

# DRAFT ENVIRONMENTAL IMPACT REPORT

## RIVERSIDE TRANSMISSION RELIABILITY PROJECT SCH #2007011113

Revised  
October 23, 2012

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    Biological Resources Technical Report

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## ACRONYMS AND ABBREVIATIONS

Acronym or Abbreviation	Definition
AC	Alternating current
ACHP	Advisory Council on Historic Preservation
ACSR	Aluminum conductor steel reinforced
ADOE	Archaeological Determinations of Eligibility
ADSS	All Dielectric Self Supporting
ALUC	Airport Land Use Commission
ALUCP	Airport Land Use Compatibility Plan
AN	Audible Noise
APCD	Air Pollution Control District
APLIC	Avian Power Line Interaction Committee
APPS	Architectural Preservation Planning Services
AQAP	Air Quality Attainment Plan
AQMD	Air Quality Management District
AQMP	Air Quality Management Plan
AST	Aboveground Storage Tank
BACM	Best Available Control Measure
BARA	Bureau of Applied Research in Anthropology
BLM	United States Department of the Interior, Bureau of Land Management
BMP	Best Management Practice
Business Plan Act	California Hazardous Materials Release Response Plan and Inventory Law of 1985
C	Circulation Element
C.U.R.B.	Clean Up Riverside's Environment
CAAQS	California Ambient Air Quality Standards
CAD	Computer-aided design
CAISO	California Independent System Operator
CAL FIRE	California Department of Forestry and Fire Protection
Cal/EPA	California Environmental Protection Agency
Cal/OSHA	California Occupational Safety and Health Administration
Caltrans	California Department of Transportation
CARB	California Air Resources Board
CBC	California Building Code
CCAA	California Clean Air Act
CCD	Census County Division
CCR	California Code of Regulations
CDFG	California Department of Fish and Game
CDP	Census Designated Place
CEC	California Energy Commission
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Act List
CESA	California Endangered Species Act
CFR	Code of Federal Regulations
CGIT	Compressed-gas insulated transmission lines

Acronym or Abbreviation	Definition
CH <sub>4</sub>	Methane
CHL	California Historic Landmarks
CHP	California Highway Patrol
CHRIS	California Historic Resources Information System
City	City of Riverside
CJUTCM	California Joint Utility Control Manual
CNDDB	California Natural Diversity Data Base
CNEL	Community Noise Equivalent Level
CO	Carbon monoxide
CO <sub>2</sub>	Carbon dioxide
CO <sub>2</sub> e	Carbon dioxide-equivalent emission rate
Cortese List	Department of Toxic Substances Control Hazardous Waste and Substances Site List
CPCN	Certificate of Public Convenience and Necessity
CPUC	California Public Utilities Commission
CRHR	California Register of Historical Resources
CSD	Community Service District
CUPA	Certified Unified Program Agency
CVC	California Vehicle Code
CWA	Clean Water Act
cy	Cubic yards
dB	Decibels
dB(A)	A-weighted sound pressure level
DC	Direct current
DEIR	Draft Environmental Impact Report
DEM	Digital elevation model
DG	Distributed generation
DOC	Department of Conservation
DSF	Delhi sands flower-loving fly
DTM	Digital terrain mapping
DTSC	Department of Toxic Substances Control
ECS	Edison Carrier Solutions
EIC	Eastern Information Center
EIR	Environmental Impact Report
EMF	Electric and magnetic fields
EMWD	Eastern Municipal Water District
EPA	Environmental Protection Agency
FAA	Federal Aviation Administration
FCAA	Federal Clean Air Act
FCC	Federal Communications Commission
FEIR	Final Environmental Impact Report
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FESA	Federal Endangered Species Act
FMMP	Farmland Mapping and Monitoring Program
FSC	Federal Special Concern
FSZ	Farmland Security Zone
ft <sup>3</sup>	Cubic feet

Acronym or Abbreviation	Definition
GHG	Greenhouse gas
GIS	Geographic information system
GO	General Order
GPS	Global positioning system
HANS	Habitat Evaluation and Acquisition Negotiations Strategy
HCP	Habitat Conservation Plan
HDD	Horizontal direct drill
HDP	Historic Property Data File
HFC	Hydrofluorocarbons
HFE	Hydrofluorinated ethers
HMBP	Hazardous Materials Business Plan
HMMD	Hazardous Materials Management Division
HPFF	High-pressure fluid-filled
HWCL	Hazardous Waste Control Law
I-15	Interstate 15
IBC	International Building Code
IEEE	Institute of Electrical and Electronic Engineers
IS	Initial Study
ISO	International Organization for Standardization
JARPD	Jurupa Area Recreation and Park District
JCSD	Jurupa Community Services District
JUSD	Jurupa Unified School District
kcmil	Circular mils
KCmil	Thousand circular mil
kHz	Kilohertz
KOP	Key observation point
kV	Kilovolt
LAFCO	Local Agency Formation Commission
LAPM	Los Angeles pocket mouse
LAWA	Los Angeles World Airports
LCT	Landscape Character Types
$L_{dn}$	Day-Night Noise Level
$L_{eq}$	Equivalent Energy Level
LOS	Level of Service
LST	Lattice Steel Tower
LST	Localized significance threshold
LU	Land Use element
LUST	Leaking Underground Storage Tank
LWCF	Land and Water Conservation Fund
MARB/MIP	March Air Reserve Base/March Inland Port
MASP	Magnolia Avenue Specific Plan
MEER	Mechanical and Electrical Equipment Room
MBTA	Migratory Bird Treaty Act
MHz	Megahertz
MMT	Million metric tons
MRZ	Mineral Resources Zones
MSDS	Materials safety data sheet

