

Brendale Renewable Energy Precinct



Supernode Data Centre and Battery at Brendale (<https://supernode.com.au/>)

Residents of the Northside may not be aware of the rapid development of the Brendale precinct as the new home of major infrastructure critical to both the transition to renewable energy and the uptake of Artificial Intelligence/AI.

Brendale is a critical node in the Queensland electricity transmission network, anchored by Powerlink Queensland's South Pine Substation. The area is undergoing a major energy transformation, hosting multi-billion-dollar hyperscale battery hubs and data centres designed to stabilize the grid and support renewable energy.

South Pine Substation serves as the central hub for Queensland's transmission network. It features multiple 275kV and 110kV connection points.

- **The Supernode Project:** developed by Quinbrook Infrastructure Partners, this is a pioneering integrated facility combining large-scale Battery Energy Storage Systems (BESS) and hyperscale data centres. It has three direct high-voltage connections into the South Pine grid hub.
- **Akaysha Energy BESS:** A \$200 million battery facility designed to enhance grid stability across Southeast Queensland, successfully connected to the South Pine network with design, installation, and cable bay expansions.
- **High-Voltage (EHV) Cable Installations:** Critical underground infrastructure (including 500m-long, 275kV lines) and dual 110kV HDD (Horizontal Directional Drilling) cables have been constructed to link these battery farms directly to the switchyard.

NCV's **Energy and Electrification Working Group** has commenced a project to identify ways of accelerating the uptake of solar and battery storage using the huge expanses of commercial and industrial roof-space in Brendale. We are exploring a number of key questions that we would like answered by both the City of Moreton Bay Council and State Government, including:

- What safeguards and conditions are being placed on the continued development of these major facilities?
- Has the Queensland Government required the developers to enter into binding agreements with the Council for the creation of a Community Benefit Scheme, as it requires for renewable energy projects elsewhere in Queensland?
- How much new renewable energy has been contracted to supply the existing and future data centres?

Other questions are expected to arise in the course of our investigations. If you have information or suggestions, or would like to get involved, please get in touch through our website at:

<https://www.ncvoices.org.au/energy-and-electrification-working-group/>