

H. Glossary/Acronyms

H.1 Glossary of Terms

Alternating current. An electric current that reverses direction in a circuit at regular intervals.

Ambient. Surrounding on all sides.

Baseflow. Groundwater seepage into a stream channel.

Ampere. A unit of electric current in the meter-kilogram-second system.

Bar. Accumulations of bed material (in a stream or river) positioned successfully downstream on the opposite side of the channel.

Baseline. A set of existing conditions against which change is to be described and measured.

Circuit. An electrical device that provides a path for electrical current to flow.

Conductor. A substance or medium (wire) that conducts an electrical charge.

Current. The amount of electric charge flowing past a specified circuit point per unit time.

Decibel. A unit used to express relative difference in power or intensity, usually between two acoustic or electric signals. The A-weighted decibel scale (dBA) represents the relative insensitivity of the human ear to low-pitched sounds; decibels are logarithmic units that compare the wide range of sound intensities to which the human ear is sensitive.

Dielectric. A material such as glass or porcelain with negligible electrical or thermal conductivity. A dielectric is an electrical insulator that is highly resistant to flow of electrical current.

Direct current. An electrical current flowing in one direction only.

Ephemeral stream. A stream or reach of a channel that flows only in direct response to precipitation in the immediate locality and is at all times above the saturation zone.

Hertz. A unit of frequency equal to one cycle per second.

Hoop strength. A physical property that describes the ability of a tube to withstand internal pressure, bending forces, and crushing forces.

Hydrologic cycle. The hydrologic cycle refers to the continuous exchange of water between atmosphere, land, surface and subsurface waters, and organisms.

Insulator. A material such as glass or porcelain with negligible electrical or thermal conductivity.

Kilohertz. A unit of alternating current or electromagnetic wave frequency equal to one thousand hertz (1,000 Hz).

Kilovolt (kV). A unit of electromotive force equal to 1,000 volts.

Kilowatt. A unit of power equal to 1,000 watts.

Megawatt (MW). A unit of power equal to one million watts.

Polyethylene. A lightweight thermoplastic.

Pool. Deep zones (in a stream or river) located directly opposite from bars.

Remedial Action Scheme (RAS). A protection system, or plan of action, which automatically initiates one or more remedial actions to ensure transmission system reliability. Also called Special Protection System (SPS).

Riffle. Shallow zones (in a stream or river) between pools.

Right-of-way (ROW). The strip of land over which facilities such as power lines are built.

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

Saturation zone. Area of ground with ground water: the zone below the water table that is saturated with ground water.

Seismicity. The relative frequency and distribution of earthquakes.

Special Protection Scheme (SPS). A protection system, or plan of action, which automatically initiates one or more remedial actions to ensure transmission system reliability. Also called Remedial Action Scheme (RAS).

Substation. A subsidiary station where electricity is transformed for distribution by a low-voltage network.

Substrate. Geologic term describing soil or geologic layers underlying the ground surface.

Terrestrial. Related to or living on land. Terrestrial biology deals with upland areas as opposed to shorelines or coastal habitats.

Tributary. A stream that flows into a larger stream or other body of water.

Voltage. The rate at which energy is drawn from a source that produces a flow of electricity in a circuit, expressed in volts.

Watershed. The area contained within a drainage divide above a specified point on a stream.

Williamson Act. Also California Land Conservation Act of 1965.

H.2 Acronyms

2B

Two-conductor bundled

A

Amperes

AA DT

Annual Average Daily Traffic

AAQS

Ambient Air Quality Standards

AC

Alternating Current

ACEC

Area of Critical Environmental Concern

ACI

American Concrete Institute

ACSR

Aluminum Conductor Steel Reinforced

ADT

Average daily traffic/trips

AHM

Acutely Hazardous Material

AISC

American Institute of Steel Construction

AMNH

American Museum of Natural History

ANSI

American National Standards Institute

APA

Administrative Procedures Act

APCD

Air Pollution Control District

APE

Area of potential effect

APEFZ

Alquist-Priolo Earthquake Fault Zone

API

American Petroleum Institute

APM

Applicant-Proposed Measure

AQMD

Air Quality Management District

AQMP

Air Quality Management Plans

AQRV

Air Quality-Related Values

ARB

Air Resources Board

ARP

Accidental Release Plan

ASCE

American Society of Civil Engineers

ASI

Archaeological Sensitivity Index

ASL or asl

Above sea level

ASME

American Society of Mechanical Engineers

ASTM

American Society for Testing Materials

AVAQMD

Antelope Valley Air Quality Management District

AVUHSD

Antelope Valley Union High School District

AVTA

Antelope Valley Transit Authority

AWG

American Wire Gauge

AWS

American Welding Society

BLM

Bureau of Land Management

BMP

Best Management Practices

BPA

Bonneville Power Administration

CAA

Clean Air Act (Federal)

