plan (WMP).</li> <li>• Fire Safety Study (FSS).</li> <li>• Spill Management Plan (SMP).</li> <li>• Fire and Bushfire Management Plan (FBMP).</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Bushfire Risk</b>   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BF1                    | <p>Prior to the commencement of the BESS, APZs shall be implemented, consistent with the following:</p> <ul style="list-style-type: none"> <li>• 30m from nearest BESS Site equipment to the southeast (woodland).</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |



| Impact                  | Mitigation Measures and Monitoring Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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|                         | <ul style="list-style-type: none"> <li>20m from nearest BESS Site equipment to the other boundaries (grassland).</li> <li>30m for the transmission line easement and substation extension.</li> <li>The APZ will be maintained as either completely cleared land or a mown area with a grass height of less than 100mm.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BF2                     | Buildings and structures will adopt a BAL of -12.5, and use non-combustible materials, such as fire-resistant concrete and metal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BF3                     | The general principles and RFS-compliant design recommendations made in the BRAR will be apply to ensure that firefighting vehicles are provided with safe, all-weather access to the proposed BESS facility.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BF4                     | Provide reticulated water supply for the site, in conjunction with a static water supply (150kL tank).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BF5                     | The Acoustic barrier shall be made of non-combustible (ie fire-resistant) materials, in accordance with the recommendations of the BRAR.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BF6                     | The Bushfire Management Plan (BMP) for the facility (shall contain a provision preventing any other vegetation from taking hold within the proposed APZ zone around the site, thereby reducing the bushfire hazard risk and maintaining adequate access to firefighting personnel and equipment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BF7                     | <p>The BMP shall include ongoing implementation measures, as outlined in the BRAR including:</p> <ul style="list-style-type: none"> <li>Access and Egress for the public and for firefighters and their equipment;</li> <li>Adequate Water Supply for fire suppression;</li> <li>Landscape Management; and</li> <li>Emergency Response and Management – Preparedness and Planning</li> </ul>                                                                                                                                                                                                                                                                                                                                                                     |
| <b>European History</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| HER1                    | In the unlikely event of an unanticipated heritage object (relic) being identified during the construction of the BESS, all works must cease, and an appropriately qualified heritage consultant should be engaged to assess the find and provide management advice for the relic.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Soils &amp; Land</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| SL1                     | <p>A Soil and Water Management Plan (SWMP) is to be prepared in accordance with Managing Urban Stormwater – Soils and Construction Volume 1 (Landcom, 2004).</p> <p>The SWMP will be prepared as part of a Construction Environmental Management Plan (CEMP) to manage potential risks to soils, surface and ground water. The construction SWMP is to be prepared with reference to relevant development controls within the Greater Hume DCP. Recommended measures for the construction SWMP include but are not limited to:</p> <ul style="list-style-type: none"> <li>Measures to minimise and manage the potential for erosion and sediment transport within and from the site.</li> <li>Measures to manage accidental spills and waste storage.</li> </ul> |



| Impact | Mitigation Measures and Monitoring Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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|        | <ul style="list-style-type: none"> <li>Measures to manage stormwater and the potential for contaminated runoff from the development site.</li> <li>Measures to ensure that excavation activities and any stockpiling are managed to minimise the potential for downstream contamination.</li> <li>Measures to ensure that areas of exposed soil and the time in which they are exposed are minimised as far as practical.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| SL2    | The construction of the development shall be managed in compliance with measures specified within the construction SWMP to ensure impacts to water quality are appropriately managed. Measures shall be implemented to ensure that areas of exposed soil and the time in which they are exposed, are minimised as far as practical during construction.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| SL3    | <p>The construction SWMP shall include procedures to reduce and manage the risk of emergency events and the potential for wastes and spills to contaminate soils. Recommended measures to manage the potential for contaminated discharge include:</p> <ul style="list-style-type: none"> <li>The storage of all fuel chemicals and liquids in sealed bunded areas on level ground away from stormwater drainage lines and waterways</li> <li>Ensuring refuelling and maintenance activities are restricted to designated areas with appropriate bunding and spill capture controls</li> <li>Implementing controls as part of the construction SWMP that provide procedures to respond to emergencies and spills.</li> <li>Ensuring visual inspections of drainage lines and disturbed areas are undertaken during construction to assess any potential soil or surface water issues.</li> <li>The installation and maintenance of stormwater control measures including drainage networks that segregate stormwater runoff according to its contamination.</li> </ul> |
| SL4    | <p>As part of the CEMP for the Project, soil management measures should include:</p> <ul style="list-style-type: none"> <li>Assessment of topsoil depth prior to stripping to minimise mixing of topsoil and subsoil</li> <li>Topsoil and subsoil should be stripped and stockpiled separately for rehabilitation works following excavation</li> <li>Avoid stripping and stockpiling soil following heavy rain periods</li> <li>Avoid compaction of topsoil during stripping and stockpiling operations</li> <li>If required, amelioration of topsoil and/or subsoil during stripping in accordance with a soil scientist's recommendations.</li> <li>Prevent erosion of stockpiles using soil stabilising biopolymers, cover crops or other forms of stabilisation</li> <li>Test stockpiled soils to determine amelioration requirements prior to reinstatement.</li> </ul>                                                                                                                                                                                          |
| SL5    | <p>As part of the CEMP for the Project, soil compaction management measures should include:</p> <ul style="list-style-type: none"> <li>Development of controlled traffic practices for plant machinery movements</li> <li>Avoid excavation and plant machinery movements on wet soils following heavy rain periods</li> <li>Prevent long term storage of plant machinery on clay or wet soils</li> <li>Avoid long term exposure of subsoils which are more susceptible to compaction</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |



