

# 2030: A thriving, decarbonising Australia

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

**Deloitte.**

## 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](#)**

