

## Acronyms used across Te Kanapu

AACE	Association for the Advancement of Cost Engineering
AC	Alternating current
AEMO	Australian Energy Market Operator
AER	Australian Energy Regulator
AI	Artificial Intelligence
AIS	Air insulated switchgear
AtJ	Alcohol-to-Jet
BBI	Benefit-based investments
BESS	Battery Energy Storage System
C	Celsius
CAGR	Compound Annual Growth Rate
CAPEX	Capital Expenditure
CBA	Cost Benefit Assessment
CCGT	Combined cycle gas turbine
CCUS	Carbon capture, utilisation and storage
CER	Consumer Energy Resources
The Code	The Electricity Industry Participation Code (2010)
CSIRO	Commonwealth Scientific and Industrial Research Organisation (Australian)
CSP	Concentrated Solar Power
DC	Direct current
DER	Distributed Energy Resources
DOE	Department of Energy (Australian)
EA	Electricity Authority (New Zealand)
EDBs	Electricity distribution businesses
EDGS	Electricity Demand and Generation Scenarios (published by MBIE)
EECA	Energy Efficiency and Conservation Authority (New Zealand)
EEUD	Energy End Use Database
EIA	Energy Information Administration (Australian)
EIPC	Electricity Industry Participation Code

EMI	The EA's <a href="#">Electricity Market Information website</a>
eSAF	electro Sustainable Aviation Fuel
EV	Electric vehicle
FACTS	Flexible AC Transmission System
FIR	Fast Instantaneous Reserves
FOM	Fixed Operating and Maintenance Costs
GenCost	Electricity Generation Cost Report
Gentailers	Generator-Retailers (Energy companies that undertake both generation and retail activities)
GDP	Gross Domestic Product
GIP	Grid Injection Point
GIS	Gas insulated switchgear
GJ	Gigajoule
GW	Gigawatt
GWh	Gigawatt-hour
GXP	Grid Exit Point
HILP	High-impact, Low-probably events; used when discussing risk
HVAC	High voltage alternating current
HVDC	High voltage direct current
IAS	International Aviation and Shipping
ICE	Internal combustion engine
IEA	International Energy Agency
IEEE	Institute of Electrical and Electronics Engineers
IGBT	Insulated-gate bipolar transistor
IM	Input Methodologies
IPPU	Industrial Processes and Product Use
km	Kilometer
kV	Kilovolt
kW	Kilowatt
kW AC	Kilowatt alternating current
kWh	Kilowatt-hour
LCC	Line commutated converter
LCV	Light commercial vehicle

LEAP	Low Emissions Analysis Platform
LNG	Liquefied natural gas
LPG	Liquefied petroleum gas
LPV	Light passenger vehicle
LQA	Local Quality Agreement
LULUCF	Land Use, Land Use Change and Forestry
MBIE	Ministry of Business, Innovation and Employment (New Zealand)
MCP	Major Capital Project
MFO	Marine Fuel Oil
MMA	McLennan Magasanik Associates
MPC	Market Power Cost
MVA	Mega Volt Amperes
MW	Megawatt
MWh	Megawatt-hour
n-1 reliability	A connection with a higher level of reliability. It is able to withstand the loss of one connection asset and still remain connected
NESO	National Energy System Operator (Great Britain)
NREL	National Renewable Energy Laboratory
NZAS	NZ Aluminium Smelters
NZWEA	New Zealand Wind Energy Association
O&M	Operations and Maintenance
OCGT	Open Cycle Gas Turbine
p.u.	per unit
PDC	Price Duration Curve
PJ	Petajoule
PtL	Power-to-Liquid
PV (Solar)	Photovoltaic (Solar)
RETA	Regional Energy Transition Accelerator
REZ	Renewable Energy Zone
RMS	Root Mean Square
SAF	Sustainable Aviation Fuel
SCED	Security Constrained Economic Dispatch
SDDP	<a href="#">A stochastic dispatch model</a> /algorithm

SIR	Sustained Instantaneous Reserves
SMR	Small Modular Reactor (Nuclear)
SRMC	Short-Run Marginal Cost
STATCOM	Static synchronous compensator
SVC	Static Var Compensator
TEES	Transpower Enterprise Estimation System
TJ	Terajoule
TPM	Transmission Pricing Methodology
TRAS	Transient Rotar Angle Stability
TTU	Tactical Thermal Upgrade
TWh	Terawatt-hour
UGS	Underground gas storage
VKT	Vehicle kilometres travelled
VLR	Variable Line Rating
VoLL	Value of Lost Load. Used when calculating the cost of events that disrupt supply
VOM	Variable Operating and Maintenance Costs
VRE	Variable Renewable Energy
VSAT	Voltage Security Assessment Tool
VSC	Voltage Source Converter
vSPD	virtual Scheduling, Pricing, and Dispatch
WVA	Wider Voltage Agreement