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World-leading Asian Renewable Energy Hub

A globally significant renewable energy project located in Western Australia's Pilbara region

The project will harness the region's abundant wind and solar resources to supply competitively priced power to the Pilbara and produce green hydrogen and ammonia for export.

Competitively priced power in the Pilbara will provide economic development and diversification opportunities, including the potential to add value to existing resource commodity exports, which may include the

production of green steel, other metal and chemical products.

Environmental approval has been granted for the first stage of the Asian Renewable Energy Hub.

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Low-cost renewable energy for local and export markets

The Asian Renewable Energy Hub has the potential to create a wide range of benefits for stakeholders including:

- » Cheap, clean energy for the Pilbara
- » Suppliers who manufacture and assemble equipment for wind and solar generation and hydrogen equipment
- » Very high volumes of competitively priced, renewable energy, ideal for the large-scale production of green hydrogen for markets in Australia and overseas.



The project will harness Western Australia's abundant wind and solar resources. Photo credit: Western Power



The renewable energy generated will be used to produce significant volumes of green hydrogen and ammonia for export.

Hydrogen produced from renewable energy (renewable hydrogen) has significant potential for transport, industrial feedstock and clean energy.

Ultimately, the Asian Renewable Energy Hub will be the second largest power station in the world, behind the Three Gorges Dam in China.

With the world placing greater value on a low-emissions future, demand for clean energy sources is increasing.

The Asian Renewable Hub is one of several large-scale renewable energy projects that are under development in Western Australia with a focus on domestic and international customers.

An ancient land

Western Australia has many attributes that provide a strong competitive advantage in the growing global renewable hydrogen market, including world-class renewable energy resources, vast land mass, established energy infrastructure and a proud history of exporting energy to international markets.

Spanning more than 500,000 square kilometres in the north of Western Australia, the Pilbara region is large, dry and sparsely populated.

The region features world-renowned ancient landscapes and is known for its rich Indigenous culture, red earth and vast mineral deposits, particularly iron ore.