



Sucre australia solar power

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The Australia-Asia Power Link (AAPowerLink) is a proposed electricity infrastructure project that is planned to include the world's largest solar plant, the world's largest battery, and the world's longest submarine power cable.

Batteries at the solar array in Darwin and Singapore will provide load-balancing for continuous daily dispatch.

As of 2023, Singapore produces over 94% of its electricity from natural gas, but seeks to reduce its greenhouse gas emissions and diversify its energy imports. The AAPowerLink could provide about 15% of Singapore's electricity, reducing Singapore's emissions by up to 6 million tonnes per year.

In September 2021, it was announced that there would be further expansions to the proposed size of the project, from 10#160;GW to 20#160;GW capacity, and from 20#160;GWh to 36-42#160;GWh of battery storage, with a new estimated construction cost of \$30 billion. Forecasts suggest up to \$A2 billion in exports, 1750 jobs in construction, 350 operational jobs, and 12,000 indirect jobs will be created across Australia, Singapore and Indonesia over its 70 year operational life.

The project was initially called the Australia-Singapore Power Link, as the power line will initially connect those two countries. It was later renamed to Australia-ASEAN, and again to Australia-Asia, as it was also planned to bring electricity to Indonesia.

Sun Cable intended to secure all financing by late 2023, beginning construction the following year. It was expected to cost A\$30 billion (US\$22.6 billion). Initial investments came from billionaires Mike Cannon-Brookes and Andrew Forrest.

Undersea surveying of the Australian section of the (AAPL) cable route was completed in 2020 by Guardian Geomatics.

A project development agreement was signed between the NT Government and Sun Cable in January 2021, providing for commercial partnership.

Australia is the world's largest exporter of coal. The AAPowerLink, along with the proposed wind and solar Asian Renewable Energy Hub in the Pilbara, would make it a "green energy exporting superpower."

In January 2023, Sun Cable went into voluntary administration. The Financial Times reported



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that the administration was caused after lead investors Forrest and Cannon-Brooks "clashed... over the terms of a new funding round", itself necessitated "since the project started missing milestones".

Australia has approved plans for a massive solar and battery farm that would export energy to Singapore, a project it calls the "largest solar precinct in the world".

The project, which will include an array of panels, batteries and, eventually, a cable linking Australia with Singapore, is backed by tech billionaire and green activist Mike Cannon-Brookes.

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