



Australian Government

Jobs and Skills Australia

Clean Energy Workforce Capacity Study

TAFE Talks

21 June 2023

Initial functions of Jobs and Skills Australia



Research
and analysis

on the resourcing and
funding requirements for
RTOs to deliver accessible
quality VET courses



Undertake
workforce
forecasting

and



cross industry
workforce
analysis

Pathways into VET
and pathways between
VET and higher education

Australia's current,
emerging and future
skills and training
needs and priorities

Australia's current and
emerging labour market

The adequacy of the
Australian system for
providing VET, including
training outcomes

Issues relating to skills
and training, and workforce
needs, in regional Australia

Opportunities to remove
gender barriers in training
and in the labour market and
improve gender outcomes

Opportunities to improve
employment, VET and
higher education outcome
for disadvantaged cohorts

Provide
advice



Prepare
capacity
studies

including for emerging
and growing industries
and occupations



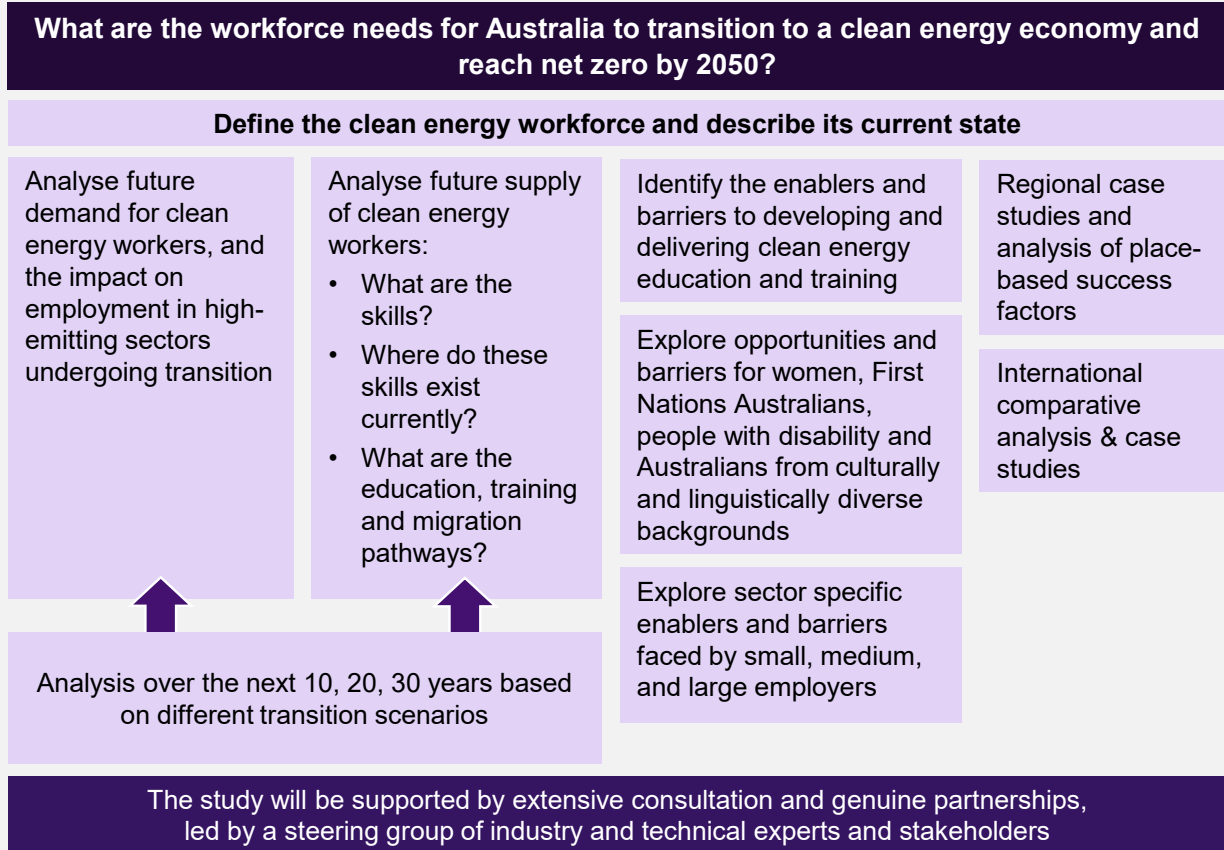
Inform
the public

about all of
these matters

Jobs and Skills Australia commenced operations on Wednesday 16 November 2022

The government is conducting further consultations on the functions and governance of Jobs and Skills Australia and will introduce a second tranche of legislation early in 2023.

