

2030: A Thriving Decarbonising Australia

By acting on climate, Australia can add **\$890 billion** and **195,000** jobs to our economy by **2070**



Grid approaching 80% renewables

- Electrification underway for as many sources of energy demand as possible
- Interconnected transmission and batteries
- Coal-fired power stations are winding down
- A more complex and resilient electricity grid with demand response deployed across 50% of total demand.

Gas system transitioning

- Supply into network is 15% renewable from bio-methane and green hydrogen
- Pathway to 50% renewable
- Clear pathway to only supplying sources which cannot electrify.

Zero carbon transport fuels at 60%

- Batteries and hydrogen fuel cells powering personal and freight transport
- The last internal combustion engine cars will be sold soon
- Jet biofuels powering a clear pathway to zero emission aviation.

Agri-sector transformation

- Biofuels and offsetting markets, including soil carbon, build rural wealth
- Selective breeding, and changed practices supported by remote monitoring are rapidly reducing emissions
- Machinery increasingly powered by batteries and fuel cells.

High emitters transforming

- Miners electrifying everything, with booming exports of the minerals needed to decarbonise
- Renewables powered manufacturing
- Clear decarbonisation pathways for hard-to-abate sectors through innovation, investment and collaborative ecosystems.

Embedding climate resilience

- Predictive, live and digitised insight on current and future disaster risk
- Significant economy-wide investments in resilience
- Clear and agreed regional adaptation pathways.

Government

Decarbonisation

- Set five-yearly, rolling carbon targets, budgets and roadmaps
- Safeguard mechanism tightened and broadened
- Carbon offsets market support.

Technology and Innovation

- Technology roadmap developed, aligned with carbon targets
- Increased funding and incentives for net zero innovation and investment
- Comprehensive market transformation programme underway.

National climate and resilience policy

- Climate skills strategy being implemented
- Just and respectful climate transition investments underway for high emitting regions and communities
- Technology-enabled, predictive climate and disaster risk information is available and driving autonomous adaptation.

Community

- First Nations engagement and co-design, including with traditional owners, should be at the core of Australia's climate journey.
- Communities have a shared responsibility to respond to the increasing frequency and intensity of natural disasters, including planning and acting to keep themselves safe.
- Government and business must support the transition, ensuring equity by creating new livelihoods for high emitting regions and communities.
- Communities are leading from the front all over Australia, including investing in household and community-scale renewable energy and advocating for stronger climate leadership.

Business

- Energy system transition to renewables
- Drive supply chain emissions reduction
- Innovate and invest in climate technology and offset markets
- Invest in transition of high emitting regions
- Finance sector engagement and investment in decarbonisation
- Collaborative, connected ecosystems to decarbonise and build resilience
- Robust and transparent climate governance.

Australia's future prosperity in a net zero world will be determined by what we do by 2030. Our actions now will determine how orderly our transition will be.

Jill Riseley, Partner, Sustainability, Climate, Circular Economy

Climate change is a defining and enduring issue for governments, business and our nation. As leaders, we need to work together and take clear and focused action to secure a prosperous and sustainable future for our country.

Adam Powick, CEO, Deloitte Australia

Find out more visit the [Five Steps to Accelerate to Zero](#)

