
Queensland's Renewable Future

Investment, jobs and skills



**STRONGER FUTURES
IN CONSTRUCTION**

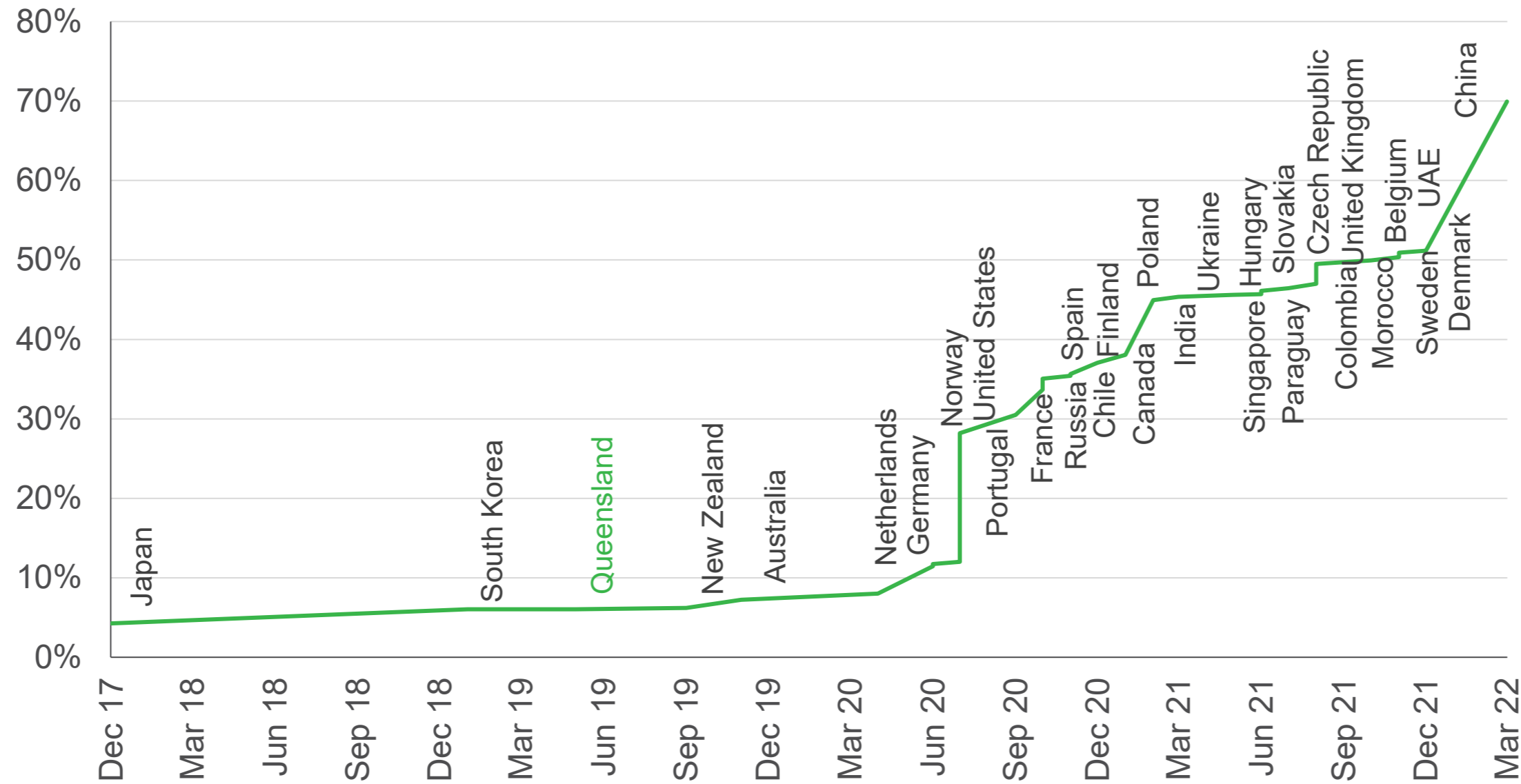
The research question

What will the renewables transition ask of the construction industry?



Hydrogen is the hinge

Release of hydrogen plans as % of global GDP

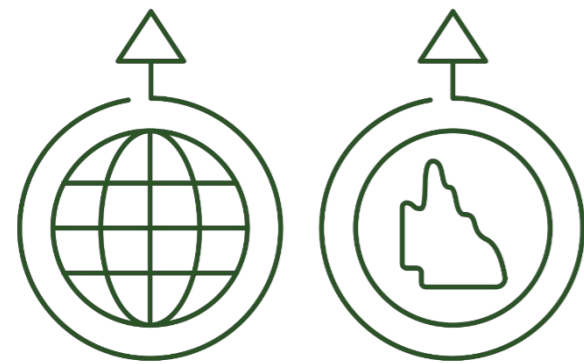


Source: CSIRO, CSQ



What kind of H₂ economy will we get?

