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VICTORIA
State
Government



VICTORIAN RENEWABLE HYDROGEN INDUSTRY DEVELOPMENT PLAN

Renewable hydrogen offers enormous potential as a clean and reliable alternative to natural gas, transport fuels and industrial feedstocks. It could fuel the next phase of the global transition to clean energy. Victoria is well-placed to develop a thriving hydrogen economy.

The Victorian Renewable Hydrogen Industry Development Plan sets out a blueprint for how the Victorian Government will drive the development of the thriving renewable hydrogen economy in the State, laying the pathways that will:

- Create long-term jobs through new career pathways and skills clusters
- Enable the export of renewable energy
- Drive innovation
- Build our skills and capacity in renewable hydrogen
- Reduce greenhouse gas emissions across our industrial, energy and transport sectors



Our hydrogen edge

Victoria has distinct advantages that could be leveraged to develop a globally competitive edge in the development and use of renewable hydrogen

Find out more and download the full plan

energy.vic.gov.au

A new renewable hydrogen sector



The Victorian Renewable Hydrogen Industry Development Plan takes a principles-based approach to establishing a new renewable hydrogen sector.

The plan identifies our vision to establish and scale the sector to achieve a thriving renewable hydrogen economy.

We are creating the foundations, connecting the economy and leading the way to a renewable hydrogen economy in Victoria.

By capitalising on Victoria's advantages we can deliver a well-connected hydrogen ecosystem with strong sector coupling links.

