

TABLE OF CONTENTS

8.0	GLOSSARY AND LIST OF ACRONYMS.....	8-1
8.1	GLOSSARY	8-1
8.2	LIST OF ACRONYMS	8-4

8.0 GLOSSARY AND LIST OF ACRONYMS

8.1 GLOSSARY

Ambient

Air Any unconfined portion of the atmosphere; the outside air.

Aluminum Conductor Steel Reinforced

This type of conductor has aluminum strands wrapped around a stranded steel core. The steel "reinforces" the conductor because it is much stronger

Ambient Air Quality Standard

A federal and state measure of the level of air contamination that is not to be exceeded in order to protect human health.

Assessor Parcel Number

Given to a parcel, or a specified area, of land by the County tax assessor.

Capacity

The power ability of electrical equipment measured in watts.

Control Area

A portion of the interconnected electricity system grid whose operations and procedures are controlled and managed by a single utility. This utility typically owns most of the facilities in its control area and is responsible for the physical interaction with neighboring control areas.

Demand Side Management

Influencing the level of demand for electricity, e.g., through conservation programs and education related to home insulation, energy efficient appliances, etc.

Exports

The sale of electricity by a utility to another utility outside its electric system.

Firm Purchases

Contractual procurement of electric energy that is intended to have assured availability to the customer.

Generation

The production of electricity from other forms of energy such as combustion, falling water, or thermal transfer.

Generation Capacity

Maximum electric production limit for which a generator is rated. The maximum limit fluctuates with changes in temperature or other environmental circumstances, depending on the type of machine.

Gigawatt-hours

A measure of electric energy. One million kilowatt-hours.

Hydro-axe

A hydro-axe is a large lawnmower-like machine that cuts brush and vegetation down to about 6 inches above the ground, leaving the root systems intact for regrowth. This machine would be used where needed to provide construction equipment and vehicle access to the tower sites.

Import Capability

The capacity or extent to which a utility or electric control area can purchase electric power from outside its electric system at a given time or during a given set of conditions using all available facilities.

Imports

The purchase of electricity by a utility from another utility outside its electric system.

kcmil

Cable cross section area of in thousands of circular mils

Kilovolt

A measure of electric voltage, one thousand volts. Household current is supplied at 120 volts.

Load Centers

Major areas of electricity consumption such as large cities or large industrial facilities.

Megawatt

A measure of alternating current electric power that performs work. one thousand kilowatts or one million watts. A standard light bulb is 60 to 1 00 watts. Native Generation
Electricity generation within a utility service area.

Native Load

Traditional customers served within a utility service area.

Nitric Oxide

A molecule of one nitrogen and one oxygen atom. Results usually from combustion of organic substances containing nitrogen and from recombination of nitrogen decomposed in air during high temperature combustion; poisonous and highly reactive gasses produced when fuel is burned at high temperatures, causing nitrogen in the air to combine with oxygen.

Nitrogen Dioxide

A molecule of one nitrogen and two oxygen atoms. Results usually from further oxidation of nitric oxide (NO) in the atmosphere. Ozone accelerates to conversion.

Non-firm Purchases

Electric energy purchases having limited or no assured availability.

Non-utility Owned Generation

Generation that is possessed by an entity not in the business for the sale of electricity to retail customers.

Ozone

A colorless gas formed by a complex series of chemical and photochemical reaction of reactive organic gasses, principally hydrocarbons, with the oxides of nitrogen, which is harmful to the public health, the biota, and some materials; a molecule of three oxygen atoms—O₃. A principle component of 'oxidant' in photochemically polluted atmospheres.

Particulate Matter (particles)

Very fine sized solid matter or droplets, typically averaging one micron or smaller in diameter. Also called "aerosol."

Parts Per Billion

A measure of the amount of one substance in a second, which is the carrier.

Parts Per Million

A measure of the amount of one substance found in a carrier.

Photochemical Pollutant

Reactive organic compounds (ROC) and nitrogen oxides (NO_x), photochemical pollutants that absorb energy from the sun and react chemically to form ozone (O₃).