Terms of Reference



Building on existing work

What we already know:

- Employment needs for renewable energy development will outpace the employment decline in transitioning sectors (2022 Integrated System Plan). Significant employment growth projected for rooftop solar installation, battery storage and transmission construction workers
- There are potential opportunities in hydrogen, critical minerals and other emerging clean energy industries
- There are existing training pathways such as renewable energy courses in VET and accreditation options by CEC
- Jobs and communities dependent on fossil-fuels will need to transition

What we still need to find out:

- As policy settings become more certain:
 - The impact of transport jobs as emissions reduce in transport
 - How energy performance will impact clean energy occupations
- How the job roles required in hydrogen, offshore wind, battery technologies may change as we scale
- How we can scale education and training offerings
- How should we be targeting migration settings to support the sector
- What is needed to build a sustainable and diverse clean energy workforce

Study outcomes

Our study will provide critical evidence and insights to support workforce planning, policy development and program design

Final report outcomes:

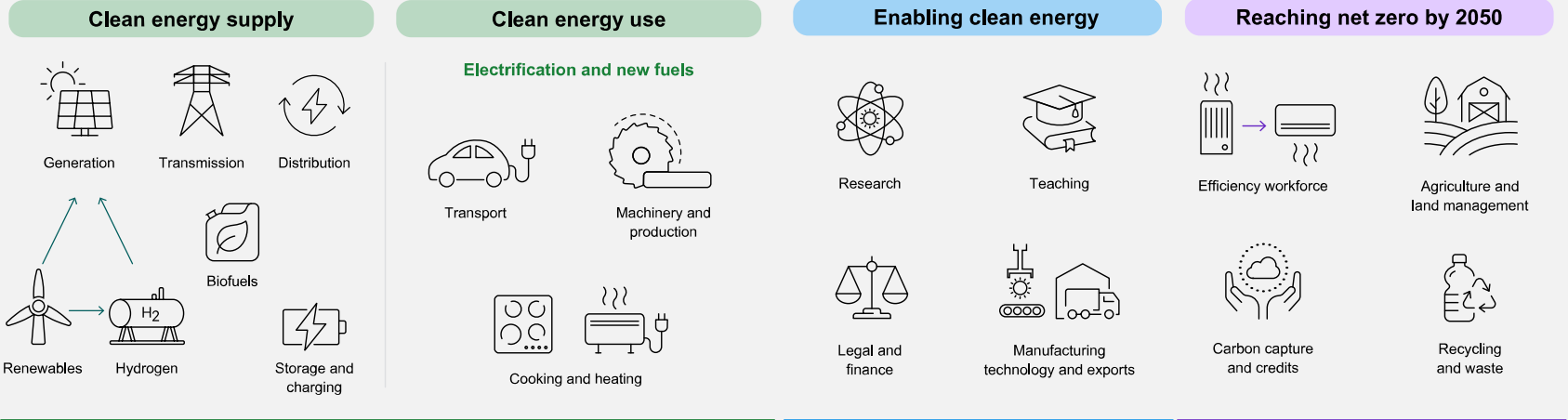
- clarifying what jobs and industries make up our clean energy workforce
- examining different transition scenarios and their impact on future workforce needs
- exploring how employment opportunities can be shared across regions and with priority cohorts
- identifying the education, training and migration pathways that we should be developing
- assessing the extent to which skills needs can be met by existing workers, particularly from transitioning sectors

Supply and demand modelling

JSA has commissioned Deloitte Access Economics to produce workforce estimates in close collaboration with Treasury, DCCEEW and the project steering group. Supply and demand will be modelled:

- in line with recent government commitments and policy
- over 10, 20 and 30 years
- across several transition scenarios that build on the work of AEMO, including a 'superpower' export scenario
- disaggregated by occupation and region
- to identify gaps and surpluses across the economy

The clean energy workforce captures a wide range of activities



Other activities across government

Research and advice

Net Zero Taskforce

Advice to support regional communities as Australia transforms to a net zero economy. Focused on regions which are more heavily reliant on emissions intensive industries.

Department of the Prime Minister and Cabinet
- operating until mid-2023

Clean Energy Capacity Study

Detailed analysis of current and future workforce, training, and transition needs of the broader clean energy workforce.

Jobs and Skills Australia
- final report 2023

Australian Energy Employment Report (AEER)

An online survey of the existing energy sector to provide a snapshot of the workforce. Over time this data asset could help government track the transition.

Department of Climate Change, Energy, the Environment and Water
-survey closes 30 April 2023

Skills initiatives

New Energy Apprenticeships

Financial support for eligible apprentices valued up to \$10,000

New Energy Skills Program

Funding for training pathways and a new mentoring program

Jobs and Skills Councils

Developing VET training products and pathways in collaboration with industry

Department of Employment and Workplace Relations

Government strategies

National Energy Workforce Strategy

National Hydrogen Strategy

National Electric Vehicle Strategy

National Energy Performance Strategy

National Battery Strategy

First Nations Clean Energy Strategy*

Department of Climate Change, Energy, the Environment and Water

* The Department of Climate Change, Energy, the Environment and Water, the National Indigenous Australians Agency and the First Nations Clean Energy Network

Powering Australia Plan

Rewiring the Nation

\$20 billion in low-cost finance for the upgrade and expansion of Australia's energy grid

Powering the Regions

Providing dedicated support to make sure traditional and new industries in regional Australia can harness the economic opportunities of decarbonisation

National Energy Transformation Partnership

An agreed national plan between the states, territories and Commonwealth to support investments in the grid, market reforms and making homes and appliances more efficient

Department of Climate Change, Energy, the Environment and Water



Australian Government

Jobs and Skills Australia

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