

Integrated System Plan Scenarios and Sensitivities Summary

Table 1 High level case settings

Case	Neutral	Neutral with storage initiatives	Slow change	Fast change	High DER
Demand settings					
Economic growth and population outlook	Neutral	Neutral	Weak	Strong	Neutral
Rooftop PV - up to 100 kilowatts (kW)	Neutral	Neutral	Neutral	Neutral	Strong
Non-scheduled PV - from 100 kW to 30 MW	Neutral	Neutral	Neutral	Neutral	Strong
Demand side participation	Neutral	Neutral	Strong	Weak	Strong
Electric vehicle uptake	Neutral	Neutral	Weak	Strong	Neutral
Battery storage installed capacity	Neutral	Neutral	Neutral	Neutral	Strong
Battery storage aggregation by 2050	45%	45%	90%	10%	90%
Renewable/emissions reduction settings*					
Emissions trajectories	28% 2005 - 2030	28% 2005 - 2030	28% 2005 - 2030	52% 2005 - 2030	28% 2005 - 2030
LRET	Yes	Yes	Yes	Yes	Yes
VRET 25% by 2020 and 40% by 2025	Yes	Yes	Yes	Yes	Yes
Queensland Renewables and QRET 50% by 2030	Yes	Yes	Yes	Yes	Yes
Energy efficiency improvement	Neutral	Neutral	Weak	Strong	Neutral
Supply side settings					
Variable renewable energy (wind and utility solar) cost reductions	Neutral	Neutral	Slow	Neutral	Neutral
Storage (pumped hydro, battery, and solar thermal) cost reductions	Neutral	Neutral	Neutral	Rapid	Slow
Gas market settings					
Gas demand - LNG export	Neutral	Neutral	Weak	Strong	Neutral
Gas demand - residential/commercial/industrial	Neutral	Neutral	Weak	Strong	Neutral
Gas prices	Neutral	Neutral	Weak	Strong	Neutral
Development settings					
Storage developments	Model outcome	Snowy 2.0 2025, Battery of the Nation 2033	Model outcome	Model outcome	Model outcome
Interconnector development settings	Model outcome	Tumut to Bannaby and additional Basslink	Model outcome	Model outcome	Model outcome

* ISP modelling has incorporated explicit emissions constraints to represent this emission reduction.