

## ROADMAP FOR THE ENERGY TRANSITION

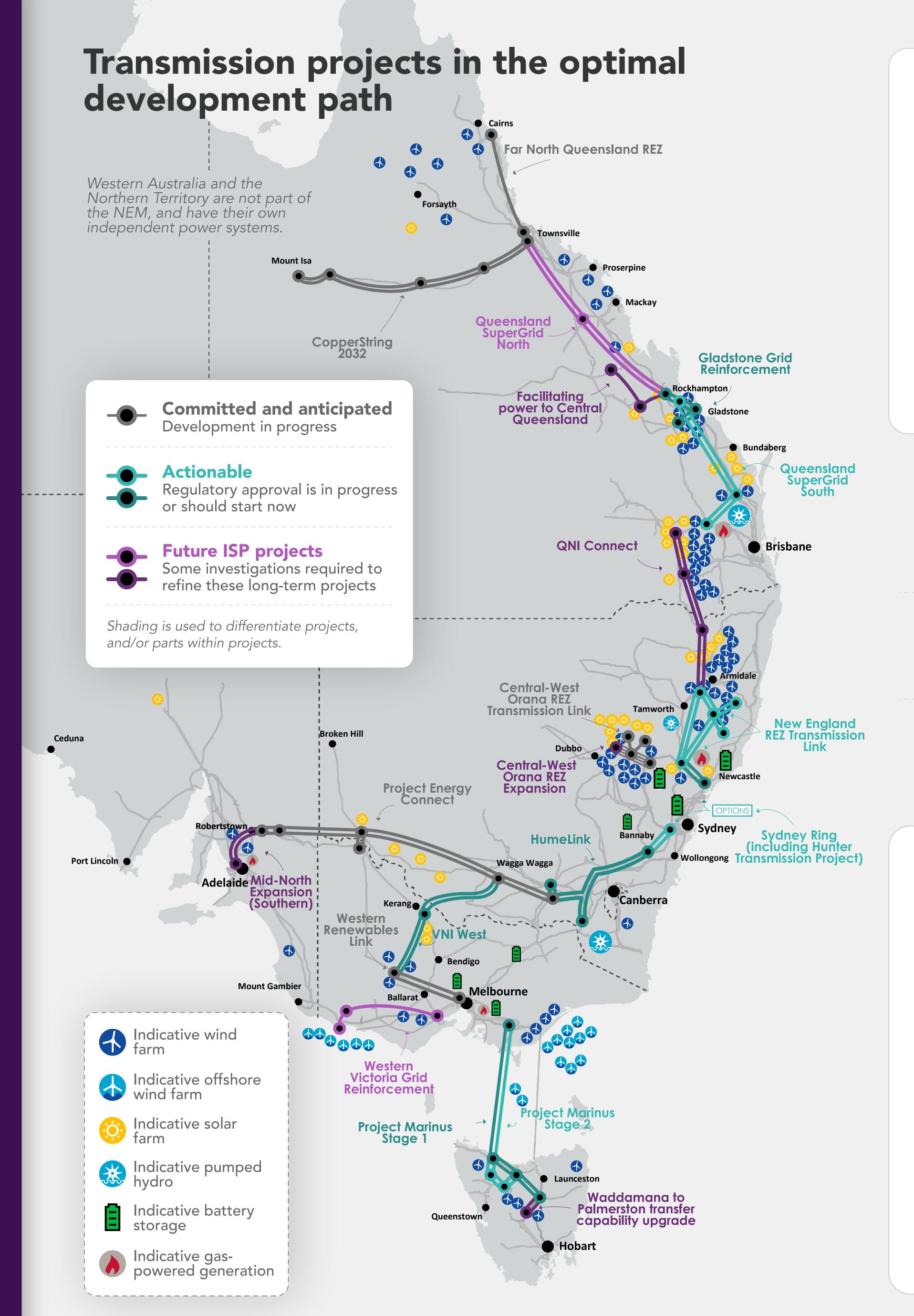
## AEMO's Draft 2024 Integrated System Plan

This document provides an overview of the Draft 2024 Integrated System Plan (ISP), which is a roadmap for the energy transition for the next 20 years and beyond.

**About us:** AEMO is the independent energy market and system operator and system planner for the National Electricity Market (NEM) and Western Australia's Wholesale Electricity Market (WEM). We are a not-for-profit company, with a membership of state and federal governments (60%) and energy industry members (40%).

For more information: www.aemo.com.au





## **About the ISP**



The energy transition is well underway, and AEMO's ISP outlines the changes needed to the NEM to continue delivering secure, reliable, and affordable electricity for millions of Australians.