Scenario modelling framework



Export + Domestic



Export-led



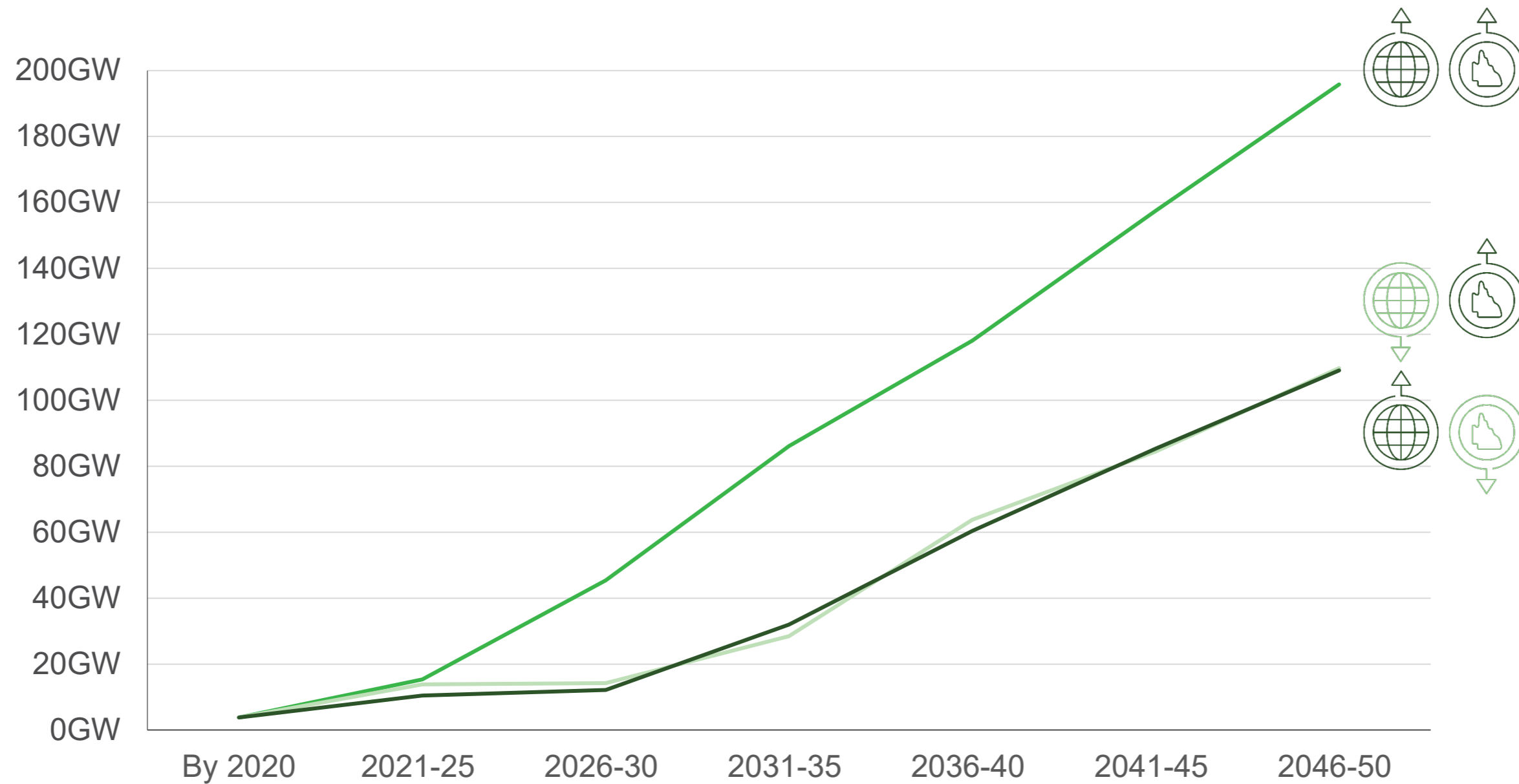
Domestic-led

Findings



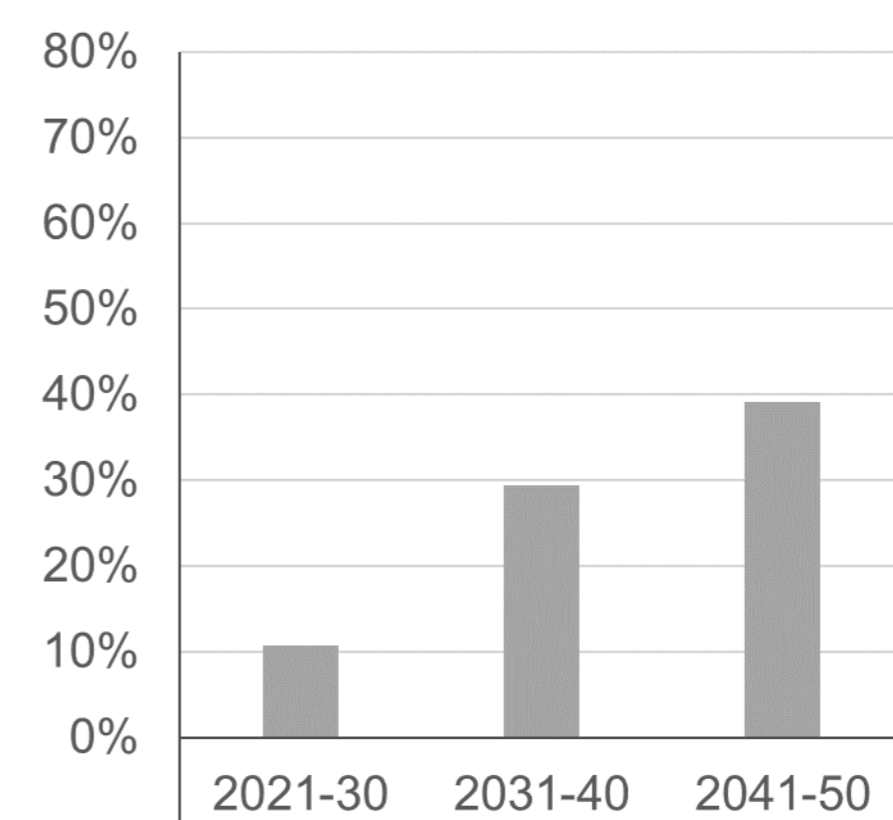
