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Dear Jessica

RE: Woodland Battery Energy Storage System (SSD-30526266) – Murrumbidgee Council Recommended Conditions

Murrumbidgee Council wishes to provide the following recommended Conditions of Consent that are intended to address and minimise matters and issues relevant to Council in relation to the Woodland Battery Energy Storage System (SSD-30526266) in Donald Ross Drive Darlington Point:

1. Voluntary Planning Agreement

The Applicant is to enter into a Voluntary Planning Agreement with Murrumbidgee Council for an agreed monetary contribution for the provision of Community Infrastructure as listed under Schedule 1 of the Murrumbidgee Council Section 7.12 Development Contributions Plan, prior to the issue of any Construction certificate.

2. Traffic Transport Access Mitigation/Management Measures

a) The Applicant is to construct a new entrance/exit from/onto Donald Ross Drive to Murrumbidgee Council requirements.
b) The Construction Traffic Management Plan to be submitted to and be approved by Murrumbidgee Council before any Construction Certificate is issued.
c) The dilapidation survey is to be undertaken, for the proposed Donald Ross Drive construction route prior to and after construction is complete, in conjunction and agreement with Murrumbidgee Council.

3. Hazards and Risks Management/Mitigation Measures

a) The risk management plan is to be prepared in accordance with the NSW Planning Hazardous Industry Planning Advisory Paper No. 2 - Fire Safety Study Guidelines and

to be submitted to and approved by Murrumbidgee Council prior to issue of any Construction Certificate.

4. <u>Waste Management/Mitigation Measures</u>

a) The Waste Management Plan to be submitted to and approved by Murrumbidgee Council prior to the issue of any Construction Certificate.

b) Murrumbidgee Council will not accept or permit any construction waste to be disposed of at any landfill or transfer station with the Murrumbidgee Council area.

5. <u>Bushfire Management/Mitigation Measures</u>

a) In addition to the requirements listed by the NSW Rural Fire Service – Planning For Bush Fire Protection 2019, the Bush Fire Emergency Management and Operations Plan must contain a Risk Report and Plan as set out by the NSW Planning hazardous Industry Planning Advisory Paper No. 2 - Fire Safety Study Guidelines that addresses the following:

- Identification of fire hazards and risks from the BESS containers.
- Details of tests conducted on the BESS and a summary of results.
- On-site and off-site consequence analysis of thermal runaway and possible fire scenarios within BESS containers:
    - Radiant heat flux from the BESS container to various distances (e.g. 3m - 10m).
    - The assumptions on which the radiant heat flux calculations are based, including weather conditions.
    - Site plan/excerpts that show radiant heat flux contours to site elements, including adjacent BESS containers, PCUs, fire water infrastructure.
    - Plume analysis for fumes/vapour clouds that show likely spread.
- Fire prevention and explosion strategies and measures to be implemented, including those within and external to the BESS.
- Analysis of the requirements for fire detection. Where installed fire safety systems are proposed (e.g. gas suppression), an analysis of the performance of the system.
- Where proposing to reduce the minimum fire water requirements for battery energy storage systems, a calculation of the fire water supply and demand must be provided.
- Measures for containment of contaminated firefighting water.
- First-aid fire protection equipment

b) At least two access points are to be provided into each section where battery energy storage systems are located. The number and location of vehicle access points must be determined in consultation with the NSW RFS.

c) For facilities with centralised battery energy storage systems where no reticulated water is available, the fire protection system must include at a minimum:

a) Where no reticulated water is available, a fire water supply in static storage tanks is to be provided in accordance with the following:

i. The fire water supply must be of a quantity no less than 288,000L or as per the provisions of AS 2419.1-2021: Fire hydrant installations, Table 2.2.5(D) for open yards flowing for a period of no less than four hours at 20L/s, whichever is the greater.

ii. The quantity of static fire water storage is to be calculated from the number of hydrants required to flow from AS 2419.1-2021: Fire hydrant installations, Table 2.2.5(D). (E.g., For battery installations with an aggregate area of over 27,000m , 4 (four) hydrant outlets are required to operate at 10L/s for four hours, which equates to a minimum static fire water supply of 576kL.)

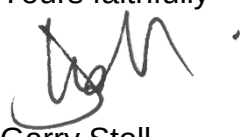
iii. Fire hydrants must be provided and located so that every part of the battery energy storage system is within reach of a 10m hose stream issuing from a nozzle at the end of a 60m length of hose connected to a fire hydrant outlet.

iv. The fire water supply must be located at vehicle entrances to the facility, at least 10m from any infrastructure (electrical substations, inverters, battery energy storage systems, buildings).

v. The fire water supply must be reasonably adjacent to the battery energy storage system and shall be accessible without undue danger in an emergency. (eg. Fire water tanks are to be located closer to the site entrance that the battery energy storage system).

vi. The fire water supply must comply with AS 2419.1-2021: Fire hydrant installations, Section 5: Water storage tanks.

Yours faithfully



Garry Stoll
Director Planning Community & Development