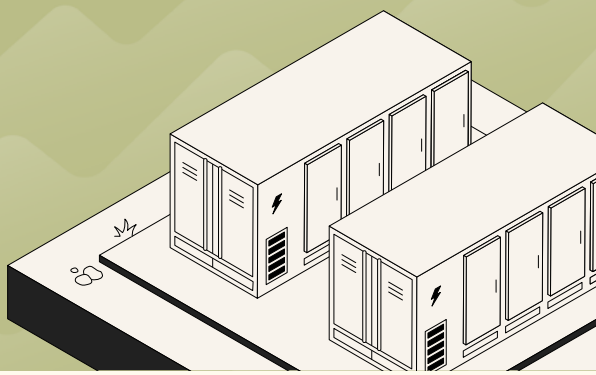
avenis energy

EIS FACT SHEET

Karangi Battery Energy Storage System



Avenis Energy is proposing to develop the Karangi Battery Energy Storage System (BESS), a utility-scale battery project approximately 11 km northwest of Coffs Harbour in Karangi, NSW, adjacent to the existing Coffs Harbour Transgrid 330 kV substation.

The Project is proposed to have an indicative capacity of 240 MW / 960 MWh, meaning it could store and dispatch electricity for up to four hours at full capacity. The Project would connect to the existing Transgrid 330 kV substation through new connection works, with the final connection design to be refined through assessment, consultation and detailed design.



Scoping Report & SEARs Now Available

The Karangi BESS Scoping Report has been lodged, and SEARs have been issued to guide preparation of the EIS. To view the report and SEARs, scan the QR code or visit www.planningportal.nsw.gov.au/major-projects/projects/karangi-battery-energy-storage-system.



Project Update

In early 2026, Avenis Energy began engaging with the community and stakeholders while preparing a Scoping Report to inform its development application. The Report was submitted to the NSW Department of Planning, Housing and Infrastructure (DPHI) in August 2026. On 28 August 2026, Avenis Energy received the Secretary's Environmental Assessment Requirements (SEARs), which set out the information required for the Environmental Impact Statement (EIS) now being prepared.

Avenis Energy plans to submit the EIS to DPHI early to mid-2027. After submission, the EIS will be publicly exhibited for feedback. Avenis Energy will then address community and stakeholder concerns via Response to Submissions Report, after which DPHI will decide whether or not to approve the project.

Environmental Impact Statement (EIS)

The EIS will assess the Project's potential environmental, social and economic impacts and identify measures to avoid, minimise or manage them.

Specialist assessments will consider matters including:

- Landscape character and visual impacts
- Noise and vibration
- Traffic and transport
- Biodiversity
- Aboriginal and historic heritage
- Water, flooding, erosion and sediment control
- Bushfire risk and battery safety
- Social and economic impacts
- Agriculture and land use
- Cumulative impacts with other developments.

Project Facts

The Project will ensure the ongoing supply of energy for residents, business owners and hospitals throughout the region. It will make a substantial contribution to the National Electricity Market and towards the government's target of zero emissions by 2050.

INDICATIVE CAPACITY
240 MW / 960 MWh

STORAGE DURATION
Up to 4 hours

PROJECT SITE
39.40 hectares*

PRELIMINARY DEVELOPMENT FOOTPRINT
25 hectares*

BESS FACILITY AREA
4 hectares*
within the Development Footprint

CONSTRUCTION TIMING
Indicatively early 2028*
subject to approval and other project requirements

CONSTRUCTION DURATION
18 months*

PEAK CONSTRUCTION WORKFORCE
Up to 100 workers

OPERATIONAL ROLES
4 ongoing full-time equivalent roles*

OPERATIONAL LIFE
Up to 35 years
subject to approvals and project requirements

* Indicative approximations

Community Feedback Survey

The community feedback survey is an opportunity to tell us about your views on the Project, any local issues or considerations we should be aware of, and the potential opportunities or benefits you would like us to consider. Scan the QR code or visit www.surveymonkey.com/r/DY79SLX.

Closes 4:00 pm AEDT on Friday 22 January 2027.

Why This Location?

Careful consideration is required when selecting a suitable site for a renewable energy project. A range of environmental, technical, social and land-use factors are considered, including:

- Proximity to existing electricity infrastructure
- Suitable land-use zoning
- Available capacity within the electricity transmission network
- Landowner agreement
- Suitable road access
- Proximity to an available workforce

Together, these factors informed Avenis Energy's selection of the proposed site for the Karangi BESS Project.

Benefits & Opportunities

If approved, the Project is expected to provide local and regional benefits, including construction employment, ongoing operational roles, procurement opportunities for local businesses and a proposed community benefit program.

During construction, there may be increased demand for local accommodation, hospitality, trades, plant hire, materials, transport, traffic management and other services. During operation, maintenance and support services may provide further opportunities for local suppliers.

The Project would also support the broader electricity system by storing electricity and dispatching it when needed, helping improve grid reliability and supporting the integration of renewable energy.

About Avenis Energy

Avenis Energy is dedicated to developing utility BESS projects and large-scale renewable energy projects that deliver clean, green energy into the transmission network, reducing reliance on fossil fuels and help minimise the impacts of climate change.

Avenis Energy prides itself on working closely with landowners, near neighbours, key stakeholders and the wider communities where our projects are proposed. The Avenis Energy team has significant experience in the industry across all elements of the development cycle, from site selection, planning and permitting to engineering, construction and operation. The team has been working together since 2018 and is entirely dedicated to the Australian market, with a proven track record of developing high-quality community sensitive projects.

QUESTIONS AND FEEDBACK

For more information, please visit our project website:
www.avenisenergy.com.au/projects/karangi

Or complete the feedback survey via the QR code.