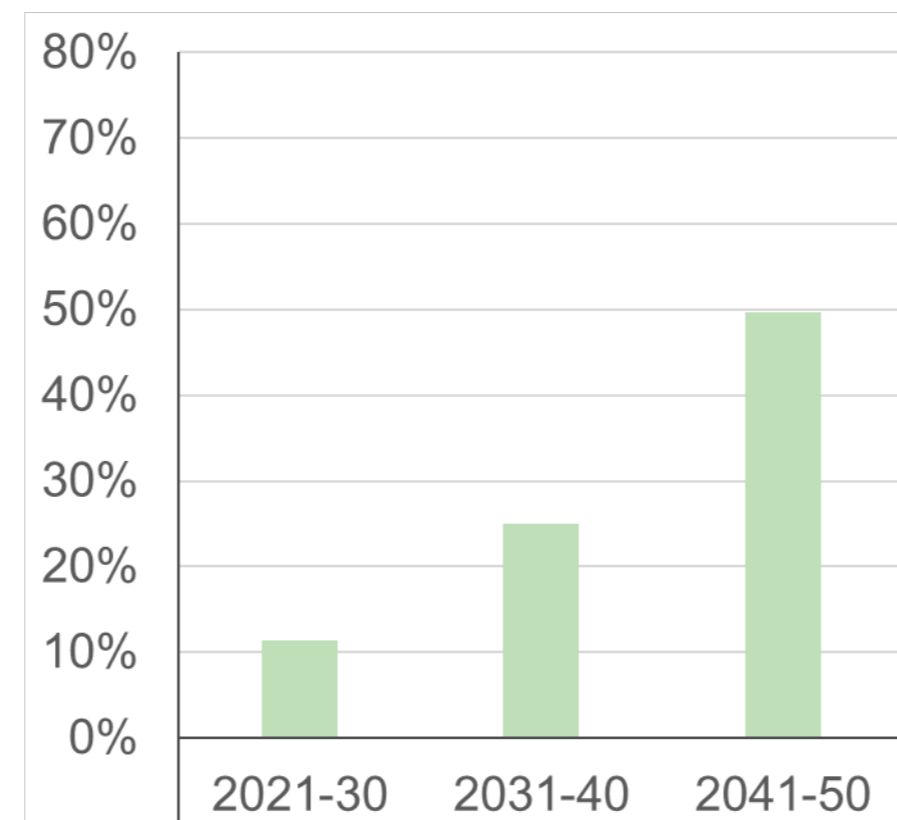
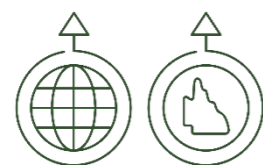
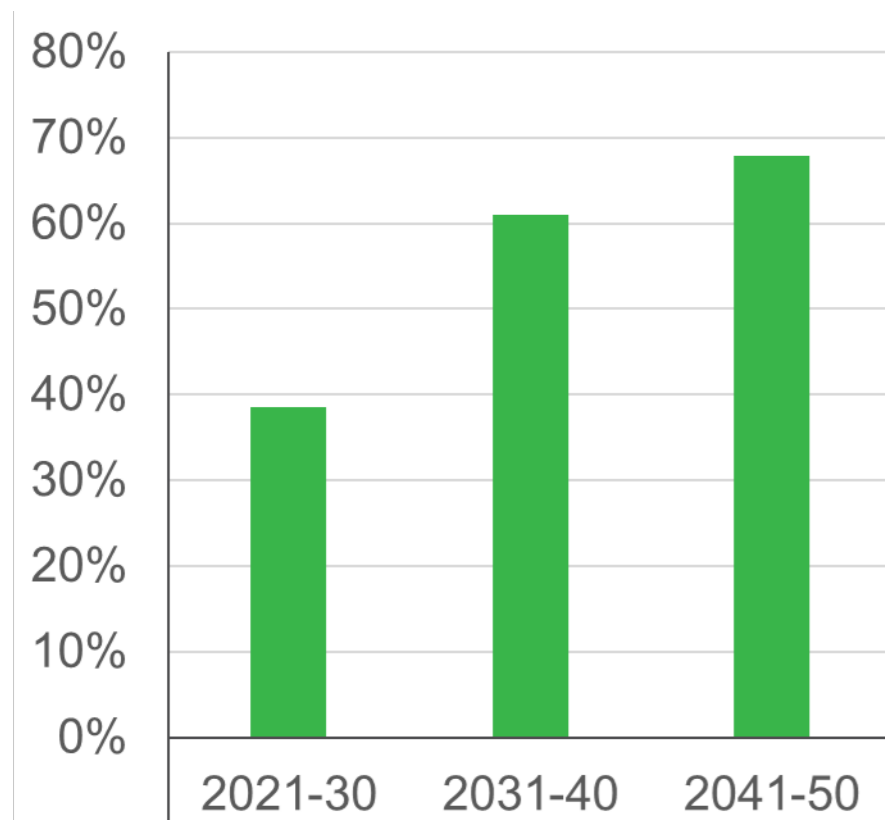
How much renewables will we need?

