



AESO 2024 Long-Term Outlook

Glossary of Terms and Abbreviations

ACCIP	Alberta Carbon Capture Incentive Program
AESO	Alberta Electric System Operator
AIES	Alberta Interconnected Electric System
AIL	Alberta Internal Load
ATC	Available Transfer Capacity
ATR	autothermal reforming
AUC	Alberta Utilities Commission
BC	British Columbia
BESS	battery energy storage system
BEV	battery electric vehicle
BoE	barrel of oil equivalent
BTF	behind the fence
CAD	Canadian dollar
CAES	compressed air energy storage
CAGR	compound annual growth rate
CAPP	Canadian Association of Petroleum Producers
CBoC	Conference Board of Canada
CCUS	carbon capture, utilization and storage
CER	<i>Clean Electricity Regulations</i>
CER	Canada Energy Regulator
CO2	carbon dioxide
DER	distributed energy resources
DFO	distribution facility owner
DSCR	debt service coverage ratio
DTS	demand transmission service
EGDF	Electricity Grid Displacement Factor
EIA	Energy Information Administration
EPC	emission performance credits

ERP	Emissions Reduction Plan
ESG	environmental, social and corporate governance
EUE	expected unserved energy
EV	electric vehicle
FCV	fuel cell vehicle
FSA	forward sortation area
FSB	facility-specific benchmarks
GDP	Gross Domestic Product
GGPPA	Greenhouse Gas Pollution Pricing Act
GHG	greenhouse gas emissions
GHGRP	Greenhouse Gas Reporting Program
GHGRPID	Greenhouse Gas Reporting Identifier
GJ	gigajoule
GUOC	Generating Unit Owners' Contribution
GWh	gigawatt hour
HDV	heavy-duty vehicle
HE	Hour Ending
HHV	higher heating value
HPB	high performance benchmarks
HVAC	heating, ventilation, and air conditioning
ICV	internal combustion vehicle
IRR	internal rate of return
ISO	Independent System Operator
ITC	investment tax credits
kWh/kg	kilowatt-hour per kilogram
kWh/km	kilowatt-hour per kilometre
LCOE	levelized cost of electricity
LDV	light-duty vehicle

LMP	Locational Marginal Pricing
LOLE	loss of load expectation
LOLH	loss of load hours
LTO	Long-Term Outlook
LTP	Long-Term Transmission Plan
MDV	medium-duty vehicle
Mid-C	Mid-Columbia
MISO	Midcontinent Independent System Operator
MSSC	most severe single contingency
Mt	megatonne
MT	metric tonnes
MT	Montana
MW	megawatt
MWh	megawatt hour
NAICS	North American Industry Classification System
NID	Needs Identification Document
NREL	National Renewable Energy Laboratory
Nuclear SMR	nuclear small modular reactors
OPG	Ontario Power Generation
OTSG	once-through steam generators
PHES	pumped hydro energy storage
PHEV	plug-in hybrid electric vehicle
PNNL	Pacific Northwest National Laboratory
POD	point of delivery
PPAs	power purchase agreements
PRM	planning reserve margin
RAM	resource adequacy model
RECs	renewable energy certificates

SAS	System Access Service
SERVM	Strategic Energy and Risk Valuation Model
SK	Saskatchewan
SMR	steam methane reforming
ST39	Provincial Mineable Bitumen Statistics Reporting
ST53	Provincial In-Situ Bitumen Statistics Reporting
t CO_{2e}/GWh	tonnes of carbon dioxide equivalent per gigawatt hour
TIER	<i>Technology Innovation and Emission Reduction Regulation</i>
TRM	Transmission Reliability Margin
USD	United States dollar
V2G	vehicle-to-grid
WACC	weighted average cost of capital
WECC	Western Electricity Coordinating Council
ZEV	zero-emission vehicle

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