

~~DRAFT~~ FINAL
ENVIRONMENTAL IMPACT REPORT

SDG&E South Bay Substation Relocation Project

SCH No. 2011071031

VOLUME 1 of 2

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LIST OF ACRONYMS AND ABBREVIATIONS

Ω	ohm
μg/m ³	micrograms per cubic meter
AAQS	ambient air quality standards
AB	Assembly Bill
ACHP	Advisory Council on Historic Preservation
ACOE	U.S. Army Corps of Engineers
ADRP	archaeological data recovery program
ADT	average daily traffic
AGL	above ground level
ALJ	Administrative Law Judge
amsl	above mean sea level
APCD	air pollution control district
APM	applicant proposed measure
AQMD	air quality management district
AST	aboveground storage tank
bcf	billion cubic feet
BMP	best management practice
BNSF	Burlington Northern Santa Fe Railroad
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CAFE	Corporate Average Fuel Economy
CAISO	California Independent System Operator
CalEPA	California Environmental Protection Agency
CAL FIRE	California Department of Forestry and Fire Protection
Cal/OSHA	California Occupational Safety and Health Administration
Caltrans	California Department of Transportation
CAO	Cleanup and Abatement Order
CARB	California Air Resources Board
CAS	Climate Adaptation Strategy
CASQA	California Stormwater Quality Association
CBC	California Building Code
CCA	California Coastal Act
CCAR	California Climate Action Registry
CCC	California Coastal Commission
CCP	Comprehensive Conservation Plan
CCR	California Code of Regulations
CDFG/ <u>CDFW</u>	<u>California Department of Fish and Game/California Department of Fish and Wildlife (note that the CDFG changed their name to CDFW in January 2013, after publication of the Draft EIR—these terms are synonymous)</u>
CDMG	California Division of Mines and Geology
CDP	coastal development permit
CEC	California Energy Commission
CEQA	California Environmental Quality Act

LIST OF ACRONYMS AND ABBREVIATIONS (Continued)

CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CESA	California Endangered Species Act
CFR	Code of Federal Regulations
CH ₄	methane
CHMIRS	California Hazardous Material Incident Report System
CIP	capital improvement program
CNEL	Community Noise Equivalent Level
CNDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CO	carbon monoxide
CO ₂	carbon dioxide
CO ₂ E	carbon dioxide equivalent
CPT	cone penetration testing
CPUC	California Public Utilities Commission
CRHR	California Register of Historical Resources
CRT	cathode-ray tube (monitor)
CSLC	California State Lands Commission
CSWRB	California State Water Resources Board
CUPA	Certified Unified Program Agency
CVBMP	Chula Vista Bayfront Master Plan
CVESD	Chula Vista Elementary School District
CVFD	Chula Vista Fire Department
CVPD	Chula Vista Police Department
CWA	Clean Water Act
CY	cubic yard
dB	decibel
dB(A)	A-weighted decibel (adjusted for human frequencies)
db(A)	A-weighted decibel
DEH	Department of Environmental Health
DOT	U.S. Department of Transportation
EDR	Environmental Data Resources Inc.
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
EMF	electric and magnetic field
EOA	Environmental Oversight Agreement
EPA	U.S. Environmental Protection Agency
ESA	Endangered Species Act
ESA	environmental site assessment
ESHA	Environmentally Sensitive Habitat Area
FAA	Federal Aviation Administration
FHWA	Federal Highway Administration
FMMP	Farmland Mapping and Monitoring Program
FSZ	Farmland Security Zone

LIST OF ACRONYMS AND ABBREVIATIONS (Continued)

GCB	gas circuit breaker
GHG	greenhouse gas
GHz	gigahertz
GIS	geographical information system <u>Gas Insulated Substation</u>
GO	general order
GPS	Global Positioning System
GWP	global warming potential
H ₂ O	water vapor
H ₂ S	hydrogen sulfide
HAP	hazardous air pollutant
HAZWOPER	Hazardous Waste Operations and Emergency Response
HCP	habitat conservation plan
HDD	horizontal directional drilling
HFC	hydrofluorocarbon
HHC	highly hazardous chemical
HMBP	hazardous materials business plan
HMMD	Hazardous Materials Management Division
HWCL	Hazardous Waste Control Law
Hz	hertz
IEEE	Institute of Electrical and Electronics Engineers
IS/MND	Initial Study/Mitigated Negative Declaration
JURMP	Jurisdictional Urban Runoff Management Program
kV	kilovolt
kV/m	kilovolt per meter
KOP	key observation point
kW	kilowatt
KHz	kilohertz
LCFS	Low Carbon Fuel Standard
LCP	Local Coastal Program
LNG	liquefied natural gas
LOS	level of service
LRA	Local Responsibility Area
LUST	leaking underground storage tank
MBTA	Migratory Bird Treaty Act
mG	milligauss
MHCP	Multiple Habitat Conservation Program
MMBTU	million British thermal units
MMCRP	mitigation monitoring, compliance, and reporting program
MMRP	mitigation monitoring and reporting plan
MMscfd	million standard cubic feet per day
MMTCO ₂ E	million metric tons of carbon dioxide equivalent
MOU	memorandum of understanding
mpg	miles per gallon
MRZ	Mineral Resource Zone