CAAQS

California Ambient Air Quality Standards

CAISO

California Independent System Operator

CalARP

California Accidental Release Prevention (Program)

Cal-EPA

California Environmental Protection Agency

CalOSHA

California Occupational Safety and Health Administration

CAR

Center for Archaeological Research

CARB

California Air Resources Board

CBC

California Building Code

CCAA

California Clean Air Act

CCR

California Code of Regulations

CDE

California Department of Education

CDFG

California Department of Fish and Game

CDMG

California Division of Mines and Geology

CDOC

California Department of Conservation

CDOG

California Division of Oil and Gas

CEC California Energy Commission	CO Carbon monoxide
CEQA California Environmental Quality Act	CO2 Carbon dioxide
CERCLA Comprehensive Environmental Response, Compensation and Liability Act (“Superfund”)	COE Corps of Engineers, U.S. Army (see also USACE and USACOE)
CFM Cubic feet per minute	CPCN Certificate of Public Convenience and Necessity
CFR Code of Federal Regulations	CPUC California Public Utilities Commission
CFS Cubic feet per second	CRHR California Register of Historic Resources
CGS California Geographical Survey	CSUB California State University, Bakersfield
CGTL Compressed Gas Insulated Transmission Lines	CSUF California State University, Fullerton
CHP California Highway Patrol	CWA Clean Water Act
CHRIS California Historical Resources Information System	dB Decibels
CHSC California Health and Safety Code	dba A-weighted decibel
CLCA California Land Conservation Act of 1965	DC Direct current
CLWA Castaic Lake Water Agency	DDE Dichlorodiphenyldichloroethylene
CNDDDB California Natural Diversity Data Base	DDT Dichlorodiphenyltrichloroethane
CNEL Community Noise Equivalent Level	DG Distributed generation
CNPS California Native Plant Society	DHS California Department of Health Services

DOSH
Division of Occupational Safety and Health

DOT
Department of Transportation

DRR
District Ranger's Representative

DSM
Demand-side management

DTSC
Department of Toxic Substances Control

DWR
Department of Water Resources

EDD
State of California Employment Development
Department

EERI
Earthquake Engineering Research Institute

EHR
Erosion Hazard Rating

EHV
Electric high-voltage

EIR
Environmental Impact Report

EIS
Environmental Impact Study

EMF
Electric and Magnetic Fields

ELF
Extremely Low Frequency

EPA
U.S. Environmental Protection Agency

EPR
Ethylene propylene rubber (used for cable
insulation)

EPRI

Electric Power Research Institute

ESA
Environmental Site Assessment

FAA
Federal Aviation Administration

FCC
Federal Communication Commission

FEMA
Federal Emergency Management Agency

FERC
Federal Energy Regulatory Commission

FIRMS
Flood Insurance Rate Maps
FMMP
Farmland Mapping and Monitoring Program

Forest Service
United States Department of Agriculture Forest
Service

Fox Airfield
General William J. Fox Airfield

FPPA
Farmland Protection Policy Act

FPRP
Fire Prevention and Response Plan

FWS
United States Fish and Wildlife Service

g
gravity

GEP
Good Engineering Practice

GIS
Geographic Information System

GO
General Order (CPUC)

gpd

Gallons per day

gpm

Gallons per minute

gps

Gallons per second

GPS

Global Positioning System

HCP

Habitat Conservation Plan

HMMP

Hazardous Materials Management Plan

HPFF

High-Pressure Fluid-Filled

Hz

Hertz

I-5

Interstate Highway 5

IARC

International Agency for Research on Cancer

IEEE

Institute of Electrical and Electronics Engineers

IIPP

Injury and Illness Prevention Program

IPCEA

Insulated Power Cable Engineers Association

IPP

Independent Power Producers

kcMil

1,000 circular mills (unit of area)

KCPD

Kern County Planning Department

kHz

Kilohertz

KOP

Key Observation Point

kV

Kilovolt

kV/m

Kilovolts per meter

KVA

Key Viewing Area

kVA

Kilovolt amperes

kW

Kilowatt

LAA

Los Angeles Aqueduct

LACDPW

Los Angeles County Department of Public Works

LACFD

Los Angeles County Fire Department

LACSD

Los Angeles County Sheriff's Department

LADWP

Los Angeles Department of Water and Power

Ldn

Day-night level (of noise)

Leq

Equivalent level (of noise)

LESA

Land Evaluation and Site Assessment (for use with FPPA compliance)

LESD

Lancaster Elementary School District

Lmax

Maximum level (of noise)

LMP

Land Management Plan

LORS

Laws, Ordinances, Regulations, and Standards

LOS

Level of Service

LST

Lattice steel tower

M

Moment Magnitude

mA

Milliamperes (unit of electric current)

