



Victoria's Renewable Hydrogen Industry Development Plan

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Environment,
Land, Water
and Planning

VICTORIA'S HYDROGEN EDGE



Our hydrogen edge

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

MINISTER'S FOREWORD

The Hon. Lily D'Ambrosio MP
 Minister for Energy, Environment and Climate Change
 Minister for Solar Homes



Working together across Victoria, we can accelerate decarbonisation, promote economic recovery and establish a thriving renewable hydrogen industry.

A renewable hydrogen economy can activate options for decarbonising our gas, freight, transport and industrial sectors, supporting more renewable energy in our electricity system, and taking our renewable energy to the rest of the world.

Up to 7,600 jobs are forecast to be generated nationally through emerging hydrogen opportunities, and hydrogen could add around \$11 billion each year to the national economy by 2050.¹ Victoria needs clear policies to ensure we can capitalise on this economic opportunity.

The Victorian Renewable Hydrogen Industry Development Plan sets out a blueprint for how the Victorian Government supports the growth of this emerging high potential sector.

We have a vision for renewable hydrogen to be a part of our economy and the transition to a net zero emission future

The emergence of a renewable hydrogen industry is ideally timed. Renewable hydrogen could play a critical role in reshaping Victoria's economy as it rebuilds following the COVID-19 pandemic.

The Victorian Government is fast-tracking the next generation of renewable energy, with \$108 million to unlock the next wave of cleaner, more reliable power, which could create thousands of jobs. As part of this fund the Victorian Government has committed \$10 million to accelerate Victoria's hydrogen industry. Victoria is also leading significant research through the Australian Hydrogen Centre (AHC); working with National Energy Resources Australia (NERA) to support the development of Regional Hydrogen Technology Clusters and partnering with hydrogen leaders across the sector.

Renewable hydrogen technology could also position Victoria to capitalise on our vast energy resources, provide low cost energy options in the long term and create opportunities for new jobs and economic growth. Much of this work is already underway. The Renewable Hydrogen Industry Development Plan focuses and aligns current work, while highlighting new areas of opportunity to ensure Victoria can nurture this emerging sector. This plan complements significant investments and the Victorian Government's commitment to the Latrobe Valley Hydrogen Energy Supply Chain (HESC) and CarbonNet projects. However, this Plan is focused on opportunities in renewable hydrogen.

This Plan articulates our understanding of the benefits and opportunities for Victoria and how we can leverage our advantages to activate market opportunities. We have based our approach for establishing a hydrogen economy around clear focus areas coupled with well-designed outcomes that outline our way forward.

This Plan complements the National Hydrogen Strategy while taking into account Victoria's ambitious renewable energy and emissions reductions targets. We are establishing the foundation for growing a renewable hydrogen economy in Victoria, connecting demand with use, and demonstrating leadership through our actions. This is a call to action – we have a vision for renewable hydrogen to be a part of our economy and the transition to a net zero emission future.

THE VICTORIAN RENEWABLE HYDROGEN INDUSTRY DEVELOPMENT PLAN

Creating new jobs and industries

Building Victoria's skills and capabilities

Driving innovation

Reducing emissions



OUR REGIONS ARE CENTRAL TO GROWTH

1.



Establish hydrogen hubs, nodes, clusters, pilots and demonstrations

2.

