



H2REFUEL

HERE FOR THE LONG HAUL

Community Newsletter No.1

June 2023

Key Points



**Renewable Hydrogen
for Mobility**



**Winton H2REFUEL
located near the Hume
Highway**



**Designed to
accommodate the
equivalent of 50 to 150
heavy vehicles per day**



**Potential to displace
approx. 20,000-60,000
tonnes of CO₂ per
annum**



**Approx. 55MW DC
co-located solar farm**



**Regional opportunities
for construction &
maintenance jobs**

Welcome to the first Community Newsletter for the Winton H2REFUEL Project

ABOUT THE PROJECT

Lochard Energy's Winton H2REFUEL Project is the development of a large-scale, renewable hydrogen production and refueling station, located near the shoulder of the Hume Highway just north of Winton, Victoria. The Project's renewable hydrogen is intended to primarily displace the use of diesel as a fuel source.

Winton H2REFUEL's strategic location could enable the emergence of zero emissions trucking on and around the Hume Highway. This Project could independently serve some of Australia's busiest freight corridors including the Melbourne to Wagga, Albury and Tarcutta routes.

The Project could also provide bulk hydrogen to other retail outlets and help create a network of clean refueling options.



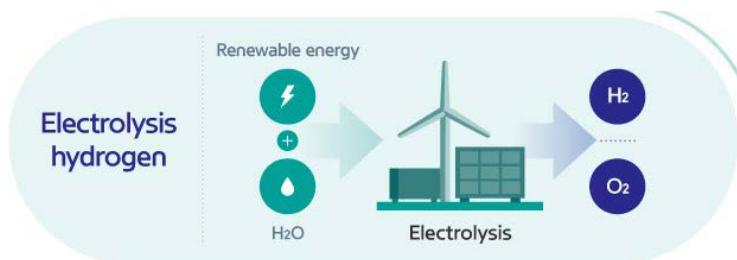
DECARBONISING THE TRANSPORT SECTOR

Winton H2REFUEL is currently under development and its intended solar farm and co-located hydrogen production and refueling station is being designed to accommodate the equivalent of 50 to 150 fuel-cell heavy vehicles per day. This has the potential to displace up to 24 million litres of diesel per annum, consequently abating approximately 65,000 tonnes of CO₂ emissions each year.

WHAT IS RENEWABLE HYDROGEN?

The renewable hydrogen made at Winton H2REFUEL would be produced via the well-proven process of electrolysis, using electricity from certified renewable energy sources (such as wind or solar) and a sustainable water source. The renewable electricity splits the water molecule inside of the electrolyser into its constituent hydrogen and oxygen components. The hydrogen can later be put to work and used as energy.

It is intended that the renewable energy required for Winton H2REFUEL will come from a combination of a behind the meter (BTM) solar farm and the balance will be sourced via the National Electricity Market (NEM) with volume matched Green Certificates. Because the primary energy used during production is sourced from renewables, the hydrogen can be considered a nearly zero emissions fuel.



Process of renewable hydrogen production

COMMUNITY CONSULTATION

The Project is currently in the 'Planning' stage and community engagement will help inform final design and operational plans. Draft plans for the Project will go on public exhibition in the next few months, during which time community members can provide feedback to the relevant planning authority.

We will also be hosting Information Drop-In Sessions during the public exhibition phase which will give the public the opportunity to meet the Project Team, ask questions and provide feedback.

ABOUT LOCHARD ENERGY

The proposed Winton H2REFUEL project is being developed by Lochard Energy.

Lochard Energy are trusted infrastructure specialists that develop, own and operate energy infrastructure, which help facilitate a smoother and more rapid transition toward a lower carbon emitting economy.

We are committed to operational excellence, an outstanding safety culture and being a dependable member of the communities in which we operate.

For updates & to find out more, please head to our website at www.lochardenergy.com.au/h2refuel/



Artist impression of Winton H2REFUEL