Responding to climate-related risks and opportunities

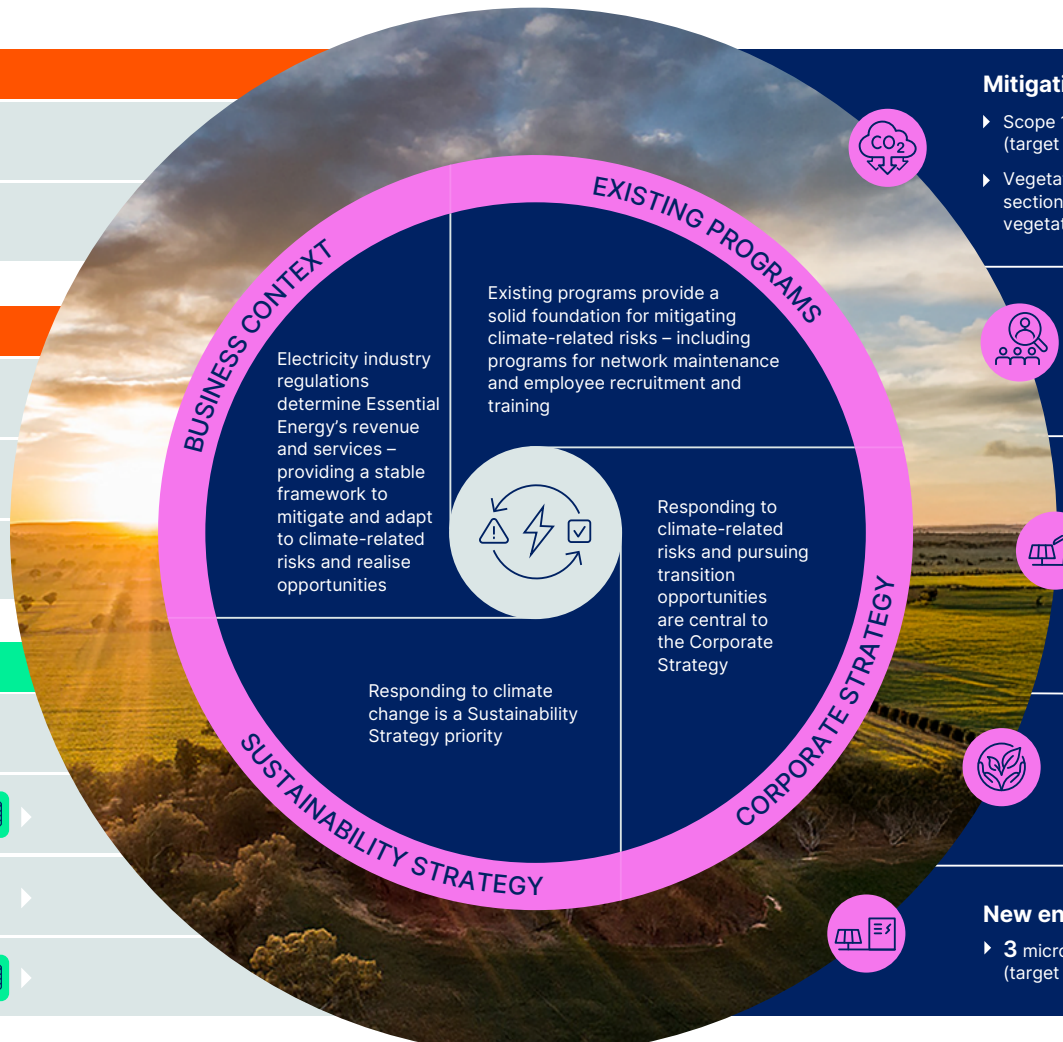
Risks and opportunities

Physical risks	Impacts
Extreme weather events	
Bushfires	

Transition risks	Impacts
Increased cost of electricity	
Competition for energy transition resources	
Rapid and disorderly energy transition	

Transition opportunities	Benefits
Better utilisation of Essential Energy's network and assets	
Dynamic network management	
Reduced environmental impact from operations	
New energy solutions for customers	

Responses



2024-25 response highlights

Mitigating physical risks

- Scope 1+2 emissions **19%** lower than 2020–21 (target of 50% lower by 2030)
- Vegetation trimmed for **219,393** powerline sections between poles, reducing the risk of vegetation causing power outages and bushfires

Mitigating competition for energy transition resources

- **500** apprentices, trainees and graduates – recruiting and training skilled workers

Better utilisation of Essential Energy's network and assets

- **3.8GW** of renewable generation connected to the network (90% of target, 4.2GW by 2029–30)
- **40** network and community batteries (target achieved, 29 batteries by 2029–30)

Reduced environmental impact from operations

- **First** EV semi-trailer added to the fleet, for depot deliveries on the NSW north coast

New energy solutions for customers

- **3** microgrid projects commenced (target of 6 by 2028–29)

IMPACTS Network outages · Bushfire ignition · Social fairness · Energy transition · Financial costs

BENEFITS Network use · Energy transition · Two-way energy · Network and community resilience · Environmental benefits · New services · Financial benefits