Projected renewable power generation capacity, Queensland



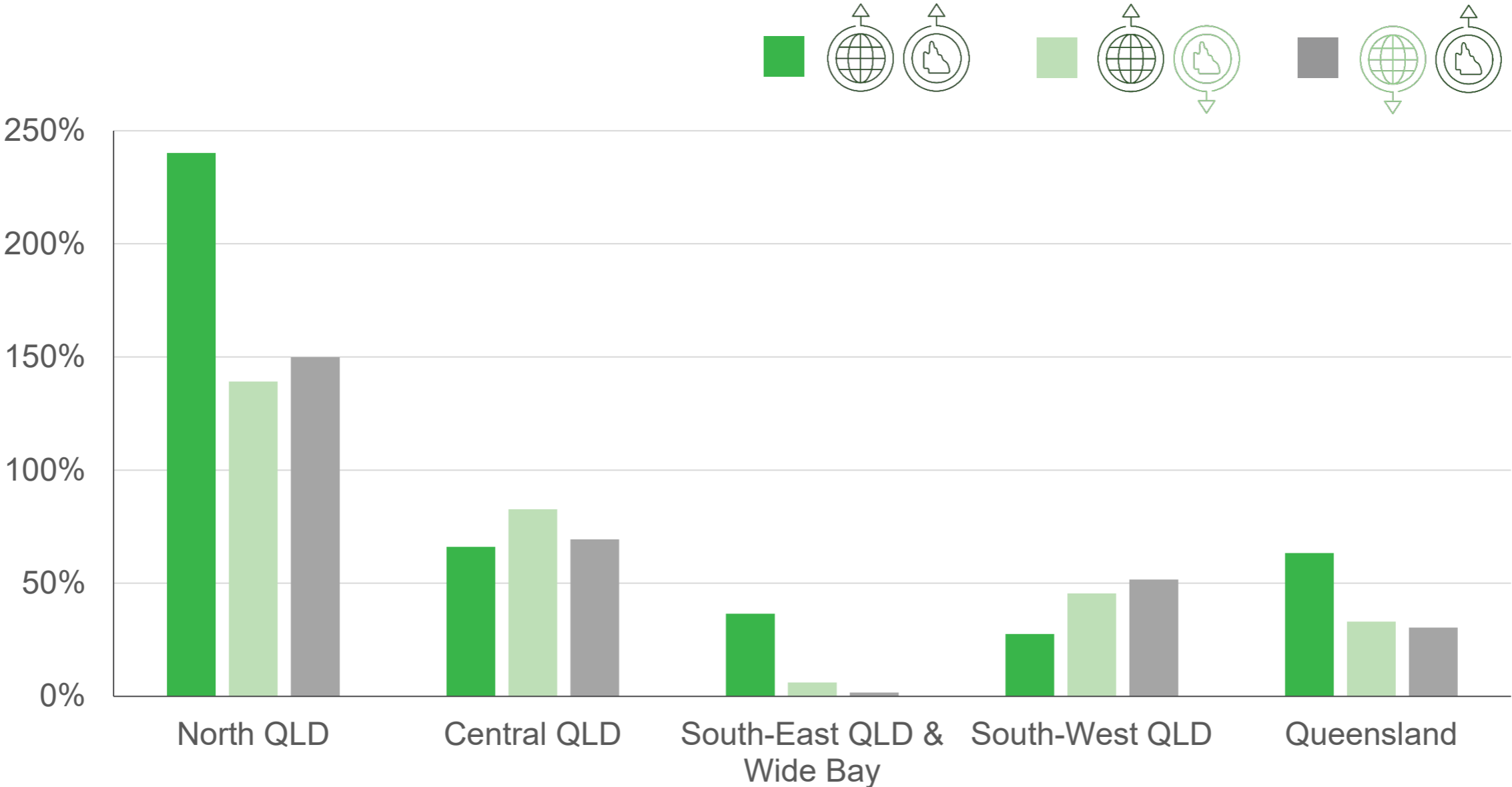
How much construction will be required?

