



# HYDROPOWER INDUSTRY JOBS AND SKILLS GUIDE

## The Hydropower Industry

The hydropower industry provides a range of regional jobs and employs local contractors. The sector requires electrical, mechanical and civil skills, and certain construction skills, particularly heavy underground works. Workers in oil and gas, mining, rail, water and environmental services often have skills that can be transferred to hydropower.

## Oven Mountain Pumped Hydro

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## Oven Mountain Pumped Hydro Project

The Oven Mountain Pumped Hydro project is located on private land within the New England Renewable Energy Zone, adjacent to the Macleay River between Armidale and Kempsey. The project will provide much-needed long-duration storage and improve reliability in the National Electricity Market, generating up to 900 MW of electricity and storing enough water for up to eight hours of dispatchable energy at full generation for 100+ years.

The project is expected to deliver big regional benefits by injecting more than \$40 million into the regional economy, employing up to 800 people during construction, and generating up to 95 direct and indirect jobs once operational.

### Professionals

The Oven Mountain Pumped Hydro project will need professionals with tertiary qualifications during the development and construction phases.

Role	Education level	Development	Construction	Operation
<b>Project manager</b>	Tertiary – bachelors+		•	•
<b>Site tunnel engineer</b>	Tertiary– bachelors+	•	•	
<b>Civil inspector</b>	Tertiary– bachelors+		•	•
<b>Civil engineer</b>	Tertiary– bachelors+	•		•
<b>Quality inspector</b>	Skill set/ tertiary		•	
<b>Hydrographers</b>	Tertiary– bachelors+	•		
<b>Hydropower engineers</b>	Tertiary– bachelors+	•	•	•
<b>Geologists</b>	Tertiary– bachelors+	•		
<b>Environmental advisor</b>	Tertiary – bachelors+	•	•	•
<b>Land liaison advisor</b>	Tertiary – bachelors+	•	•	
<b>Stakeholder and engagement advisors</b>	Tertiary– bachelors+	•	•	•
<b>Digital engineers</b>	Tertiary– bachelors+	•	•	•
<b>Mining engineers</b>	Tertiary– bachelors+	•	•	•
<b>Electrical engineer</b>	Tertiary– bachelors+	•	•	•
<b>Environmental engineer</b>	Tertiary– bachelors+	•	•	•

## Trade and technicians

The construction and operational phases of the project will need trades people to deliver hydropower to New South Wales.

Role	Education level	Development	Construction	Operation
<b>Drillers and drivers</b>	Trade qualification		•	
<b>Concreters</b>	Trade qualification		•	
<b>Electricians</b>	Trade qualification		•	•
<b>Construction workers</b>	Trade qualification		•	•
<b>Carpenter</b>	Trade qualification		•	•
<b>Fabricator</b>	Trade qualification		•	•
<b>Crane and tower operator</b>	TAFE certificate		•	

## Outdoor and onsite roles

There are a range of outdoors and onsite roles during the construction and operational phases to create a smooth development of the Oven Mountain Pumped Hydro project.

Role	Education level	Development	Construction	Operation
<b>Safety officers</b>	Tertiary – TAFE or bachelors		•	•
<b>Site cleaners</b>	Skills set		•	•
<b>Plant Operators &amp; Drivers</b>	Skills set/TAFE			•
<b>Warehousing &amp; Storekeeping</b>	Skills set		•	•
<b>Traffic and transport supervisor</b>	TAFE		•	•



## Meet Juston Sullivan

### Role: Site Manager

Qualifications prior to commencement:

- Restricted Radio Operator
- Manual Driver's Licence
- Boat Licence
- Coxswains and Master Class Five certification
- Advanced First Aid
- Construction White Card
- Truck – Heavy Rigid



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### Find out more

If you'd like to find out more about the project, please visit our website or get in touch.



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