

Appendix D – Community Engagement Table

SSD-92494458 – Kamay Battery Energy Storage System

Feedback	Project Team Response	Reference in EIS
The Project		
Questions raised regarding the proposed battery size increase to 150MW (as opposed to 120MW cited during early consultation).	- Up to 150MW (stated within planning documentation) allows for an anticipated improvement in technology by the time this Project is being built. - It's a slight change and considers the amount of power that can be absorbed. - The storage capacity (2hrs) has not changed. - Ausgrid will not be expanding the site footprint. - There are no additional risks (safety, environment, community) associated with this change.	N/A
Questions were raised about the purpose of the diesel generator, including the likely need and impact.	- The proposed diesel generator is intended for emergency backup and commissioning support - not as a primary or regular power source. - Noise assessments have considered the generator as part of operational impacts, and outcomes are outlined in the Noise Impact Assessment.	N/A
Interest in the battery technology, specifically, in which OEM will be used. Questions were also raised on Ausgrid's decision-making criteria.	- Ausgrid has not elected a battery provider yet. - All assessments within the EIS consider the worst-case scenario to allow for contingency. - Once a provider is chosen, there is additional modelling that will need to be done to consider the chosen technology. - While there are many elements that contribute to the decision, noise is a key criterion.	N/A
Questions raised about Lithium Iron Phosphate, and why this is the preferred chemistry.	- Lithium Iron Phosphate is less flammable than Lithium NMC (Nickel Manganese Cobalt Oxide). - Older BESS technology used NMC chemistry as it has a higher energy density.	Section 2.5

Feedback	Project Team Response	Reference in EIS
Noise		
Questions raised about noise impacts and how they'll be managed for residents close by.	- The EIS includes detailed acoustic modelling, considering nearby residences, sound propagation, and atmospheric conditions. - Proposed noise mitigation measures include noise walls and reduced fan speeds to manage levels for residents. - Additional noise modelling will be undertaken once the Original Equipment Manufacturer (OEM) is selected. - Ongoing testing during construction and operation will ensure compliance. For more information on acoustic modelling, refer to the Noise and Vibration Impact Assessment submitted with the EIS.	Appendix L
Feedback received on the proposed location of noise walls, including question around the specific locations.	- The EIS outlines proposed noise wall locations based on acoustic modelling. - Based on the initial modelling available in the EIS, the proposed noise wall will likely wrap around the edges of the battery units. - The proposed location and design of the BESS consider land slope, existing structures, surrounding noise sources, and topography.	Appendix L
Lighting		
Questions regarding lighting, and whether residents will see this lighting at night.	- If some lighting is required for security purposes, it will be directed away from residents. - Refer to Lighting Report submitted as part of the EIS for more information.	Appendix S

Feedback	Project Team Response	Reference in EIS
Fire Risk		
Questions raised about fire risk and how it will be managed.	- Ausgrid is required to meet new standards for fire safety. - This includes cooling systems to prevent overheating and isolation systems to shut down and separate any affected unit, stopping fire from spreading. - The design includes safe spacing between units and on-site water. - It means that in the unlikely event a fire were to start within one unit, it will not spread to other units. - The testing that was completed to achieve these requirements, considered all types of extreme weather conditions (including high winds).	Appendix O Appendix N
Biodiversity		
Question about biodiversity, and how Ausgrid will ensure no impact to Towra Point Reserve and surrounding wetlands.	- Biodiversity impacts have been assessed as part of the EIS. The site (within the fenced boundary) has low ecological value - mostly concrete and introduced grasses and weeds - and forms part of the existing Kurnell Zone Substation. - Towra Point Nature Reserve nearby is internationally significant and has been considered in all assessments. - Indirect impacts like stormwater runoff will be managed through detailed construction and operational management plans if the Project is approved.	Appendix H
Other Impacts		
Concerns were raised about potential health impacts, and how this is assessed.	- Potential hazards and risks have been assessed within the Preliminary Hazard Analysis (PHA), including electromagnetic fields (EMF) and toxic plumes. - EMF levels from the BESS are very low - similar to everyday appliances - and well below international health guidelines. - Firewater containment systems will prevent contaminated water from entering nearby waterways.	Appendix N