

**ACRONYMS AND ABBREVIATIONS****A**

AACEI	Association for the Advancement of Cost Engineering International
AC	alternating current
AEO	Annual Energy Outlook
AESO	Alberta Electric System Operator
AIP	Agreement in Principle
AQMS	Air Quality Management System
ASL	above sea level
ASM	Ancillary Services Markets

**B**

BNA	Burntwood Nelson Agreement
Btu	British thermal unit

**C**

CAAQS	New Canadian Ambient Air Quality Standards
CAC	Consumers Association of Canada
CAGR	Compound Annual Growth Rate
CAISO	California Independent System Operator
CCCT	Combined Cycle Combustion Turbine
CCGT	combined cycle gas turbine
CCR	coal combustion residuals
CCS	carbon capture and sequestration
CDM	Clean Development Mechanism
CEA	Canadian Electricity Association
CEC	Clean Environment Commission
CEF	Capital Expenditure Forecast
CH <sub>4</sub>	methane
CM	Construction Management
CO <sub>2</sub>	carbon dioxide
CO <sub>2e</sub>	carbon dioxide equivalent
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
CPI	Consumer Price Index
CRD	Churchill River Diversion
CRR	Congestion Revenue Right
CSAPR	Cross-State Air Pollution Rule

CSP	Corporate Strategic Plan
CSR	Comprehensive Study Report
CT	combustion turbine

**D**

DA	day ahead
DB	Design Build
DBB	Design Bid Build
DC	direct current
DFO	Department of Fisheries and Oceans
DIR	Dispatchable Intermittent Resource
DOE	Department of Energy
DSM	Demand Side Management

**E**

EEPF	Electricity Export Price Forecast
EIA	Energy Information Administration
EIS	Environmental Impact Statement
EMGC	Electricity Marketplace Governance Committee
EMS	Environmental Management System
EMT	Environmental Management Team
EO	Emission Offset
EPA	Environmental Protection Agency
EPAct	Energy Policy Act
EPC	Engineer Procure Construct
ERCOT	Electric Reliability Council of Texas
EU	European Union
EU ETS	European Union Emissions Trading System
EWGs	exempt wholesale generators

**F**

FERC	Federal Energy Regulatory Commission
FF	Financial Forecast
FLCN	Fox Lake Cree Nation
FPA	Federal Power Act of 1935
FPC	Federal Power Commission
FSL	Full Supply Level
FTR	Financial Transmission Right

FUA Fuel Use Act

## G

G.S. Generating Station  
GAC Green Action Centre  
GCC general civil contract  
GCM Global Climate Model  
GDP gross domestic product  
GE General Electric  
GHG Greenhouse Gas  
GISB Gas Industry Standards Board  
GNTL Great Northern Transmission Line  
GOT Generation Outlet Transmission  
GRE Great River Energy  
GRSP Generation Reserve Sharing Pool  
GW gigawatt  
GWh gigawatt-hour

## H

Hg mercury  
HVDC High Voltage Direct Current  
Hz Hertz

## I

ICAP Installed Capacity  
IESO Independent Electricity System Operator  
IFF Integrated Financial Forecast  
IOU Investor-Owned Utility  
IPD Integrated Project Delivery  
IPP Independent Power Producer  
IRR Internal Rate of Return  
ISD in-service date  
ISO Independent System Operator  
ISO-NE Independent System Operator New England  
ITC Independent Transmission Company  
ITP Independent Transmission Provider

## J

JKDA Joint Keeyask Development Agreement

## K

KCN Keeyask Cree Nation  
KHLP Keeyask Hydropower Limited Partnership  
kV kilovolt  
kW kilowatt  
kWh kilowatt-hour

## L

LFG landfill gas  
LMP locational marginal pricing  
LNG liquid natural gas  
LOLE loss of load evaluation  
LSSEP Lake Sturgeon Stewardship and Enhancement Program  
LUC Levelized Utility Cost