Renewables impact on annual engineering construction activity, Queensland



The regional dimension

Renewables impact on engineering construction activity (2026-50 avg)



Source: CSIRO

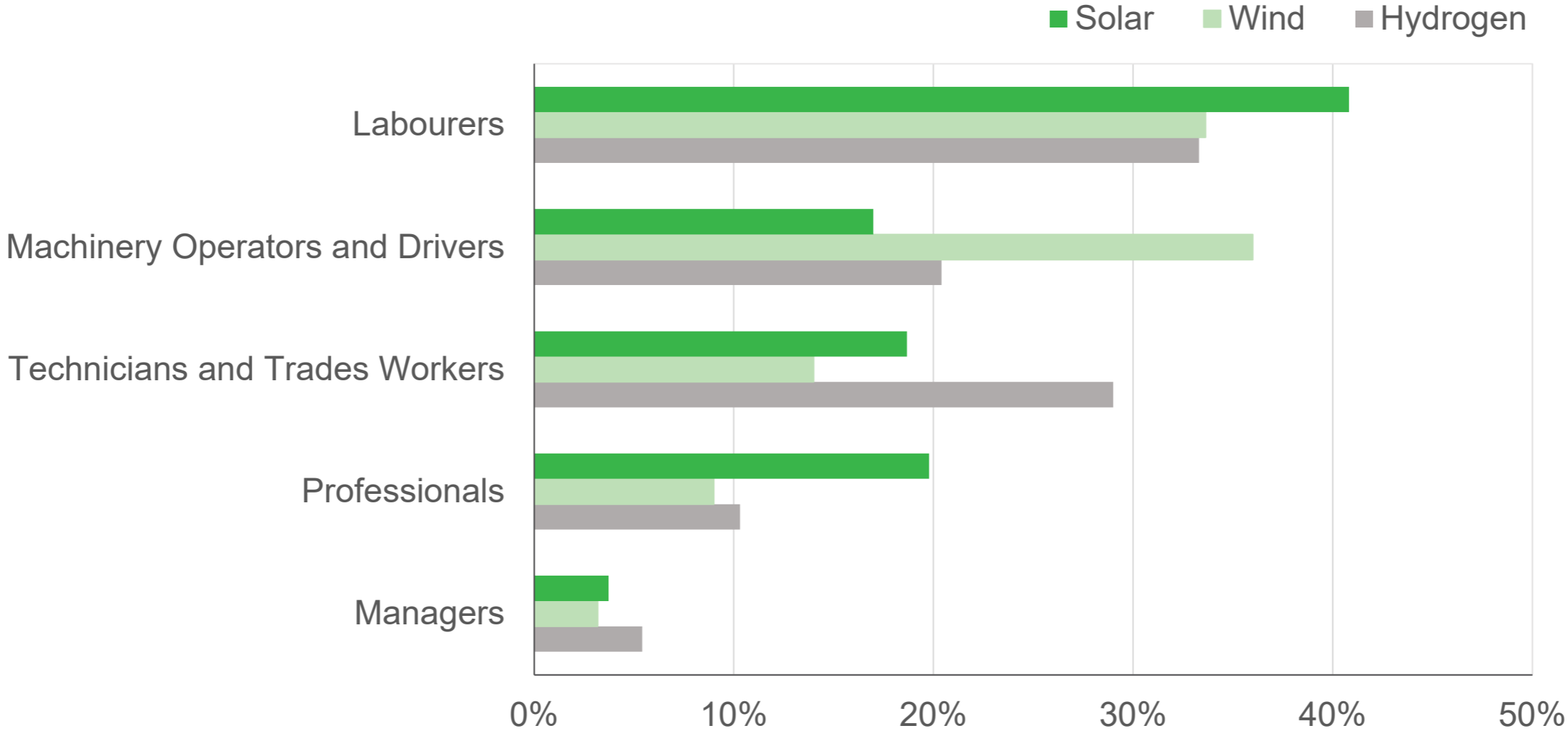
What types of workers will we need?

Renewables construction labour profile

- Electrical Engineers
- Electronics Trades Workers
- Mechanical Engineering Draftspersons and Technicians
- Industrial, Mechanical and Production Engineers
- Crane, Hoist and Lift Operators
- Civil Engineering Professionals
- Concreters
- Construction Managers
- Other Construction and Mining Labourers
- Earthmoving Plant Operators
- Electricians
- Structural Steel Construction Workers
- Plumbers
- Metal Fitters and Machinists
- Truck Drivers
- Other Miscellaneous Labourers
- Other Engineering Professionals
- Surveyors and Spatial Scientists
- Electrical Distribution Trades Workers

What types of workers will we need?