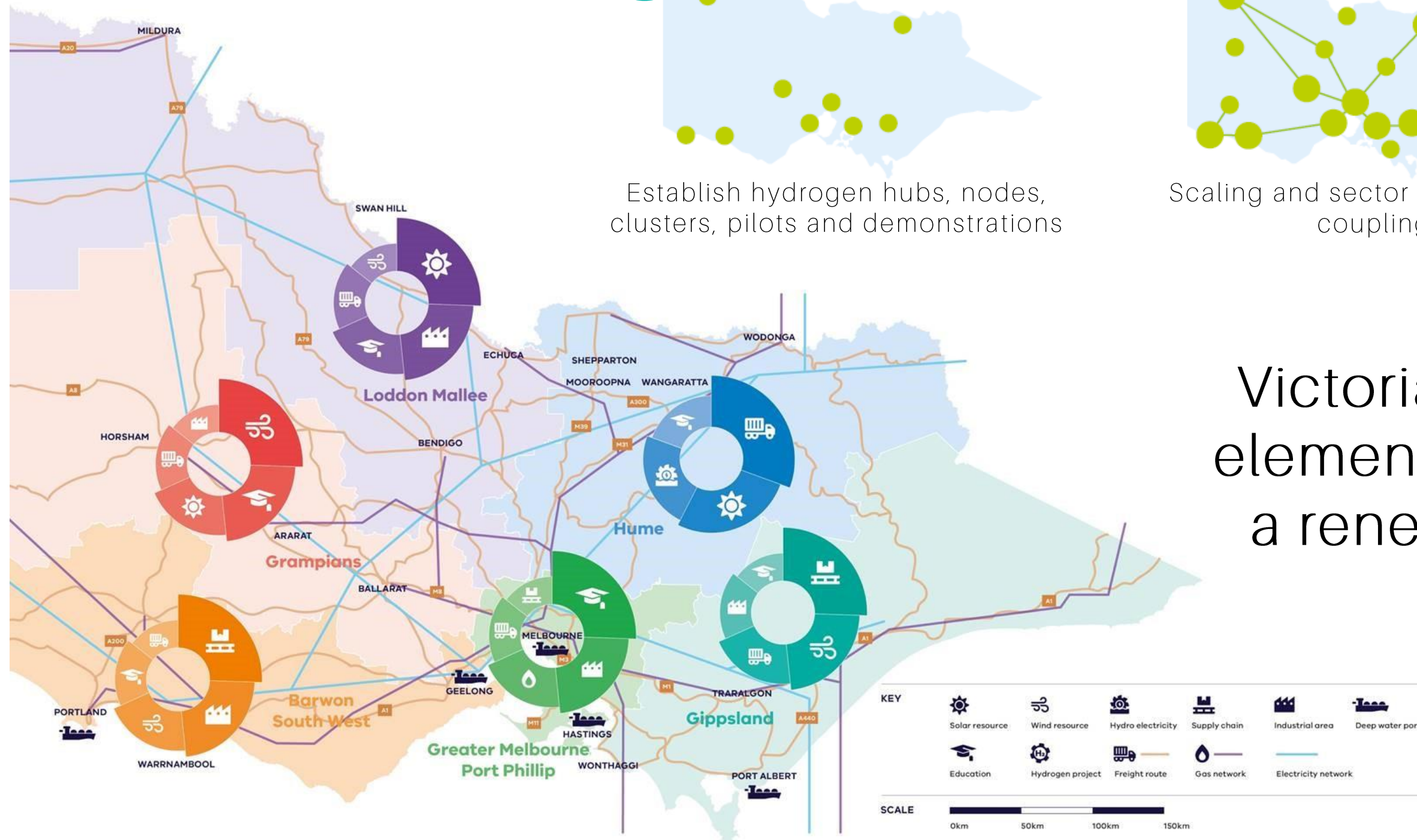


Scaling and sector and regional coupling

3.



Functional hydrogen economy



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

HEADLINE INITIATIVES

An unprecedented **\$1.6 billion** Victorian Government energy budget package to **power Victoria's economic recovery** and the state's progress towards a **clean energy future**, including **substantial investment in renewable hydrogen**.

\$6.2m
Victorian
Renewable
Hydrogen
Investment
Program

\$90m Energy
Innovation
Initiative

\$1.0m
Hydrogen for
Industrial
Users

Establish new
industry
partnerships
and
memberships

Support
universities to
grow H₂
capabilities

Support for
four Victorian
Hydrogen
Technology
Clusters

Establish
Victorian
Hydrogen
Cluster
Network

Full details in
the Plan



Website

<https://www.energy.vic.gov.au/renewable-hydrogen/industry-development-plan>

Questions?

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