

### 8.0 AVENAL ACRONYMS

AA	Administering Agency
AB	Assembly Bill (California)
AC	alternating current
ACC	air cooled condenser
ACSR	aluminum conductor steel reinforced
ADT	average daily traffic
AERMOD	EPA-preferred air dispersion model for AQIA
AFBC	atmospheric fluidized bed combustion
AF	acre foot (325,900 gallons)
AFC	Application for Certification
AFY	acre-feet per year
AGPP	Avenal General Plan Page No.
AMC	Avenal Municipal Code
APCD	Air Pollution Control District
APCO	Air Pollution Control Officer
AQIA	Air Quality Impact Analysis
AQMD	Air Quality Management District
ARB	Air Resources Board
ASTM	American Society for Testing and Materials
ATCM	Air Toxics Control Measure
BAAQMD	Bay Area Air Quality Management District
BACT	Best Available Control Technology
BMP	Best Management Practices
BNSF	Burlington Northern and Santa Fe
BOP	Balance of the Plant
BPA	Bonneville Power Administration
BPA Program	Bonneville Power Administration Corona and Field Effects Program
BPIP	Building Profile Input Program
Btu	British thermal unit
BWR	boiling water reactors
CAISO	California Independent System Operator
Cal-ARP	California Accidental Release Prevention
Cal-EPA	California Environmental Protection Agency
Cal-OSHA	California Occupational Safety and Health Administration
Caltrans	California Department of Transportation
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CAS	Chemical Abstract Service
CATEF	California Air Toxic Emission Factor
CBC	California Building Code
CBO	Chief Building Official
CCR	California Code of Regulations
CDC	California Department of Conservation
CDFG	California Department of Fish and Game

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CDMG	California Division of Mines and Geology
CEC	California Energy Commission (also referred to as "Commission")
CEDD	California Employment Development Department
CEMS	Continuous Emissions Monitoring System
CEPA	California Environmental Protection Agency
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Cleanup and Liability Act
CFR	Code of Federal Regulations
CHP	California Highway Patrol
CIWMB	California Integrated Waste Management Board
CCW	closed-loop cooling water
cm	centimeter
CNDDDB	California Natural Diversity Database
CNEL	Community Noise Equivalent Level
CNPS	California Native Plant Society
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
COD	commercial operating date
Commission	California Energy Commission
CPUC	California Public Utility Commission
CRHR	California Register of Historic Resources
CSBOE	California State Board of Equalization
CTG	combustion turbine generator
CUF	Capacity Utilization Factor
CUP	Conditional Use Permit
CVP	Central Valley Project
CWA	Clean Water Act
CWMI	Chemical Waste Management, Inc.
dB	decibel
dBA	A-Weighted Sound Level
DC	direct current
DCS	Distributed Control System
DEM	digital elevation map
DFG	Department of Fish and Game
DLN	dry, low NO <sub>x</sub>
DOT	Department of Transportation
DPM	diesel particulate matter
DTSC	Department of Toxic Substances Control
DWR	Department of Water Resources
EAF	Equivalent Availability Factor
EDI	electro-deionization
EDTA	ethylene diamine tetraacetic acid
EIR	Environmental Impact Report
EMF	electromagnetic field
EPC	engineering, procurement and construction
EPRI	Electric Power Research Institute

ERPG	Emergency Response Planning Guide
ERPG-2	Emergency Response Planning Guide - Level 2
ESA	Endangered Species Act
ESA	Environmental Site Assessment
F	degree(s) Fahrenheit
FEMA	Federal Emergency Management Agency
ft	feet
FLM	Federal Land Manager
g	gram
g/sec	grams per second
GE	General Electric
GEP	good engineering practice
gpd	gallons per day
gpm	gallons per minute
GTG	gas turbine generator
H <sub>2</sub> S	hydrogen sulfide
H&SC	Health & Safety Code
HAPs	hazardous air pollutants
HARP	ARB's health risk assessment model (Hotspot Analysis and Reporting Program)
HDPE	high density polyethylene
Hg	mercury
HgA	inches of mercury absolute
HHV	higher heating value
HP	high pressure
HRA	Health Risk Assessment
HRSG	heat recovery steam generator
HTW	high-temperature water
HVAC	heating, ventilation and air conditioning
Hz	Hertz
IBEW	International Brotherhood of Electrical Workers
IGCC	integrated gasification combined-cycle
IIPP	Injury and Illness Prevention Program
IP	intermediate-pressure
ISCST3	Industrial Source Complex Short Term Version 3
KART	Kings Area Rural Transit
KCAG	Kings County Association of Governments
kcMil	1,000 circular mils
KCSD	Kings County Sheriff Department
km	Kilometer
KOPs	key observation points
kV	kilovolt
kV/m	kilovolts per meter
kW	kilowatt
LAER	Lowest Achievable Emission Rate
lbs	pounds
Lbs/MMscf	pounds per million standard cubic feet