Acronym or Abbreviation	Definition
MSHCP	Multi-Species Habitat Conservation Plan
MSL	Mean sea level
MSW	Municipal solid waste
MVA	Megavolt-ampere
MW	Megawatts
MWD	Metropolitan Water District
N <sub>2</sub>	Nitrogen
N <sub>2</sub> O	Nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Coalition
NCCP	Natural Communities Conservation Plan
NEPA	National Environmental Policy Act
NF <sub>3</sub>	Nitrogen trifluoride
NFRAP	No Further Remedial Action Plan
NHPA	National Historic Preservation Act
NO <sub>2</sub>	Nitrogen dioxide
NOD	Notice of Determination
NOP	Notice of Preparation
NOT	Notice of Termination
NO <sub>x</sub>	Nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NPS	National Park Service
NPS	Non-point source
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NWI	National Wetland Inventory
O&M	Operation and maintenance
O <sub>3</sub>	Ozone
OES	Office of Emergency Services
OHGW	Over Head Ground Wire
OHP	Office of Historic Preservation
OHWM	Ordinary High Water Mark
OPGW	Optical Ground Wire
OPR	Office of Planning and Research
OS	Open Space Element
OSHA	Occupational Safety and Health Administration
Pb	Lead
PEM	Palustrine emergent
PFC	Perfluorocarbons
PFO	Palustrine forested
pH	Measure of the acidity or basicity of a solution
PM <sub>10</sub>	Particulate matter less than 10 microns
PM <sub>2.5</sub>	Particulate matter less than 2.5 microns
POL	Petroleum, oil, and lubricant
POW	Palustrine open water
POWER	POWER Engineers, Inc.

Acronym or Abbreviation	Definition
PPE	Personal Protective Equipment
PSS	Palustrine scrub-shrub
R2	Lower perennial riverine
R4	Intermittent riverine
RCA	Regional Conservation Authority
RCALUC	Riverside County Airport Land Use Commission
RCFD	Riverside County Fire Department
RCIP	Riverside County Integrated Project
RCRA	Resource Conservation and Recovery Act
RCSD	Riverside County Sheriff's Department
RCTC	Riverside County Transportation Commission
RCWMD	Riverside County Waste Management Department
RERC	Riverside Energy Resource Center
RI	Radio Interference
RN	Radio Noise
ROW	Right-of-way
RPD	Riverside Police Department
RPU	Riverside Public Utilities
RTA	Riverside Transportation Authority
RTP	Regional Transportation Plan
RTRP	Riverside Transmission Reliability Project
RWQCB	Regional Water Quality Control Board
SART	Santa Ana River Trail
SAS	Substation Automation System
SB 18	California Senate Bill 18 of 2005
SBAIC	San Bernardino Archaeological Information Center
SBKR	San Bernardino kangaroo rat
SCAB	South Coast Air Basin
SCADA	Supervisory Control and Data Acquisition
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
SCFF	Self-contained fluid-filled
SCHWMA	Southern California Hazardous Waste Management Authority
SCORP	Statewide Comprehensive Outdoor Recreation Plan
SF <sub>6</sub>	Sulfur hexafluoride
SHPO	State Historic Preservation Office
SIP	State Implementation Plan
SO <sub>2</sub>	Sulfur dioxide
SOI	Sphere of Influence
SONET	Synchronous Optical Network
SPCC	Spill Prevention, Control, and Countermeasure
SPR	Southern Pacific Railroad
Springs	Springs Generating Project
SR	State Route
SR-60	State Route 60
SR-91	State Route 91
SRA	Source receptor area

Acronym or Abbreviation	Definition
SRRE	Source Reduction and Recycling Element
SSVT	Station Service Voltage Transformer
STIP	State Transportation Improvement Plan
STP	Subtransmission Project
SWL	Solid Waste Landfill
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
T&D	Transmission and distribution
TAC	Technical Advisory Committee
TCP	Traditional cultural properties
TCP	Traffic Control Plan
TERPS	Terminal Instrument Procedures
TIP	Transportation Improvement Plan
TIS	TrackInfo Services, LLC.
TMDL	Total maximum daily load
TO	Transmission Owner
TSCA	Toxic Substance Control Act
TSP	Tubular Steel Pole
TVI	Television Interference
UCR	University of California, Riverside
UHF	Ultra high frequency
Unified Program	Unified Hazardous Waste and Hazardous Materials Management Regulatory Program
UPRR	Union Pacific Railroad
USACE	United States Army Corps of Engineers
USDA	United States Department of Agriculture
USDI	United States Department of the Interior
USDOT	United States Department of Transportation
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	Underground Storage Tank
VCP	Voluntary Cleanup Program
VOC	Volatile organic compound
VRM	Visual Resource Management system
WEAP	Worker Environmental Awareness Program
WMA	Watershed Management Area
WMWD	Western Municipal Water District
WQCP	Water Quality Control Plant
WRMSHCP	Western Riverside Multi-Species Habitat Conservation Plan
XLPE	Cross-linked polyethylene