

A. ACRONYMS

These acronyms clarify the terms and concepts used throughout this Integrated Resource Plan.

ACE	Affordable Clean Energy
ACP	Alternate Compliance Payments
AGC	Automatic Generator Control
BA	Balancing Authority
BCIS	Blockchain Interruptible Service
BES	Bulk Electric System
BESS	Battery Energy Storage System
Btu	British Thermal Unit
CAA	Consolidated Appropriations Act of 2016
CAISO	California Independent System Operator
CCUS	Carbon Capture, Utilization, And Storage
CDD	Cooling Degree Days
CDH	Cooling Degree Hours
CLEAN	Climate Leadership and Environmental Action for our Nation
CO ₂	Carbon Dioxide
CPCN	Certificates of Public Convenience and Necessity
CPGS	Cheyenne Prairie Generating Station
CRISP	Cybersecurity Risk Information Sharing Program
CT	Combustion Turbine
DOE	Department of Energy

DR	Demand Response
DSIP	Distribution System Integrity Program
DSM	Demand-Side Management
E3	Energy + Environmental Economics
EI	Edison Electric Institute
EIA	Energy Information Administration
EPA	Environmental Protection Agency
ERO	Electric Reliability Organization
EV	Electric vehicle
FERC	Federal Energy Regulatory Commission
FIP	Federal Implementation Plan
GDPM	Generation Dispatch and Power Marketing
GHG	Greenhouse Gas
HAPG	Hitachi ABB Power Grids
HDD	Heating Degree Days
HDH	Heating Degree Hours
HRS	Heat Recovery Steam Generator
HVAC	Heating, Ventilation, and Air Conditioning
ICS	Corporate and Industrial Control System
IEEE	Institute of Electrical and Electronics Engineers
IRP	Integrated Resource Plan
ISO	Independent System Operator
ITC	Investment Tax Credit
kW	Kilowatt
kWh	Kilowatt Hours
LiDAR	Light Detection and Ranging
LNG	Liquefied Natural Gas
LPCS	Large Power Contract Service
LTP	Local Transmission Plan
MAPP	Mid-Continent Area Power Pool
MDU	Montana-Dakota Utilities
MDWQ	Maximum Daily Withdrawal Quantity
MEAN	Municipal Energy Agency of Nebraska
MMBtu	One Million Btu
MW	Megawatt
MWh	Megawatt Hour
NDC	Nationally Determined Contribution

NEPA	National Environmental Policy Act
NERC	North American Electric Reliability Corporation
NO _x	Nitrogen Oxide
NWPP	Northwest Power Pool
O&M	Operations And Maintenance
OASIS	Open Access Same-Time Information System
OATT	Open Access Transmission Tariff
OSHA	Occupational Safety and Health Administration
PATH	Protecting Americans from Tax Hikes Act of 2015
PLM	Project Lifecycle Management
PMI	Project Management Institute
PPA	Power Purchase Agreement
PRPA	Platte River Power Authority
PSCO	Public Service Company of Colorado
PTC	Production Tax Credit
PV	Photovoltaic
PVRR	Present Value Revenue Requirement
RAC	Reliability Assessment Committee
RTO	Regional Transmission Organization
SCALE	Storing CO ₂ and Lowering Emissions
SCR	Selective Catalytic Reactors
SO ₂	Sulfur Dioxide
SPP	Southwest Power Pool
SSCGP	Southern Star Central Gas Pipeline
T&ES	Transmission and Engineering Services
TCPC	Transmission Coordination and Planning Committee
TSA	Transmission Service Agreement
UNFCCC	United Nations Framework Convention on Climate Change
VER	Variable Energy Resource
WACM	Western Area Power Administration, Colorado Missouri
WAPA	Western Area Power Administration
WAPA-LAP	WAPA Loveland Area Project
WECC	Western Electricity Coordinating Council
WEIM	Western Energy Imbalance Market
WEIS	Western Energy Imbalance Service
WJDA	Western Joint Dispatch Agreement