

27 June 2023

ReNu Energy Update Presentation

ReNu Energy Limited (**ReNu Energy**) (**ASX:RNE**) advises that it will be hosting its update webinar, including a Q&A session, **today at 12pm AEST**.

Attached is the update presentation that ReNu Energy will be speaking to at today's webinar.

Register in advance for the webinar at:

<https://event.webinarjam.com/register/273/9pyowa3m>.

Details about the webinar and how to submit questions for the live Q&A session will be sent following registration.

This market announcement has been authorised for release to the ASX by the Executive Chairman and CEO. For more information please contact:

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About ReNu Energy (<https://renuenergy.com.au/>)

ReNu Energy's purpose is to strategically drive the transition to a low carbon future. It does this by investing in renewable and clean energy technologies and identifying and developing hydrogen projects to create stakeholder value, enabling the transformation to a low carbon future through collaboration and innovation. ReNu Energy's vision is to be a leader in the renewable and clean energy sector in Australia striving for a sustainable future, producing hydrogen for domestic use and with a portfolio of domestic and international projects.

About Countrywide Hydrogen (<https://countrywidehydrogen.com/>)

ReNu Energy subsidiary, Countrywide Hydrogen originates and develops green hydrogen projects with a view to developing them in collaboration with project partners and governments, initially targeting domestic market demand and where viable, expanding the projects to meet future export demand. Countrywide Hydrogen's business model is to retain equity in each project as it moves through development, into production and revenue generation.



Update Webinar

Tasmanian Green Hydrogen Projects – June 2023

conscious sustainable investments

Disclaimer

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This presentation may contain forward looking statements including statements regarding our intent, belief or current expectations with respect to ReNu Energy's businesses and operations, market conditions, results of operation and financial condition, capital adequacy, specific provisions and risk management practices. Readers are cautioned not to place undue reliance on these forward looking statements. ReNu Energy does not undertake any obligation to publicly release the result of any revisions to these forward looking statements to reflect events or circumstances after the date hereof to reflect the occurrence of unanticipated events. While due care has been used in the preparation of forecast information, actual results may vary in a materially positive or negative manner. Forecasts and hypothetical examples are subject to uncertainty.

All references to \$ are references to Australian dollars unless otherwise specifically marked



Executive Summary

Countrywide Hydrogen and its Project Partners are developing a Project that will launch the domestic hydrogen industry in Tasmania and Australia. The Project consists of two synergistic project parts and **will unlock two offtake pathways**.

Part A: Hydrogen Production and Storage

Develop infrastructure at strategically positioned sites that will allow for the production and storage of green hydrogen utilising electrolyzers for blending into the retail gas network and 100% into a dedicated industrial network.

Part B: Hydrogen Refuelling Stations (HRS) and Heavy Vehicle Fleet

Develop HRS to power road transport and local government waste collection trucks, along with other heavy vehicles, with the aim to have at least 10 hydrogen fuel cell freight trucks operating locally from early 2025.

The locations of the Project will span across **three strategic sites** to provide maximum utilisation potential across Tasmania.

- Site 1: Launceston (Western Junction)
- Site 2: Hobart (Brighton)
- Site 3: Burnie (Heybridge)



Why this Project?



A significant boost to the growth and creation of a green hydrogen industry in Tasmania



A smoother transition to green energy and quantifiable abatement of emissions



Unparalleled cooperation with diverse stakeholders and academia with tangible result



A unique pathway to commercialisation through a multi offtake ecosystem



The creation of a model and knowledge which can be replicated across the mainland

Tasmanian Landscape

Tasmania has significant potential in the hydrogen industry

Australia's National Hydrogen Strategy was published in 2019. The Strategy established a vision of an Australian hydrogen industry which is innovative, safe, clean and competitive and explored Australia's clean hydrogen potential.

The Strategy highlights **Tasmania's unique potential** in the renewable hydrogen industry, which is in line with the Tasmanian Government's vision for the state to be a significant supplier of renewable hydrogen.



World-class renewable energy sources that will complement its hydrogen production goals



100% renewable electricity generation



Significant potential for further renewable energy development



Access to highly skilled and innovative workforce

Tasmania is yet to fully tap into its potential as most of the hydrogen-related projects are still in the development stage. The Project has the potential to serve as a catalyst for advancing the industry. Furthermore, there are no initiatives in place aimed at establishing a state-wide ecosystem that caters to multiple users.

Green Initiatives in Tasmania

Several programs and initiatives have started across Tasmania to harness its potential in the clean energy, renewables and green hydrogen industry.