Published every two years, the ISP details what, when, where, and how much electricity transmission, generation and storage is required in the NEM. This assists governments and industry to plan and invest to meet people's current and future energy needs as Australia transitions to a net-zero economy by 2050.



Developed in extensive consultation with consumers, policy makers, regulators, industry representatives and other groups, it is informed by a broad variety of technical expertise, voices and views.



The ISP is designed to ensure benefits to all who produce, consume and transport electricity in the NEM.

## Key facts and figures



Household and business electricity consumption from the grid is **forecast** to nearly double by 2050.



With coal expected to retire faster than currently announced, the NEM is forecast to need a seven-fold increase in large-scale wind and solar generation by 2050.

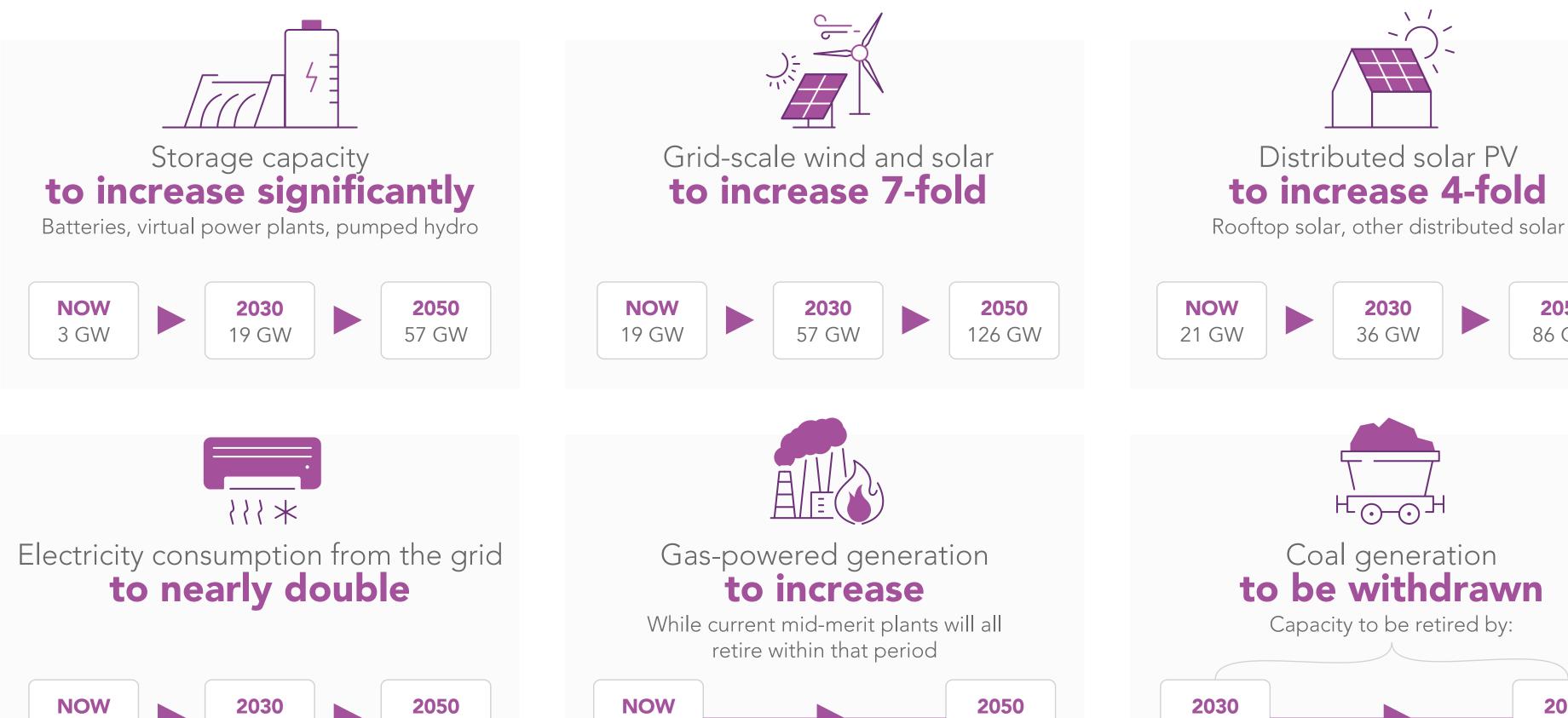


As the energy transition brings both opportunities and challenges, listening and responding to the voices, needs and concerns of consumers and local communities will be essential.



It also requires building close to 10,000 km of new transmission lines and upgrades to existing networks by 2050 to connect new generation across the power

> Delivering the transmission projects identified in this plan is expected to avoid \$17 billion in additional costs to consumers if those projects were not delivered.



16 GW