CLARA energy

Project Rosedale

CLARA Energy acknowledges the Wadjuri people, the Traditional Owners of the land on which Project Rosedale is planned to be developed.

PROJECT OVERVIEW

CLARA Energy is a renewable energy development company focused on decarbonising hard-to-abate industries.

We are proposing to develop Project Rosedale for the production of green hydrogen via machines called electrolysers. These machines would be powered by an onsite solar farm. The gaseous hydrogen produced by electrolysers would be converted to liquid hydrogen by a process known as liquefaction.The Project would produce 25,000 kilograms of green hydrogen every day, using the energy from 250 megawatts of solar power.

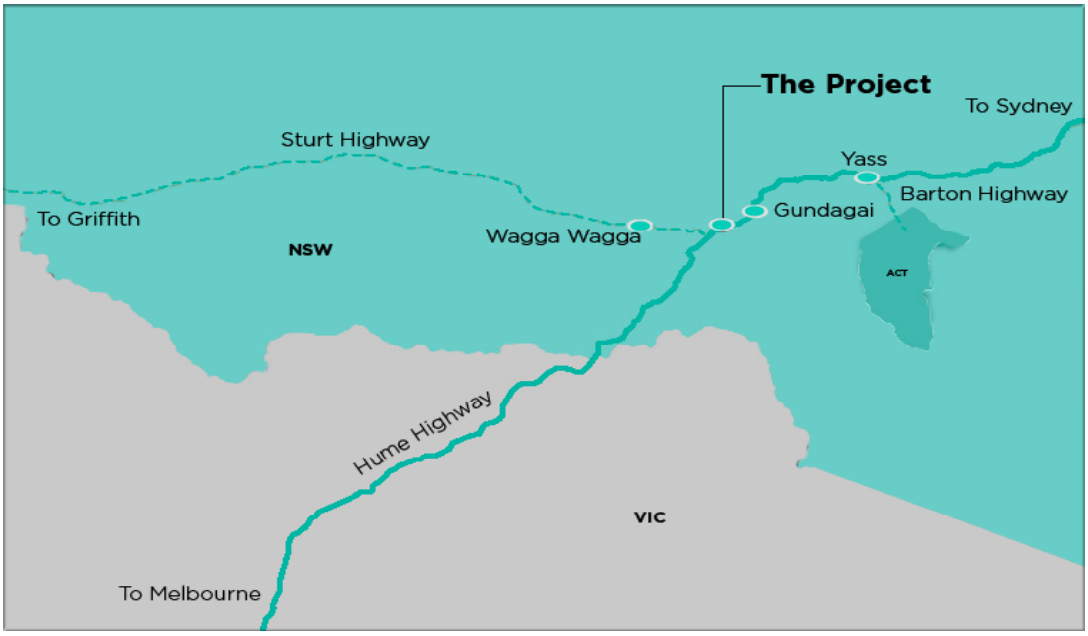
The Project would be located in Mundarlo, about 50 km east of Wagga Wagga. The Hume Highway passes through the Site and is one of Australia's major intercity national highways, linking Sydney and Melbourne. It is a major freight route and critical part of Australia's transportation infrastructure.

The Project would consist of the following key components:

- Solar electricity generation
- Water supply and treatment
- Supplementary power supply
- Electrolysers
- Liquefaction plant
- Hydrogen storage
- Wholesale distribution

Project Objectives

- Produce and supply green hydrogen for heavy haulage transport and other hard-to-abate sectors
- Minimise environmental, social and cultural impacts
- Reflect the values of the local Aboriginal and broader community
- Enable ongoing agriculture within the areas proposed for solar panels
- Make a meaningful contribution to NSW and Australian greenhouse gas emissions reduction targets
- Support the local and regional economy