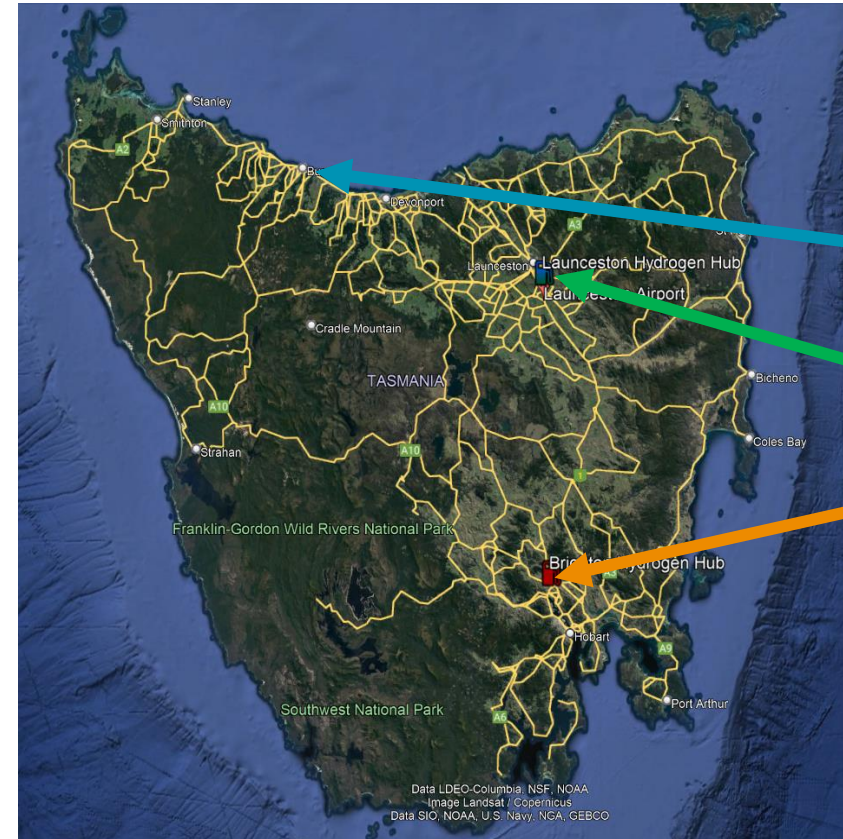
- Tasmanian Renewable Hydrogen Action Plan
- Tasmanian Renewable Energy Action Plan
- Bell Bay Advanced Manufacturing Zone
- Tasmanian Renewable Hydrogen Industry Development Funding Program
- Hydrogen International Engagement and Export Strategy
- Renewable Energy Zones
- Tasmanian Green Hydrogen Hub

Investment Case for Green Hydrogen

- The time is right to tap into hydrogen's potential to play a key role in a clean energy future
 - Green hydrogen is currently enjoying unprecedented political and business momentum globally
- Hydrogen can help tackle various critical energy challenges
 - It offers ways to decarbonise a range of sectors – including long-haul transport and natural gas networks – where it is proving difficult to meaningfully reduce emissions
- Hydrogen is versatile
 - Technologies already available today enable hydrogen to be transformed into electricity to power homes and feed industry replacing natural gas, and into fuels for cars, trucks, trains, ships and planes
- Hydrogen can enable renewables to provide an even greater contribution
 - Hydrogen is one of the leading options for storing energy from renewables and looks promising to be a low-cost option for storing electricity over days, weeks, months or longer
- There have been false starts for hydrogen in the past – now is its hour
 - The recent successes of solar PV, wind, batteries and electric vehicles have shown that policy and technology innovation have the power to build global clean energy industries

Strategy

- Develop strategically located, commercial scale green hydrogen production sites
- These sites will uniquely support the transition to zero emission transport and the replacement of natural gas for industrial and domestic use
- Existing partnering and term sheets with Tas Gas Networks and Tas Gas Retail and major heavy transport operators
- Refuelling network location designed to provide state-wide access across major transport routes
- Capitalise on the growing momentum among road transport users (such as supermarkets) to reduce emissions from road transport



Burnie
(Heybridge)

Western Junction
(Launceston Airport)

Hobart (Brighton)

Project Benefits

The Projects combined provide “several firsts” in Tasmania:

1st

Green hydrogen production at scale

Natural gas decarbonisation

Industrial customers operating on 100% green hydrogen

Distributed hydrogen production and refuelling network

Hydrogen based circular economy project

Hydrogen project with external offtakes

Emission free road transport offering

Other project benefits



- Delivering on the vision of the State Government's Tasmanian Renewable Hydrogen Action Plan
- Responsible use of the state's renewable resources blended with behind the meter power generation
- Showcase Tasmania as a leader nationally and globally in renewable hydrogen production and use
- Ability to quantify emission reductions from transition to hydrogen delivery
- Access to Government funding support

Project Scope



These Project Parts work together and cover Tasmania

Site 1 - Launceston Airport:
Proximity to rail and road transport network and TRANSLink a Commercial and Industrial development with Federal funding.

Installation of an
(initial) 5MW
electrolyser & HRS

Usage: Fuel for road transport, logistics and rail

Potential future blending into Launceston distribution network

Site 2 - Brighton Transport Hub
Servicing the southern end of Tasmania. Proximity to major rail and road transport, gas network and industrial park.