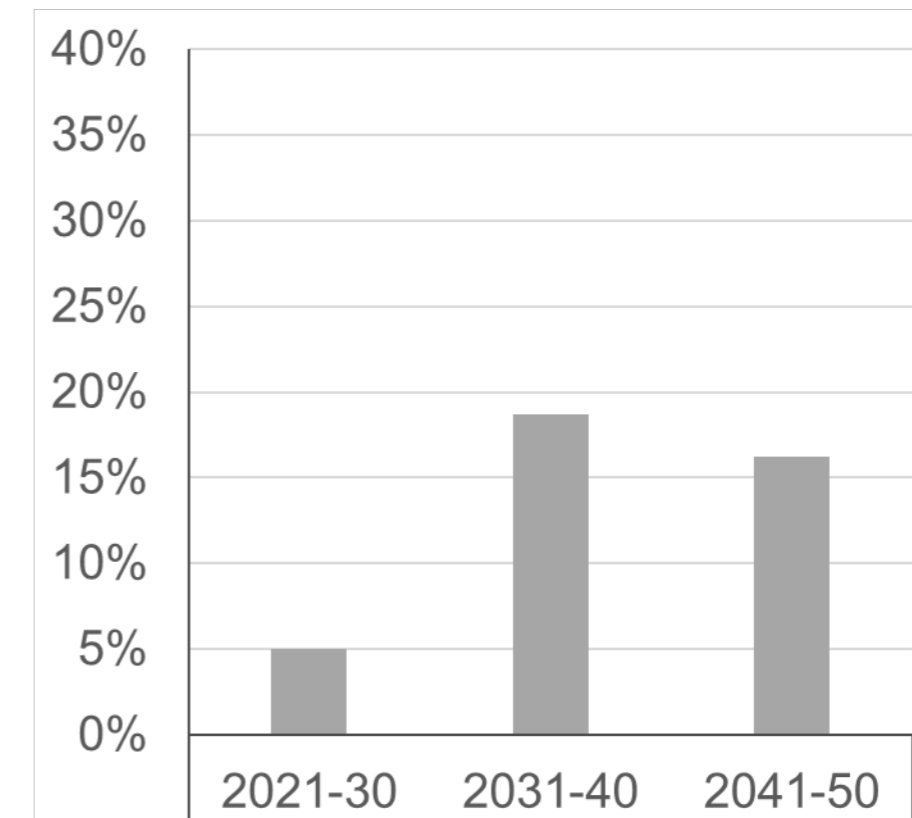
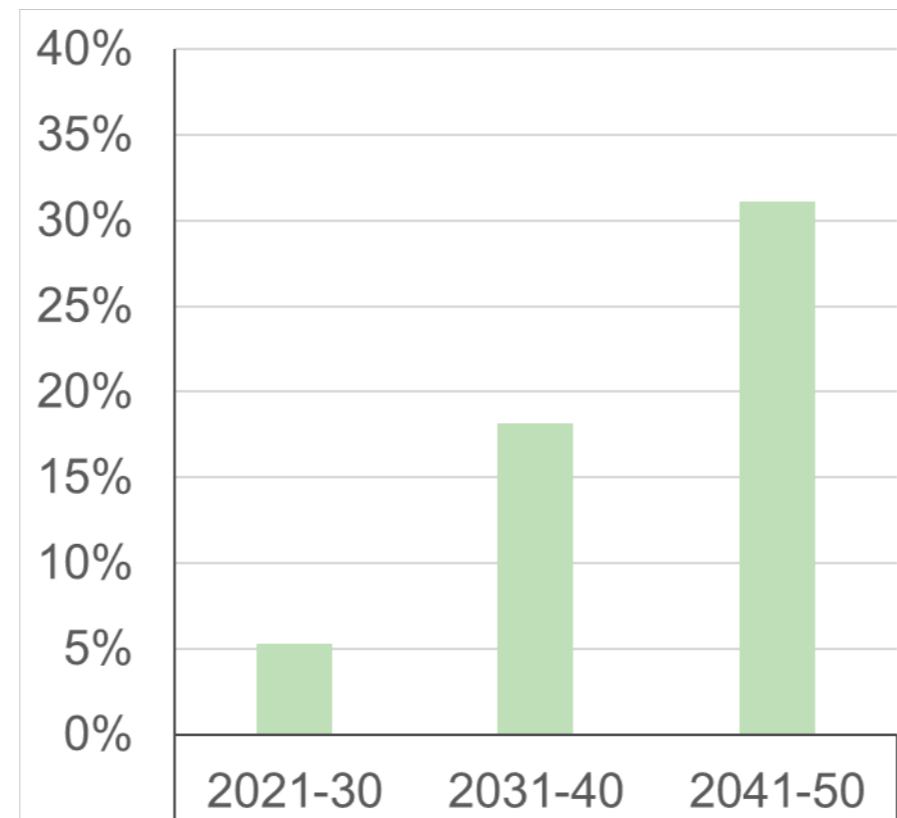
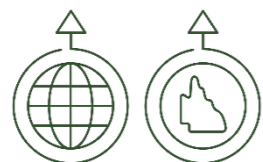
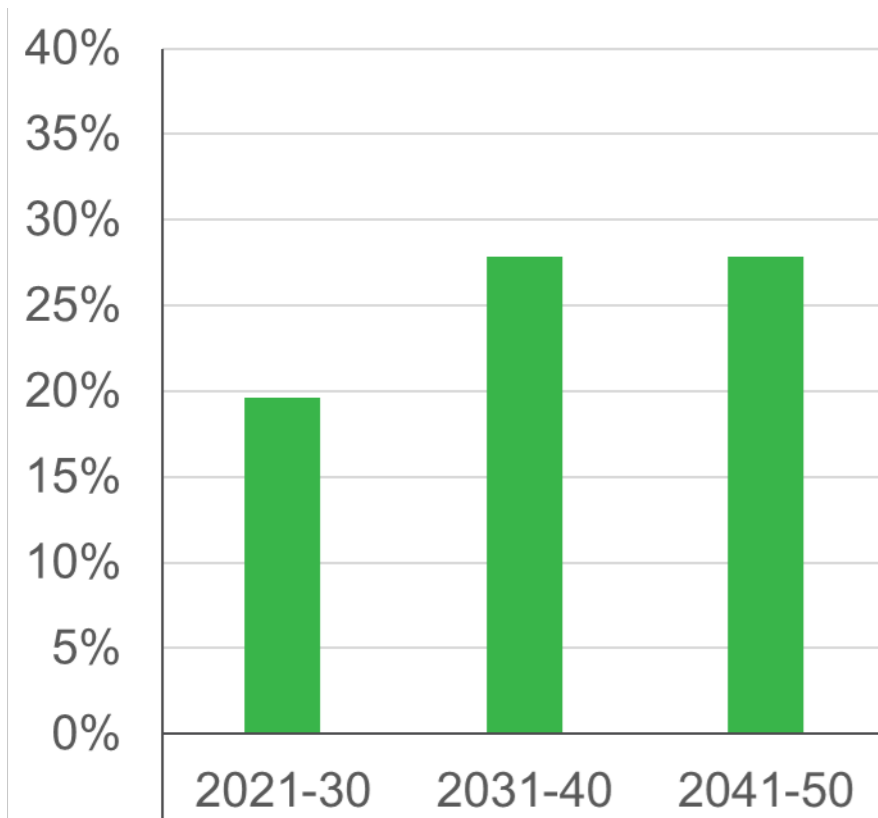
Renewables construction workforce skill profile