PM¹⁰

Particulate matter less than 10 micron in size, which is small enough to be inhaled deeply into the lungs and cause disease.

Power

The time rate of transferring energy (expressed in watts).

Right-of-Way

An easement, lease, permit, or license across an area or strip of land to allow access or to allow utility to pass through public or private lands.

Riparian

Area along the banks of a river or lake supporting specialized plant and animal species.

Sensitive Receptor

Land uses adjacent to or within proximity to the Proposed Project that could be impacted by the construction, operation, and maintenance activities.

Sulfur Oxides

The group of compounds formed during combustion or thereafter in the atmosphere of sulfur compounds in the fuel, each having various levels of oxidation, ranging from two oxygen atoms for each sulfur to four oxygen atoms.

Total Suspended Particulates

Solid or liquid particles small enough to remain suspended ion air. PM¹⁰ is the portion of TSP that can be inhaled.

Utility Corridor

A linear corridor usually designated for facilities such as power lines, pipelines, fiber-optic cables, roads etc.

Wetland

Lands traditional between obviously upland and aquatic environments. Wetlands are generally highly productive environments with abundant fish, wildlife, esthetic, and natural resource values. For this reason, coupled with the alarming rate of their destruction, they are considered valuable resources, and several regulations and laws have been implemented to protect them

Wheeling

An electric operation wherein transmission facilities of one system are utilized to transmit power of another system. Power can be wheeled in, through, or out of a system

8.2 LIST OF ACRONYMS

4WD	Four-Wheel Drive
ACEC	Area of Critical Environmental Concern
ACHP	Advisory Council on Historic Preservation
af	Acre Feet
ALUC	Airport Land Use Commission
AMS	Accelerator Mass Spectrometer
A-P Act	Alquist-Priolo Earthquake Fault Zoning Act
APLIC	Avian Powerline Interaction Committee
BEP	Blythe Energy Project
BIA	Bureau of Indian Affairs
BLM	U.S. Bureau of Land Management
BMP	Best Management Practices
BOR	U.S. Bureau of Reclamation
BPA	Bonneville Power Administration

Bureau of Census	United States Bureau of Census
C-AMA/CAMA	California-Arizona Maneuver Area
CAA	Federal Clean Air Act
CAAA	Clean Air Act Amendments
CAAQS	California Ambient Air Quality Standards
Caltrans	California Department of Transportation
CARB	California Air Resources Board
CBC	California Building Code
CCAA	California Clean Air Act
CCR	Code of California Regulations
CDC	California Department of Correction
CDCA	California Desert Conservation Area
CDF	California Department of Forestry and Fire Protection
CDFG	California Department of Fish and Game
CDNPA	California Desert Native Plants Act
CDPA	California Desert Protection Act
CDPR	California Department of Parks and Recreation
CEC	California Energy Commission
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CESA	California Endangered Species Act
CFR	U.S. Code of Federal Regulation
CHP	California Highway Patrol
CLUP	Comprehensive Land Use Plan

CMAGR	Chocolate Mountain Aerial Gunnery Range
CNDDDB	California Natural Diversity Database
CNEL	Community Noise Equivalent Level
CNPS	California Native Plant Society
CO	Carbon Monoxide
COE	United States Army Corps of Engineers
COM	Construction, Operation, and Monitoring
CRHP	California Register of Historic Places
CRHR	California Register of Historical Resources
CSLC	California State Lands Commission
CVAG	Coachella Valley Association of Governments
CVPA	CDCA Plan Amendment for the Coachella Valley
CVWD	Coachella Valley Water District
CWA	Clean Water Act
CWQCB	California Water Quality Control Board
dB	Decibel
dBA	A-weighted decibel
dBC	C-weighted-decibel
DC	Direct current
DOD	Department of Defense
DOF	Department of Finance
DTC	Desert Training Center
DRGP	Draft Count of Riverside General Plan
DWMA	Desert Wildlife Management Area
DWR	California Department of Water Resources

