

# A CLEAR PLAN TO CONFIDENTLY EMBRACE AUSTRALIA'S ENERGY FUTURE

People are very clear about what they want from energy reform. It is reliable, affordable, lower emissions electricity. Australia has already jumped ahead of the rest of the world with more rooftop solar than anywhere. And massive penetration of low-cost, large-scale wind and solar farms has brought forward the use-by date for old thermal generators.

To get us safely to the future the Energy Security Board has recommended widespread action across four reform areas



**Resource adequacy mechanisms** to bring in the new resources needed to maintain reliability and avoid price spikes when coal generators exit the market.



**Essential services changes** to back up weather-driven generation, keeping the power system on an even keel technically and preventing expensive interventions which have been needed to keep the lights on in recent years.



**Making the most of consumer investments** in home-based energy like rooftop solar, batteries and smart appliances - using these distributed energy resources to take pressure off the grid and lower system costs for everyone.



**Transmission and access reforms** to cut the cost of transporting energy to consumers; planning for more generation to go into renewable energy zones; and a new model to manage congestion.

Change is already taking the market by storm. In the years ahead consumers will see...



High-tech change as the energy system moves to digital service delivery with more control over usage and bills than ever before.



The almost total rollover of generation to cheaper, cleaner, mainly renewable power.



Many millions more households and businesses with rooftop solar, batteries and electric vehicles.



Benefits for everyone from a modernised low emission power system that is working well, helping decarbonisation of the general economy and boosting Australia's global competitiveness.

More than **90 cents** in every dollar invested in generation since 2012 has been in wind and solar

Per capita, Australia is leading the world in installing renewable grid-scale generation - about 10 times the world average

## The ESB reform roadmap takes a three-part approach:

There are great opportunities but also problems to solve as the old system reaches its technical limits and makes way for the new. In the process the risk of price shocks and blackouts are real and getting closer. Our recommendations are an integrated, progressive response to protect consumers and deliver on their expectations.



**NOW**  
Fixing immediate problems, building strong foundations to handle fast-moving change.



**NEXT**  
Getting ahead of the curve to implement what needs to happen next.



**FUTURE**  
Orienting the national electricity market to its new path forward so everyone can plan with confidence.