Source: CSQ

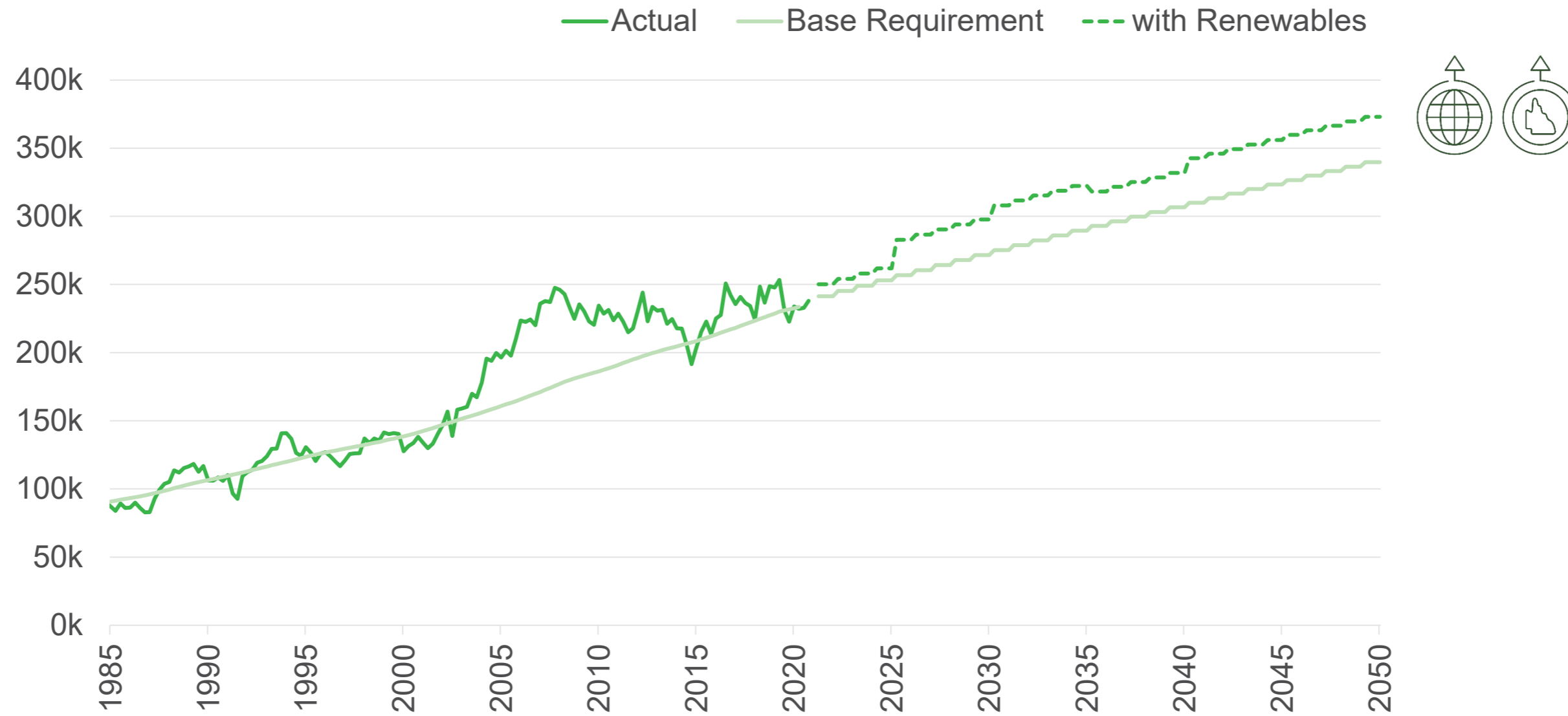
How many workers will we need?