Installation of an
(initial) 5MW
electrolyser & HRS

Usage: Fuel for road transport, logistics and rail

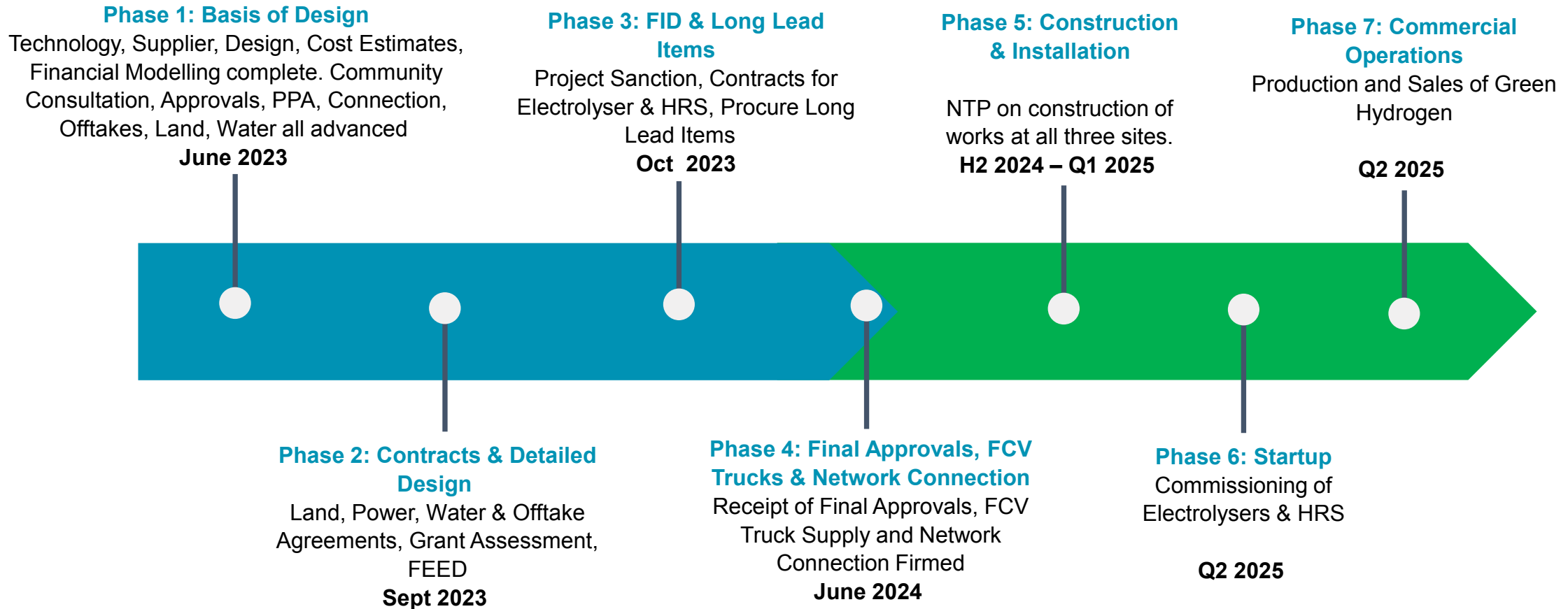
Blending into Hobart distribution network for local commerce and industry

Proposed Site 3 - Burnie (Heybridge)
Near existing freight quarantine facility and within rail network proximity.

Installation of an
HRS

Usage: Fuel for road transport, logistics and rail

Timeline



HESTA Platform Agreement

- Provides the framework for the establishment of Asset Vehicles to acquire ReNu Energy's Green Hydrogen Projects
- Where HESTA decides to coinvest the parties will jointly own the Asset Vehicles with ReNu Energy responsible for the development and operation of the Green Hydrogen Projects acquired
- Platform Agreement converts Term Sheet previously announced into definitive agreement for co-investment with no cap on investment amount.
- Tasmanian Green Hydrogen Projects the first target for ReNu Energy to present to HESTA for co-investment during 2023

Investee Companies Update

- Portfolio of investments in Australian renewable and clean energy ingenuity now at 5
- Vaulta \$1m investment gains exposure to technology solution needed to reduce the creation of battery waste – battery casing tech with no-weld design and modules that can be easily assembled and disassembled, cells replaced, reused and recycled
- Enosi and Allegro awarded grant funding of \$1.0m and \$500,000 respectively to progress their clean energy solutions. Enosi one of two winners in Plenitude's Call for Innovation Award
- Enosi funds to fast-track UK and European expansion as regulators look to require time and location matching of renewable energy supply
- Allegro Co-founder and CEO, Thomas Nann, included in The Australian's list of 100 Green Power Players
- Allegro close to finalising agreement with an Australian gentailer (integrated electricity generator and retailer) for development of long duration RFB storage at pilot and grid scale

Q&A

Thank you

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