| Impact                   | Mitigation Measures and Monitoring Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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|                          | <ul style="list-style-type: none"> <li>Progressively stabilise and rehabilitate soil as soon as practically possible after excavation</li> <li>Ensure soil is replaced in correct subsoil/topsoil orders</li> <li>Ensure vegetative cover is re-established after soil rehabilitation</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| SL6                      | <p>As part of the CEMP and operation plan for the project, biosecurity measures should include:</p> <ul style="list-style-type: none"> <li>Implement a Come Clean, Go Clean policy (DPI NSW, 2024) for vehicles and machinery entering the site. Mud and plant material must be removed from vehicles and machinery prior to entering and leaving the site.</li> <li>Prevent the spread of plant and soil material on to and off site by checking clothes and boots prior to entering and leaving the site.</li> <li>Implement a weed management plan which involves regular monitoring, spraying and removal of weeds.</li> </ul>                                                                                                    |
| SL7                      | <p>During operation procedures shall be developed to reduce the potential contamination of soils, surface and ground water, resulting from wastes, spills and/or emergency incidents. Suggested measures to control the potential for contamination during operation include:</p> <ul style="list-style-type: none"> <li>The appropriate storage of equipment and hazardous substances during operation.</li> <li>Ensuring that plant and stormwater control measures are maintained to prevent contamination of soil.</li> <li>Preparation of appropriate procedures to response to emergency incidents, spills and leaks from the development site, including operational equipment</li> <li>and maintenance activities.</li> </ul> |
| SL8                      | <p>A decommissioning plan shall be developed which minimises the contamination of soils, surface and ground water, resulting from wastes, spills and/or emergency incidents. Suggested measures to control the potential for contamination during decommissioning including:</p> <ul style="list-style-type: none"> <li>A soil sampling plan to be undertaken prior to decommissioning to assess any risk of contamination.</li> <li>Preparation of procedures to minimise risk of contamination</li> </ul>                                                                                                                                                                                                                           |
| SL9                      | A Preliminary Site Investigation (at a minimum) will be undertaken following decommissioning and provided to Council                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Land Use Conflict</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| LUC1                     | <p>The following management plans will be prepared and will provide documented requirements for performance measures and monitoring during each stage of the project. Performance will also be monitored through the outcomes of consultation during all phases of the project. Monitoring community feedback and concerns are key to assessing the performance of management strategies: Construction Environmental Management Plan (CEMP).</p> <ul style="list-style-type: none"> <li>Operational Environmental Management Plan (OEMP).</li> <li>Decommissioning Management Plan (DMP).</li> <li>Any other management plan specified in the EIS or conditions of consent.</li> </ul>                                                |



| Impact                            | Mitigation Measures and Monitoring Requirements                                                                                                                                                                            |
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| <b>Air Quality – Construction</b> |                                                                                                                                                                                                                            |
| AQ1                               | Exposed surfaces will be minimised and effectively managed with dust and sediment suppression systems (including trucks) throughout construction to reduce the volume of potential dust emission sources.                  |
| AQ2                               | Staging of works will be undertaken to reduce area of exposed soil during bulk earthworks including trenching.                                                                                                             |
| AQ3                               | Activities that generate dust will be avoided or modified during high wind periods.                                                                                                                                        |
| AQ4                               | Construction plant and equipment will be maintained in good working condition to limit impacts on air quality, including being fitted with pollution reduction devices where practicable and switched off when not in use. |