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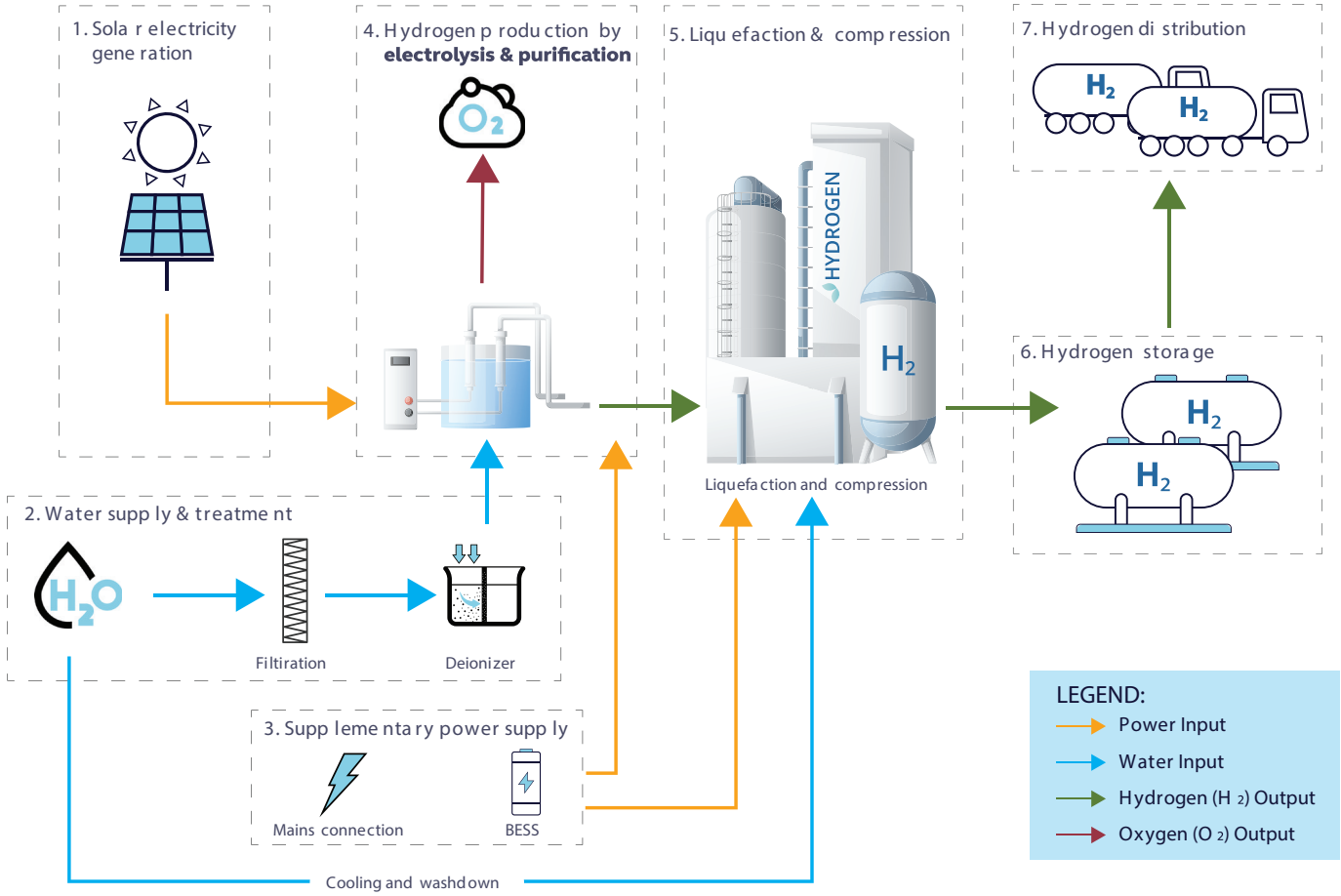

1 **Solar electricity generation:** Solar panels would produce up to 250 MW of electricity for the purposes of green hydrogen production

2 **Water supply and treatment:** Water treatment plant would be located onsite to treat water to a level suitable for hydrogen production

3 **Supplementary power supply:** Options including a battery energy storage system (BESS) and connection to the grid would be investigated for use when solar exposure is at its lowest

4 **Hydrogen production by electrolysis:** Electrolysers would be installed to produce up to 25 tpd of green hydrogen

5 **Liquefaction and compression of hydrogen:** A liquefaction plant would be installed on site for the liquefaction of green hydrogen

6 **Hydrogen storage:** Storage for up to 7 days production of green hydrogen

7 **Wholesale distribution:** Green Hydrogen would be distributed from the Project by tankers and trucks

CLARA Energy recognises the importance of green hydrogen for our net zero future

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