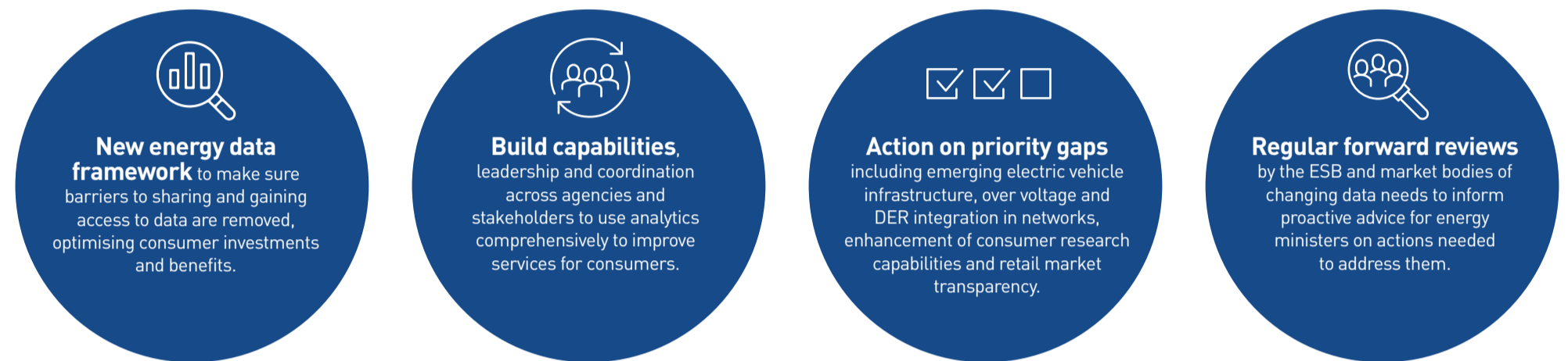


NEW ENERGY DATA STRATEGY

Digitalisation of the nation's energy market is well underway. Energy market bodies are investing in advancing systems and capabilities to take advantage of developments. But there's still a way to go before consumers, their service providers, policy makers and industry have all the data they need to make the best decisions in the face of change.

Modernisation of critical market systems and data frameworks are vital to enable the ESB's reform pathways



Data and analytics will change the way we think about dynamic energy management, empowering individual consumers and developing smarter grids capable of handling both large-scale weather-driven power stations and locally produced generation.



Data and technology are critical foundations to unlocking benefits for customers and to support efficient future energy market operations and planning.



This is increasingly important in a future national electricity market with demand and customer owned devices increasingly responding to market and price signals automatically like batteries exporting in response to peak prices or electric vehicles charging off-peak.



Better data and advances in technology can help to reduce costs of operations and network planning. These depend on accurate forecasts of consumer demand and DER take-up. To date, such trends have been under-estimated and predicted outcomes fluctuate widely raising real planning risks.



Essential system services and DER measures require forward planning capabilities and also more visibility of real-time behaviours; and should involve tracking of how new energy services are impacting consumers to inform robust consumer protections.

Data simply does not exist in some important areas. Transparency of DER (solar PV) and the low voltage network remain the system's largest data gaps.

Optimising long-term interests of consumers in a digitalised future

Reforms will overcome prevailing complexity and inconsistencies in data management and produce savings for consumers.



NOW
Set high level directions and core capabilities, improving data sharing and addressing barriers to getting the most from existing data sets.



NEXT
Address priority data gaps including electric vehicle visibility, over voltage and networks visibility, enhancing consumer research and bills and retail market transparency.



FUTURE
Design legislative reforms for future data framework to define adaptable governance arrangements.