MCE

Maximum considered earthquake

MCL

Maximum containment level

MDAB

Mojave Desert Air Basin

MEER

Mechanical Electrical Equipment Room

mG

Milligauss (unit of magnetic field strength)

mg/L

Milligram per liter

MGD

Million gallons/per day

MMCRP

Mitigation, Monitoring, Compliance, and Reporting Program

MOS

Method of Service

MOU

Memorandum of Understanding

MP

Milepost

MSDS

Material Safety Data Sheet

msl

mean sea level

MW

Megawatt

MWD

Metropolitan Water District of Southern California

N₂

Nitrogen gas

NAAQS

National Ambient Air Quality Standards

NAHC

Native American Heritage Commission

NCIC

North Central Information Center

NEC

National Electric Code

NERC

North American Electric Reliability Council

NESC

National Electrical Safety Code

NHPA

National Historic Preservation Act

NIEHS

National Institute of Environmental Health Sciences

NOI

Notice of Intent

NOX

Nitrogen oxide

NPDES

National Pollutant Discharge Elimination System

NRC

U.S. Nuclear Regulatory Commission

NRCS

National Resources Conservation Service
(formerly Soil Conservation Service, [SCS])

NRHP

National Register of Historic Places

OES

Office of Emergency Services

OHL

Overhead line

OHP

Office of Historic Preservation

OHW

Ordinary High Water

OPGW

Optical Ground Wire

ORV

Off-road recreational vehicle

OSHA

Occupational Safety and Health Administration

Pb

Lead

PCT

Pacific Crest National Scenic Trail

PEA

Proponent's Environmental Assessment

PERP

Portable equipment registration program

PGA

Peak Ground Acceleration

PI

Point of Inflection

PM10

Particulate matter smaller than 10 microns

ppm

Parts per million

PPP

Polypropylene-paper, or high-quality kraft paper

Project

Antelope-Pardee 500-kV Transmission Project

proposed Project

Antelope Transmission Project, Segments 2 & 3

PSD

Prevention of Significant Deterioration

PSHA

Probabilistic Seismic Hazards Assessment

psi

Pounds per square inch

psig

Pounds per square inch gage

Qal

Quaternary alluvium

RAS

Remedial Action Scheme

RCRA

Resource Conservation and Recovery Act

RCTP

Renewable Conceptual Transmission Plan

RHNA

Regional Housing Needs Assessment

ROD

Record of Decision (NEPA)

ROW

Right-of-way

RPS

Renewable Portfolio Standard

RWQCB Regional Water Quality Control Board	State Historic Preservation Office
SAC Stranded Aluminum Conductor	SIO Scenic Integrity Objective
SBNF San Bernardino National Forest	SLR Single Lens Reflex
SCAB South Coast Air Basin	SMARA California Surface Mining Act of 1975
SCADA Supervisory Control and Data Acquisition	SO2 Sulfur dioxide
SCAG Southern California Association of Governments	SOW Scope of Work
SCAQMD South Coast Air Quality Management District	SPS Special Protection Scheme
SCE Southern California Edison	SR-14/126 State Route 14/126
SCFF Self-contained fluid-filled	SRA State Responsibility Areas
SCREMP Santa Clara River Enhancement and Management Plan	SWP State Water Project
SCS Soil Conservation Service (see NRCS)	SWPPP Storm Water Pollution Prevention Plan
SCT Santa Clarita Transit	SWRCB State Water Resources Control Board
SDLAC Sanitation Districts of Los Angeles County	T/L Transmission line
SERRF Southeast Resource Recovery Facility	TAC Toxic air containment
SF6 Sulfur hexafluoride insulating medium	TBD To be determined
SHMP Seismic Hazards Mapping Program	TCP Traffic Control Plan
SHPO	TCSG Tehachapi Collaborative Study Group
	TDS Total dissolved solids

TSP

Tubular steel pole

TVI

Television interference

UBC

Uniform Building Code

UCMP

University of California Museum of
Paleontology

UFC

Uniform Fire Code

UMC

Uniform Mechanical Code

UPC

Uniform Plumbing Code

USACE

Corps of Engineers, U.S. Army (see also **COE**
and **USACOE**)

USACOE

Corps of Engineers, U.S. Army (see also **COE**
and **USACE**)

USC

United States Code

USDA

United States Department of Agriculture

USDI

United States Department of the Interior

USDOT

United States Department of Transportation

USEPA

United States Environmental Protection Agency

USFWS

United States Fish and Wildlife Service

USGS

United States Geological Survey

UWCD

United Water Conservation District

V/m

Volt per meter

VAC

Volts AC (alternating current)

VAR

Volt-amperes reactive

VDC

Volts DC (direct current)

VM

Visual Modification (Class)

VOC

Volatile organic compounds

VQO

Visual Quality Objective

VRM

Visual resource management

WAN

Wide Area Network

WATCH

Work Area Traffic Control Handbook

WECC

Western Electricity Coordinating Council

WRCC

Western Regional Climate Center

WSCC

Western Systems Coordinating Council

XLPE

Solid Dielectric Cross-linked Polyethylene