Renewable energy sources

Well-resourced with abundant renewable energy and enabling infrastructure

Extensive gas network

Victoria has the most extensive gas mains network in Australia

Connected transport network

Multi-modal transport with major road and rail freight routes

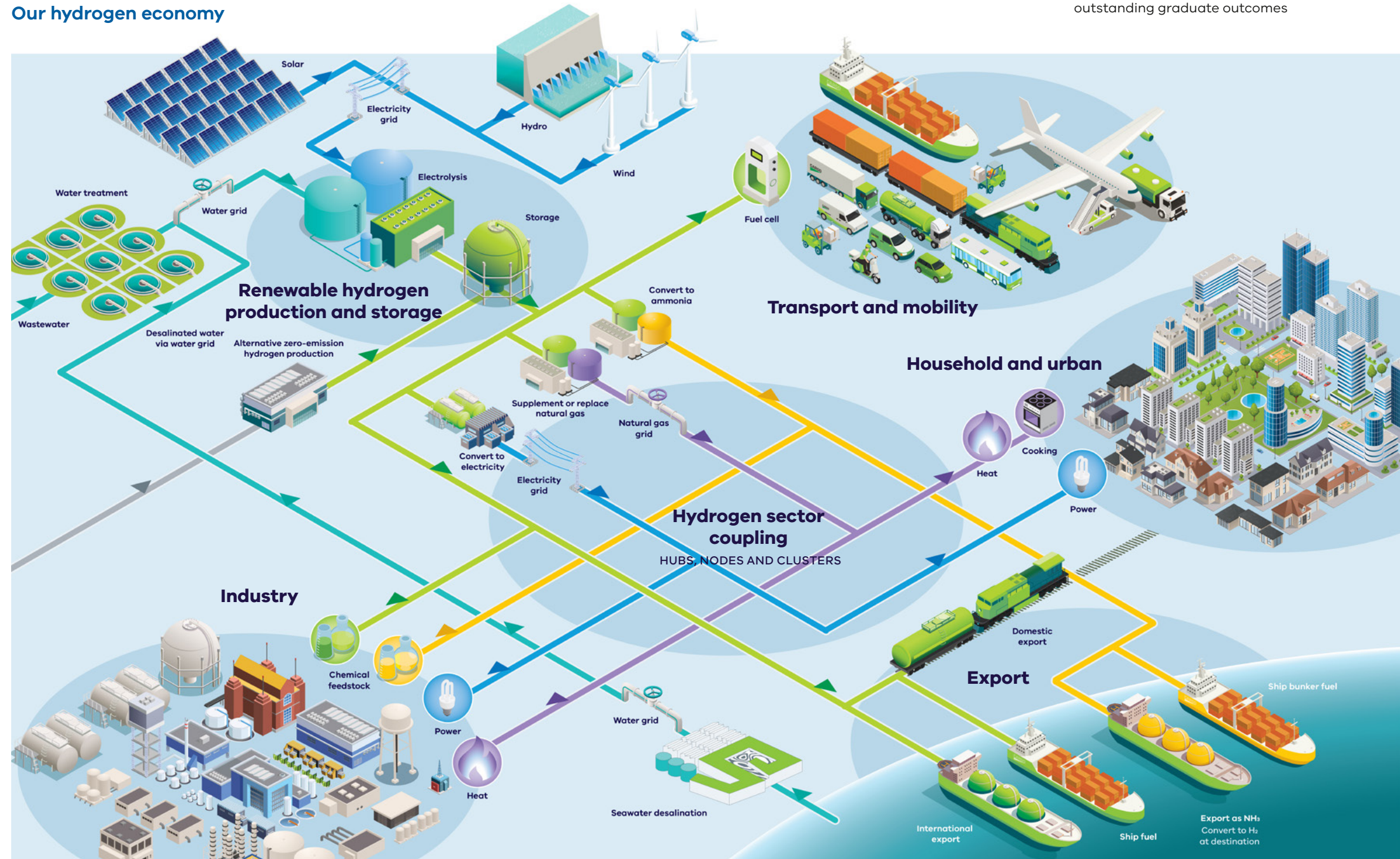
Export-ready infrastructure

Ready access to multiple deepwater ports across Victoria's coast

Skilled workforce and world-class education institutions

Region-leading capabilities and experience in gas systems with state-of-the-art education institutions, internationally engaged academic staff, world-leading research infrastructure and outstanding graduate outcomes

Our hydrogen economy



Establishing renewable hydrogen hubs and nodes

Scaling and sector coupling

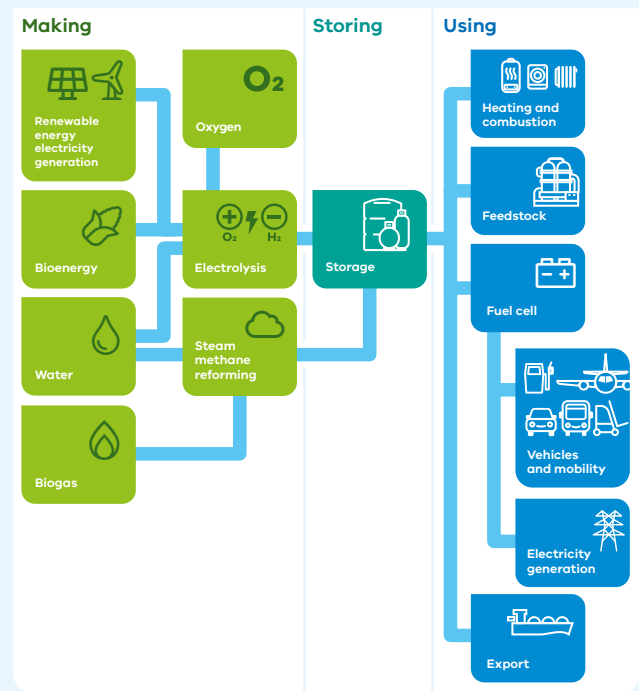
Hydrogen economy

What is renewable hydrogen?