Renewables impact on deployable construction workforce, Queensland



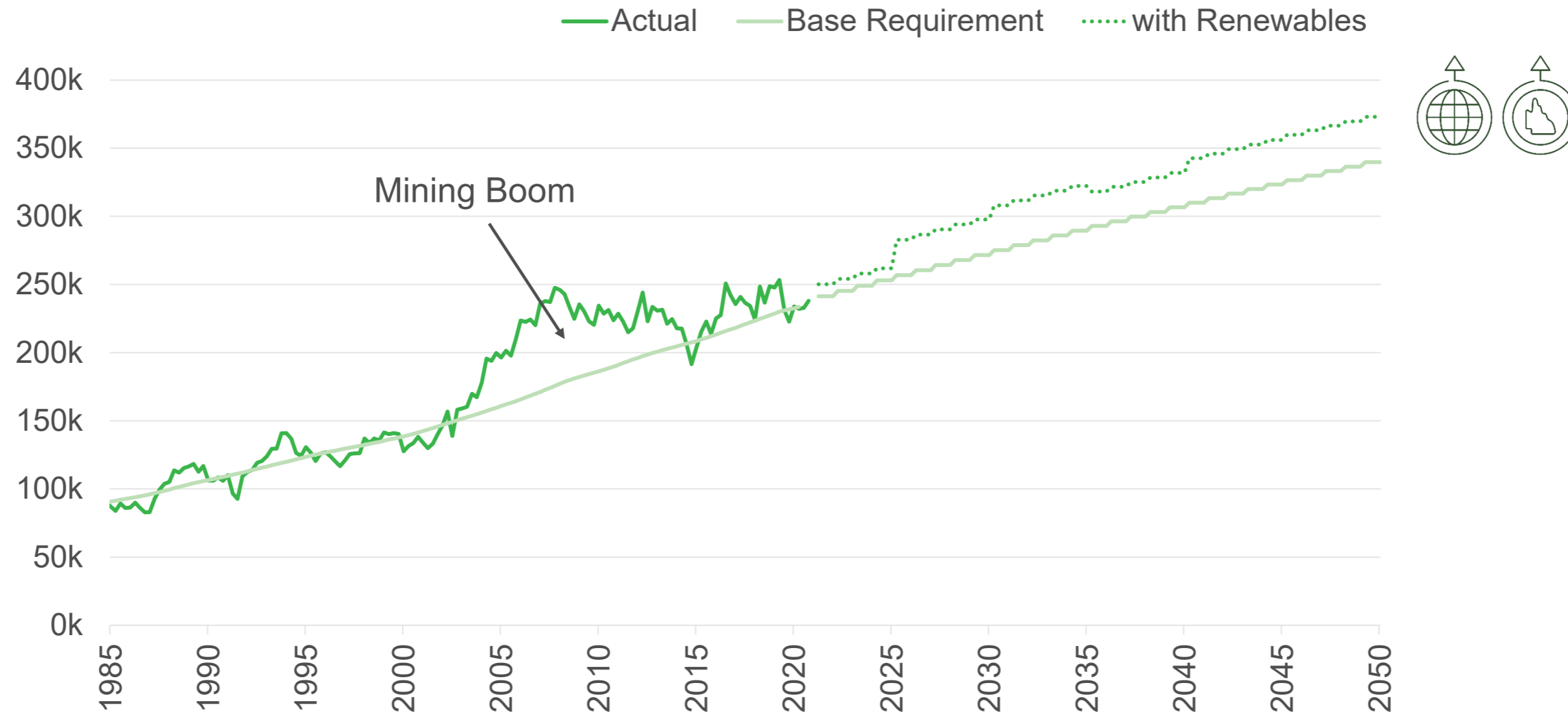
Putting it in perspective

Construction industry employment, Queensland



Putting it in perspective

Construction industry employment, Queensland



Find out more

csq.org.au/renewables