L <sub>DN</sub>	Day-Night Noise Level
LEA	Local Enforcement Agency
L <sub>EQ</sub>	equivalent noise level
LHV	lower heating value
L <sub>max</sub>	maximum noise level
L <sub>min</sub>	minimum noise level
LNG	liquid natural gas
LORS	Laws, Ordinances, Regulations and Standards
LOS	level of service
LP	low pressure
L <sub>p</sub>	power levels
LSA	LSA Associates, Inc.
M	magnitude (earthquakes of)
m/sec	meters per second
MCC	motor control center
MCE	maximum credible earthquake
mG	milligauss
mg/L	milligrams per liter
mm	millimeters
MM	million (10 <sup>6</sup> )
M <sub>max</sub>	maximum earthquake magnitude
MMBtu	million British thermal units
MMcfd	million cubic feet per day
mph	miles per hour
MSDS	material safety data sheet
MSW	municipal solid waste
MW	megawatt
NA	not applicable
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NAS	Naval Air Station
NDDB	Natural Diversity Data Base (California)
NERC	North American Electric Reliability Corporation
NESHAP	National Emission Standards for Hazardous Air Pollutants
NFPA	National Fire Protection Association
NH <sub>3</sub>	aqueous ammonia
NIOSH	National Institute of Occupational Safety and Health
NO	nitric oxide
NO <sub>2</sub>	nitrogen dioxide
NO <sub>x</sub>	oxides of nitrogen
NOI	Notice of Intent
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historical Places
NSPS	New Source Performance Standards
NSR	New Source Review

O&M	operation and maintenance
O <sub>2</sub>	oxygen
O <sub>3</sub>	ozone
OEHHA	Office of Environmental Health Hazard Assessment
OES	California Office Emergency Services
OSHA	Occupational Safety and Health Administration
PAH	polycyclic aromatic hydrocarbons
Pb	lead
PCB	polychlorinated biphenols
PEC	Panoche Energy Center
PFBC	pressurized fluidized bed combustion
PG&E	Pacific Gas & Electric
PM <sub>2.5</sub>	particulate matter w/aerodynamic diameter less than or equal to 2.5 microns
PM <sub>10</sub>	particulate matter less than or equal to 10 microns in diameter
POC	precursor organic compounds
ppm	parts per million
ppmvd	parts per million by volume dry
PRC	Public Resources Code
PRIMMP	Paleontological Resource Impact Monitoring and Mitigation Program
Project	Avenal Energy Project
PSD	Prevention of Significant Deterioration
PSV	pressure safety valve
PWL	power levels
PWR	pressurized water reactors
PVMRM	Plume Volume Molar Ratio Method
RACT	Reasonably Available Control Technology
RCRA	Resource Conservation and Recovery Act
RMP	Risk Management Plan
ROC	reactive organic compounds
ROG	reactive organic gases
ROW	right-of-way
RTP	Regional Transportation Plan
RWQCB	Regional Water Quality Control Board
SARA	Superfund Amendments and Reauthorization Act
scf	standard cubic foot
SCR	selective catalytic reduction
SCREEN3	air dispersion model for fumigation
SCS	Soil Conservation Service
SHRA	screening health risk assessment
SIP	State Implementation Plan
SIS	System Impact Study
Site	Avenal Energy Site (148 acres)
SJVRP	San Joaquin Valley Recovery Plan
SJVRR	San Joaquin Valley Railroad
SJVAPCD	San Joaquin Valley Air Pollution Control District
SMAQMD	Sacramento Metropolitan Air Quality Management District

SO <sub>2</sub>	sulfur dioxide
SO <sub>4</sub>	sulfates
SPCC	Spill Prevention, Control and Countermeasure
SPL	sound pressure level
SPEL	Short-Term Public Emergency Limit
SPPE	Small Power Plant Exemption
sq. ft.	square feet
SR	state route
STG	steam turbine generator
STPEL	Short-Term Public Emergency Limit
SVP	Society for Vertebrate Paleontology
SWIS	Solid Waste Information System
SWP	State Water Project
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	Toxic Air Contaminant
TDS	total dissolved solids
tpy	tons per year
TSP	total suspended particulates
TSS	total suspended solids
TWA	time weighted average
UBC	Uniform Building Code
UCMP	University of California Museum of Paleontology
µg/m <sup>3</sup>	micrograms per cubic meter
USBR	United States Bureau of Reclamation
uS/cm	microsiemens per centimeter
USBR	United States Bureau of Reclamation
USDA	United States Department of Agriculture
USGS	United States Geological Survey
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
UTM	Universal Transverse Mercator Projection
V	voltage
V/m	volts per meter
VOC	volatile organic compound
yr	year (8,760 hours)
ZLDF	zero liquid discharge facility