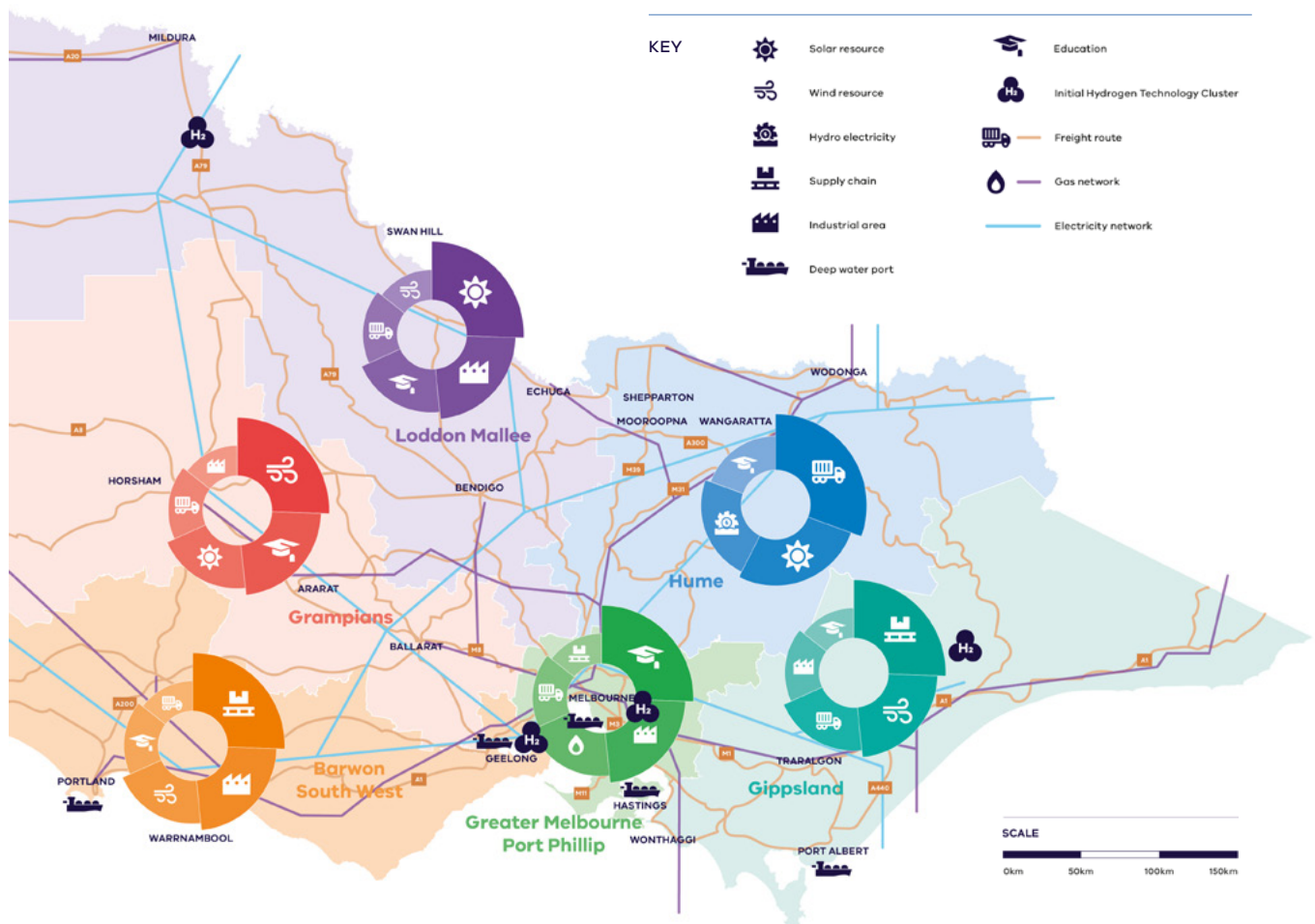
Hydrogen is a simple molecule which can be used as an energy source or an energy carrier with many applications.

Renewable hydrogen can be produced in several ways. A common method of producing renewable hydrogen is electrolysis. Electrolysis uses electricity to split water into hydrogen and oxygen molecules, using an electrolyser.

When renewable energy is used for electrolysis, the hydrogen produced is known as renewable hydrogen. Other ways to produce renewable hydrogen include using biomethane and bioenergy.



Victoria has all the right elements for establishing a renewable hydrogen economy



Find out more and download the full plan

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