## M

MA-BCA Multiple Account Benefit-Cost Analysis  
MAIN Mid-America Interconnected Network  
MAPP Mid-Continent Area Power Pool  
MATS Mercury and Air Toxic Standards  
MCWS Manitoba Conservation and Water Stewardship  
MHEB Manitoba Hydro Electric Board  
MIPUG Manitoba Industrial Power Users Group  
MISO Midcontinent Independent System Operator, Inc.  
MKO Manitoba Keewatinowi Okimakanak Inc  
mmBTU one million British thermal units  
MMF Manitoba Métis Federation  
MMTP Manitoba-Minnesota Transmission Project  
MMTU Manitoba-Minnesota Transmission Upgrade  
MOU Memorandum of Understanding  
MP Minnesota Power Company  
MPUC Minnesota Public Utilities Commission  
MRC Marginal Resource Cost  
MRO Midwest Reliability Organization  
MTEP MISO Transmission Expansion Planning

MVP	Multi Value Project
MW	megawatt
MWh	megawatt-hour

**N**

NAAQS	National Ambient Air Quality Standards
NAERO	North American Electric Reliability Organization
NAESB	North American Energy Standards Board
NBSO	New Brunswick System Operator
NEB	National Energy Board
NERC	North American Electric Reliability Council
NFA	Northern Flood Agreement
NFAT	Needs For and Alternatives To
NO <sub>2</sub>	nitrogen dioxide
NOPR	Notice of Proposed Rulemaking
NO <sub>x</sub>	nitrogen oxides
NPV	net present value
NRC	Nuclear Regulatory Commission
NSP	Northern States Power
NUG	Non-Utility Generation
NYISO	New York Independent System Operator
NZ ETS	New Zealand Emission Trading Scheme

**O**

O & M	Operating and Maintenance
OASIS	Open Access Same-Time Information System
OM & A	Operating, Maintenance and Administration
OPA	Ontario Power Authority
OPG	Ontario Power Generation
OTAG	Ozone Transport Assessment Group

**P**

PCC	Pulverized Coal Combustion
PDA	Project Development Agreement
PJM	Pennsylvania, New Jersey and Maryland
PLIL	Potential Large Industrial Loads
PM	Particulate Matter
PPA	Power Purchase Agreement

ppm	parts per million
PPT	pre-project training
PRB	Powder River Basin
PSA	Power Sales Agreement
PSC	Public Service Commission
PTC	Production Tax Credit
PUB	Public Utilities Board
PUHCA	Public Utilities Holding Company Act
PURPA	Public Utility Regulatory Policies Act
PV	present value

## Q

QFs	qualifying facilities
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## R

RAS	Reliability Assessment Subcommittee
RCO	Reserve Capacity Obligation
REC	Renewable Energy Credit
RES	Renewable Energy Standards
RGGI	Regional Greenhouse Gas Initiative
RIM	Rate Impact Metrics
RMA	Resource Management Area
RPS	Renewable Portfolio Standards
RRO	Regional Reliability Organization
RT	real time
RTGs	regional transmission groups
RTO	Regional Transmission Organization
RWACC	real weighted average cost of capital

## S

SARA	Species At Risk Act
SCCT	simple cycle combustion turbine
SCGT	simple cycle gas turbine
SD	sustainable development
SEA	Strategic Energy Assessment
SMD	Standard Market Design
SO <sub>2</sub>	sulfur dioxide
SPLASH	Simulation Program for Long-term Analysis of System Hydraulics

SPP	Southwest Power Pool
SRC	Societal Cost
SSE	Supply Side Enhancement
SSEA	Site Selection and Environmental Assessment
SSP	Southwest Power Pool

**T**

TCN	Tataskweyak Cree Nation
TEMT	Transmission, Energy and Operating Reserve Market Tariff
TOR	terms of reference
TRC	Total Resource Cost
TWh	Terawatt hour

**U**

U.S.	United States
UNFCCC	United Nations Framework Convention on Climate Change

**V**

VCA	Voluntary Capacity Auction
VEC	Valued Environmental Component

**W**

WACC	Weighted Average Cost of Capital
WCI	Western Climate Initiative
WLFN	War Lake First Nation
WPPI	Wind Power Production Incentive
WPS	Wisconsin Public Service
WPSC	Wisconsin Public Service Corporation
WUMS	Wisconsin-Upper Michigan System

**Y**

YFFN	York Factory First Nation
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