

Appendix O Abbreviations and Acronyms

O.1 Overview

This appendix presents acronyms for agencies and other entities, facilities and locations, electric industry terms, miscellany, and units of measure.

O.2 Agencies and Other Entities

APS	Arizona Public Service Company
BPA	Bonnerville Power Administration
BOS	Bureau of Sanitation
CAISO	California Independent System Operator
CARB	California Air Resources Board
CEC	California Energy Commission
City	City of Los Angeles
CPUC	California Public Utilities Commission
DOD	U.S. Department of Defense
DOE	U. S. Department of Energy
EPA	U. S. Environmental Protection Agency
EPRI	Electric Power Research Institute
FERC	Federal Energy Regulatory Commission
FSO	LADWP Financial Services Organization
IID	Imperial Irrigation District
IOU	California investor owned utilities
IPA	Intermountain Power Agency
IPCC	Intergovernmental Panel on Climate Change
IPCC	Intermountain Power Project Coordinating Committee
ISDA	International Swaps and Derivatives Association
JPL	NASA Jet Propulsion Laboratory
LADWP	Los Angeles Department of Water and Power
NAESB	North American Energy Standards Board
NASA	National Aeronautic Space Administration
NERC	North American Electric Reliability Corporation
NPC	Nevada Power Company
NREL	National Renewable Energy Laboratory
PG&E	Pacific Gas and Electric Company
PwC	PriceWaterhouse Coopers
RTO	Regional Transmission Organization
RWQCB	Regional Water Quality Control Board
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
SCPPA	Southern California Public Power Agency
SoCal	Southern California Gas Company
SRP	Salt River Project

SWRCB	State Water Resources Control Board
TEC	Tucson Electric Company
UCLA	University of California at Los Angeles
UCSD	University of California at San Diego
USC	University of Southern California
WAPA	Western Area Power Administration
WECC	Western Electricity Coordinating Council

O.3 Facilities and Locations

BPA	Bonnerville Power Administration
BBRTP	Barren Ridge Renewable Transmission Project
BRSS	Barren Ridge Switching Station
COB	California-Oregon Border
COI	California-Oregon Intertie
EOR	East-of-the-River
HSS	Haskell Switching Station
IGS	Intermountain Generating Station
IPP	Intermountain Power Project
NOB	Nevada-Oregon Border
NTS	Northern Transmission System
PACI	Pacific AC Intertie
PDCI	Pacific High Voltage Direct Current Intertie
PTWPP	Pine Tree Wind Power Project
PVD2	Palo Verde-Devers Line No. 2
PVNGS	Palo Verde Nuclear Generating Station
SHARE	Scattergood-Hyperion Alternative Renewable Energy Project
SRP	Salt River Project
STS	Southern Transmission System
UGPP	Upper Gorge Power Plant
US	United States
WREZ	Western Renewable Energy Zone
WOR	West-of-the-River
WSPP	Western Systems Power Pool

O.4 Electric Industry Terms

A/C	air conditioning
AC	Alternating Current
AEDP	Advanced ESS Demonstration Project
AMI	Advanced Metering Infrastructure
AQMP	Air Quality Management Plan
BACT	Best Available Control Technology
BIGCC	Biomass Integrated Gasification Combined Cycle
BPJ	Best Professional Judgment

CAES	compressed air energy storage
CAMR	Clean Air Mercury Rule
CAP	Climate Action Plan
CCC	closed cycle cooling
CH ₄	methane
CHP	combined heat and power
CLEO	Commerical Lighting Efficiency Offer
CNG	compressed natural gas
CLFR	compact linear frenal reflector
CO ₂	carbon dioxide
CSP	concentrating solar thermal power plants
CY	calendar year
DC	Direct Current
DC&M	Distribution Construction and Maintenance
DG	distributed generation
DNI	direct normal insolation
DR	Demand Response
DSM	Demand Side Management
E&L	Environment and Lands
ECAF	Energy Cost Adjustment Factor
EDS	Energy Dissipation Station
EE	Energy Efficiency
EHV	Extra-High Voltage
ESPs	energy service providers
ESS	energy storage system
ETD	Electric Trouble Dispatch
FAR	Firm Access Rights
FES	flywheel energy storage
GHG	greenhouse gas
GHGs	greenhouse gases
GREEN	Green Power for Green LA Program
GWP	global warming potential
HHV	higher heating value
HRSG	heat recovery steam generator
HVAC	heating, ventilating, and air conditioning
ICEs	internal combustion engines
IGCC	integrated gasification combined cycle
IM	impingement mortality
LCOE	levelized cost of energy
LF	Load Factor
LFG	landfill gas
LNG	liquefied natural gas.
LPG	propane
LSE	loadserving entities
NaS	sodium-sulfur
NEL	Net Energy for Load

N ₂ O	nitrous oxide
NO ₂	nitrogen dioxide
NO _x	oxides of nitrogen
NPDES	National Pollutant Discharge Elimination System
NPHR	net plant heat rate
O&M	operations and maintenance
OASIS	open-access same-time information systems
OATTS	open-access transmission tariffs
OTC	once-through cooling
PFCs	perfluorocarbons
PHEV	plug-in hybrid electric vehicle
PHS	pumped-hydro storage
PMU	power measurement units
POUs	publicly-owned electric utilities
PTC	production tax credit
PV	photovoltaic
QRAs	Qualified Resource Areas
RASS	Residential Appliance Saturation Survey
RECLAIM	Regional Clean Air Incentive Market
RETI	Renewable Energy Transmission Initiative
RPS	Renewable Portfolio Standard
RS	receiving station
RTCs	RECLAIM Trading Credits
Rule	Cooling Water Intake Structure Rule
SAIDI	System Average Interruption Duration Index
SAIFI	System Average Interruption Frequency Index
SAS	Substation Automation System
SCADA	supervisory control and data acquisition
SEC	Standard Energy Credit
SES	super capacitor energy storage
SF ₆	sulfur hexafluoride
SMES	Superconducting Magnetic Energy Storage
SNCR	selective non-catalytic reduction
SO _x	sulfur oxide
T&T	transmission and delivery
UES	ultra capacitor energy storage
VRB	Vanadium Redox Battery
WEC	Wave Energy Converter
XRT	experimental demand response contract
ZITA	Zone Identification and Technical Analysis
ZNE	Zero Net Energy

O.5

Miscellany

A	Category of Flow Meter
AB	Assembly Bill
AMR	Automatic Meter reading
CFL	compact fluorescent light
CI	commercial/industrial
CIS	Customer Information System
CS	Customer Service
CSA	Candidate Study Aras
ECC	Energy Contract Center
EIR	Environmental Impact Report
F	Category of flow meter
FM	Category of flow meter
GDP	gross domestic product
JFB	John Ferraro Building
LED	light-emitting diode
MFR	multi-family residence
NLC	net levelized cost
OH	overhead
QRAs	Qualified Resource Areas
RF	Radio Frequency
RFP	Request for Proposal
SB	Senate Bill
SBDI	Small Business Direct Install
SFR	single family residence
UG	Underground

O.6

Units of Measure

BTU	British thermal unit
GWh	gigawatt-hour
kV	kilovolt
kW	kilowatts
MMBtu	Million British thermal units
MMT	million metric tons
MMTCO ₂ E	million metric ton CO ₂ equivalent
MVA	mega volt amperes
MW	megawatt
MWhs	megawatt hours
TWh	terawatt hour