Wind worker fact sheet

Information to support applications to establish the Wind Worker Training Centre

Victoria's energy workforce is projected to grow to 67,000 workers in 2040, an increase of greater than 60%.

Victoria is at the forefront of a major global energy transition, with renewable energy such as wind energy at the centre of this change. To meet Victoria's energy needs, an estimated 5.4 GW of onshore wind will be required from 2024 to 2035. At the same time, Victoria has ambitious offshore wind energy generation targets of at least 2 GW by 2032, 4 GW by 2035 and 9 GW by 2040.

This investment in wind energy generation is essential for maintaining energy reliability and keeping energy transition costs down. This presents a significant workforce opportunity, with strong demand for skilled workers to support planning, construction, and operations. The Victorian Energy Jobs Plan (the Plan), coming in 2025, is Victoria's plan for our energy sector workforces and will focus on working together to build capacity, grow skills and capability and promote a coordinated response.

The information in this fact sheet is drawn from the forthcoming Plan.

The offshore wind workforce will experience peak

employment of approximately 2,370 FTE in 2038. From

2035 onwards, an average of about 2,100 construction,

Onshore wind

2,598 (average FTE 2025–2040)

The onshore wind workforce will experience peak employment in construction in 2028, of approximately 2,700 FTE, and an overall workforce peak including construction and operations and maintenance workforces of 4,269 FTE in 2028. In 2040, there will be approximately 2,060 FTE needed, including 1,972 FTE in operations and maintenance workforces.

Top 10 occupations

- Electricians (30%)
- Mechanical engineering trades workers (17%)
- Accountants (8%)
 Production managers (8%)
- Clerical and administrative workers (6%)
- Occupational and environmental health professionals (5%)
- Engineers (4%)Construction
- managers (3%)
- Chief executives, general managers and legislators (3%)
- Geologists, Geophysicists and hydrogeologists (2%)

All other occupations in onshore wind (14%)

operations and maintenance jobs will be needed each year in offshore wind until 2040. In 2040, 2,120 FTE

1,556 (average FTE 2029–2040)

Offshore wind

Top 10 occupations

- Other Technicians and Trades Workers* (29%)
- Engineers (9%)

will be needed.

- Electronic Engineering Draftspersons and Technicians (6%)
- Mechanical Engineering Draftspersons and Technicians (6%)
- Other building and engineering technicians (6%)
- Chemical, gas, petroleum and power generation plant operators (5%)
- General managers (5%)
- Marine transport professionals (4%)
- Personal assistants (4%)
- Electricians (3%)

All other occupations in offshore wind (23%)

*Note: Occupations in this unit-group are likely to include new and emerging trades and skilled workers, which require ANZSCO Skill Level 3 qualifications, of a Certificate III including at least two years of on-the-job-training, or a Certificate IV, or at least three years of relevant experience.



Victorian wind workforce opportunities

SA 4 regions



This map shows the potential location of project activity. Some jobs, such as managerial or professional roles, may be located in Melbourne.



Note: Occupations, locations and workforce projections include construction, operations and maintenance workforces. Manufacturing is not included, however <u>Offshore Wind Energy Victoria's Implementation Statement 4</u> provides additional information about manufacturing workforces.



In addition to the Wind Worker Training Centre, the Victorian Government is supporting workforces in renewable energy, including wind energy, across a range of policies and initiatives.



The Victorian Energy Jobs Plan – what it means for our partners

The Victorian Energy Jobs Plan, set for release in 2025, provides a framework for building Victoria's energy sector workforce, ensuring we have the capacity, capabilities and coordination across the sector to enable market confidence and deliver Victoria's energy transition.



Victorian Community

- Jobs More understanding and certainty on the breadth of job opportunities for individuals to work in the energy sector
- Local communities More opportunities to support local communities to benefit from energy sector jobs and skills development
- Coordination Greater confidence that the energy transition is being planned for and coordinated effectively



Energy Industry

- Investment Greater confidence to invest in, and deliver, Victoria's energy transition
- Workplaces More certainty on expectations for improving workplace culture, including increasing workforce diversity, equity and inclusion
- Linkages Clearer opportunities for linking the energy transition with education, training and governments on workforce development

Education and training sector

- Training needs More certainty around the breadth of energy transition skills and occupations
- Collaboration More opportunities for collaborating with industry to identify education and training priorities
- Forward planning Greater confidence to invest in designing and delivering aligned education and training offerings

Governments

- Policy More certainty on the breadth of energy transition skill and occupation needs
- Coordination More opportunities tto coordinate policy and planning to achieve energy transition targets and commitments
- Investment attraction Greater confidence to invest in actions and initiatives informed by energy industry and training needs in Victoria

We acknowledge Victorian Traditional Owners and their Elders past and present as the original custodians of Victoria's land and waters and commit to genuinely partnering with them and Victoria's Aboriginal community to progress their aspirations.



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