LIST OF ACRONYMS AND ABBREVIATIONS (Continued)

MSCP	Multiple Species Conservation Program
msl	mean sea level
MTDB	Metropolitan Transit Development Board
mtpy	metric ton per year
MTS	Metropolitan Transit System
MVA	megavolt ampere
MVAR	megavolt ampere reactive
MW	megawatt
N ₂ O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAC	noise abatement criteria
NAHC	National American Heritage Commission
NCCP	Natural Community Conservation Plan
NCTD	North County Transit District
NEPA	National Environmental Policy Act
NERC	North American Electricity Reliability Corporation
NF ₃	nitrogen trifluoride
NHPA	National Historic Preservation Act
NHTSA	National Highway Traffic Safety Administration
NO	nitric oxide
NO ₂	nitrogen dioxide
NO _x	oxides of nitrogen
NOAA	National Oceanic and Atmospheric Administration
NOI	Notice of Intent
NOLF	Naval Outlying Landing Field
NOP	Notice of Preparation
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historic Places
NWR	National Wildlife Refuge
O ₃	ozone
OMEC	Otay Mesa Energy Center
OMPL	Otay Metro Power Loop
OPR	Office of Planning and Research
OSHA	Occupational Safety and Health Administration
PEA	preliminary environmental assessment
PEA	Proponent's Environmental Assessment
PFC	perfluorocarbon
PFC	perfluorocarbon
PM	particulate matter
PM _{2.5}	particulate matter less than 2.5 microns
PM ₁₀	particulate matter less than 10 microns
PMP	Port Master Plan
Port District	San Diego Unified Port District
ppm	parts per million

LIST OF ACRONYMS AND ABBREVIATIONS (Continued)

PRC	Public Resources Code
PTC	Permit to Construct
PVC	polyvinylchloride
RCP	Regional Comprehensive Plan
RCRA	Resource Conservation and Recovery Act
RCRA-SQG	Resource Conservation and Recovery Act–Small Quantity Generators
REC	recognized environmental condition
RMR	Reliability Must Run
ROG	reactive organic gas
ROW	right-of-way
RV	recreational vehicle
RWQCB	Regional Water Quality Control Board
SANDAG	San Diego Association of Governments
SAP	Subarea Plan
SARA	Superfund Amendments and Reauthorization Act
SB	Senate Bill
SBPP	South Bay Power Plant
SCAQMD	South Coast Air Quality Management District
SCIC	South Coastal Information Center
SD&AE	San Diego and Arizona Eastern (railway)
SDAB	San Diego Air Basin
SDAPCD	San Diego Air Pollution Control District
SDBNWR	San Diego Bay National Wildlife Refuge
SDCRAA	San Diego County Regional Airport Authority
SDG&E	San Diego Gas & Electric Company
SDIV	San Diego & Imperial Valley Railroad
SDSU	San Diego State University
SDTI	San Diego Trolley Inc.
SDWA	Safe Drinking Water Act
SF ₆	sulfur hexafluoride
SHPO	State Historic Preservation Office
SHRC	State Historical Resources Commission
SL&P	Station Light and Power
SMARA	Surface Mining and Reclamation Act
SO ₂	sulfur dioxide
SPCC	Spill Prevention Control and Countermeasures
SUHSD	Sweetwater Union High School District
SUSMP	Standard Urban Stormwater Mitigation Plan
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminant
TCE	trichloroethylene
TCP	traffic control plan

LIST OF ACRONYMS AND ABBREVIATIONS (Continued)

TDM	Transportation Demand Management
TDML	total maximum daily loads
TDS	total dissolved solid
TMP	traffic management plan
TPZ	timberland production zone
UBC	Uniform Building Code
UNFCCC	United Nations Framework Convention on Climate Change
URMP	Urban Runoff Management Plan
USDA	U.S. Department of Agriculture
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UST	underground storage tank
V/C	vehicle-to-congestion (ratio)
VCA	Voluntary Cleanup Agreement
VOC	volatile organic compound
WAG	Wildlife Advisory Group
WECC	Western Electricity Coordinating Council
WURMP	Watershed Urban Runoff Management Program