EDAPCD	El Dorado County Air Pollution Control District
EDD	Employment Development Department
EIS/EIR	Environmental Impact Statement/Environmental Impact Report
EMF	Electric and Magnetic Fields
ESA	Endangered Species Act
FAA	Federal Aviation Administration
FESA	Federal Endangered Species Act
FLPMA	Federal Land Policy and Management Act
FPRP	Fire Prevention and Response Plan
FWS	Fish and Wildlife Service
Greystone	Greystone Environmental Consultants, Inc.
HCP	Habitat Conservation Plan
Hz	Hertz
I-10	Interstate 10
ICAPCD	Imperial County Air Pollution Control District
ICFD	Imperial County Fire Department
IID	Imperial Irrigation District
IGP	Imperial County General Plan
ISTEA	Intermodal Surface Transportation Efficiency Act
ITAs	Indian Trust Assets
km	Kilometers
KOP	Key Observation Point
kVm	Kilovolts per meter
L _{eq}	Equivalent noise level
LOS	Level of Service

LTVA	Long-Term Visitor Areas
mb	Body-Wave Magnitude
MCE	Maximum Credible Earthquake
MDAB	Mojave Desert Air Basin
MDAQMD	Mojave Desert Air Quality Management District
MFP	Management Framework Plan
mG	Milligauss
M _L	Local Magnitude
MME	Maximum Magnitude Earthquake
MMI	Modified Mercalli Intensity
MPE	Maximum Probable Earthquake
mph	Miles per hour
Ms	Surface-Wave Magnitude
MSDS	Materials Safety Data Sheets
MSHCP	Multiple Species Habitat Conservation Plan
msl	Mean Sea Level
MUC	Multiple Use Classifications
MUTCD	Manual on Uniform Traffic Control Devices
MW	Megawatt
M _w	Movement Magnatude
MWD	Metropolitan Water District of Southern California
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NBP	North Baja Pipeline Project
NECO	Northern and Eastern Colorado

NEPA	National Environmental Policy Act
NESC	National Electric Safety Code
NHPA	National Historical Preservation Act
NMFS	National Marine Fisheries Service
NO ₂	Nitrogen Dioxide
NOI	Notice of Intent
NOP	Notice of Preparation
NPDES	National Pollutant Discharge Elimination System
NPPA	Native Plant Protection Act
NPS	National Park Service
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NWR	National Wildlife Refuge
OSHA	Occupational Safety and Health Act
OHV	Off-Highway Vehicle
OPGW	Optic Ground Wire
ORV	Off-road Vehicle
Plan	Northern and Eastern Colorado Desert Coordinated Management Plan
PCBs	Polychlorinated biphenyls
PGA	Peak Ground Acceleration
PM	Particulate Matter
RCCGP	Riverside County Comprehensive General Plan
RCFD	Riverside County Fire Department
RCRA	Resource Conservation and Recovery Act
RMP	Resource Management Plan

ROC	Reactive Organic Compound
RPLI	Regional Paleontologic Locality Inventory
RWQCB	Regional Water Quality Control Board
SARA	Superfund Amendments and Reauthorization Act
SBCM	San Bernardino County Museum
SCADA	System Control and Data Acquisition
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison Company
SHPO	State Historic Preservation Office
SO ₂	Sulfur Dioxide
SoCalGas	Southern California Gas Company
SPRR	Southern Pacific Railroad
SR	State Route
SWPPP	Storm Water Pollution Prevention Plan
TCP	Traditional Cultural Property
TDS	Total dissolved solids
UBC	Uniform Building Code
UGA	Geographic Unit of Analysis
UHF	Ultra High Frequency
UPRR	Union Pacific Railroad
U.S.	United States
U.S. DOT	United States Department of Transportation
U.S. EPA	U.S Environmental Protection Agency
USC	United States Code

USDA	U.S. Department of Agriculture
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
V/m	Volts per meter
VOC	Volatile Organic Compound
VRM	Visual Resource Management
WECC	Western Energy Coordinating Council
Western	Western Area Power Administration
WHMA	Wildlife Habitat Management Area
WRCC	Western Regional Climate Center
WSA	Wilderness Study Area
WWII	World War II

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